

THE UNIFORM SOYBEAN TESTS

NORTHERN REGION

1995

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ACKNOWLEDGEMENTS

The cooperation of Donna I. Thomas, NC, ACS New Crops Research Unit, National Center for Agricultural Utilization Research, Peoria, Illinois, in analyses of Uniform Test samples for protein and oil content of the seeds is gratefully acknowledged. The assistance of Wad Crochet, Gary Nowling, and Jerry Powell in packeting and distributing seed for the Uniform Tests and in data summarization is sincerely appreciated.



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INTRODUCTION

The purpose of the Uniform Soybean Tests is to critically evaluate the best of the experimental soybean lines developed by federal and state research personnel in the U.S. and Canada, for their potential release as new varieties.

A test is established for each of ten maturity groups. Uniform Test 00 includes maturity Group 00 strains for the northern fringe of the present area of soybean production. Uniform Tests 0 through IV include later strains adapted to locations progressively further south in the North Central States and areas of similar latitude. Each year new selections are added and others that have been sufficiently tested are dropped. The summary of performance of strains in Uniform Tests 00 through IV in the northern region is included in this report. The report on Uniform Tests IVS through VIII in the southern states is issued separately.

Data from the Uniform Soybean Tests form the basis for decisions on the regional release of soybean varieties. Preliminary Tests are grown at a limited number of locations throughout the region to evaluate the experimental strains for one year before they are entered in the Uniform Tests. Uniform Tests are grown at a larger number of locations with more replications than Preliminary Tests.

The Uniform Soybean Test Report is a progress report containing statements which may or may not be verified by subsequent experiments. Statements or data in the report, therefore, should not be published unless permission has been obtained previously by those concerned.

The USDA-Agricultural Research Service does not vouch for the authenticity of either the parentage or ancestry of entries in the Uniform Soybean Tests. This agency is not responsible for the accuracy of data submitted to and included in the Uniform Soybean Test Report.

POLICY ON EVALUATION AND RELEASE OF STRAINS

Qualifications for inclusion in the Uniform Tests.

- 1) Experimental lines entered in the Uniform Tests (including Preliminary Tests) must be free of restrictions on their potential release as varieties or their use as parents in biparental crosses or as parents in recurrent selection programs.
- 2) It is recommended that breeders obtain written permission for the use of privately developed varieties or strains that are used as parents in the development of lines included in the Uniform Tests.

Use of Uniform Test entries in soybean breeding and research.

- 1) Seed of Uniform Test entries is for evaluation in the Uniform Tests only and may not be distributed to non-participants in these tests without the approval of the originator of the entry.
- 2) Entries in the Uniform Test may be used by Uniform Test participants as parents only in biparental crosses or in developing recurrent selection populations.
- 3) The originator of a Uniform Test entry must be contacted prior to the use of any entry as a recurrent parent in backcrossing, in any breeding or genetic studies, or for any other research.
- 4) Experimental strains entered in the Uniform Tests should be labelled "Experimental Strain" and should not be identified by strain designation when grown in demonstration plots or when the Uniform Tests are shown on field days or farm tours.

Release of Uniform Test entries.

- 1) Entries in the Uniform Test are released according to USDA-Agricultural Research Service and State Agricultural Experiment Station or Canadian government policies.
- 2) Any state or province participating in the Uniform Test is offered the opportunity to participate in the release of any Uniform Test entry proposed for release.
- 3) Entries may be released on a restricted basis or on a contractual basis only after Uniform Test participants have been offered the opportunity to participate in the release of the entry.
- 4) Restricted or contractual releases cannot impose any restrictions on the prior use of an entry as a parent by Uniform Test participants.

STRAIN DESIGNATION

Experimental (i.e., unreleased) strains are identified by a number with a state or province code letter prefix. The code letters have been agreed upon in meetings of experimental station agronomists cooperating with the U.S. Department of Agriculture.

| | |
|------|--|
| A | Iowa A.E.S. |
| Ar | Arizona A.E.S. |
| Au | Alabama A.E.S. |
| B | California |
| C | Purdue (Indiana) A.R.P. |
| CM | Canada Dept. of Agriculture, Morden, Manitoba |
| D | Mississippi A.E.S. |
| E | Michigan A.E.S. |
| F | Florida A.E.S. |
| FC | Forage and Range Research Branch, U.S.D.A. |
| Ga | Georgia A.E.S. |
| H | Ohio A.R.D.C. (HC - R. L. Cooper, HF -R. Fioritto, HS - S. K. St. Martin) |
| K | Kansas A.E.S. |
| Ky | Kentucky A.E.S. |
| L | Illinois A.E.S. (LN - C. D. Nickell) |
| La | Louisiana A.E.S. |
| LS | Southern Illinois University |
| M | Minnesota A.E.S. |
| Md | Maryland A.E.S. |
| Me | Maine A.E.S. |
| N | North Carolina A.E.S. |
| ND | North Dakota A.E.S. |
| OAC | University of Guelph, Guelph, Ontario |
| Ok | Oklahoma A.E.S. |
| ORC | Ridgetown College, Ontario |
| OT | Central Experimental Farm, Ottawa, Ontario |
| OX | Research Station, Harrow, Ontario |
| PI | Plant Inventory |
| R | Arkansas A.E.S. |
| S | Missouri A.E.S. (SO - P. Owen) |
| SC | South Carolina A.E.S. |
| SD | South Dakota A.E.S. |
| Ts | Texas A.E.S. |
| T | Soybean Genetic Type Collection, U.S.D.A., Urbana, IL |
| U | Nebraska A.E.S. |
| UD | Delaware A.E.S. |
| UM | University of Manitoba, Winnipeg, Manitoba |
| UT | Tennessee A.E.S. |
| V | Virginia A.E.S. |
| W | Wisconsin A.E.S. |
| X(Y) | Two or more states cooperatively, e.g. A(E) Iowa & Michigan |

METHODS

Uniform Tests are planted in multiple-row plots with three or four replications and the center rows are harvested for yield and seed quality determinations. Preliminary Tests are multiple-row plots with two replications. Usually 15 to 20 feet of row are planted and 12 to 16 feet harvested, to eliminate end-of-row effects. At the Soybean Workers Conference in Memphis, Tennessee, on February 24 and 25, 1976, the Northern Breeders discussed and made the following recommendation: Only data from bordered row plots will be included in the regional means. Yield means will not be included in regional means if they do not have a CV value. Discretion will be used when including values that have a high CV. If the CV value is high (greater than 15), participants should include the reason, such as disease or environmental conditions. Lines will be allowed to be heterogeneous the first year in the Uniform Soybean Tests but must be a pure line the second year of testing. It is the responsibility of the breeder to clean up heterogeneous lines. If the breeder plans on purifying the line, please so indicate, and the line will be marked so that when test participants vote on it for further testing they will know it will be purified.

Generation Compositd is the generation after the final single-plant selection in which the line is composited.

Previous Testing. The number of previous years in the same Uniform Test is given, or, in the case of new entries, a reference to last year's test, abbreviated UT 0 for Uniform Test 0, PT III for Preliminary Test III, etc.

Yield is measured after the seeds have been dried to a uniform moisture content and is recorded in bushels (60 pounds) per acre (to convert to kilograms/hectare multiply by 67.25).

Maturity is the date when 95% of the pods have ripened. Delayed leaf drop and green stems are not considered in assigning maturity. Maturity is expressed as days earlier (-) or later (+) than the average date of the reference variety. To aid in maturity group classification, one earlier (E) and one later (L) check variety are given on the maturity table for each test, or a maturity check from an earlier or later maturity group is included. Current reference and check varieties and the maturity group limits relative to the reference varieties are:

| <u>Group</u> | <u>Reference</u> | <u>Range</u> | <u>Early Check</u> | <u>Late Check</u> |
|--------------|------------------|--------------|--------------------|-------------------|
| 00 | McCall | -7 to +5 | | Agassiz (0) |
| 0 | Lambert | -6 to +2 | Agassiz (E) | Parker (I) |
| I | Parker | -4 to +4 | Lambert (0) | Marcus 95 (L) |
| II | IA2021 | -3 to +5 | Marcus 95 (I) | IA2007R (L) |
| III | Iroquois | -4 to +4 | IA2007R (II) | Flyer (IV) |
| IV | Stressland | -4 to +7 | Flyer (E) | KS4694 (L) |

These maturity group ranges are based on long-time means over many locations. When using data from other environments, the interval between reference varieties may vary, and the division between maturity groups should be estimated in proportion to the above figures. Additional check entries may be included in specific tests such as Archer (BSR) for incidence of brown stem rot or Charleston (dt1) as a determinate check.

Lodging is rated at maturity according to the following scores:

- 1 Almost all plants erect.
- 2 All plants leaning slightly or a few plants down.
- 3 All plants leaning moderately (45°), or 25% to 50% of the plants down.
- 4 All plants leaning considerably, or 50% to 80% of the plants down.
- 5 Almost all plants down.

Height is the average length in inches of mature plants from the ground to the tip of the main stem. (To convert to centimeters, multiply by 2.54).

Seed Quality is rated according to the following scores considering the amount and degree of wrinkling, defective seed coat (growth cracks), greenishness, and moldy or rotten seeds. Threshing or handling damage is not considered, nor is mottling or other pigment.

1 Very Good 2 Good 3 Fair 4 Poor 5 Very Poor

Seed Size (i.e., weight per seed) in grams per 100 based on a 100- or 200-seed sample. (To convert to seeds per pound, divide this into 45,359.2).

Seed Composition is measured on samples submitted to the National Center for Agricultural Utilization Research, Peoria, Illinois. A 25-gram sample of clean seed is prepared by taking an equal volume or weight of seed from each replication. Protein and oil percentages are measured using near infrared transmittance, and reported on a moisture-free basis.

Descriptive Code: 1 2 3 4 5 6, abbreviated as underlined below:

- 1 = Flower Color: Purple, White
- 2 = Pubescence Color: Tawny, Gray, Light tawny
- 3 = Pod Color: Brown, Tan
- 4 = Seed Coat Luster: Dull, Shiny, Intermediate
- 5 = Seed Coat Color: Yellow, Gray, Light gray, Green
- 6 = Hilum Color: Black, Imperfect black, Brown, Buff, Gray, Tan, Yellow; prefixes indicate Light or Dark shades, e.g., Lbf = light buff, Dib = dark imperfect black. H indicates heterogeneous for hilum color.
- 7 = Stem termination: Determinate, Indeterminate, Semi-Determinate

Shattering is scored at a specified time after maturity and is based on estimates of the percent of open pods as follows:

- 1 No shattering
- 2 1% to 10% shattered
- 3 10% to 25% shattered
- 4 25% to 50% shattered
- 5 Over 50% shattered

Iron Chlorosis is rated from 1, no chlorosis, to 5, severe chlorosis.

Emergence Score is related to hypocotyl elongation and is measured at Ames, Iowa by germination at 25°C (a critical temperature for differentiating strains). Four replications of 25 seeds/entry are planted in a 5-inch plastic pot, at a 4 1/2 - inch depth in sand. Only the seedlings which have emerged by 12 days after planting are counted. Emergence score in relation to % of seeds which germinate and emerge are as follows:

- 1 ≥ 95%
- 2 = 91 - 95%
- 3 = 85 - 90%
- 4 = 76 - 84%
- 5 < 76

DISEASE

Disease reactions are listed according to "Soybean Disease Survey Standards", March 1960, unless otherwise specified. Disease reaction is scored from 1 (no disease) to 5 (very severe), or in some cases as percent infected or simply as + (present) or 0 (absent). Purple seed stain and seed mottling follow the disease severity class rating:

| Disease severity class rating | 1 | 2 | 3 | 4 | 5 |
|-----------------------------------|---|------|------|-------|---------|
| Number of diseased seed in sample | 0 | 1-3% | 4-8% | 9-19% | 20-100% |

An additional classification to describe the extent of seedcoat mottling as M (mild), E (extensive), or S (severe), is included. Pod and stem blight is rated as percent of infected seed on a four-week delayed ("d") harvest sample. The location where the test was made is identified in the column heading, and the letter "a" or "n" signifies artificial or natural infection. Clearcut and consistent reactions are given by letter instead of number: R = resistant, S = susceptible, I = intermediate, and H = heterogeneous. Natural infection ratings are from agronomic tests in some instances and from special disease planting in others. Absence of symptoms under natural infection does not necessarily mean high resistance.

| <u>Abbreviation</u> | <u>Disease</u> | <u>Pathogen</u> |
|-----------------------------------|-----------------------|---|
| BB | Bacterial blight | <u>Pseudomonas syringa</u> pv. <u>glycinea</u> |
| BBV | Bud blight | Tobacco ringspot virus |
| BP | Bacterial pustule | <u>Xanthomonas campestris</u> pv. <u>phaseoli</u> |
| BS | Brown spot | <u>Septoria glycines</u> |
| BSR | Brown stem rot | <u>Phialophora gregata</u> |
| BTS | Bacterial tan spot | <u>Corynebacterium</u> <u>flaccumfaciens</u> |
| CN | Cyst nematode | <u>Heterodera glycines</u> |
| CR | Charcoal rot | <u>Macrophomina phaseolina</u> |
| DM | Downy mildew | <u>Peronospora manshurica</u> |
| FE ₁ , FE ₂ | Frogeye, race 1, 2 | <u>Cercospora sojae</u> |
| PM | Powdery mildew | <u>Microsphaera diffusa</u> |
| PR | Phytophthora rot | <u>Phytophthora sojae</u> |
| PS | Purple stain | <u>Cercospora kikuchii</u> |
| PSB | Pod & stem blight | <u>Diaporthe phaseolorum</u> var. <u>sojae</u> |
| Pyd | Pythium root rot | <u>Pythium debaryanum</u> |
| Pyu | Pythium root rot | <u>Pythium ultimum</u> |
| RK | Root knot nematode | <u>Meloidogyne</u> spp. |
| RP | Rhizoctonia root rot | <u>Rhizoctonia solani</u> |
| SB | Sclerotial blight | <u>Sclerotium rolfsii</u> |
| SC | Stem canker | <u>Diaporthe phaseolorum</u> var. <u>caulivora</u> |
| SDS | Sudden Death Syndrome | <u>Fusarium solani</u> |
| SMV | Soybean mosaic | <u>Soja virus 1</u> |
| TS | Target spot | <u>Corynespora cassiicola</u> |
| WF | Wildfire | <u>Pseudomonas syringae</u> pv. <u>tabaci</u> |
| YMV | Yellow mosaic | <u>Phaseolus virus 2</u> |

Ratings for BB, BP, DM, FE₂, and PM are based on leaf symptoms; those for BSR on percent of plants with stem browning, or percent of stem length browned.

Tolerance rating categories for Phytophthora are as follows:

- 1 = No root rot, very vigorous.
- 2 = No root rot, better than average vigor.
- 3 = No root rot, average vigor.
- 4 = No root rot, slight stunting.
- 5 = Up to 10% dead plants, slight stunting.
- 6 = Up to 20% dead plants, moderate stunting.
- 7 = Up to 50% dead plants, moderate to severe stunting.
- 8 = More than 50% dead plants, severe stunting.
- 9 = All plants died before flowering.
- 10 = Plants did not emerge or died soon after emergence.

The percent purple stain and Phomopsis seed infection is based on a 100-seed sample placed on potato-dextrose agar in petri plates.

The percent green seed is based on a 100-seed sample and is the number of seed with a green or partially green seedcoat.

Abbreviations used in sudden death syndrome (SDS) ratings are as follows:

- R6Date - Days from planting to R6.2 growth stage
- R6DI - SDS Disease Incidence (% of plants with visible symptoms)
- R6DS - SDS Disease Severity (1=mild chlorosis, 5=severe leaf scorch,
9=premature death of the plant)
- R6DX - SDS Disease index (R6DI x R6DS/9)

SENCOR TOLERANCE
TABLE I

| ABOVE NORMAL TOLERANCE | NORMAL TOLERANCE | NORMAL TOLERANCE | NORMAL TOLERANCE | SENSITIVE |
|---------------------------|---------------------|---------------------|---------------------|--------------|
| BELL | ND(M)91-564 | A93-552019 | M91-1195 | A92-625002 |
| ARCHER | M91-1644 | M90-1279 | M91-189 | SD(M)91-1763 |
| SD93-587 | ND(M)90-794 | LN89-3264 | SD(M)92-1179 | A93-554040 |
| ND90-2624 | ND91-2523 | ND(M)90-766 | M91-201 | ND(M)91-105 |
| ND(M)90-599 | A92-526007 | AGASSIZ | M90-1573 | A92-627030 |
| ND(M)91-1354 | SD93-719 | A93-554045 | M90-2144 | ND91-2317 |
| SD(M)92-1272 | A92-525014 | M91-2104 | ND91-2735 | |
| ND(M)90-547 | M91-759 | ND91-2721 | M91-1068 | |
| M91-1099 | SD(M)92-1323 | ND(M)90-722 | ND(M)90-370 | |
| ND(M)91-1037 | ND91-2673 | ND(M)90-776 | ND(M)90-461 | |
| LAMBERT | M91-833 | E93001 | McCALL | |
| A93-555031 | M91-560 | ND(M)90-705 | M91-94 | |
| M91-1416 | M91-745 | IA2007R | A93-552024 | |
| A91-607052 | MARCUS 95 | SD93-1020 | E91031 | |
| ND91-2720 | PARKER | A93-552028 | ND(M)89-111 | |
| HF91-070 | M91-281 | M91-95 | M91-802 | |
| ND91-3019 | ND91-2714 | M91-846 | SD(M)92-1357 | |
| M91-301 | M89-1665 | M91-557 | ND91-2330 | |
| ND(M)91-895 | ND(M)90-754 | M89-936 | M91-821 | |
| SD(M)91-1574 | M91-824 | M91-1135 | MAPLE RIDGE | |
| SD(M)93-907 | ND91-2713 | M91-228 | A93-555027 | |
| M91-297 | M91-278 | M90-1712 | SD(M)93-256 | |
| HF91-078 | | ND(M)89-556 | A93-554027 | |
| ND(M)90-706 | | M90-1022 | A93-554041 | |
| SD(M)92-1233 | | SD(M)93-954 | M90-916 | |
| ND(M)91-997 | | | ORC 9310 | |
| | | | ND91-2327 | |
| | | | A93-554053 | |
| | | | A93-552034 | |
| | | | ND(M)90-1105 | |

The cultivars listed towards the top of the normal category expressed higher levels of tolerance to metribuzin than those listed towards the bottom.

SENCOR TOLERANCE
TABLE II

| ABOVE NORMAL TOLERANCE | NORMAL TOLERANCE | NORMAL TOLERANCE | SENSITIVE |
|---------------------------|---------------------|---------------------|------------|
| JACK | LN89-334 | HF92-080 | LN90-4129 |
| HS92-2684 | A93-754022 | LS92-1800 | A93-754028 |
| KS4694 | HC89-2436 | LN90-3364 | C1894 |
| LN91-1733 | ORC 9308 | LN90-4187 | |
| LN89-295 | DELSOY 4210 | K1288 | |
| U93-3228 | HC86-130 | HF92-178 | |
| LN89-3619 | U93-3122 | A92-726034 | |
| A92-726004 | RIPLEY | K1287 | |
| HC89-1389 | SS91-7138 | U93-2412 | |
| FLYER | U92-3604 | A93-632026 | |
| CHARLESTON | HC90-196 | HF92-083 | |
| IA2007R | SD(M)92-1174 | HF92-078 | |
| Ky90-1208 | HS91-4523 | U93-3116 | |
| U92-2426 | HC89-2232 | U93-3716 | |
| | Ky91-1857 | HC89-2165 | |
| | Ky90-2713 | Ky91-0402 | |
| | THORNE | SL90-4113 | |
| | HS92-2683 | | |
| | C1875 | | |
| | LN88-10534 | | |
| | LN91-5895 | | |
| | U93-2737 | | |
| | STRESSLAND | | |

The cultivars listed towards the top of the normal category expressed higher levels of tolerance to metribuzin than those listed towards the bottom.

PROCEDURE FOR TESTING AND RELEASE OF STRAINS

This policy on testing and release of soybean strains evaluated in the Uniform Soybean Tests, Northern Region, has been agreed upon by public soybean breeders. The policy was developed to assist breeders in preparing schedules for seed increases and to assist individuals and committees responsible for approving releases. The policy will aid private breeders in the U.S. and in foreign countries to understand how releases will be made that may affect their programs.

Development and release of soybean strains is carried out by many public institutions. The programs at these institutions operate independently until strains are available for advanced testing in the Uniform Soybean Tests. The Uniform Soybean Tests are coordinated by the Agricultural Research Service, U.S. Department of Agriculture. The tests are divided into those in the Northern Region, for strains in maturity groups 00 to IV, and those in the Southern Region, for strains in maturity groups V to VIII. Group IV maturity strains are divided into a IV N test for the northern region and a IV S test for the southern region. Public soybean breeders are encouraged to enter superior strains they develop into the Uniform Soybean Tests. Strains developed by four or more backcrosses to a released cultivar may be entered without prior yield evaluations.

Strains are evaluated for one year in the Preliminary Tests (PT) which are conducted at eight or more locations in several states. When the tests are completed, each public breeder is given an opportunity to review the results and to decide which strains merit further testing. In instances where there is little consensus among the breeders on the merits of a strain, the originator of the strain generally makes the final decision.

Strains that merit further testing are evaluated in the Uniform Tests (UT) conducted at more locations than Preliminary Tests and with three or four replications. Lines developed by four or more backcrosses to a released cultivar may be entered directly into the UT without prior evaluation in the PT. Strains evaluated in Regional Cyst Nematode (SCN) Tests may also be entered directly into the UT.

Strains may be considered for release after they have been evaluated for two years in the UT. Exceptions to this are special purpose strains or strains derived from four or more backcrosses to a released cultivar; these may be considered for release after one year in the UT. Consideration for release of any strains in the UT may be requested by any institution or breeder participating in the Uniform Soybean Tests, however it is generally initiated by the institution that developed the strain.

A strain should be released only if it is distinctly superior to existing varieties in one or more characteristics important for the crop, or it is superior in overall performance in areas where adapted. A single major production hazard which a new cultivar can overcome, e.g., a highly destructive disease, may become the overriding consideration in releasing a variety. Strains with a very limited range in adaptation should not be released unless performance in that limited range is outstandingly superior, or the strain possesses important use values not otherwise available, including diversification of the germplasm base for the species.

When a decision has been made to multiply a strain for release, the originating institution will inform other UT participants of the decision by February 15. This will give each UT participant the opportunity to participate in the multiplication and release of the strains. By March 15 all institutions intending to participate in the multiplication of the strain must notify the originating institution of their intent. A final decision to participate in the release of the strain may be delayed until an additional year's data are available for review. By April 1 the originating institution should notify all UT participants what states will be participating in the multiplication and are considering participating in the release of the strain. Breeders seed is distributed to foundation seed organizations in participating states for production during the summer. At this time, if a final decision to release has been made, a sample of seed may be distributed to non-participants in the UT, including private soybean breeders, in accordance with a States Experiment Station's policy. This distribution is made only by the originating institution.

A release notice to soybean seed producers listing all institutions participating in the release of the cultivar is prepared by the originating institutions. This notice is circulated for signature by all participating institutions. Assistance in the preparation and circulation of this release notice may be obtained from Dr. Howard Judy St. John, Acting Assoc. Deputy Administrator for Plant Science, USDA, ARS, Bldg. 005, BARC-West, Beltsville, MD 20705 (Ph. 301-504-6252). The office for clearance of proposed names of new soybean cultivars is: Mr. James P. Triplett Chief, Seed Regulator & Testing Branch Livestock and Seed Division, AMS/USDA, Bldg. 506, BARC-East, Beltsville, MD 20705-2350 (phone 301-504-9430). The date for simultaneous publicity release on the new cultivar by participating states usually is August 1, but the date may be delayed until April 1 of the following year if additional UT data are being reviewed and a final decision to release has not been made.

If an additional year of UT data are being reviewed prior to a final decision on release, states producing foundation seed must notify the originating state by February 15 of their intent to participate in the release of the cultivar. The release notice to soybean seed producers should be distributed for signature by the participating institutions by April 1.

Foundation seed under the name of the new cultivar is distributed to qualified certified seed producers in states releasing the new cultivar by April 1. At this time a sample of seed may be distributed to non-participants in the UT including private plant breeders, for testing and for crossing if this distribution has not been made previously.

UNIFORM TEST STRAINS RELEASED IN 1995

| Variety | Exp. Desig. | Uniform Test Evaluations |
|--------------|-------------|---|
| Blackjack 21 | ORC 9205 | PT I 1993, UT I 1994 |
| CF461 | Ky88-5037 | PT IVB 1991, UT IV 1992-1994 |
| Cisne | LN90-4129 | PT IVA 1993, UT IV 1994-1995 |
| Fillmore | U91-3607 | PT IIIA 1992, UT III 1993-1994 |
| Freeborn | M87-1621 | SCN I 1990-1994, UT I 1992-1994 |
| Glacier | M87-731 | UT 00 1991-1994 |
| Granite | M87-642 | PT I 1991, UT I 1992-1993 |
| IA2007R | IA2007 BC | UT II 1994-1995 |
| IA2008R | IA2008 BC | UT II 1994 |
| IA2021 | A91-607052 | PT IIA 1992, UT I 1993, UT II 1994-1995 |
| IA2022 | A91-607024 | PT IIA 1992, UT II 1993-1994 |
| IA3004 | A91-701007 | PT IIA 1992, UT III 1993-1994 |
| Iroquois | LN88-10534 | PT IIIA 1991, UT III 1992-1995 |
| Macon | LN89-295 | PT IIIA 1992, UT III 1993-1995 |
| Magellan | K1207 | PT IVA 1991 |
| Marcus 95 | A Marcus BC | UT I 1993-1995 |
| Mustang | LS87-1615 | SCN PT IV 1990, SCN UT IV 1991 PT IVA 1990, UT IV 1991 |
| Odell | U91-3610 | PT IIIA 1992, UT III 1993-1994 |

| Variety | Release Date | Releasing States | Found. Seed Production |
|--------------|-------------------|------------------------|------------------------|
| Blackjack 21 | 1995 | ONT, MN | 1995 |
| CF461 | June 1, 1995 | KY | 1994 |
| Cisne | 1995 | IL | 1995 |
| Fillmore | August, 1995 | NE | 1995 |
| Freeborn | February 15, 1995 | MN | 1994 |
| Glacier | February 15, 1995 | MN, ND | 1994 |
| Granite | February 15, 1995 | MN, SD, WI | 1994 |
| IA2007R | March, 1995 | IA, Canada | 1995 |
| IA2008R | March, 1995 | IA, IN, MN | 1995 |
| IA2021 | March, 1995 | IA, MN, NE, SD, Canada | 1995 |
| IA2022 | March, 1995 | IA, IN, MI, NE, Canada | 1995 |
| IA3004 | March, 1995 | IA | 1995 |
| Iroquois | August, 1995 | IA, IL | 1995 |
| Macon | August, 1995 | IA, IL, KS, KY, MO, NE | 1995 |
| Magellan | September, 1995 | MO | 1995 |
| Marcus 95 | March, 1995 | IA, Canada | 1995 |
| Mustang | September, 1995 | MO | 1995 |
| Odell | August, 1995 | NE | 1995 |

1995 DISEASE, SHATTERING, AND DESCRIPTIVE DATA

| Location | Tests Conducted By: | Tests | UT | PT | |
|----------|---------------------|--------------------|------------------|--------|-------|
| IA | Ames | W. R. Fehr | Emergence Score | 00-IV | |
| | Ames | W. R. Fehr | Iron Chlorosis | 00-III | I-III |
| | Ames | R. Ruff | PR4 | I-III | I-III |
| | Ames | R. Ruff | BSR | I-III | I-III |
| | Ames | R. Ruff | BTS | I-III | I-III |
| IL | Ridgway | P. Gibson | SDS | III-IV | |
| | Urbana | C. D. Nickell | Phyto. Rot | II | II |
| | Ullin | P. Gibson | SDS | III-IV | |
| IN | Lafayette | T. S. Abney | PS | I-IV | I-IV |
| | Lafayette | T. S. Abney | PS&B | I-II | II-IV |
| | Lafayette | T. S. Abney | Hard Seed | I-II | II-IV |
| | Vincennes | T. S. Abney | Hard Seed | III-IV | |
| | Vincennes | T. S. Abney | PS&B | III-IV | |
| | Lafayette | J. R. Wilcox | PR7 | 00-IV | I-IV |
| KS | Manhattan | W.T. Schapaugh, Jr | Shattering Score | 00-IV | I-IV |
| MN | Lamberton | J.H. Orf | Iron Chlorosis | 00-IV | I |
| OH | Custar | A.Schmitthenner | Root Rot Race 25 | II-IV | II-IV |

UNIFORM TEST LOCATIONS - 1995

| Location | Tests Conducted By: | Uniform Tests | | | | | | Preliminary Tests | | | | |
|----------|---------------------|----------------------------------|----|----|----|-----|----|-------------------|----|-----|----|----|
| | | 00 | 0 | I | II | III | IV | I | II | III | IV | |
| DE | Georgetown | B. Uniatowski | | | | | X | X | | | | |
| IA | Ames | W.R. Fehr | | | X | | | | X* | | | |
| | Fairfield | W.R. Fehr | | | | | X* | | | X* | | |
| | Grand Junction | W.R. Fehr | | | X | | | | | | | |
| | Greene | W.R. Fehr | | X | | | | | | | | |
| | Griswold | W.R. Fehr | | | | X | | | | | | |
| | Kanawha | W.R. Fehr | | X* | | | | | X* | | | |
| | Keystone | W.R. Fehr | | | X | | | | X | | | |
| | Pocahontas | W.R. Fehr | | X | | | | | X | | | |
| | Stuart | W.R. Fehr | | | | X | | | | X | | |
| IL | Belleville | M. Schmidt | | | | | | X | | | | X |
| | Dekalb | C.D. Nickell | | | X | | | | | | | |
| | Dewight | C.D. Nickell | | | X | | | | | | | |
| | Newton | C.D. Nickell | | | | X | | | | | | |
| | Ridgway | C.D. Nickell | | | X | X | | | | | | |
| | Urbana | C.D. Nickell | | | X* | X* | X | | X* | X* | X* | |
| | Ullin | M. Schmidt | | | | | X | | | | | |
| IN | Bluffton | J.R. Wilcox | | | X | X | | | | | | |
| | Lafayette | J.R. Wilcox | | | X* | X* | X* | | X | X* | | |
| KS | Manhattan | W.T. Schapaugh | | | | X | X* | | | X | X* | |
| | Ottawa | W.T. Schapaugh | | | | | X | | | | | |
| | Powhattan | W.T. Schapaugh | | | | X | | | | | | |
| | Topeka | W.T. Schapaugh | | | | X | X | | | | | |
| KY | Lexington | T. Pfeiffer | | | | X | X* | | | | | X* |
| MD | Queenstown | W.J. Kenworthy & P.B. Creegan | | | | X | X* | | | | | X |
| MI | Ingham Co. | B. Diers | | | X | X | | | X | X | | |
| | Lanawee Co. | B. Diers | | | | X | | | | | | |
| | Saginaw Co. | B. Diers | | | X | | | | | | | |
| MN | Crookston | J.H. Orf | X* | | | | | | | | | |
| | Lamberton | J.H. Orf | | | X* | X* | | | X* | | | |
| | Moorhead | J.H. Orf | X* | | | | | | | | | |
| | Morris | J.H. Orf | | X | | | | | | | | |
| | Rosemount | J.H. Orf | | X* | | | | | | | | |
| | Waseca | J.H. Orf | | | X | X | | | X* | | | |
| MO | Columbia | D. Slepser | | | | | X | X | | | X | X |
| | Portageville | S.C. Anand | | | | | | X | | | | |

IDENTIFICATION OF PARENT STRAINS 1995

| Strain | Parentage |
|----------------|--|
| A1 | Anoka x Mack |
| A2 | M63-17 x C1453 |
| A4 | L15 x AP68-1016 |
| A-7 | Hardome x PI 189.950 |
| A8 | A4 x Century |
| A11 | Selection from AP9 |
| A13 | Selection from AP9 |
| A17 | BSR 101 x CN210 |
| A20 | BSR 101(3) x CN210 |
| A55-5629-4 | Roanoke x Hawkeye |
| A71-5558-1 | Wirth x AX210-39-2 |
| A72-507 | Amsoy x Wayne |
| A72-512 | Amsoy x Wayne |
| A74-204034 | M62-263 x Amsoy 71 |
| A75-204018 | IVR Ex4731 x Wirth |
| A75-332035 | L15 x AP68-1016 |
| A76-103002 | AP6 |
| A76-304020 | (Beeson x AP68-1016) x (L15 x Calland) |
| A77-211021 | Beeson x A72-507 |
| A78-123018 | Prode B216 x Hodgson |
| A79-134008 | AP6 |
| A79-135010 | Pride B216 x Cumberland |
| A79-136012 | Pride B216 x Land O'Lakes 4102 |
| A79-331022 | (L15 x AP68-1016) x Oakland |
| A79-334010 | Prode B216 x Land O Lakes Max |
| A80-147002 | Northrup King S1492 x Pella |
| A80-244003 | Northrup King S1492 x Pella |
| A80-244036 | A74-204034 x Cumberland |
| A80-344003 | A75-332035 x Century |
| A80-346029 | A75-204018 x BSR 101 |
| A81-356022 | Century x A76-304020 |
| A82-161034 | A76-103002 x A77-211021 |
| A83-271027 | Northrup King S1492 x Asgrow A3127 |
| A85-192034 | A80-344003 x Asgrow A1937 |
| A85-193023 | A79-135010 x Asgrow A1937 |
| A85-394009 | A79-331022 x A79-334010 |
| A86-104011 | A80-244036 x A80-344003 |
| A86-203004 | Hack x Zane |
| A86-204022 | Hack x Zane |
| A86-301024 | A81-356022 x Hack |
| A86-303014 | A81-356022 x Hack |
| A87-186011 | AP9 |
| A87-186035 | AP9 |
| A87-187020 | AP6 |
| A87-296011 | Harper x A80-346029 |
| A89-144011 | Jacques J231 x 85R101 |
| A89-144026 | Jacques J231 x A8 |
| A89-144036 | A82-161034 x BSR 101 |
| A89-344017 | A85-394009 x Asgrow A1937 |
| AG51514 | Unknown |
| AgriPro 26 | Beeson x Calland |
| AgriPro AP1989 | Agripro 26 x Vickery |

IDENTIFICATION OF PARENT STRAINS, 1995

| Strain | Parentage |
|---------------------|---|
| AgriPro NAPB Ex2323 | Unknown |
| Agserv 8780 | Unknown |
| Amuruskaja 41 | PI 290.119 |
| AP6 | 40 lines intermated (Crop Sci.15:739, 1975) |
| AP9 | Iron-def. chlor. resis. (Crop Sci.20:677, 1980) |
| AP68-1012 | Clark(5) x PI 84.946-2 |
| Asgrow A1214 | Evans x AG51514 |
| Asgrow A1564 | Hark x C1453 |
| Asgrow A1895 | Asgrow A2575 x L73-827 |
| Asgrow A1937 | Hodgson 78 x Wayne |
| Asgrow A2234 | [(Calland x Amsoy) x Century(3)] x Williams 82 |
| Asgrow A2543 | Asgrow A3127 x (Century 84(2) x A79-134008) |
| Asgrow A2575 | C1453 x Amsoy 71 |
| Asgrow A2943 | Asgrow A1564 x Asgrow A3127 |
| Asgrow A3127 | Williams x Essex |
| Asgrow A3205 | Northrup King S1474 x Asgrow A3127 |
| Asgrow A3415 | Fayette x (Corsoy x PI 88.788) |
| Asgrow A3427 | X3836 x Asgrow A3127 |
| Asgrow A3733 | Elf x Asgrow A3127 |
| Asgrow A3935 | MO474C x Asgrow A3127 |
| Asgrow A4268 | Asgrow A1564 x Asgrow A3127 |
| Asgrow A4393 | X4136 x Elf |
| Asgrow A4595 | Douglas x Asgrow A3127 |
| Asgrow A5474 | J74-122 x (Tracy x D71-6234) |
| AX210-39-2 | D49-2491(4) x AX162-12(Ford x PI 68.708) |
| C1079 | Lincoln x Ogden |
| C1253 | Blackhawk x Harosoy |
| C1266R | Harosoy x C1079 |
| C1453 | C1266R x C1253 |
| C1622 | Harcor x L69U37-17-5 |
| C1627 | Century x Hodgson |
| C1732 | Century 84 x Harper |
| C1742 | A80-344003 x Century 84 |
| C1747 | A80-244003 x Williams 82 |
| C1756 | C1622 x Harper |
| C1762 | C1627 x CX782-257-3-1 |
| C1763 | C1627 x CX782-257-3-1 |
| Coker 393 | Unknown |
| CX782-257-3-1 | Fiskeby V x Essex |
| CX1039-99 | Cutler 71(3) x Pando |
| CX1099-11 | PRX27-108-4 x HC78-2836 |
| CX1159-49-1 | Spencer x PI 423.948A |
| D49-772 | Roanoke x N45-745 |
| D49-2491 | S100 x CNS |
| D51-4877 | Roanoke x N45-745 |
| D55-4073 | Volstate x Biloxi |
| D55-5168 | Ogden x Biloxi |
| D56-1106 | Lee(2) x PI 163.453 |
| D58-3358 | Jackson(4) x D49-2491 |
| D59-9289 | D51-4877 x D55-4168 |
| D61-2624 | D49-2491(4) x PI 163.453 |
| D61-3505 | D49-2491(4) x PI 163.453 |

IDENTIFICATION OF PARENT STRAINS, 1995

| Strain | Parentage |
|---------------------|---|
| D65-6765 | D58-3358 x D59-9289 |
| D66-7398 | D61-3505 x (PI 96.035 x D61-2624) |
| D68-18 | Dyer x Bragg |
| D71-6234 | D66-7398 x PI 95.960 |
| D75-10169 | Govin x sel. from Bragg x PI 229.358 |
| D82-3298 | Bedford x sel. from Forrest x D75-10169 |
| Dairyland DSR 284 | (Hark x Corsoy) x Corsoy 79 |
| Dairyland DSR 304 | Williams x Unknown |
| Dekalb CX366 | Unknown |
| Dekalb Pfizer CX458 | Unknown |
| DO-9-2-1-2 | [(A-7 x Altona) x P71-39] x [(A-7 x M62-173) x Holmberg 840-2-7 |
| E84108 | Sprite x Hardin |
| E86067 | A80-145015 x A79-135010 |
| FC55-224 | D49-772 x Improved Pelican |
| FC58-5788 | D49-2491(3) x Biloxi |
| FC65-1376 | (FC55-224 x D55-4073) x (FC58-5788 x D56-1106) |
| FH22-815 | Fiskeby V a Harosoy 63 |
| GR8936 | Asgrow A3127 x L24A |
| HC74-634RE | Williams x Ransom |
| HC74-3400 | Williams x Ransom |
| HC78-350 | L72U2567 x Essex |
| HC78-353 | L72U2567 x Essex |
| HC78-676 | L70T-543G x L74D-619 |
| HC78-676BC | HC78-676(6) x Williams 82 |
| HC78-2836 | L72U-2567 x Ransom |
| HC80-1756 | L73U632 x Elf |
| HC80-1944 | L73U-632 x Elf |
| HC80-1946 | L72U-2567 x Elf |
| HC82-294 | L70T543G x L74D-619 |
| HC83-4507 | L74D-634 x Hobbit |
| HC83-4532 | L74D-634 x Hobbit |
| HC84-1060 | A72-512 x HC74-3400 |
| HC85-164 | HC78-676 x Sprite |
| HC85-604 | Sprite x Asgrow A3127 |
| HM8473 | Asgrow A3127(4) x Williams 82 |
| HM8580 | HW79116 x HW79149 Unknown |
| HM8625 | A79-236002(2) x HW79149 |
| HM8632 | Zane(3) x HW79149 |
| HM8734 | A78-123018(2) x Century 84 |
| HM8778 | Zane(4) x HW79149 |
| HM87107 | Asgrow A3127 BC3F2 x Unknown |
| HS84-6224 | HW79015(2) x HW79149 |
| HS88-4988 | Winchester x A83-271027 |
| HS88-6786 | Conrad(2) x PI 360.844 |
| HS235 | Unknown |
| HW79015 | A72-512 x Oakland |
| HW79116 | Cumberland x Pella |
| HW79149 | [A72-507(6) x A1] x [A72-507(5) x PI 82.263-2] |
| IVR Ex4731 | Amsoy x Wayne |
| Ix93 | A71-5558-1 x L61-344 |
| J74-5 | Forrest x (D68-18 x PI 88.788) |

IDENTIFICATION OF PARENT STRAINS, 1995

| Strain | Parentage |
|-------------------|---|
| J74-122 | Forrest(2) x (D68-18 x PI 88.788) |
| Ja53-7-6 | Selection from Japanese variety |
| Jacques J231 | (Hodgson x Calland) x Corsoy |
| Jacques J285 | Weber x Asgrow A3127 |
| K74-114-75-000 | Tracy x Bonus |
| K82-1-48 | Asgrow A4268 x Asgrow A3127 |
| K1022 | Williams x Columbus |
| K1099 | K1022 x Essex |
| K1119 | K1022 x Essex |
| K1148 | Essex x Cumberland |
| L1-5 | Century(5) x PI 408.251 |
| L6 | L7 x L8 |
| L7 | Clark(8) x Blackhawk, <u>Rps1</u> |
| L8 | Clark(8) x L49-4091, <u>rxp</u> |
| L15 | Wayne(6) x Clark 63; <u>Rps1</u> isoline |
| L24A | Williams(7) x Kingwa |
| L49-4091 | (F3 Lincoln(2) x Richland) x (F1 Lincoln x CNS) |
| L57-0034 | Clark x Adams |
| L61-344 | Harosoy(6) x T117, <u>Dt2</u> |
| L62-361 | Harosoy(6) x T117, <u>DT2</u> |
| L62-1251 | Clark(6) x T117, <u>Dt2</u> |
| L66L-140 | Wayne x L57-0034 |
| L67-592 | Clark(6) x Higan, <u>S</u> |
| L69U37-17-5 | Calland x Corsoy |
| L70T-543G | L15 x Amsoy 71 |
| L72U-2567 | Williams x Ransom |
| L73-827 | L6 x (L67-592 x L62-1251) |
| L73U-632 | Miller 67 x L66L-140 |
| L74-3897 | Williams x Beeson |
| L74D-619 | Williams x Ransom |
| L74D-634 | Williams x Ransom |
| L76-0253 | Williams x PI 229.358 |
| L82C-1212 | Williams 82 x Fayette |
| Land O Lakes 4102 | (Mack x [Wayne x (Clark a Adams)]) x Cutler |
| LN80-10398 | Century x Land O Lakes Max |
| LN81-1029 | K74-114-75-000 x Pella |
| LN84-3897 | HW79149 x Harper |
| LN84-4109 | HW79149 x Harper |
| LN84-7513 | Hack x Elgin |
| LN86-983 | Hack x BSR101 |
| LN86-1947 | PI 437.833 x Elgin |
| LNx8509 | Sherman x Asgrow A2943 |
| LNx8519 | F1 (LN81-1029 x A83-271027) |
| LS83-3800 | Franklin x J74-5 |
| M10 | Lincoln(2) x Richland |
| M53-43 | M10 x PI 180.501 |
| M53-117 | M10 x PI 180.501 |
| M54-139 | Renville x Capital |
| M54-240 | [Lincoln(2) x Richland] x Korean |
| M59-120 | M54-240 x M54-139 |
| M61-20 | Merit x Comet |
| M61-224 | Merit x Harosoy |

IDENTIFICATION OF PARENT STRAINS, 1995

| Strain | Parentage |
|-----------|--|
| M62-93 | Merit x M406 |
| M62-173 | M387 x M406 |
| M62-263 | Grant x M319W |
| M63-17 | M402 x M406 |
| M63-87 | Chippewa x PI 261.475 |
| M63-217Y | Corsoy x M53-117; Y hilum sib of Hodgson |
| M64-3 | Traverse x PI 196.163 |
| M65-442 | Anoka x Amsoy |
| M66-30 | Magna x M61-20 |
| M67-141 | Corsoy x Wayne |
| M68-2 | Wilkin x M59-120 |
| M68-49-26 | Evans x M59-120 |
| M68-176 | Merit x Beeson |
| M68-256 | Evans x Steele |
| M70-271 | Merit x M64-3 |
| M70-294 | Ja53-7-6 x M63-217Y |
| M70-330 | M62-93 x M64-3 |
| M70-484 | M63-87 x M53-43 |
| M71-148 | Clay x Evans |
| M72-3 | Evans x Hodgson |
| M73-37 | Evans x XK505 |
| M73-62 | M61-224 x PI 297.518 |
| M73-129 | M68-49 x Hodgson |
| M74-23 | M68-2 x Evans |
| M74-69 | M68-256 x Hodgson |
| M74-179 | M68-256 x Clay |
| M74-394 | Hodgson x Wells |
| M74-498 | Peterson PX20 x [Hodgson(4) <u>Rps1</u> x Merit] |
| M75-2 | Hodgson x [M67-141 x (Chippewa x Higan)] |
| M75-48 | Wilkin x M65-442 |
| M75-274 | Evans x L70T-543 |
| M76-151 | M70-271 x Hodgson 78 |
| M77-75 | Coles x M66-30 |
| M81-18 | Evans x M65-442 |
| M81-27 | M68-49-26 x M70-294 |
| M82-303 | M70-330 x M68-176 |
| M82-559 | Vickery x Century |
| M82-601 | M70-484 x Vickery |
| M82-791 | M68-256 x L74-3897 |
| M82-996 | M72-3 x Peterson 1677 |
| M83-16 | A2 x Hodgson |
| M83-91 | Weber x M75-2 |
| M83-329 | M73-62 x Vickery |
| M83-442 | M71-148 x Pioneer 0877 |
| M83-459 | M74-69 x M75-48 |
| M83-727 | M73-62 x Simpson |
| M83-744 | M73-129 x M73-37 |
| M83-766 | Evans x M74-394 |
| M83-830 | Evans x Century |
| M84-93 | M71-148 x Ozzie |
| M84-492 | A79-136012 x M75-2 |
| M84-916 | A79-136012 x Dawson |

IDENTIFICATION OF PARENT STRAINS, 1995

| Strain | Parentage |
|----------------------|--|
| M84-1023 | M71-148 x M76-151 |
| M85-52 | M73-62 x Simpson |
| M85-109 | M74-179 x M77-75 |
| M85-933 | Fayette x McCall |
| M85-1004 | M73-62 x Pella |
| M86-421 | M74-23 x Gnome |
| M86-714 | M74-23 x Gnome |
| M319W | Lincoln x Hawkeye |
| M387 | Renville x Capital |
| M402 | Renville x Capital |
| M406 | Harosoy x Norchief |
| Matsoy | Corsoy x Amsoy |
| MO304 | S10 x Mitchell |
| MO385 | IVR1120 x Calland |
| MO474C | White-flowered off-type in Mitchell |
| N45-745 | Ogden x CNS |
| N70-1501 | Dare x D65-6765 |
| N70-1741 | Dare x D65-6765 |
| N70-2173 | Hampton x Ransom |
| N72-3058 | FC65-1376 x Ransom |
| N73-1102 | Tracy x Ransom |
| N76-098 | N70-1741 x Essex |
| N76-683 | N70-1501 x N70-2173 |
| N81-1121 | N72-3058 x N73-1102 |
| N83-375 | N76-098 x N76-683 |
| ND861 | Wilkin x L62-361 |
| Northrup King S18-84 | Northrup King S1492(4) x Tracy |
| Northrup King S19-90 | Pride B152 x Pella |
| Northrup King S20-26 | Pride B152 x HS235 |
| Northrup King S23-03 | Pride B216 x Hodgson |
| Northrup King S23-12 | Northrup King S1346 x Asgrow A2575 |
| Northrup King S26-06 | Northrup King S18-84 x Matsoy |
| Northrup King S29-39 | Pride B152 x 9240R |
| Northrup King S30-41 | Pride B152 x Pella |
| Northrup King S1346 | A55-5629-4 x PI 257.435 |
| Northrup King S1474 | Hark x Wayne |
| Northrup King S1492 | Corsoy x Wayne |
| OAC 86-07 | Maple Arrow x Williams |
| ORC8805 | A80-147002 x Pride B152 |
| OT86-1 | Coles x DO-9-2-1-2 |
| P6123-27 | Unknown |
| P6902.03 | (P191167 x Pioneer P4280) x ((Asgrow A3127 x (Pride B216 x Pioneer P3481)) x ((Pioneer P1677 x Northrup King S1474) x Asgrow A3127)) |
| P6906.22 | Unknown |
| P191167 | Unknown |
| PA4-11b | (Wilson(6) x Forrest) x (Perry x L76-0253) |
| Peterson 1677 | Rampage x Corsoy(2) |
| Peterson PX20 | Blend 50% Wells : 50% P6122 |
| Pioneer P0877 | [Clark x Chippewa 64] x Corsoy |
| Pioneer 1677 | Rampage x Corsoy(2) |
| Pioneer 3481 | Unknown |

IDENTIFICATION OF PARENT STRAINS, 1995

| Strain | Parentage |
|--------------------|--|
| Pioneer 4280 | Unknown |
| Pioneer P9272 | Pioneer P9292 x Asgrow A3127 |
| Pioneer P9292 | (Corsoy x Magna) x Williams |
| Pioneer P9303 | Pioneer Brand 2981 x M0385 |
| Pioneer P9341 | M0304 x Asgrow A3127 |
| Pioneer P9391 | Asgrow A3127 x Williams 79 |
| Pioneer P9401 | Williams x Cutler 71 |
| Pioneer P9441 | Williams x Essex |
| Pioneer P9442 | Pioneer P9441 x Asgrow A3127 |
| Pioneer P9442 | Pioneer P9441 x Asgrow A3127 |
| Pioneer P9461 | (351-29 x Asgrow A4268) x (Pioneer P9401 x Asgrow A3127) |
| Pioneer Brand 2981 | S20 x Hark |
| Pride B152 | Northrup King S1346(6) x Mack |
| Pride B216 | Corsoy x Wayne |
| PRX26-23 | PI 54.615.1 x PI 86.050 |
| PRX54-59 | Harosoy x Altona |
| PRX307 | Williams 82 x PRX26-23 |
| PRX334-219 | Williams 82 x (Century x PRX307) |
| RCAT 8703 | Hodgson x FH22-815 |
| RCAT 8802 | Hack x Asgrow A1895 |
| S10 | Unknown |
| S20 | Unknown |
| SD87001 | Fiskeby x IX93-100 |
| SG1Y/10PD2X | Intermated Population |
| Sigco KG20 | McCall x 2S11 |
| T117 | AK114(from AK) x PI 65.394 |
| T8508 | Northrup King S1346 x Calland |
| TGX855-61D | Unknown |
| UP3C0 | Intermated Population |
| Uphoff 3100 | Unknown |
| UX110 | Agripro NAPB Ex 2323 x PI 423.949 |
| V68-1034 | York x PI 71.506 |
| W10186 | Salut 216 x Ameruskaja 41 |
| X3836 | Unknown |
| X4136 | Unknown |
| 059-903 | Fiskeby III selection |
| 2S11 | 059-903 x Hardome |
| 85R101 | Unknown |
| 840-2-7 | PI 438.475 |
| 9240R | Unknown |

UNIFORM TEST 00, 1995

| Strain | Parentage | Previous* Testing | Generation Composited | Unique Traits |
|-------------|----------------------------|----------------------|--------------------------|------------------|
| Agassiz (0) | Simpson x M71-148 | 7 | F5 | Rps1 |
| Maple Ridge | Fiskeby III x Evans | 15 | F5 | |
| McCall (00) | (Acme x Chippewa) x Hark | 21 | F5 | |
| M91-94 | ND 861 x M84-93 | - | F5 | Rps1 |
| M91-95 | ND 861 x M84-93 | - | F5 | Rps1 |
| M91-278 | OT86-1 x McCall | - | F5 | Rps1 |
| M91-281 | OT86-1 x McCall | - | F5 | Rps1 |
| M91-297 | OT86-1 x McCall | - | F5 | Rps1 |
| M91-301 | OT86-1 x McCall | - | F5 | Rps1 |
| ND90-2624 | M82-996 x Sigco KG20 | UTO | F4 | |
| ND91-2523 | Sigco KG20 x Simpson | - | F5 | |
| ND91-2673 | Sigco KG20 x Pioneer P0877 | - | F5 | |
| ND91-2713 | Sigco KG20 x M81-18 | - | F5 | |
| ND91-2714 | Sigco KG20 x M81-18 | - | F5 | |
| ND91-2720 | Sigco KG20 x M81-18 | - | F5 | |
| ND91-2721 | Sigco KG20 x M81-18 | - | F5 | |
| ND91-2735 | Sigco KG20 x M81-18 | - | F5 | |
| ND91-3019 | Maple Presto x BSR 101 | - | F5 | |
| ND(M)90-370 | M81-27 x M83-16 | 1 | F5 | |
| ND(M)90-705 | M83-442 x McCall | 1 | F5 | |
| ND(M)90-706 | M83-442 x McCall | 1 | F5 | |
| ND(M)90-766 | M83-442 x McCall | - | F5 | |
| ND(M)90-776 | M83-442 x M81-18 | 1 | F5 | |
| ND(M)90-794 | M83-442 x M81-18 | UTO | F5 | |
| ND(M)91-105 | ND861 x M84-93 | - | F5 | |

* Number of years in test or name of 1994 test

UNIFORM TEST 00, 1995

DESCRIPTIVE AND DISEASE DATA

| Strain | Descriptive Code | <u>Chlorosis</u> | | <u>Emergence</u> | <u>Shattering</u> | <u>PR</u> |
|-------------|------------------|------------------|----------------|------------------|--------------------|------------------------|
| | | Score Ames | Lamber- ton | Score Ames | Score Manhattan | Lafayette Race 7 |
| Agassiz (0) | PGBDYBfI | 2.3 | 1.5 | 1 | 1 | S |
| Maple Ridge | PTBSYYI | 2.2 | 2.0 | 1 | 3 | S |
| McCall (00) | PGBDYI | 2.6 | 2.5 | 1 | 3 | S |
| M91-94 | WGBSYYI | 2.7 | 3.0 | 5 | 2 | S |
| M91-95 | PGBSYYI | 2.5 | 1.5 | 5 | 1 | S |
| M91-278 | PGBDYI | 2.2 | 2.0 | 2 | 2 | S |
| M91-281 | WGBDYI | 2.7 | 2.0 | 3 | 2 | S |
| M91-297 | WGBDYI | 2.7 | 2.5 | 2 | 1 | S |
| M91-301 | WGBDYI | 2.6 | 3.0 | 4 | 1 | R |
| ND90-2624 | PTBIYYI | 2.0 | 1.5 | 4 | 1 | S |
| ND91-2523 | PTBDYBrI | 2.2 | 2.5 | 5 | 2 | S |
| ND91-2673 | PTBDYGrI | 2.2 | 1.5 | 5 | 2 | S |
| ND91-2713 | PGBDYI | 2.1 | 2.5 | 5 | 3 | S |
| ND91-2714 | PGBDYI | 2.3 | 1.5 | 5 | 1 | S |
| ND91-2720 | PTBDYYI | 1.8 | 1.5 | 5 | 2 | S |
| ND91-2721 | PGBDYI | 2.3 | 2.0 | 2 | 2 | S |
| ND91-2735 | PGBDYI | 2.2 | 1.0 | 1 | 2 | S |
| ND91-3019 | PTTDYBrI | 2.2 | 1.0 | 3 | 1 | S |
| ND(M)90-370 | PGBDYI | 2.6 | 3.0 | 5 | 1 | S |
| ND(M)90-705 | WGBDYI | 2.1 | 1.5 | 2 | 2 | S |
| ND(M)90-706 | P+WGBDYI | 3.2 | 4.0 | 1 | 3 | R |
| ND(M)90-766 | PGBDYI | 2.8 | 4.0 | 2 | 2 | S |
| ND(M)90-776 | P+WGBIYYI | 2.7 | 2.0 | 2 | 2 | S |
| ND(M)90-794 | WGBSYYI | 2.6 | 4.0 | 5 | 2 | S |
| ND(M)91-105 | P+WGBSYYI | 2.2 | 1.5 | 8 | 1 | S |

UNIFORM TEST 00, 1995

REGIONAL SUMMARY

| No. of Tests Strain | Yield 5 bu/a | Rank 5 No. | Maturity 5 Date | Lodging 5 Score | Plant Height 5 In | Seed Quality 5 Score | Seed Size 5 g/100 | Seed <u>Composition</u> | |
|------------------------|--------------------|------------------|-----------------------|-----------------------|----------------------------|-------------------------------|----------------------------|-------------------------|---------------|
| | | | | | | | | Protein 5 % | Oil 5 % |
| Agassiz (0) | 44.7 | 15 | 6.0 | 1.3 | 30 | 2.2 | 14.9 | 41.9 | 20.4 |
| Maple Ridge | 37.6 | 25 | -4.2 | 1.1 | 26 | 2.4 | 15.6 | 41.4 | 19.9 |
| McCall (00) | 39.4 | 24 | 09/07* | 1.2 | 29 | 2.3 | 15.3 | 40.8 | 20.1 |
| M91-94 | 41.6 | 20 | 5.2 | 1.1 | 29 | 2.0 | 15.6 | 41.0 | 20.7 |
| M91-95 | 41.0 | 22 | 3.2 | 1.1 | 30 | 1.8 | 15.1 | 42.0 | 20.3 |
| M91-278 | 45.7 | 8 | 3.8 | 1.6 | 33 | 2.1 | 16.1 | 41.9 | 19.8 |
| M91-281 | 41.0 | 22 | 4.0 | 1.4 | 30 | 2.1 | 16.4 | 40.8 | 20.9 |
| M91-297 | 44.9 | 13 | 5.6 | 1.8 | 31 | 1.7 | 16.0 | 40.7 | 20.7 |
| M91-301 | 43.3 | 19 | 2.0 | 1.2 | 31 | 1.8 | 16.7 | 41.4 | 20.2 |
| ND90-2624 | 49.0 | 2 | 5.4 | 1.1 | 31 | 1.8 | 17.6 | 42.4 | 20.0 |
| ND91-2523 | 45.8 | 7 | 3.8 | 1.5 | 30 | 2.0 | 17.3 | 42.4 | 19.9 |
| ND91-2673 | 44.3 | 18 | 7.0 | 1.3 | 31 | 2.5 | 18.6 | 42.8 | 19.1 |
| ND91-2713 | 41.4 | 21 | 3.6 | 1.2 | 29 | 2.2 | 17.5 | 39.9 | 20.3 |
| ND91-2714 | 45.6 | 9 | 7.4 | 1.2 | 32 | 1.7 | 15.6 | 40.7 | 20.2 |
| ND91-2720 | 45.1 | 12 | 4.2 | 1.0 | 29 | 2.1 | 17.9 | 41.4 | 20.0 |
| ND91-2721 | 46.4 | 5 | 1.6 | 1.3 | 29 | 2.0 | 17.8 | 40.7 | 19.9 |
| ND91-2735 | 45.4 | 10 | 0.4 | 1.3 | 28 | 1.9 | 16.4 | 41.2 | 20.2 |
| ND91-3019 | 49.3 | 1 | 11.2 | 1.2 | 32 | 1.5 | 21.4 | 41.0 | 21.1 |
| ND(M)90-370 | 47.0 | 3 | 5.6 | 1.1 | 31 | 1.7 | 15.7 | 40.2 | 20.6 |
| ND(M)90-705 | 44.6 | 17 | 3.0 | 1.0 | 29 | 1.9 | 16.9 | 41.6 | 19.9 |
| ND(M)90-706 | 46.3 | 6 | 3.0 | 1.4 | 29 | 2.0 | 16.0 | 40.4 | 20.7 |
| ND(M)90-766 | 44.8 | 14 | 7.4 | 1.3 | 30 | 2.2 | 17.5 | 42.0 | 20.1 |
| ND(M)90-776 | 46.6 | 4 | 7.4 | 1.2 | 32 | 1.9 | 16.0 | 41.8 | 20.6 |
| ND(M)90-794 | 45.2 | 11 | 7.6 | 1.1 | 30 | 1.8 | 18.9 | 42.2 | 20.4 |
| ND(M)91-105 | 44.7 | 15 | 6.8 | 1.2 | 31 | 1.6 | 14.7 | 41.2 | 20.5 |

* 105.6 Days After Planting

1994-1995 2-YEAR MEAN

| No. of Tests Strain | Yield 11 bu/a | Rank 11 No. | Maturity 12 Date | Lodging 12 Score | Plant Height 12 In. | Seed Quality 10 Score | Seed Size 10 g/100 | Seed <u>Composition</u> | |
|------------------------|---------------------|-------------------|------------------------|------------------------|------------------------------|--------------------------------|-----------------------------|-------------------------|---------------|
| | | | | | | | | Protein 8 % | Oil 8 % |
| Agazziz (0) | 44.2 | 5 | 0.8 | 1.1 | 32 | 2.0 | 14.8 | 42.4 | 20.0 |
| Maple Ridge | 36.5 | 7 | -6.4 | 1.2 | 29 | 2.1 | 15.9 | 42.1 | 19.6 |
| McCall (00) | 40.0 | 6 | 9/10.5* | 1.5 | 32 | 2.1 | 15.5 | 41.2 | 20.1 |
| ND(M)90-370 | 46.9 | 1 | 5.8 | 1.2 | 36 | 1.6 | 15.6 | 40.8 | 20.1 |
| ND(M)90-705 | 44.5 | 4 | 2.4 | 1.3 | 32 | 1.7 | 16.4 | 42.0 | 19.6 |
| ND(M)90-706 | 45.0 | 3 | 2.3 | 1.6 | 32 | 1.9 | 16.1 | 40.7 | 20.3 |
| ND(M)90-776 | 46.5 | 2 | 6.6 | 1.5 | 36 | 1.9 | 15.6 | 42.0 | 20.2 |

* 112.3 Days After Planting

UNIFORM TEST 00, 1995

YIELD (bu/a)

| Strain | Mean 5 Tests | Crookston MN | Moorhead MN | Casselton ND | Elora Ont. | Ottawa Ont. |
|---------------|--------------------|-----------------|----------------|-----------------|---------------|----------------|
| Agassiz (0) | 44.7 | 48.6 | 24.7 | 50.0 | 48.4 | 52.0 |
| Maple Ridge | 37.6 | 39.5 | 24.8 | 34.2 | 37.7 | 52.0 |
| McCall (00) | 39.4 | 40.0 | 19.6 | 37.2 | 43.2 | 57.0 |
| M91-94 | 41.6 | 43.6 | 28.0 | 44.3 | 37.1 | 55.0 |
| M91-95 | 41.0 | 38.0 | 27.5 | 45.4 | 36.0 | 58.0 |
| M91-278 | 45.7 | 47.1 | 32.2 | 44.2 | 45.2 | 60.0 |
| M91-281 | 41.0 | 41.9 | 27.2 | 39.7 | 39.1 | 57.0 |
| M91-297 | 44.9 | 43.2 | 25.9 | 42.1 | 51.4 | 62.0 |
| M91-301 | 43.3 | 43.0 | 34.0 | 42.3 | 39.3 | 58.0 |
| ND90-2624 | 49.0 | 46.3 | 44.6 | 47.2 | 45.9 | 61.0 |
| ND91-2523 | 45.8 | 41.8 | 38.0 | 44.1 | 45.3 | 60.0 |
| ND91-2673 | 44.3 | 41.5 | 31.9 | 47.8 | 43.3 | 57.0 |
| ND91-2713 | 41.4 | 40.4 | 27.9 | 43.3 | 38.5 | 57.0 |
| ND91-2714 | 45.6 | 42.7 | 37.4 | 48.0 | 40.9 | 59.0 |
| ND91-2720 | 45.1 | 44.7 | 34.8 | 43.5 | 45.7 | 57.0 |
| ND91-2721 | 46.4 | 47.4 | 33.3 | 42.3 | 46.0 | 63.0 |
| ND91-2735 | 45.4 | 49.4 | 29.1 | 42.8 | 42.9 | 63.0 |
| ND91-3019 | 49.3 | 47.9 | 37.3 | 51.7 | 51.4 | 58.0 |
| ND(M)90-370 | 47.0 | 47.5 | 34.1 | 50.1 | 47.2 | 56.0 |
| ND(M)90-705 | 44.6 | 41.3 | 30.8 | 47.0 | 45.8 | 58.0 |
| ND(M)90-706 | 46.3 | 44.7 | 34.1 | 46.5 | 43.3 | 63.0 |
| ND(M)90-766 | 44.8 | 45.6 | 36.6 | 48.9 | 40.9 | 52.0 |
| ND(M)90-776 | 46.6 | 49.2 | 31.3 | 46.5 | 44.9 | 61.0 |
| ND(M)90-794 | 45.2 | 47.0 | 30.1 | 47.2 | 42.5 | 59.0 |
| ND(M)91-105 | 44.7 | 45.4 | 26.0 | 44.9 | 48.1 | 59.0 |
| C.V. (%) | | 11.0 | 14.4 | 6.0 | 6.7 | 5.5 |
| L.S.D. (5%) | | 7.8 | 7.3 | 4.4 | 4.0 | 4.6 |
| Row Sp. (in.) | | 12 | 10 | 30 | 14.8 | 16 |
| Rows/Plot | | 8 | 8 | 4 | 4 | 4 |
| Reps | | 3 | 3 | 3 | 4 | 3 |

UNIFORM TEST 00, 1995

YIELD RANK

| Strain | Yield Rank | Crookston MN | Moorhead MN | Casselton ND | Elora Ont. | Ottawa Ont. |
|-------------|------------|--------------|-------------|--------------|------------|-------------|
| Agassiz (0) | 15 | 4 | 24 | 3 | 3 | 23 |
| Maple Ridge | 25 | 24 | 23 | 25 | 23 | 25 |
| McCall (00) | 24 | 23 | 25 | 24 | 15 | 19 |
| M91-94 | 20 | 15 | 17 | 14 | 24 | 22 |
| M91-95 | 22 | 25 | 19 | 12 | 25 | 12 |
| M91-278 | 8 | 8 | 11 | 15 | 11 | 7 |
| M91-281 | 22 | 18 | 20 | 23 | 21 | 16 |
| M91-297 | 13 | 16 | 22 | 22 | 1 | 4 |
| M91-301 | 19 | 17 | 9 | 20 | 20 | 13 |
| ND90-2624 | 2 | 10 | 1 | 7 | 7 | 6 |
| ND91-2523 | 7 | 19 | 2 | 16 | 10 | 8 |
| ND91-2673 | 18 | 20 | 12 | 6 | 13 | 17 |
| ND91-2713 | 21 | 22 | 18 | 18 | 22 | 18 |
| ND91-2714 | 9 | 3 | 3 | 5 | 18 | 9 |
| ND91-2720 | 12 | 13 | 6 | 17 | 9 | 20 |
| ND91-2721 | 5 | 6 | 10 | 20 | 6 | 2 |
| ND91-2735 | 10 | 1 | 16 | 19 | 16 | 1 |
| ND91-3019 | 1 | 5 | 4 | 1 | 1 | 15 |
| ND(M)90-370 | 3 | 7 | 7 | 2 | 5 | 21 |
| ND(M)90-705 | 17 | 21 | 14 | 9 | 8 | 14 |
| ND(M)90-706 | 6 | 13 | 7 | 10 | 13 | 3 |
| ND(M)90-766 | 14 | 11 | 5 | 4 | 18 | 24 |
| ND(M)90-776 | 4 | 2 | 13 | 10 | 12 | 5 |
| ND(M)90-794 | 11 | 9 | 15 | 7 | 17 | 10 |
| ND(M)91-105 | 15 | 12 | 21 | 13 | 4 | 11 |

UNIFORM TEST 00, 1995

MATURITY (date)

| Strain | Mean 5 Tests | Crookston MN | Moorhead MN | Casselton ND | Elora Ont. | Ottawa Ont. |
|----------------|--------------------|-----------------|----------------|-----------------|---------------|----------------|
| Agassiz (0) | 6.0 | 7 | 10 | 8 | 1 | 4 |
| Maple Ridge | -4.2 | -4 | -4 | -5 | -4 | -4 |
| McCall (00) | 09/07 | 09/10 | 09/05 | 09/05 | 09/10 | 09/09 |
| M91-94 | 5.2 | 5 | 9 | 7 | 3 | 2 |
| M91-95 | 3.2 | 3 | 9 | 4 | -1 | 1 |
| M91-278 | 3.8 | 3 | 6 | 6 | 2 | 2 |
| M91-281 | 4.0 | 2 | 5 | 6 | 5 | 2 |
| M91-297 | 5.6 | 7 | 8 | 8 | 3 | 2 |
| M91-301 | 2.0 | 1 | 1 | 7 | 1 | 0 |
| ND90-2624 | 5.4 | 5 | 9 | 8 | 2 | 3 |
| ND91-2523 | 3.8 | 1 | 9 | 6 | 0 | 3 |
| ND91-2673 | 7.0 | 7 | 9 | 9 | 5 | 5 |
| ND91-2713 | 3.6 | 4 | 3 | 6 | 1 | 4 |
| ND91-2714 | 7.4 | 7 | 12 | 9 | 3 | 6 |
| ND91-2720 | 4.2 | 3 | 10 | 6 | -1 | 3 |
| ND91-2721 | 1.6 | 0 | 5 | 2 | 1 | 0 |
| ND91-2735 | 0.4 | 0 | 2 | 1 | -1 | 0 |
| ND91-3019 | 11.2 | 12 | 15 | 13 | 5 | 11 |
| ND(M)90-370 | 5.6 | 6 | 9 | 8 | 3 | 2 |
| ND(M)90-705 | 3.0 | 0 | 3 | 7 | 1 | 4 |
| ND(M)90-706 | 3.0 | 4 | 3 | 6 | 1 | 1 |
| ND(M)90-766 | 7.4 | 10 | 12 | 8 | 2 | 5 |
| ND(M)90-776 | 7.4 | 11 | 10 | 10 | 3 | 3 |
| ND(M)90-794 | 7.6 | 11 | 11 | 8 | 4 | 4 |
| ND(M)91-105 | 6.8 | 12 | 10 | 8 | 1 | 3 |
| Date Planted | 05/25 | 05/25 | 05/30 | 05/19 | 05/26 | 05/26 |
| Days to Mature | 105.6 | 108 | 98 | 109 | 107 | 106 |

UNIFORM TEST 00, 1995

LODGING (score)

| Strain | Mean 5 Tests | Crookston MN | Moorhead MN | Casselton ND | Elora Ont. | Ottawa Ont. |
|-------------|--------------------|-----------------|----------------|-----------------|---------------|----------------|
| Agassiz (0) | 1.3 | 1.0 | 1.0 | 1.0 | 1.1 | 2.4 |
| Maple Ridge | 1.1 | 1.0 | 1.0 | 1.7 | 1.0 | 1.0 |
| McCall (00) | 1.2 | 1.0 | 1.0 | 1.3 | 1.4 | 1.1 |
| M91-94 | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 |
| M91-95 | 1.1 | 1.0 | 1.0 | 1.3 | 1.0 | 1.0 |
| M91-278 | 1.6 | 1.0 | 1.3 | 2.7 | 1.4 | 1.5 |
| M91-281 | 1.4 | 1.0 | 1.3 | 2.3 | 1.3 | 1.3 |
| M91-297 | 1.8 | 1.0 | 1.7 | 2.7 | 1.9 | 1.8 |
| M91-301 | 1.2 | 1.0 | 1.0 | 2.0 | 1.1 | 1.1 |
| ND90-2624 | 1.1 | 1.0 | 1.0 | 1.3 | 1.0 | 1.3 |
| ND91-2523 | 1.5 | 1.0 | 1.0 | 2.0 | 1.5 | 2.2 |
| ND91-2673 | 1.3 | 1.0 | 1.0 | 1.0 | 1.3 | 2.2 |
| ND91-2713 | 1.2 | 1.0 | 1.0 | 1.3 | 1.0 | 1.7 |
| ND91-2714 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.9 |
| ND91-2720 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 |
| ND91-2721 | 1.3 | 1.0 | 1.0 | 1.7 | 1.4 | 1.4 |
| ND91-2735 | 1.3 | 1.0 | 1.0 | 2.0 | 1.3 | 1.0 |
| ND91-3019 | 1.2 | 1.0 | 1.0 | 1.0 | 1.1 | 2.0 |
| ND(M)90-370 | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 |
| ND(M)90-705 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ND(M)90-706 | 1.4 | 1.0 | 1.3 | 1.7 | 1.8 | 1.0 |
| ND(M)90-766 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 2.5 |
| ND(M)90-776 | 1.2 | 1.0 | 1.0 | 1.0 | 1.1 | 2.0 |
| ND(M)90-794 | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.6 |
| ND(M)91-105 | 1.2 | 1.0 | 1.0 | 1.3 | 1.0 | 1.7 |

UNIFORM TEST 00, 1995

PLANT HEIGHT (inches)

| Strain | Mean 5 Tests | Crookston MN | Moorhead MN | Casselton ND | Elora Ont. | Ottawa Ont. |
|-------------|--------------------|-----------------|----------------|-----------------|---------------|----------------|
| Agassiz (0) | 30 | 31 | 22 | 34 | 30 | 31 |
| Maple Ridge | 26 | 29 | 27 | 29 | 25 | 21 |
| McCall (00) | 29 | 31 | 24 | 32 | 31 | 28 |
| M91-94 | 29 | 30 | 27 | 33 | 30 | 27 |
| M91-95 | 30 | 33 | 27 | 35 | 28 | 28 |
| M91-278 | 33 | 28 | 30 | 37 | 35 | 33 |
| M91-281 | 30 | 29 | 26 | 34 | 31 | 30 |
| M91-297 | 31 | 31 | 26 | 32 | 34 | 31 |
| M91-301 | 31 | 32 | 30 | 34 | 31 | 28 |
| ND90-2624 | 31 | 30 | 34 | 33 | 29 | 29 |
| ND91-2523 | 30 | 32 | 27 | 31 | 30 | 28 |
| ND91-2673 | 31 | 29 | 27 | 33 | 34 | 32 |
| ND91-2713 | 29 | 28 | 26 | 32 | 29 | 31 |
| ND91-2714 | 32 | 34 | 27 | 35 | 30 | 35 |
| ND91-2720 | 29 | 33 | 25 | 32 | 28 | 28 |
| ND91-2721 | 29 | 32 | 25 | 32 | 28 | 26 |
| ND91-2735 | 28 | 30 | 26 | 29 | 27 | 27 |
| ND91-3019 | 32 | 33 | 29 | 35 | 30 | 32 |
| ND(M)90-370 | 31 | 35 | 23 | 35 | 31 | 30 |
| ND(M)90-705 | 29 | 32 | 24 | 30 | 29 | 29 |
| ND(M)90-706 | 29 | 29 | 29 | 30 | 29 | 27 |
| ND(M)90-766 | 30 | 31 | 25 | 34 | 27 | 31 |
| ND(M)90-776 | 32 | 34 | 28 | 34 | 32 | 31 |
| ND(M)90-794 | 30 | 31 | 24 | 33 | 28 | 32 |
| ND(M)91-105 | 31 | 37 | 25 | 32 | 31 | 29 |

UNIFORM TEST 00, 1995

SEED QUALITY (score)

| Strain | Mean 5 Tests | Crookston MN | Moorhead MN | Casselton ND | Elora Ont. | Ottawa Ont. |
|-------------|--------------------|-----------------|----------------|-----------------|---------------|----------------|
| Agassiz (0) | 2.2 | 2.7 | 3.0 | 1.7 | 1.5 | 2.0 |
| Maple Ridge | 2.4 | 3.0 | 3.3 | 2.0 | 1.5 | 2.0 |
| McCall (00) | 2.3 | 2.5 | 3.3 | 2.0 | 1.5 | 2.3 |
| M91-94 | 2.0 | 3.0 | 2.3 | 1.3 | 1.5 | 2.0 |
| M91-95 | 1.8 | 2.0 | 2.7 | 1.0 | 1.5 | 2.0 |
| M91-278 | 2.1 | 3.0 | 2.3 | 1.0 | 1.5 | 2.7 |
| M91-281 | 2.1 | 2.5 | 3.3 | 1.0 | 1.5 | 2.2 |
| M91-297 | 1.7 | 2.3 | 2.7 | 1.0 | 1.5 | 1.2 |
| M91-301 | 1.8 | 2.5 | 2.3 | 1.3 | 1.5 | 1.3 |
| ND90-2624 | 1.8 | 1.7 | 3.0 | 1.3 | 1.5 | 1.7 |
| ND91-2523 | 2.0 | 2.0 | 2.7 | 2.0 | 1.5 | 1.8 |
| ND91-2673 | 2.5 | 2.0 | 3.0 | 3.0 | 1.5 | 2.8 |
| ND91-2713 | 2.2 | 2.3 | 3.0 | 2.0 | 1.5 | 2.0 |
| ND91-2714 | 1.7 | 2.0 | 2.7 | 1.0 | 1.5 | 1.5 |
| ND91-2720 | 2.1 | 1.7 | 3.0 | 2.0 | 1.5 | 2.5 |
| ND91-2721 | 2.0 | 1.7 | 3.0 | 2.0 | 1.5 | 2.0 |
| ND91-2735 | 1.9 | 1.7 | 2.3 | 2.0 | 1.5 | 2.0 |
| ND91-3019 | 1.5 | 2.0 | 2.0 | 1.0 | 1.5 | 1.0 |
| ND(M)90-370 | 1.7 | 1.7 | 3.3 | 1.0 | 1.5 | 1.2 |
| ND(M)90-705 | 1.9 | 2.3 | 2.7 | 1.0 | 2.0 | 1.5 |
| ND(M)90-706 | 2.0 | 2.0 | 3.0 | 2.0 | 1.5 | 1.5 |
| ND(M)90-766 | 2.2 | 1.7 | 3.3 | 2.0 | 1.5 | 2.3 |
| ND(M)90-776 | 1.9 | 1.7 | 3.0 | 1.3 | 1.5 | 2.0 |
| ND(M)90-794 | 1.8 | 1.7 | 2.7 | 1.3 | 1.5 | 2.0 |
| ND(M)91-105 | 1.6 | 1.3 | 2.3 | 1.0 | 1.5 | 2.0 |

UNIFORM TEST 00, 1995

SEED SIZE (g/100)

| Strain | Mean 5 Tests | Crookston MN | Moorhead MN | Casselton ND | Elora Ont. | Ottawa Ont. |
|-------------|--------------------|-----------------|----------------|-----------------|---------------|----------------|
| Agassiz (0) | 14.9 | 16.1 | 14.9 | 15.5 | 14.1 | 13.8 |
| Maple Ridge | 15.6 | 15.1 | 14.0 | 16.5 | 16.3 | 15.9 |
| McCall (00) | 15.3 | 14.5 | 16.2 | 14.7 | 16.1 | 14.9 |
| M91-94 | 15.6 | 17.1 | 14.3 | 16.0 | 15.6 | 14.9 |
| M91-95 | 15.1 | 16.3 | 14.4 | 15.4 | 14.6 | 14.9 |
| M91-278 | 16.1 | 17.1 | 15.5 | 17.6 | 15.8 | 14.4 |
| M91-281 | 16.4 | 15.7 | 17.6 | 16.8 | 16.1 | 15.9 |
| M91-297 | 16.0 | 15.4 | 17.0 | 17.1 | 15.7 | 15.0 |
| M91-301 | 16.7 | 16.2 | 19.2 | 17.6 | 15.1 | 15.2 |
| ND90-2624 | 17.6 | 19.8 | 17.1 | 17.9 | 16.6 | 16.6 |
| ND91-2523 | 17.3 | 18.0 | 17.3 | 18.2 | 16.3 | 16.8 |
| ND91-2673 | 18.6 | 18.5 | 19.8 | 19.8 | 17.6 | 17.1 |
| ND91-2713 | 17.5 | 18.7 | 16.0 | 18.8 | 17.1 | 16.8 |
| ND91-2714 | 15.6 | 16.4 | 14.8 | 16.7 | 15.4 | 14.8 |
| ND91-2720 | 17.9 | 18.3 | 17.5 | 18.7 | 18.3 | 16.9 |
| ND91-2721 | 17.8 | 18.2 | 18.4 | 18.9 | 16.8 | 16.8 |
| ND91-2735 | 16.4 | 17.7 | 16.4 | 15.9 | 15.9 | 16.0 |
| ND91-3019 | 21.4 | 22.2 | 21.7 | 21.6 | 22.2 | 19.4 |
| ND(M)90-370 | 15.7 | 16.9 | 15.7 | 16.3 | 15.3 | 14.3 |
| ND(M)90-705 | 16.9 | 17.6 | 16.7 | 18.5 | 16.3 | 15.6 |
| ND(M)90-706 | 16.0 | 15.7 | 16.1 | 17.2 | 15.6 | 15.6 |
| ND(M)90-766 | 17.5 | 18.7 | 17.5 | 19.4 | 15.9 | 15.9 |
| ND(M)90-776 | 16.0 | 16.9 | 14.9 | 18.1 | 15.0 | 15.0 |
| ND(M)90-794 | 18.9 | 19.4 | 18.3 | 21.5 | 17.7 | 17.4 |
| ND(M)91-105 | 14.7 | 15.2 | 14.1 | 15.1 | 14.5 | 14.7 |

UNIFORM TEST 00, 1995

PROTEIN (%)

| Strain | Mean | Crookston MN | Moorhead MN | Casselton ND | Elora Ont. | Ottawa Ont. |
|-------------|------------|-----------------|----------------|-----------------|---------------|----------------|
| | 5 Tests | | | | | |
| Agassiz (0) | 41.9 | 41.4 | 40.3 | 41.2 | 42.7 | 43.9 |
| Maple Ridge | 41.4 | 39.8 | ---- | 42.3 | 42.6 | 40.8 |
| McCall (00) | 40.8 | 40.3 | 40.3 | 41.8 | 41.6 | 40.1 |
| M91-94 | 41.0 | 40.0 | 39.5 | 41.2 | 42.6 | 41.5 |
| M91-95 | 42.0 | 40.8 | 40.6 | 42.5 | 43.6 | 42.5 |
| M91-278 | 41.9 | 40.8 | 40.1 | 41.9 | 43.5 | 43.1 |
| M91-281 | 40.8 | 39.6 | 40.9 | 41.0 | 41.4 | 41.0 |
| M91-297 | 40.7 | 39.3 | 39.9 | 40.7 | 42.6 | 41.0 |
| M91-301 | 41.4 | 39.7 | ---- | 41.1 | 42.5 | 42.1 |
| ND90-2624 | 42.4 | 41.8 | 42.0 | 42.5 | 43.3 | 42.5 |
| ND91-2523 | 42.4 | 41.2 | 41.4 | 42.9 | 43.8 | 42.5 |
| ND91-2673 | 42.8 | 40.9 | 42.3 | 44.2 | 43.5 | 43.0 |
| ND91-2713 | 39.9 | 38.6 | 39.0 | 41.0 | 40.5 | 40.3 |
| ND91-2714 | 40.7 | 39.1 | 39.1 | 41.5 | 42.3 | 41.6 |
| ND91-2720 | 41.4 | 39.8 | 40.6 | 41.4 | 43.2 | 42.1 |
| ND91-2721 | 40.7 | 39.7 | 40.1 | 40.7 | 41.9 | 40.9 |
| ND91-2735 | 41.2 | 40.2 | 41.0 | 41.7 | 42.2 | 40.9 |
| ND91-3019 | 41.0 | 40.0 | 40.1 | 40.9 | 42.0 | 41.8 |
| ND(M)90-370 | 40.2 | 39.0 | 39.1 | 40.4 | 42.7 | 39.9 |
| ND(M)90-705 | 41.6 | 40.3 | 41.0 | 41.8 | 42.8 | 41.9 |
| ND(M)90-706 | 40.4 | 40.2 | 39.7 | 39.7 | 42.7 | 39.9 |
| ND(M)90-766 | 42.0 | 41.0 | 41.4 | 42.5 | 41.4 | 43.7 |
| ND(M)90-776 | 41.8 | 41.2 | 40.4 | 42.4 | 42.9 | 42.0 |
| ND(M)90-794 | 42.2 | 41.1 | 40.6 | 42.0 | 43.2 | 44.2 |
| ND(M)91-105 | 41.2 | 40.8 | 40.2 | 40.9 | 42.1 | 41.9 |

UNIFORM TEST 00, 1995

OIL (%)

| Strain | Mean 5 Tests | Crookston MN | Moorhead MN | Casselton ND | Elora Ont. | Ottawa Ont. |
|-------------|--------------------|-----------------|----------------|-----------------|---------------|----------------|
| Agassiz (0) | 20.4 | 20.2 | 20.5 | 20.8 | 20.2 | 20.3 |
| Maple Ridge | 19.9 | 19.3 | ---- | 19.5 | 19.3 | 21.6 |
| McCall (00) | 20.1 | 19.6 | 20.1 | 19.6 | 19.8 | 21.6 |
| M91-94 | 20.7 | 20.4 | 20.5 | 20.7 | 20.0 | 21.8 |
| M91-95 | 20.3 | 20.0 | 20.5 | 19.9 | 19.8 | 21.3 |
| M91-278 | 19.8 | 19.9 | 20.0 | 19.7 | 19.2 | 20.2 |
| M91-281 | 20.9 | 20.7 | 20.6 | 20.7 | 20.3 | 22.0 |
| M91-297 | 20.7 | 20.9 | 20.2 | 20.5 | 20.4 | 21.3 |
| M91-301 | 20.2 | 20.2 | ---- | 20.1 | 19.6 | 20.7 |
| ND90-2624 | 20.0 | 19.9 | 19.4 | 20.1 | 19.2 | 21.2 |
| ND91-2523 | 19.9 | 20.0 | 19.4 | 19.8 | 19.3 | 21.1 |
| ND91-2673 | 19.1 | 19.1 | 19.0 | 18.6 | 19.2 | 19.7 |
| ND91-2713 | 20.3 | 20.0 | 20.3 | 19.9 | 20.0 | 21.1 |
| ND91-2714 | 20.2 | 20.0 | 19.8 | 20.6 | 19.9 | 20.5 |
| ND91-2720 | 20.0 | 19.8 | 19.9 | 19.8 | 19.6 | 21.0 |
| ND91-2721 | 19.9 | 19.4 | 20.0 | 19.7 | 19.6 | 20.9 |
| ND91-2735 | 20.2 | 19.7 | 19.9 | 20.3 | 19.8 | 21.1 |
| ND91-3019 | 21.1 | 20.9 | 20.4 | 21.3 | 21.0 | 21.7 |
| ND(M)90-370 | 20.6 | 20.7 | 20.4 | 20.3 | 19.9 | 21.5 |
| ND(M)90-705 | 19.9 | 19.8 | 19.5 | 19.3 | 19.8 | 20.9 |
| ND(M)90-706 | 20.7 | 21.6 | 19.7 | 20.3 | 20.0 | 22.1 |
| ND(M)90-766 | 20.1 | 19.4 | 20.2 | 19.9 | 20.2 | 20.8 |
| ND(M)90-776 | 20.6 | 20.1 | 20.3 | 20.7 | 20.1 | 22.0 |
| ND(M)90-794 | 20.4 | 20.0 | 20.5 | 20.7 | 19.9 | 20.9 |
| ND(M)91-105 | 20.5 | 20.2 | 19.8 | 20.6 | 20.4 | 21.4 |

UNIFORM TEST 0, 1995

| Strain | Parentage | Previous* Testing | Generation Composited | Unique Traits |
|--------------|--------------------------|----------------------|--------------------------|------------------|
| Agassiz (E) | Simpson x M71-148 | 3 | F5 | Rps1 |
| Lambert (O) | M75-274 x M76-151 | 7 | F5 | Rps1 |
| Parker (I) | A79-136012 x Dawson | 4 | F5 | Rps1 |
| M90-916 | M83-329 x Dassel | 1 | F5 | |
| M90-1573 | L1-5 x Glenwood | PTI | F5 | Rps1 |
| M90-1712 | M83-459 x Corsoy 79 | PTI | F5 | Rps1-c |
| M91-189 | Agassiz x Maple Glen | - | F5 | Rps1 |
| M91-201 | Agassiz x Maple Glen | - | F5 | Rps1 |
| M91-228 | Maple Belle x Maple Glen | - | F5 | Rps1 |
| M91-557 | Ozzie x M86-421 | - | F5 | Rps1 |
| M91-560 | Ozzie x M86-421 | - | F5 | Rps1 |
| M91-745 | Evans x All | - | F5 | Rps1 |
| M91-759 | M81-18 x Kato | - | F5 | Rps1 |
| M91-802 | Leslie x Kato | - | F5 | Rps1 |
| M91-821 | M83-766 x Leslie | - | F5 | Rps1 |
| M91-824 | M81-18 x BSR 101 | - | F5 | Rps1 |
| M91-833 | M81-18 x BSR 101 | - | F5 | Rps1 |
| M91-846 | M81-18 x BSR 101 | - | F5 | Rps1 |
| M91-1068 | A85-193023 x M82-559 | - | F5 | Rps1-c |
| M91-1099 | Kasota x M81-18 | - | F5 | Rps1-c |
| M91-1135 | Kasota x Kenwood | - | F5 | Rps1-c |
| M91-1195 | Sturdy x Kato | - | F5 | Rps1 |
| M91-1416 | M83-727 x A86-104011 | - | F5 | Rps1 |
| M91-1644 | Haroson x Sturdy | - | F5 | Rps1-c |
| M91-2104 | W10186 x TGX855-61D | - | F4 | |
| ND91-2317 | Natto King 86 x Jizuka | - | F4 | natto type |
| ND91-2327 | Natto King 86 x Jizuka | - | F4 | natto type |
| ND91-2330 | Natto King 86 x Jizuka | - | F4 | natto type |
| ND(M)89-111 | Maple Donovan x M82-303 | 2 | F4 | |
| ND(M)89-556 | M82-791 x M82-601 | 2 | F4 | |
| ND(M)90-461 | M81-27 x M83-91 | 1 | F5 | |
| ND(M)90-547 | Evans(2) x PI 417.511 | UT00 | F4 | |
| ND(M)90-599 | Evans(2) x PI 417.511 | UT00 | F4 | |
| ND(M)90-722 | M83-442 x M81-18 | 1 | F5 | |
| ND(M)90-754 | M83-442 x M81-18 | 1 | F5 | |
| ND(M)90-1105 | Ozzie x A85-192034 | - | F5 | |
| ND(M)91-564 | Ozzie x M86-421 | - | F5 | |
| ND(M)91-895 | M81-27 x M85-52 | - | F5 | |
| ND(M)91-997 | Agassiz x Glenwood | - | F5 | |
| ND(M)91-1037 | Evans x M85-1004 | - | F5 | |
| ND(M)91-1354 | Hack x Lambert | - | F5 | |
| SD93-587 | Kato x Archer | - | F5 | |
| SD93-719 | Kato x Glenwood | - | F5 | |
| SD93-1020 | Traverse x Archer | - | F5 | |
| SD(M)91-1574 | L1-5 x Glenwood | - | F5 | |
| SD(M)92-1233 | A86-204022 x Kato | 1 | F5 | |
| SD(M)92-1272 | Sibley x Kato | 1 | F5 | |
| SD(M)93-256 | Kato x A17 | - | F5 | |
| SD(M)93-907 | Kasota x Leslie | - | F5 | |
| SD(M)93-954 | Kasota x Kato | - | F5 | |

* Number of years in test or name of 1994 test

UNIFORM TEST 0, 1995

DESCRIPTIVE AND DISEASE DATA

| Strain | Descriptive Code | Chlorosis Score | | Emergence Score | Shattering Score | PR Lafayette Race 7 |
|--------------|------------------|-----------------|-------------|-----------------|------------------|---------------------|
| | | Ames | Lambert-ton | Ames | Manhattan | |
| Agassiz (E) | PGBDYBfI | 2.3 | 1.5 | 2 | 1 | S |
| Lambert (O) | PGBSYBfI | 3.2 | 4.0 | 1 | 1 | S |
| Parker (I) | WGBDYBfI | 3.7 | 5.0 | 5 | 2 | S |
| M90-916 | PGBDYfI | 3.0 | 2.0 | 4 | 1 | S |
| M90-1573 | PTBDYBrI | 3.3 | 2.5 | 3 | 1 | R |
| M90-1712 | WGBDYfI | 3.5 | 2.0 | 2 | 2 | R |
| M91-189 | PGBDYfI | 2.8 | 3.5 | 2 | 2 | S |
| M91-201 | PGBDYBfI | 2.7 | 4.0 | 2 | 1 | S |
| M91-228 | WGBDYfI | 3.5 | 2.5 | 4 | 2 | R |
| M91-557 | WGBDYfI | 3.5 | 3.0 | 1 | 2 | S |
| M91-560 | PGTDYfI | 3.2 | 3.0 | 4 | 1 | S |
| M91-745 | PGBDYfI | 2.5 | 1.5 | 4 | 2 | S |
| M91-759 | PGBSYIbI | 2.6 | 1.5 | 2 | 3 | S |
| M91-802 | PTBDYBlI | 3.7 | 3.5 | 5 | 2 | S |
| M91-821 | WGBIYfI | 4.0 | 3.5 | 5 | 2 | S |
| M91-824 | PGBSYfI | 3.3 | 2.0 | 3 | 2 | S |
| M91-833 | PGBDYfI | 3.1 | 3.0 | 2 | 1 | S |
| M91-846 | PGBSYIbI | 3.5 | 2.5 | 2 | 2 | S |
| M91-1068 | PGBDYIbI | 4.2 | 4.0 | 5 | 3 | R |
| M91-1099 | PGBSYfI | 2.6 | 3.5 | 3 | 3 | R |
| M91-1135 | PTBDYBlI | 4.3 | 3.5 | 3 | 1 | R |
| M91-1195 | PTBIYBlI | 3.0 | 2.0 | 5 | 1 | S |
| M91-1416 | PTTDYBrI | 3.7 | 5.0 | 2 | 1 | S |
| M91-1644 | PGBDYBfI | 2.8 | 3.0 | 5 | 2 | R |
| M91-2104 | PGBDYBfI | 3.1 | 2.5 | 5 | 1 | S |
| ND91-2317 | PGTSYfI | 3.1 | 2.5 | 1 | 1 | S |
| ND91-2327 | PGBSYfI | 3.7 | 2.0 | 4 | 1 | S |
| ND91-2330 | PGTSYfI | 3.0 | 1.5 | 5 | 1 | S |
| ND(M)89-111 | PWGBDYfI | 2.7 | 1.5 | 5 | 2 | S |
| ND(M)89-556 | PGTDYfI | 2.7 | 1.5 | 3 | 1 | S |
| ND(M)90-461 | PWGBDYBfI | 2.7 | 1.0 | 5 | 2 | S |
| ND(M)90-547 | PWGBDYHI | 3.0 | 2.0 | 2 | 3 | S |
| ND(M)90-599 | PWGBDYHI | 2.8 | 1.0 | 1 | 2 | S |
| ND(M)90-722 | PGBDYfI | 3.5 | 5.0 | 5 | 2 | S |
| ND(M)90-754 | PGBSYfI | 3.0 | 1.5 | 5 | 2 | S |
| ND(M)90-1105 | PGBDYBfI | 3.1 | 1.5 | 5 | 2 | S |
| ND(M)91-564 | PGTDYfI | 2.8 | 2.5 | 1 | 2 | S |
| ND(M)91-895 | PGBDYBfI | 2.8 | 2.5 | 1 | 2 | S |
| ND(M)91-997 | PGBDYIbI | 3.8 | 2.5 | 5 | 2 | S |
| ND(M)91-1037 | WGBDYfI | 2.3 | 4.0 | 2 | 1 | H |
| ND(M)91-1354 | PWGBSYHI | 3.0 | 1.0 | 5 | 1 | S |
| SD93-587 | PGTDYIbI | 2.6 | 3.0 | 5 | 1 | R |
| SD93-719 | PTBDYBlI | 3.0 | 2.0 | 4 | 1 | S |
| SD93-1020 | PGBSYGrI | 3.1 | 3.0 | 5 | 2 | S |
| SD(M)91-1574 | PTBDYBlI | 3.3 | 3.0 | 1 | 1 | S |
| SD(M)92-1233 | PGBDYIbI | 3.2 | 2.5 | 1 | 1 | S |
| SD(M)92-1272 | WGBDYBfI | 3.2 | 3.0 | 1 | 2 | R |
| SD(M)93-256 | PTBDYBlI | 3.0 | 2.5 | 5 | 2 | S |
| SD(M)93-907 | WGBDYBfI | 3.2 | 2.5 | 5 | 2 | S |
| SD(M)93-954 | WGBDYBfI | 3.0 | 3.0 | 3 | 2 | S |

UNIFORM TEST 0, 1995

REGIONAL SUMMARY

| No. of Tests Strain | Yield 8 bu/a | Rank 8 No. | Maturity 6 Date | Lodging 8 Score | Plant Height 8 In. | Seed Quality 8 Score | Seed Size 8 g/100 | Composition | |
|------------------------|--------------------|------------------|-----------------------|-----------------------|-----------------------------|-------------------------------|----------------------------|-------------------|---------------|
| | | | | | | | | Protein 5 % | Oil 5 % |
| Agassiz (E) | 47.4 | 43 | -6.5 | 1.6 | 29 | 1.9 | 15.8 | 41.7 | 20.5 |
| Lambert (O) | 54.3 | 8 | 09/16* | 1.6 | 32 | 1.8 | 16.9 | 42.6 | 20.4 |
| Parker (I) | 55.4 | 4 | 9.2 | 2.6 | 38 | 2.2 | 18.1 | 41.3 | 20.4 |
| M90-916 | 51.6 | 19 | 2.3 | 2.0 | 39 | 1.9 | 18.2 | 42.5 | 20.6 |
| M90-1573 | 51.2 | 23 | 5.7 | 1.5 | 33 | 1.7 | 19.3 | 44.6 | 19.7 |
| M90-1712 | 51.7 | 17 | 4.7 | 1.7 | 34 | 1.8 | 17.5 | 42.5 | 20.2 |
| M91-189 | 53.3 | 13 | 4.0 | 1.6 | 34 | 2.0 | 21.9 | 42.9 | 20.5 |
| M91-201 | 46.7 | 46 | -2.3 | 1.3 | 26 | 1.7 | 16.1 | 42.8 | 19.7 |
| M91-228 | 51.6 | 19 | 2.0 | 1.9 | 32 | 1.6 | 18.1 | 41.9 | 21.2 |
| M91-557 | 50.5 | 28 | 0.8 | 1.7 | 33 | 1.7 | 16.8 | 43.2 | 20.1 |
| M91-560 | 47.7 | 42 | -3.0 | 1.5 | 29 | 1.4 | 16.6 | 42.9 | 20.2 |
| M91-745 | 48.6 | 39 | 2.0 | 1.8 | 34 | 1.7 | 14.7 | 41.5 | 19.8 |
| M91-759 | 53.5 | 11 | 2.3 | 1.8 | 38 | 1.6 | 19.0 | 43.6 | 20.0 |
| M91-802 | 51.7 | 17 | 3.2 | 1.6 | 34 | 2.0 | 20.2 | 42.6 | 19.9 |
| M91-821 | 56.2 | 1 | 3.2 | 1.7 | 33 | 1.5 | 17.1 | 41.9 | 21.0 |
| M91-824 | 50.5 | 28 | 2.7 | 2.0 | 36 | 1.6 | 18.3 | 42.8 | 20.4 |
| M91-833 | 51.1 | 24 | 8.0 | 1.9 | 39 | 1.8 | 16.3 | 42.3 | 20.1 |
| M91-846 | 53.3 | 13 | 5.5 | 2.1 | 38 | 1.9 | 16.9 | 42.6 | 20.4 |
| M91-1068 | 50.5 | 28 | 7.7 | 1.9 | 36 | 2.1 | 16.7 | 42.4 | 19.6 |
| M91-1099 | 50.3 | 31 | 1.8 | 1.4 | 36 | 1.8 | 15.6 | 42.4 | 20.7 |
| M91-1135 | 50.1 | 32 | 6.0 | 1.5 | 35 | 2.2 | 14.7 | 42.9 | 19.4 |
| M91-1195 | 54.9 | 5 | 8.2 | 1.8 | 37 | 1.7 | 19.8 | 42.7 | 19.9 |
| M91-1416 | 56.1 | 2 | 7.3 | 1.9 | 32 | 1.9 | 17.1 | 42.2 | 20.0 |
| M91-1644 | 54.1 | 9 | 5.8 | 2.4 | 35 | 1.7 | 16.0 | 41.6 | 20.2 |
| M91-2104 | 51.1 | 24 | 6.0 | 2.0 | 38 | 1.8 | 15.8 | 42.2 | 20.5 |
| ND91-2317 | 42.6 | 48 | 1.5 | 3.3 | 29 | 1.4 | 10.2 | 43.1 | 18.7 |
| ND91-2327 | 41.8 | 50 | 2.7 | 3.2 | 28 | 1.6 | 12.3 | 42.5 | 20.3 |
| ND91-2330 | 44.0 | 47 | -1.5 | 4.0 | 29 | 1.5 | 10.1 | 40.6 | 19.2 |
| ND(M)89-111 | 48.9 | 37 | -4.0 | 1.6 | 30 | 1.7 | 16.6 | 40.7 | 20.6 |
| ND(M)89-556 | 48.7 | 38 | -3.5 | 1.5 | 30 | 1.6 | 17.0 | 41.8 | 20.7 |
| ND(M)90-461 | 42.5 | 49 | -6.3 | 1.2 | 26 | 1.8 | 16.6 | 42.0 | 20.9 |
| ND(M)90-547 | 47.3 | 44 | -3.7 | 1.4 | 28 | 1.9 | 18.4 | 42.6 | 20.4 |
| ND(M)90-599 | 47.3 | 44 | -2.3 | 1.6 | 29 | 1.7 | 18.5 | 42.8 | 20.2 |
| ND(M)90-722 | 53.7 | 10 | -1.5 | 1.5 | 31 | 1.7 | 17.4 | 43.1 | 20.4 |
| ND(M)90-754 | 50.0 | 33 | -3.5 | 1.5 | 30 | 1.5 | 18.2 | 42.7 | 20.3 |
| ND(M)90-1105 | 47.9 | 41 | -0.3 | 1.4 | 30 | 2.0 | 16.8 | 42.5 | 20.6 |
| ND(M)91-564 | 48.6 | 39 | -4.5 | 1.1 | 26 | 1.6 | 17.2 | 42.4 | 20.8 |
| ND(M)91-895 | 54.8 | 6 | -1.5 | 1.9 | 34 | 1.8 | 18.0 | 40.8 | 20.6 |
| ND(M)91-997 | 53.5 | 11 | 2.3 | 1.4 | 33 | 2.0 | 17.3 | 42.2 | 19.8 |
| ND(M)91-1037 | 49.3 | 35 | -0.5 | 1.2 | 30 | 1.6 | 18.0 | 40.8 | 20.8 |
| ND(M)91-1354 | 54.6 | 7 | -1.3 | 1.4 | 29 | 1.8 | 17.1 | 40.9 | 20.8 |
| SD93-587 | 49.6 | 34 | 3.3 | 1.4 | 33 | 1.8 | 18.1 | 43.5 | 19.7 |
| SD93-719 | 50.6 | 27 | 5.7 | 1.6 | 37 | 1.8 | 21.5 | 44.0 | 19.8 |
| SD93-1020 | 51.5 | 21 | 9.5 | 2.1 | 35 | 1.7 | 17.7 | 42.0 | 19.6 |
| SD(M)91-1574 | 51.8 | 16 | 5.7 | 1.4 | 31 | 1.8 | 19.6 | 43.1 | 19.9 |
| SD(M)92-1233 | 55.9 | 3 | 4.5 | 1.5 | 32 | 1.6 | 20.4 | 43.3 | 20.0 |
| SD(M)92-1272 | 52.4 | 15 | 5.3 | 1.7 | 36 | 1.4 | 17.6 | 43.6 | 20.1 |
| SD(M)93-256 | 49.2 | 36 | 6.8 | 1.6 | 37 | 1.6 | 21.5 | 44.0 | 19.6 |
| SD(M)93-907 | 51.1 | 24 | 8.5 | 1.9 | 34 | 2.0 | 19.0 | 42.9 | 20.3 |
| SD(M)93-954 | 51.5 | 21 | 3.3 | 1.2 | 30 | 1.8 | 19.9 | 43.9 | 19.6 |

* 123.8 Days After Planting

UNIFORM TEST 0, 1995

1994-1995 2-YEAR MEAN

| No. of Tests Strain | Yield 16 bu/a | Rank 16 No. | Maturity 14 Date | Lodging 16 Score | Plant Height 16 In. | Seed Quality 16 Score | Seed Size 16 g/100 | Composition | |
|------------------------|---------------------|-------------------|------------------------|------------------------|------------------------------|--------------------------------|-----------------------------|-------------------|---------------|
| | | | | | | | | Protein 8 % | Oil 8 % |
| Agazziz (E) | 44.3 | 8 | -6.5 | 1.5 | 30 | 1.8 | 15.4 | 42.5 | 20.1 |
| Lambert (O) | 52.9 | 2 | 9/17.0* | 1.6 | 33 | 1.7 | 16.9 | 43.1 | 20.0 |
| Parker (I) | 54.6 | 1 | 9.0 | 2.6 | 39 | 2.1 | 18.1 | 41.7 | 19.8 |
| M90-916 | 51.0 | 4 | 1.4 | 2.0 | 40 | 1.8 | 18.4 | 42.4 | 20.3 |
| ND(M)89-111 | 48.1 | 6 | -4.4 | 1.7 | 32 | 1.9 | 16.6 | 40.9 | 20.4 |
| ND(M)89-556 | 46.6 | 7 | -3.9 | 1.5 | 31 | 1.7 | 16.5 | 42.2 | 20.2 |
| ND(M)90-461 | 42.5 | 9 | -6.5 | 1.3 | 28 | 1.7 | 16.6 | 41.9 | 20.4 |
| ND(M)90-722 | 52.5 | 3 | -2.1 | 1.6 | 34 | 1.8 | 16.9 | 42.3 | 20.3 |
| ND(M)90-754 | 48.2 | 5 | -4.6 | 1.5 | 31 | 1.5 | 17.8 | 42.7 | 19.9 |

* 123.9 Days After Planting

1993-1995 3-YEAR MEAN

| No. of Tests Strain | 19 | 19 | 19 | 20 | 21 | 21 | 21 | 13 | 13 |
|------------------------|------|----|---------|-----|----|-----|------|------|------|
| Agazziz (E) | 41.2 | 5 | -7.7 | 1.4 | 28 | 1.7 | 14.9 | 42.2 | 19.9 |
| Lambert (O) | 49.8 | 2 | 9/17.3* | 1.5 | 31 | 1.7 | 16.5 | 42.8 | 19.7 |
| Parker (I) | 51.3 | 1 | 8.7 | 2.3 | 37 | 2.1 | 17.7 | 41.2 | 19.6 |
| ND(M)89-111 | 45.8 | 3 | -4.7 | 1.7 | 30 | 1.8 | 16.1 | 40.6 | 20.3 |
| ND(M)89-556 | 43.0 | 4 | -5.1 | 1.4 | 29 | 1.6 | 15.9 | 41.7 | 20.1 |

* 124.1 Days After Planting

UNIFORM TEST 0, 1995

YIELD (bu/a)

| Strain | Mean 8 Tests | Morris MN | Rosemount MN | Casselton ND | Saint Cesaire Quebec |
|---------------|--------------------|--------------|-----------------|-----------------|----------------------------|
| Agassiz (E) | 47.4 | 45.0 | 39.3 | 50.0 | 47.6 |
| Lambert (O) | 54.3 | 57.3 | 48.9 | 54.8 | 49.2 |
| Parker (I) | 55.4 | 54.1 | 51.7 | 55.1 | 49.9 |
| M90-916 | 51.6 | 62.2 | 47.9 | 49.6 | 37.3 |
| M90-1573 | 51.2 | 51.3 | 51.0 | 49.7 | 49.4 |
| M90-1712 | 51.7 | 54.1 | 53.2 | 49.5 | 38.3 |
| M91-189 | 53.3 | 51.8 | 53.4 | 55.5 | 45.9 |
| M91-201 | 46.7 | 42.6 | 38.1 | 49.2 | 46.7 |
| M91-228 | 51.6 | 51.0 | 51.5 | 51.1 | 51.0 |
| M91-557 | 50.5 | 51.7 | 51.0 | 46.5 | 43.5 |
| M91-560 | 47.7 | 42.8 | 50.1 | 49.8 | 40.5 |
| M91-745 | 48.6 | 43.1 | 47.6 | 48.5 | 45.6 |
| M91-759 | 53.5 | 56.0 | 52.5 | 51.9 | 47.5 |
| M91-802 | 51.7 | 46.4 | 49.6 | 49.5 | 51.0 |
| M91-821 | 56.2 | 56.4 | 53.8 | 54.8 | 55.4 |
| M91-824 | 50.5 | 47.8 | 50.7 | 53.1 | 39.6 |
| M91-833 | 51.1 | 56.5 | 48.1 | 56.4 | 43.3 |
| M91-846 | 53.3 | 59.7 | 51.9 | 48.6 | 49.8 |
| M91-1068 | 50.5 | 52.1 | 48.4 | 50.8 | 43.6 |
| M91-1099 | 50.3 | 56.5 | 48.8 | 49.9 | 46.5 |
| M91-1135 | 50.1 | 54.5 | 47.9 | 49.7 | 42.8 |
| M91-1195 | 54.9 | 63.1 | 57.3 | 53.5 | 48.3 |
| M91-1416 | 56.1 | 53.7 | 54.5 | 56.6 | 50.0 |
| M91-1644 | 54.1 | 57.6 | 54.4 | 55.5 | 49.3 |
| M91-2104 | 51.1 | 49.2 | 48.9 | 49.1 | 50.7 |
| ND91-2317 | 42.6 | 47.7 | 38.6 | 45.4 | 38.8 |
| ND91-2327 | 41.8 | 44.1 | 45.2 | 41.7 | 43.1 |
| ND91-2330 | 44.0 | 45.2 | 36.8 | 47.5 | 44.9 |
| ND(M)89-111 | 48.9 | 49.6 | 40.6 | 50.0 | 44.0 |
| ND(M)89-556 | 48.7 | 48.5 | 42.0 | 48.6 | 42.1 |
| ND(M)90-461 | 42.5 | 44.1 | 30.9 | 47.9 | 35.4 |
| ND(M)90-547 | 47.3 | 44.0 | 53.3 | 47.2 | 44.0 |
| ND(M)90-599 | 47.3 | 44.0 | 46.1 | 50.0 | 42.3 |
| ND(M)90-722 | 53.7 | 52.5 | 46.1 | 52.4 | 50.3 |
| ND(M)90-754 | 50.0 | 53.4 | 38.8 | 52.7 | 50.6 |
| ND(M)90-1105 | 47.9 | 48.0 | 46.1 | 51.8 | 33.8 |
| ND(M)91-564 | 48.6 | 43.9 | 46.4 | 48.5 | 50.8 |
| ND(M)91-895 | 54.8 | 58.6 | 48.7 | 52.6 | 55.6 |
| ND(M)91-997 | 53.5 | 49.9 | 53.8 | 52.5 | 53.6 |
| ND(M)91-1037 | 49.3 | 44.8 | 39.8 | 50.4 | 47.4 |
| ND(M)91-1354 | 54.6 | 49.3 | 50.4 | 57.8 | 55.7 |
| SD93-587 | 49.6 | 50.4 | 45.5 | 48.0 | 50.1 |
| SD93-719 | 50.6 | 51.0 | 42.2 | 48.7 | 48.2 |
| SD93-1020 | 51.5 | 55.2 | 50.9 | 48.8 | 49.0 |
| SD(M)91-1574 | 51.8 | 52.4 | 44.4 | 55.2 | 46.8 |
| SD(M)92-1233 | 55.9 | 54.2 | 48.7 | 57.0 | 54.0 |
| SD(M)92-1272 | 52.4 | 50.4 | 45.9 | 55.8 | 50.2 |
| SD(M)93-256 | 49.2 | 44.8 | 45.0 | 47.4 | 49.3 |
| SD(M)93-907 | 51.1 | 45.7 | 49.6 | 51.8 | 47.5 |
| SD(M)93-954 | 51.5 | 44.1 | 48.3 | 52.3 | 46.3 |
| C.V. (%) | | 14.9 | 11.9 | 6.4 | 12.8 |
| L.S.D. (5%) | | 12.2 | 9.2 | 5.3 | 12.0 |
| Row Sp. (In.) | | 10 | 10 | 30 | |
| Rows/Plot | | 10 | 10 | 4 | |
| Reps | | 3 | 3 | 3 | |

UNIFORM TEST 0, 1995

YIELD (bu/a)

| Strain | Ottawa Ont. | Woodstock Ont. | Brookings SD | Watertown SD |
|---------------|----------------|-------------------|-----------------|-----------------|
| Agassiz (E) | 65.7 | 53.2 | 37.5 | 40.8 |
| Lambert (O) | 71.5 | 63.3 | 43.2 | 46.1 |
| Parker (I) | 71.2 | 65.6 | 49.6 | 46.0 |
| M90-916 | 66.5 | 59.3 | 43.9 | 46.4 |
| M90-1573 | 59.9 | 64.3 | 44.7 | 39.6 |
| M90-1712 | 63.4 | 63.6 | 47.6 | 43.6 |
| M91-189 | 69.5 | 66.8 | 39.5 | 43.8 |
| M91-201 | 57.9 | 55.5 | 38.6 | 44.6 |
| M91-228 | 62.0 | 59.6 | 40.6 | 46.0 |
| M91-557 | 60.9 | 63.4 | 42.3 | 44.9 |
| M91-560 | 61.1 | 56.6 | 37.2 | 43.4 |
| M91-745 | 60.7 | 62.0 | 38.8 | 42.6 |
| M91-759 | 61.4 | 64.5 | 46.0 | 48.3 |
| M91-802 | 65.4 | 59.8 | 44.5 | 47.1 |
| M91-821 | 62.1 | 69.1 | 47.2 | 50.9 |
| M91-824 | 64.8 | 63.6 | 41.2 | 42.9 |
| M91-833 | 53.7 | 62.1 | 45.2 | 43.6 |
| M91-846 | 65.4 | 61.4 | 46.0 | 43.6 |
| M91-1068 | 60.4 | 62.7 | 44.2 | 42.0 |
| M91-1099 | 59.0 | 58.4 | 39.2 | 43.8 |
| M91-1135 | 60.9 | 60.1 | 42.8 | 41.9 |
| M91-1195 | 59.8 | 66.1 | 45.4 | 45.3 |
| M91-1416 | 67.2 | 70.6 | 49.3 | 47.2 |
| M91-1644 | 68.3 | 63.5 | 43.8 | 40.5 |
| M91-2104 | 66.5 | 59.4 | 42.1 | 42.8 |
| ND91-2317 | 55.6 | 48.7 | 32.2 | 33.6 |
| ND91-2327 | 49.6 | 50.5 | 30.6 | 29.9 |
| ND91-2330 | 52.7 | 50.0 | 35.6 | 39.6 |
| ND(M)89-111 | 54.3 | 59.9 | 42.1 | 50.6 |
| ND(M)89-556 | 61.1 | 59.0 | 39.2 | 49.4 |
| ND(M)90-461 | 57.4 | 42.2 | 36.8 | 45.4 |
| ND(M)90-547 | 51.3 | 58.8 | 34.9 | 44.7 |
| ND(M)90-599 | 56.3 | 59.1 | 33.5 | 47.1 |
| ND(M)90-722 | 67.1 | 66.4 | 43.8 | 50.7 |
| ND(M)90-754 | 59.4 | 56.7 | 37.2 | 50.8 |
| ND(M)90-1105 | 60.2 | 58.0 | 40.7 | 44.6 |
| ND(M)91-564 | 64.5 | 57.0 | 36.7 | 41.3 |
| ND(M)91-895 | 65.8 | 66.3 | 40.3 | 50.1 |
| ND(M)91-997 | 69.3 | 60.7 | 41.1 | 46.9 |
| ND(M)91-1037 | 71.3 | 63.4 | 34.8 | 42.3 |
| ND(M)91-1354 | 69.3 | 60.4 | 43.0 | 51.2 |
| SD93-587 | 58.9 | 56.8 | 42.0 | 44.8 |
| SD93-719 | 63.2 | 63.0 | 41.8 | 47.0 |
| SD93-1020 | 54.0 | 62.7 | 48.6 | 42.6 |
| SD(M)91-1574 | 65.5 | 61.8 | 43.6 | 44.7 |
| SD(M)92-1233 | 65.8 | 67.3 | 50.6 | 49.3 |
| SD(M)92-1272 | 62.7 | 62.9 | 43.2 | 48.4 |
| SD(M)93-256 | 62.3 | 59.4 | 41.4 | 43.7 |
| SD(M)93-907 | 63.2 | 62.7 | 43.3 | 45.1 |
| SD(M)93-954 | 62.9 | 65.4 | 45.5 | 47.1 |
| C.V. (%) | 9.1 | 7.2 | 8.6 | 7.2 |
| L.S.D. (5%) | 5.8 | 6.0 | 4.8 | 4.3 |
| Row Sp. (In.) | 16 | 15 | 30 | 30 |
| Rows/Plot | 4 | 4 | 4 | 4 |
| Reps | 3 | 4 | 3 | 3 |

UNIFORM TEST 0, 1995

YIELD RANK

| Strain | Yield Rank | Morris MN | Rosemount MN | Casselton ND | Saint Cesaire Quebec |
|--------------|------------|-----------|--------------|--------------|----------------------|
| Agassiz (E) | 43 | 39 | 45 | 25 | 24 |
| Lambert (O) | 8 | 6 | 21 | 10 | 20 |
| Parker (I) | 4 | 14 | 11 | 8 | 15 |
| M90-916 | 19 | 2 | 29 | 32 | 48 |
| M90-1573 | 23 | 23 | 13 | 30 | 17 |
| M90-1712 | 17 | 14 | 8 | 33 | 47 |
| M91-189 | 13 | 21 | 6 | 6 | 32 |
| M91-201 | 46 | 50 | 48 | 35 | 29 |
| M91-228 | 19 | 24 | 12 | 22 | 6 |
| M91-557 | 28 | 22 | 13 | 48 | 38 |
| M91-560 | 42 | 49 | 18 | 29 | 44 |
| M91-745 | 39 | 48 | 31 | 41 | 33 |
| M91-759 | 11 | 10 | 9 | 19 | 26 |
| M91-802 | 17 | 36 | 19 | 33 | 7 |
| M91-821 | 1 | 9 | 4 | 10 | 3 |
| M91-824 | 28 | 34 | 16 | 13 | 45 |
| M91-833 | 24 | 7 | 28 | 4 | 39 |
| M91-846 | 13 | 3 | 10 | 39 | 16 |
| M91-1068 | 28 | 20 | 26 | 23 | 37 |
| M91-1099 | 31 | 7 | 23 | 28 | 30 |
| M91-1135 | 32 | 12 | 29 | 30 | 41 |
| M91-1195 | 5 | 1 | 1 | 12 | 22 |
| M91-1416 | 2 | 16 | 2 | 3 | 14 |
| M91-1644 | 9 | 5 | 3 | 6 | 18 |
| M91-2104 | 24 | 31 | 21 | 36 | 9 |
| ND91-2317 | 48 | 35 | 47 | 49 | 46 |
| ND91-2327 | 50 | 42 | 38 | 50 | 40 |
| ND91-2330 | 47 | 38 | 49 | 45 | 34 |
| ND(M)89-111 | 37 | 29 | 43 | 25 | 36 |
| ND(M)89-556 | 38 | 32 | 42 | 39 | 43 |
| ND(M)90-461 | 49 | 42 | 50 | 44 | 49 |
| ND(M)90-547 | 44 | 45 | 7 | 47 | 35 |
| ND(M)90-599 | 44 | 45 | 33 | 25 | 42 |
| ND(M)90-722 | 10 | 18 | 33 | 17 | 11 |
| ND(M)90-754 | 33 | 17 | 46 | 14 | 10 |
| ND(M)90-1105 | 41 | 33 | 33 | 20 | 50 |
| ND(M)91-564 | 39 | 47 | 32 | 41 | 8 |
| ND(M)91-895 | 6 | 4 | 24 | 15 | 2 |
| ND(M)91-997 | 11 | 28 | 4 | 16 | 5 |
| ND(M)91-1037 | 35 | 40 | 44 | 24 | 27 |
| ND(M)91-1354 | 7 | 30 | 17 | 1 | 1 |
| SD93-587 | 34 | 26 | 37 | 43 | 13 |
| SD93-719 | 27 | 24 | 41 | 38 | 23 |
| SD93-1020 | 21 | 11 | 15 | 37 | 21 |
| SD(M)91-1574 | 16 | 19 | 40 | 8 | 25 |
| SD(M)92-1233 | 3 | 13 | 24 | 2 | 4 |
| SD(M)92-1272 | 15 | 26 | 36 | 5 | 12 |
| SD(M)93-256 | 36 | 40 | 39 | 46 | 19 |
| SD(M)93-907 | 24 | 37 | 19 | 20 | 25 |
| SD(M)93-954 | 21 | 42 | 27 | 18 | 31 |

UNIFORM TEST 0, 1995

YIELD RANK

| Strain | Ottawa Ont. | Woodstock Ont. | Brookings SD | Watertown SD |
|--------------|----------------|-------------------|-----------------|-----------------|
| Agassiz (E) | | 46 | 40 | 45 |
| Lambert (O) | | 17 | 20 | 18 |
| Parker (I) | | 8 | 2 | 19 |
| M90-916 | | 35 | 15 | 17 |
| M90-1573 | | 11 | 12 | 47 |
| M90-1712 | | 12 | 5 | 33 |
| M91-189 | | 4 | 35 | 30 |
| M91-201 | | 45 | 39 | 28 |
| M91-228 | | 32 | 33 | 19 |
| M91-557 | | 15 | 24 | 24 |
| M91-560 | | 44 | 41 | 36 |
| M91-745 | | 24 | 38 | 39 |
| M91-759 | | 10 | 7 | 10 |
| M91-802 | | 31 | 13 | 12 |
| M91-821 | | 2 | 6 | 2 |
| M91-824 | | 12 | 30 | 37 |
| M91-833 | | 23 | 11 | 33 |
| M91-846 | | 26 | 7 | 33 |
| M91-1068 | | 20 | 14 | 42 |
| M91-1099 | | 39 | 36 | 30 |
| M91-1135 | | 29 | 23 | 43 |
| M91-1195 | | 7 | 10 | 22 |
| M91-1416 | | 1 | 3 | 11 |
| M91-1644 | | 14 | 16 | 46 |
| M91-2104 | | 33 | 25 | 38 |
| ND91-2317 | | 49 | 49 | 47 |
| ND91-2327 | | 47 | 50 | 50 |
| ND91-2330 | | 48 | 45 | 47 |
| ND(M)89-111 | | 30 | 25 | 5 |
| ND(M)89-556 | | 37 | 36 | 7 |
| ND(M)90-461 | | 50 | 43 | 21 |
| ND(M)90-547 | | 38 | 46 | 26 |
| ND(M)90-599 | | 36 | 48 | 12 |
| ND(M)90-722 | | 5 | 16 | 4 |
| ND(M)90-754 | | 43 | 41 | 3 |
| ND(M)90-1105 | | 40 | 32 | 28 |
| ND(M)91-564 | | 41 | 44 | 44 |
| ND(M)91-895 | | 6 | 34 | 6 |
| ND(M)91-997 | | 27 | 31 | 16 |
| ND(M)91-1037 | | 15 | 47 | 41 |
| ND(M)91-1354 | | 28 | 22 | 1 |
| SD93-587 | | 42 | 27 | 25 |
| SD93-719 | | 18 | 28 | 15 |
| SD93-1020 | | 20 | 4 | 39 |
| SD(M)91-1574 | | 25 | 18 | 26 |
| SD(M)92-1233 | | 3 | 1 | 8 |
| SD(M)92-1272 | | 19 | 20 | 9 |
| SD(M)93-256 | | 33 | 29 | 32 |
| SD(M)93-907 | | 20 | 19 | 23 |
| SD(M)93-954 | | 9 | 9 | 12 |

UNIFORM TEST 0, 1995

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MATURITY (date)

| Strain | Mean 6 Tests | Morris MN | Rosemount MN | Casselton ND | Saint Cesaire Quebec |
|----------------|--------------------|--------------|-----------------|-----------------|----------------------------|
| Agassiz (E) | -6.5 | -3 | -6 | -8 | |
| Lambert (O) | 09/16 | 09/22 | 09/06 | 09/20 | |
| Parker (I) | 9.2 | 3 | 15 | 12 | |
| M90-916 | 2.3 | 0 | 2 | 6 | |
| M90-1573 | 5.7 | 6 | 4 | 8 | |
| M90-1712 | 4.7 | 6 | 5 | 7 | |
| M91-189 | 4.0 | 2 | 5 | 7 | |
| M91-201 | -2.3 | -1 | -1 | -3 | |
| M91-228 | 2.0 | 4 | 4 | 1 | |
| M91-557 | 0.8 | -1 | 4 | -3 | |
| M91-560 | -3.0 | -4 | -2 | -5 | |
| M91-745 | 2.0 | 2 | 3 | 4 | |
| M91-759 | 2.3 | 1 | 4 | 3 | |
| M91-802 | 3.2 | 0 | 4 | 8 | |
| M91-821 | 3.2 | 0 | 2 | 9 | |
| M91-824 | 2.7 | -6 | 7 | 5 | |
| M91-833 | 8.0 | 6 | 13 | 10 | |
| M91-846 | 5.5 | 4 | 8 | 9 | |
| M91-1068 | 7.7 | 7 | 11 | 12 | |
| M91-1099 | 1.8 | 0 | 2 | 4 | |
| M91-1135 | 6.0 | 6 | 9 | 11 | |
| M91-1195 | 8.2 | 8 | 11 | 12 | |
| M91-1416 | 7.3 | 6 | 10 | 11 | |
| M91-1644 | 5.8 | 6 | 9 | 9 | |
| M91-2104 | 6.0 | 6 | 9 | 10 | |
| ND91-2317 | 1.5 | -1 | 0 | 4 | |
| ND91-2327 | 2.7 | -6 | 6 | 8 | |
| ND91-2330 | -1.5 | -8 | -1 | 4 | |
| ND(M)89-111 | -4.0 | -4 | -2 | -6 | |
| ND(M)89-556 | -3.5 | -3 | -2 | -4 | |
| ND(M)90-461 | -6.3 | -4 | -7 | -7 | |
| ND(M)90-547 | -3.7 | -3 | -2 | -6 | |
| ND(M)90-599 | -2.3 | -1 | -2 | -4 | |
| ND(M)90-722 | -1.5 | -1 | -2 | -2 | |
| ND(M)90-754 | -3.5 | -3 | -2 | -7 | |
| ND(M)90-1105 | -0.3 | -1 | -1 | -2 | |
| ND(M)91-564 | -4.5 | -4 | -2 | -8 | |
| ND(M)91-895 | -1.5 | -3 | 0 | -3 | |
| ND(M)91-997 | 2.3 | 0 | 1 | 7 | |
| ND(M)91-1037 | -0.5 | -3 | 3 | 0 | |
| ND(M)91-1354 | -1.3 | -10 | -1 | 3 | |
| SD93-587 | 3.3 | 1 | 7 | 4 | |
| SD93-719 | 5.7 | 2 | 9 | 8 | |
| SD93-1020 | 9.5 | 8 | 12 | 12 | |
| SD(M)91-1574 | 5.7 | 4 | 8 | 7 | |
| SD(M)92-1233 | 4.5 | -1 | 7 | 9 | |
| SD(M)92-1272 | 5.3 | 6 | 8 | 8 | |
| SD(M)93-256 | 6.8 | 1 | 11 | 10 | |
| SD(M)93-907 | 8.5 | 1 | 12 | 12 | |
| SD(M)93-954 | 3.3 | 0 | 7 | 5 | |
| Date Planted | 05/15 | 05/19 | 05/04 | 05/19 | |
| Days to Mature | 123.8 | 126 | 125 | 124 | |

UNIFORM TEST 0, 1995

MATURITY (date)

| Strain | Ottawa Ont. | Woodstock Ont. | Brookings SD | Watertown SD |
|----------------|----------------|-------------------|-----------------|-----------------|
| Agassiz (E) | -7 | -7 | -8 | |
| Lambert (O) | 09/21 | 09/14 | 09/16 | |
| Parker (I) | 10 | 5 | 10 | |
| M90-916 | 4 | 0 | 2 | |
| M90-1573 | 7 | 6 | 3 | |
| M90-1712 | 6 | 2 | 2 | |
| M91-189 | 4 | 3 | 3 | |
| M91-201 | -5 | -3 | -1 | |
| M91-228 | 1 | 0 | 2 | |
| M91-557 | 2 | 1 | 2 | |
| M91-560 | -3 | -2 | -2 | |
| M91-745 | 1 | 0 | 2 | |
| M91-759 | 2 | 2 | 2 | |
| M91-802 | 5 | 1 | 1 | |
| M91-821 | 4 | 2 | 2 | |
| M91-824 | 6 | 1 | 3 | |
| M91-833 | 9 | 2 | 8 | |
| M91-846 | 5 | 3 | 4 | |
| M91-1068 | 8 | 4 | 4 | |
| M91-1099 | 3 | 0 | 2 | |
| M91-1135 | 6 | 2 | 2 | |
| M91-1195 | 8 | 7 | 3 | |
| M91-1416 | 8 | 6 | 3 | |
| M91-1644 | 6 | 3 | 2 | |
| M91-2104 | 7 | 1 | 3 | |
| ND91-2317 | 2 | 3 | 1 | |
| ND91-2327 | 2 | 4 | 2 | |
| ND91-2330 | -4 | 0 | 0 | |
| ND(M)89-111 | -6 | -4 | -2 | |
| ND(M)89-556 | -5 | -3 | -4 | |
| ND(M)90-461 | -7 | -8 | -5 | |
| ND(M)90-547 | -4 | -2 | -5 | |
| ND(M)90-599 | -1 | -1 | -5 | |
| ND(M)90-722 | -4 | 0 | 0 | |
| ND(M)90-754 | -6 | -3 | 0 | |
| ND(M)90-1105 | 1 | 0 | 1 | |
| ND(M)91-564 | -6 | -3 | -4 | |
| ND(M)91-895 | -1 | -1 | -1 | |
| ND(M)91-997 | 3 | 1 | 2 | |
| ND(M)91-1037 | 1 | 0 | -4 | |
| ND(M)91-1354 | 1 | -1 | 0 | |
| SD93-587 | 6 | 0 | 2 | |
| SD93-719 | 8 | 5 | 2 | |
| SD93-1020 | 9 | 8 | 8 | |
| SD(M)91-1574 | 6 | 5 | 4 | |
| SD(M)92-1233 | 7 | 3 | 2 | |
| SD(M)92-1272 | 8 | 0 | 2 | |
| SD(M)93-256 | 8 | 7 | 4 | |
| SD(M)93-907 | 11 | 7 | 8 | |
| SD(M)93-954 | 4 | 2 | 2 | |
| Date Planted | 05/25 | 05/23 | 05/04 | |
| Days to Mature | 119 | 114 | 135 | |

UNIFORM TEST 0, 1995

LODGING (score)

| Strain | Mean 8 Tests | Morris MN | Rosemount MN | Casselton ND | Saint Cesaire Quebec |
|--------------|--------------------|--------------|-----------------|-----------------|----------------------------|
| Agassiz (E) | 1.6 | 1.0 | 2.3 | 1.0 | 1.5 |
| Lambert (O) | 1.6 | 1.3 | 2.7 | 1.0 | 1.5 |
| Parker (I) | 2.6 | 2.7 | 3.0 | 2.3 | 2.5 |
| M90-916 | 2.0 | 1.0 | 3.0 | 2.0 | 1.0 |
| M90-1573 | 1.5 | 1.0 | 2.3 | 1.0 | 1.0 |
| M90-1712 | 1.7 | 1.0 | 3.0 | 1.3 | 2.0 |
| M91-189 | 1.6 | 1.3 | 2.3 | 1.0 | 1.5 |
| M91-201 | 1.3 | 1.3 | 1.3 | 1.0 | 1.5 |
| M91-228 | 1.9 | 1.7 | 3.3 | 2.0 | 2.0 |
| M91-557 | 1.7 | 1.0 | 3.0 | 1.0 | 2.0 |
| M91-560 | 1.5 | 1.0 | 2.3 | 1.0 | 1.5 |
| M91-745 | 1.8 | 1.7 | 2.3 | 1.7 | 2.0 |
| M91-759 | 1.8 | 1.3 | 2.0 | 1.3 | 2.0 |
| M91-802 | 1.6 | 1.3 | 2.0 | 1.3 | 2.0 |
| M91-821 | 1.7 | 1.0 | 2.7 | 1.7 | 2.0 |
| M91-824 | 2.0 | 1.0 | 2.3 | 2.0 | 2.0 |
| M91-833 | 1.9 | 1.7 | 2.3 | 1.0 | 1.0 |
| M91-846 | 2.1 | 1.3 | 2.3 | 2.0 | 2.0 |
| M91-1068 | 1.9 | 1.7 | 2.3 | 1.3 | 2.5 |
| M91-1099 | 1.4 | 1.0 | 2.0 | 1.0 | 1.5 |
| M91-1135 | 1.5 | 1.3 | 1.7 | 1.0 | 1.5 |
| M91-1195 | 1.8 | 1.0 | 2.3 | 1.0 | 2.0 |
| M91-1416 | 1.9 | 2.0 | 2.3 | 1.3 | 1.5 |
| M91-1644 | 2.4 | 2.7 | 3.0 | 1.7 | 3.0 |
| M91-2104 | 2.0 | 1.7 | 2.3 | 1.0 | 2.0 |
| ND91-2317 | 3.3 | 2.7 | 4.7 | 2.3 | 2.0 |
| ND91-2327 | 3.2 | 2.0 | 4.0 | 3.0 | 3.5 |
| ND91-2330 | 4.0 | 2.7 | 5.0 | 3.7 | 5.0 |
| ND(M)89-111 | 1.6 | 1.0 | 3.0 | 1.0 | 2.0 |
| ND(M)89-556 | 1.5 | 1.0 | 2.3 | 1.7 | 1.0 |
| ND(M)90-461 | 1.2 | 1.3 | 2.3 | 1.0 | 1.0 |
| ND(M)90-547 | 1.4 | 1.0 | 2.7 | 1.3 | 2.0 |
| ND(M)90-599 | 1.6 | 1.0 | 3.0 | 1.3 | 1.5 |
| ND(M)90-722 | 1.5 | 1.0 | 2.3 | 1.3 | 2.0 |
| ND(M)90-754 | 1.5 | 1.0 | 3.0 | 1.3 | 2.0 |
| ND(M)90-1105 | 1.4 | 1.0 | 1.7 | 1.0 | 1.5 |
| ND(M)91-564 | 1.1 | 1.0 | 1.7 | 1.0 | 1.0 |
| ND(M)91-895 | 1.9 | 1.0 | 2.7 | 1.3 | 2.0 |
| ND(M)91-997 | 1.4 | 1.0 | 2.0 | 1.3 | 1.0 |
| ND(M)91-1037 | 1.2 | 1.0 | 1.7 | 1.0 | 1.0 |
| ND(M)91-1354 | 1.4 | 0.7 | 2.3 | 1.3 | 1.0 |
| SD93-587 | 1.4 | 1.0 | 1.3 | 1.0 | 1.5 |
| SD93-719 | 1.6 | 1.0 | 1.7 | 1.7 | 1.5 |
| SD93-1020 | 2.1 | 2.7 | 2.0 | 1.0 | 2.0 |
| SD(M)91-1574 | 1.4 | 1.3 | 2.0 | 1.0 | 1.0 |
| SD(M)92-1233 | 1.5 | 1.0 | 1.3 | 1.0 | 2.0 |
| SD(M)92-1272 | 1.7 | 1.0 | 1.7 | 1.7 | 2.5 |
| SD(M)93-256 | 1.6 | 1.3 | 2.0 | 1.0 | 2.0 |
| SD(M)93-907 | 1.9 | 2.3 | 2.0 | 1.7 | 2.0 |
| SD(M)93-954 | 1.2 | 1.0 | 1.3 | 1.0 | 1.5 |

UNIFORM TEST 0, 1995

LODGING (score)

| Strain | Ottawa Ont. | Woodstock Ont. | Brookings SD | Watertown SD |
|--------------|----------------|-------------------|-----------------|-----------------|
| Agassiz (E) | 2.3 | 1.3 | 1.0 | 2.0 |
| Lambert (O) | 2.6 | 1.3 | 1.0 | 1.0 |
| Parker (I) | 4.0 | 2.0 | 2.0 | 2.0 |
| M90-916 | 2.9 | 1.8 | 2.0 | 2.0 |
| M90-1573 | 2.3 | 1.4 | 1.0 | 2.0 |
| M90-1712 | 2.5 | 1.0 | 1.0 | 2.0 |
| M91-189 | 2.4 | 1.3 | 1.0 | 2.0 |
| M91-201 | 1.0 | 1.1 | 1.0 | 2.0 |
| M91-228 | 1.8 | 2.0 | 1.0 | 1.0 |
| M91-557 | 2.3 | 1.5 | 1.0 | 2.0 |
| M91-560 | 1.9 | 1.6 | 1.0 | 2.0 |
| M91-745 | 2.4 | 1.5 | 1.0 | 2.0 |
| M91-759 | 2.6 | 1.9 | 1.0 | 2.0 |
| M91-802 | 2.4 | 1.0 | 1.0 | 2.0 |
| M91-821 | 2.5 | 1.6 | 1.0 | 1.0 |
| M91-824 | 3.6 | 1.4 | 2.0 | 2.0 |
| M91-833 | 3.9 | 1.0 | 2.0 | 2.0 |
| M91-846 | 3.3 | 1.6 | 2.0 | 2.0 |
| M91-1068 | 3.1 | 1.4 | 2.0 | 1.0 |
| M91-1099 | 2.1 | 1.5 | 1.0 | 1.0 |
| M91-1135 | 2.3 | 1.0 | 2.0 | 1.0 |
| M91-1195 | 2.5 | 1.5 | 3.0 | 1.0 |
| M91-1416 | 3.0 | 1.3 | 2.0 | 2.0 |
| M91-1644 | 3.1 | 1.6 | 2.0 | 2.0 |
| M91-2104 | 3.3 | 1.6 | 2.0 | 2.0 |
| ND91-2317 | 3.9 | 3.4 | 3.0 | 4.0 |
| ND91-2327 | 3.4 | 3.8 | 3.0 | 3.0 |
| ND91-2330 | 4.6 | 4.3 | 3.0 | 4.0 |
| ND(M)89-111 | 1.0 | 2.0 | 1.0 | 2.0 |
| ND(M)89-556 | 1.8 | 1.0 | 1.0 | 2.0 |
| ND(M)90-461 | 1.0 | 1.1 | 1.0 | 1.0 |
| ND(M)90-547 | 1.0 | 1.0 | 1.0 | 1.0 |
| ND(M)90-599 | 1.8 | 1.3 | 1.0 | 2.0 |
| ND(M)90-722 | 2.3 | 1.3 | 1.0 | 1.0 |
| ND(M)90-754 | 1.4 | 1.1 | 1.0 | 1.0 |
| ND(M)90-1105 | 1.5 | 1.1 | 1.0 | 2.0 |
| ND(M)91-564 | 1.4 | 1.0 | 1.0 | 1.0 |
| ND(M)91-895 | 2.4 | 1.8 | 2.0 | 2.0 |
| ND(M)91-997 | 2.6 | 1.3 | 1.0 | 1.0 |
| ND(M)91-1037 | 1.6 | 1.0 | 1.0 | 1.0 |
| ND(M)91-1354 | 2.3 | 1.4 | 1.0 | 1.0 |
| SD93-587 | 3.0 | 1.0 | 1.0 | 1.0 |
| SD93-719 | 3.0 | 1.1 | 1.0 | 2.0 |
| SD93-1020 | 3.9 | 1.9 | 1.0 | 2.0 |
| SD(M)91-1574 | 2.4 | 1.4 | 1.0 | 1.0 |
| SD(M)92-1233 | 3.9 | 1.0 | 1.0 | 1.0 |
| SD(M)92-1272 | 3.4 | 1.3 | 1.0 | 1.0 |
| SD(M)93-256 | 3.5 | 1.1 | 1.0 | 1.0 |
| SD(M)93-907 | 4.0 | 1.4 | 1.0 | 1.0 |
| SD(M)93-954 | 1.4 | 1.0 | 1.0 | 1.0 |

UNIFORM TEST 0, 1995

PLANT HEIGHT (inches)

| Strain | Mean 8 Tests | Morris MN | Rosemount MN | Casselton ND | Saint Cesaire Quebec |
|--------------|--------------------|--------------|-----------------|-----------------|----------------------------|
| Agassiz (E) | 29 | 21 | 34 | 34 | 30 |
| Lambert (O) | 32 | 26 | 37 | 39 | 30 |
| Parker (I) | 38 | 28 | 46 | 38 | 41 |
| M90-916 | 39 | 35 | 46 | 39 | 32 |
| M90-1573 | 33 | 29 | 39 | 33 | 30 |
| M90-1712 | 34 | 28 | 41 | 38 | 32 |
| M91-189 | 34 | 27 | 40 | 36 | 32 |
| M91-201 | 26 | 21 | 30 | 32 | 27 |
| M91-228 | 32 | 26 | 40 | 35 | 30 |
| M91-557 | 33 | 26 | 40 | 35 | 33 |
| M91-560 | 29 | 23 | 36 | 32 | 24 |
| M91-745 | 34 | 22 | 44 | 37 | 33 |
| M91-759 | 38 | 30 | 44 | 41 | 39 |
| M91-802 | 34 | 21 | 40 | 37 | 34 |
| M91-821 | 33 | 27 | 41 | 37 | 31 |
| M91-824 | 36 | 19 | 43 | 42 | 34 |
| M91-833 | 39 | 36 | 44 | 41 | 41 |
| M91-846 | 38 | 31 | 41 | 40 | 35 |
| M91-1068 | 36 | 28 | 41 | 38 | 32 |
| M91-1099 | 36 | 32 | 42 | 41 | 33 |
| M91-1135 | 35 | 29 | 39 | 35 | 30 |
| M91-1195 | 37 | 33 | 44 | 38 | 35 |
| M91-1416 | 32 | 28 | 38 | 34 | 30 |
| M91-1644 | 35 | 27 | 42 | 36 | 38 |
| M91-2104 | 38 | 32 | 45 | 38 | 39 |
| ND91-2317 | 29 | 23 | 32 | 31 | 28 |
| ND91-2327 | 28 | 14 | 35 | 34 | 31 |
| ND91-2330 | 29 | 14 | 33 | 35 | 28 |
| ND(M)89-111 | 30 | 25 | 35 | 32 | 30 |
| ND(M)89-556 | 30 | 25 | 36 | 37 | 26 |
| ND(M)90-461 | 26 | 18 | 31 | 31 | 25 |
| ND(M)90-547 | 28 | 20 | 42 | 31 | 24 |
| ND(M)90-599 | 29 | 23 | 36 | 34 | 27 |
| ND(M)90-722 | 31 | 24 | 32 | 37 | 31 |
| ND(M)90-754 | 30 | 27 | 34 | 34 | 29 |
| ND(M)90-1105 | 30 | 23 | 38 | 38 | 29 |
| ND(M)91-564 | 26 | 21 | 30 | 28 | 25 |
| ND(M)91-895 | 34 | 31 | 41 | 34 | 33 |
| ND(M)91-997 | 33 | 22 | 38 | 40 | 31 |
| ND(M)91-1037 | 30 | 25 | 35 | 31 | 29 |
| ND(M)91-1354 | 29 | 18 | 35 | 37 | 26 |
| SD93-587 | 33 | 27 | 40 | 35 | 31 |
| SD93-719 | 37 | 32 | 44 | 41 | 32 |
| SD93-1020 | 35 | 30 | 40 | 35 | 35 |
| SD(M)91-1574 | 31 | 26 | 35 | 35 | 29 |
| SD(M)92-1233 | 32 | 27 | 37 | 36 | 30 |
| SD(M)92-1272 | 36 | 28 | 40 | 39 | 38 |
| SD(M)93-256 | 37 | 26 | 43 | 42 | 38 |
| SD(M)93-907 | 34 | 20 | 40 | 37 | 36 |
| SD(M)93-954 | 30 | 22 | 36 | 37 | 28 |

UNIFORM TEST 0, 1995

PLANT HEIGHT (inches)

| Strain | Ottawa Ont. | Woodstock Ont. | Brookings SD | Watertown SD |
|--------------|----------------|-------------------|-----------------|-----------------|
| Agassiz (E) | 35 | 26 | 20 | 30 |
| Lambert (O) | 40 | 29 | 24 | 31 |
| Parker (I) | 53 | 34 | 31 | 33 |
| M90-916 | 48 | 35 | 35 | 39 |
| M90-1573 | 37 | 31 | 30 | 31 |
| M90-1712 | 36 | 30 | 31 | 34 |
| M91-189 | 41 | 33 | 32 | 31 |
| M91-201 | 24 | 24 | 21 | 30 |
| M91-228 | 31 | 33 | 28 | 32 |
| M91-557 | 36 | 34 | 29 | 31 |
| M91-560 | 31 | 31 | 25 | 29 |
| M91-745 | 40 | 33 | 27 | 36 |
| M91-759 | 39 | 37 | 34 | 39 |
| M91-802 | 41 | 31 | 31 | 38 |
| M91-821 | 34 | 33 | 29 | 32 |
| M91-824 | 46 | 34 | 32 | 39 |
| M91-833 | 44 | 32 | 34 | 38 |
| M91-846 | 47 | 36 | 33 | 37 |
| M91-1068 | 44 | 33 | 33 | 36 |
| M91-1099 | 39 | 32 | 30 | 36 |
| M91-1135 | 43 | 30 | 34 | 37 |
| M91-1195 | 39 | 36 | 37 | 35 |
| M91-1416 | 37 | 30 | 30 | 30 |
| M91-1644 | 39 | 34 | 33 | 32 |
| M91-2104 | 44 | 33 | 32 | 37 |
| ND91-2317 | 36 | 27 | 21 | 31 |
| ND91-2327 | 31 | 30 | 22 | 30 |
| ND91-2330 | 34 | 30 | 25 | 32 |
| ND(M)89-111 | 25 | 33 | 29 | 31 |
| ND(M)89-556 | 29 | 28 | 26 | 31 |
| ND(M)90-461 | 24 | 21 | 24 | 31 |
| ND(M)90-547 | 23 | 26 | 29 | 31 |
| ND(M)90-599 | 29 | 28 | 26 | 31 |
| ND(M)90-722 | 35 | 37 | 22 | 30 |
| ND(M)90-754 | 28 | 28 | 25 | 32 |
| ND(M)90-1105 | 30 | 30 | 25 | 30 |
| ND(M)91-564 | 31 | 26 | 21 | 25 |
| ND(M)91-895 | 37 | 32 | 28 | 32 |
| ND(M)91-997 | 42 | 29 | 28 | 32 |
| ND(M)91-1037 | 33 | 30 | 25 | 29 |
| ND(M)91-1354 | 31 | 30 | 27 | 28 |
| SD93-587 | 38 | 29 | 33 | 32 |
| SD93-719 | 40 | 33 | 34 | 36 |
| SD93-1020 | 43 | 34 | 33 | 33 |
| SD(M)91-1574 | 38 | 30 | 25 | 31 |
| SD(M)92-1233 | 38 | 29 | 27 | 32 |
| SD(M)92-1272 | 43 | 31 | 31 | 34 |
| SD(M)93-256 | 45 | 31 | 32 | 36 |
| SD(M)93-907 | 43 | 33 | 30 | 32 |
| SD(M)93-954 | 31 | 29 | 28 | 30 |

UNIFORM TEST 0, 1995

SEED QUALITY (score)

| Strain | Mean 8 Tests | Morris MN | Rosemount MN | Casselton ND | Saint Cesaire Quebec |
|--------------|--------------------|--------------|-----------------|-----------------|----------------------------|
| Agassiz (E) | 1.9 | 2.7 | 2.3 | 2.0 | 1.0 |
| Lambert (O) | 1.8 | 2.7 | 2.7 | 2.0 | 1.0 |
| Parker (I) | 2.2 | 2.3 | 3.0 | 2.0 | 1.7 |
| M90-916 | 1.9 | 2.0 | 3.0 | 2.0 | 1.3 |
| M90-1573 | 1.7 | 1.7 | 2.0 | 1.0 | 1.3 |
| M90-1712 | 1.8 | 1.7 | 2.7 | 1.3 | 1.3 |
| M91-189 | 2.0 | 2.7 | 2.3 | 1.7 | 1.0 |
| M91-201 | 1.7 | 2.7 | 2.0 | 2.0 | 1.0 |
| M91-228 | 1.6 | 1.7 | 2.3 | 1.3 | 1.0 |
| M91-557 | 1.7 | 1.3 | 2.7 | 1.0 | 1.0 |
| M91-560 | 1.4 | 1.3 | 2.3 | 1.0 | 1.0 |
| M91-745 | 1.7 | 1.7 | 2.3 | 1.0 | 1.0 |
| M91-759 | 1.6 | 1.7 | 2.0 | 1.0 | 1.7 |
| M91-802 | 2.0 | 1.7 | 2.3 | 1.0 | 2.0 |
| M91-821 | 1.5 | 1.7 | 2.3 | 1.0 | 1.3 |
| M91-824 | 1.6 | 2.3 | 2.0 | 1.3 | 1.0 |
| M91-833 | 1.8 | 2.0 | 2.0 | 2.3 | 1.0 |
| M91-846 | 1.9 | 2.3 | 2.3 | 2.0 | 1.0 |
| M91-1068 | 2.1 | 2.3 | 2.7 | 1.3 | 1.0 |
| M91-1099 | 1.8 | 2.7 | 2.0 | 2.3 | 1.3 |
| M91-1135 | 2.2 | 2.7 | 2.7 | 2.0 | 1.3 |
| M91-1195 | 1.7 | 2.0 | 2.0 | 1.0 | 1.7 |
| M91-1416 | 1.9 | 1.7 | 2.3 | 1.0 | 1.3 |
| M91-1644 | 1.7 | 1.7 | 2.0 | 1.3 | 1.0 |
| M91-2104 | 1.8 | 1.7 | 2.3 | 1.3 | 1.7 |
| ND91-2317 | 1.4 | 1.3 | 1.7 | 1.0 | 1.0 |
| ND91-2327 | 1.6 | 2.3 | 3.0 | 1.3 | 1.0 |
| ND91-2330 | 1.5 | 2.0 | 1.3 | 1.0 | 1.0 |
| ND(M)89-111 | 1.7 | 2.7 | 2.7 | 1.3 | 1.0 |
| ND(M)89-556 | 1.6 | 2.7 | 2.3 | 1.0 | 1.0 |
| ND(M)90-461 | 1.8 | 2.7 | 2.0 | 1.0 | 1.3 |
| ND(M)90-547 | 1.9 | 2.3 | 2.0 | 2.0 | 1.0 |
| ND(M)90-599 | 1.7 | 1.3 | 1.7 | 2.0 | 1.3 |
| ND(M)90-722 | 1.7 | 2.7 | 2.3 | 1.3 | 1.0 |
| ND(M)90-754 | 1.5 | 1.7 | 2.7 | 2.0 | 1.0 |
| ND(M)90-1105 | 2.0 | 1.7 | 2.7 | 1.0 | 1.0 |
| ND(M)91-564 | 1.6 | 1.7 | 2.0 | 1.0 | 1.0 |
| ND(M)91-895 | 1.8 | 2.3 | 2.7 | 1.3 | 1.0 |
| ND(M)91-997 | 2.0 | 2.0 | 3.0 | 2.3 | 1.0 |
| ND(M)91-1037 | 1.6 | 2.3 | 2.0 | 1.7 | 1.0 |
| ND(M)91-1354 | 1.8 | 2.7 | 2.3 | 2.0 | 1.0 |
| SD93-587 | 1.8 | 2.3 | 2.7 | 1.0 | 1.0 |
| SD93-719 | 1.8 | 1.7 | 2.0 | 1.3 | 1.0 |
| SD93-1020 | 1.7 | 1.7 | 2.0 | 1.0 | 1.0 |
| SD(M)91-1574 | 1.8 | 2.0 | 2.0 | 1.7 | 1.0 |
| SD(M)92-1233 | 1.6 | 2.0 | 2.3 | 2.0 | 1.3 |
| SD(M)92-1272 | 1.4 | 1.3 | 1.3 | 1.0 | 1.0 |
| SD(M)93-256 | 1.6 | 1.7 | 1.7 | 2.0 | 1.0 |
| SD(M)93-907 | 2.0 | 1.7 | 2.3 | 2.0 | 2.0 |
| SD(M)93-954 | 1.8 | 2.0 | 2.0 | 2.0 | 1.0 |

UNIFORM TEST 0, 1995

SEED QUALITY (score)

| Strain | Ottawa Ont. | Woodstock Ont. | Brookings SD | Watertown SD |
|--------------|----------------|-------------------|-----------------|-----------------|
| Agassiz (E) | 2.0 | 1.5 | 2.0 | 2.0 |
| Lambert (O) | 1.8 | 1.5 | 1.0 | 2.0 |
| Parker (I) | 2.3 | 2.0 | 2.0 | 2.0 |
| M90-916 | 2.3 | 1.5 | 1.0 | 2.0 |
| M90-1573 | 2.0 | 1.5 | 2.0 | 2.0 |
| M90-1712 | 2.0 | 1.5 | 2.0 | 2.0 |
| M91-189 | 1.8 | 1.5 | 2.0 | 3.0 |
| M91-201 | 1.3 | 1.5 | 2.0 | 1.0 |
| M91-228 | 1.3 | 1.5 | 2.0 | 2.0 |
| M91-557 | 1.8 | 1.5 | 2.0 | 2.0 |
| M91-560 | 1.0 | 1.5 | 2.0 | 1.0 |
| M91-745 | 2.0 | 1.5 | 2.0 | 2.0 |
| M91-759 | 1.8 | 1.5 | 1.0 | 2.0 |
| M91-802 | 2.8 | 2.0 | 2.0 | 2.0 |
| M91-821 | 1.3 | 1.5 | 1.0 | 2.0 |
| M91-824 | 1.8 | 1.5 | 1.0 | 2.0 |
| M91-833 | 1.5 | 1.5 | 2.0 | 2.0 |
| M91-846 | 1.8 | 1.5 | 2.0 | 2.0 |
| M91-1068 | 2.3 | 2.0 | 2.0 | 3.0 |
| M91-1099 | 1.8 | 1.5 | 1.0 | 2.0 |
| M91-1135 | 2.5 | 1.5 | 3.0 | 2.0 |
| M91-1195 | 2.8 | 2.0 | 1.0 | 1.0 |
| M91-1416 | 2.0 | 1.5 | 3.0 | 2.0 |
| M91-1644 | 1.8 | 1.5 | 2.0 | 2.0 |
| M91-2104 | 2.0 | 1.5 | 2.0 | 2.0 |
| ND91-2317 | 1.5 | 1.5 | 1.0 | 2.0 |
| ND91-2327 | 1.8 | 1.5 | 1.0 | 1.0 |
| ND91-2330 | 1.5 | 1.5 | 2.0 | 2.0 |
| ND(M)89-111 | 1.0 | 1.5 | 2.0 | 1.0 |
| ND(M)89-556 | 1.5 | 1.5 | 2.0 | 1.0 |
| ND(M)90-461 | 1.8 | 1.5 | 2.0 | 2.0 |
| ND(M)90-547 | 2.0 | 1.5 | 2.0 | 2.0 |
| ND(M)90-599 | 2.0 | 1.5 | 2.0 | 2.0 |
| ND(M)90-722 | 1.0 | 1.5 | 3.0 | 1.0 |
| ND(M)90-754 | 1.0 | 1.5 | 1.0 | 1.0 |
| ND(M)90-1105 | 1.8 | 1.5 | 4.0 | 2.0 |
| ND(M)91-564 | 1.8 | 1.5 | 2.0 | 2.0 |
| ND(M)91-895 | 1.8 | 1.5 | 2.0 | 2.0 |
| ND(M)91-997 | 2.0 | 2.0 | 2.0 | 2.0 |
| ND(M)91-1037 | 1.3 | 1.5 | 2.0 | 1.0 |
| ND(M)91-1354 | 2.0 | 1.5 | 1.0 | 2.0 |
| SD93-587 | 1.8 | 1.5 | 2.0 | 2.0 |
| SD93-719 | 2.3 | 2.0 | 2.0 | 2.0 |
| SD93-1020 | 2.0 | 2.0 | 1.0 | 3.0 |
| SD(M)91-1574 | 2.3 | 1.5 | 2.0 | 2.0 |
| SD(M)92-1233 | 2.0 | 1.5 | 1.0 | 1.0 |
| SD(M)92-1272 | 2.0 | 1.5 | 2.0 | 1.0 |
| SD(M)93-256 | 1.8 | 1.5 | 1.0 | 2.0 |
| SD(M)93-907 | 2.8 | 1.5 | 2.0 | 2.0 |
| SD(M)93-954 | 1.8 | 1.5 | 2.0 | 2.0 |

UNIFORM TEST 0, 1995

SEED SIZE (g/100)

| Strain | Mean 8 Tests | Morris MN | Rosemount MN | Casselton ND | Saint Cesaire Quebec |
|--------------|--------------------|--------------|-----------------|-----------------|----------------------------|
| Agassiz (E) | 15.8 | 16.2 | 14.7 | 16.8 | 15.3 |
| Lambert (O) | 16.9 | 18.2 | 17.3 | 16.5 | 17.3 |
| Parker (I) | 18.1 | 19.5 | 18.6 | 19.3 | 17.4 |
| M90-916 | 18.2 | 20.0 | 19.5 | 20.2 | 17.6 |
| M90-1573 | 19.3 | 19.6 | 20.3 | 21.7 | 19.0 |
| M90-1712 | 17.5 | 17.9 | 18.7 | 18.8 | 17.2 |
| M91-189 | 21.9 | 22.8 | 24.2 | 24.8 | 20.6 |
| M91-201 | 16.1 | 16.9 | 16.6 | 18.3 | 15.5 |
| M91-228 | 18.1 | 20.0 | 19.2 | 18.6 | 18.0 |
| M91-557 | 16.8 | 16.5 | 17.7 | 17.5 | 17.0 |
| M91-560 | 16.6 | 16.7 | 16.7 | 17.3 | 17.1 |
| M91-745 | 14.7 | 14.9 | 15.2 | 16.6 | 14.4 |
| M91-759 | 19.0 | 20.6 | 21.0 | 20.6 | 17.9 |
| M91-802 | 20.2 | 19.7 | 20.3 | 22.2 | 20.3 |
| M91-821 | 17.1 | 17.6 | 18.0 | 17.8 | 17.4 |
| M91-824 | 18.3 | 18.1 | 20.2 | 20.7 | 17.7 |
| M91-833 | 16.3 | 15.5 | 18.2 | 17.7 | 18.5 |
| M91-846 | 16.9 | 17.5 | 18.3 | 18.5 | 16.2 |
| M91-1068 | 16.7 | 15.9 | 16.7 | 18.8 | 17.2 |
| M91-1099 | 15.6 | 16.5 | 15.4 | 18.0 | 15.6 |
| M91-1135 | 14.7 | 15.2 | 16.1 | 16.3 | 14.9 |
| M91-1195 | 19.8 | 21.4 | 21.8 | 20.8 | 19.5 |
| M91-1416 | 17.1 | 17.1 | 18.4 | 19.0 | 16.5 |
| M91-1644 | 16.0 | 16.8 | 17.0 | 17.2 | 16.0 |
| M91-2104 | 15.8 | 16.7 | 17.3 | 16.2 | 15.6 |
| ND91-2317 | 10.2 | 10.4 | 10.4 | 9.9 | 11.1 |
| ND91-2327 | 12.3 | 13.0 | 14.1 | 12.4 | 12.3 |
| ND91-2330 | 10.1 | 10.6 | 10.1 | 10.5 | 10.7 |
| ND(M)89-111 | 16.6 | 16.4 | 16.7 | 16.8 | 16.6 |
| ND(M)89-556 | 17.0 | 18.8 | 16.9 | 16.8 | 17.2 |
| ND(M)90-461 | 16.6 | 16.8 | 15.8 | 16.1 | 16.2 |
| ND(M)90-547 | 18.4 | 18.9 | 17.8 | 19.0 | 18.8 |
| ND(M)90-599 | 18.5 | 18.6 | 18.1 | 19.3 | 19.2 |
| ND(M)90-722 | 17.4 | 17.8 | 16.4 | 18.5 | 16.8 |
| ND(M)90-754 | 18.2 | 19.5 | 17.6 | 19.8 | 18.2 |
| ND(M)90-1105 | 16.8 | 17.6 | 16.4 | 17.5 | 17.0 |
| ND(M)91-564 | 17.2 | 18.1 | 16.9 | 17.2 | 16.3 |
| ND(M)91-895 | 18.0 | 19.6 | 19.0 | 18.0 | 17.8 |
| ND(M)91-997 | 17.3 | 15.9 | 17.4 | 19.2 | 17.1 |
| ND(M)91-1037 | 18.0 | 18.4 | 17.2 | 19.1 | 18.0 |
| ND(M)91-1354 | 17.1 | 17.3 | 17.5 | 18.4 | 17.7 |
| SD93-587 | 18.1 | 17.2 | 21.0 | 19.3 | 17.9 |
| SD93-719 | 21.5 | 21.8 | 22.7 | 22.7 | 22.1 |
| SD93-1020 | 17.7 | 18.6 | 19.9 | 19.6 | 17.5 |
| SD(M)91-1574 | 19.6 | 19.1 | 19.7 | 22.6 | 17.3 |
| SD(M)92-1233 | 20.4 | 20.3 | 21.4 | 22.4 | 19.2 |
| SD(M)92-1272 | 17.6 | 18.0 | 18.4 | 19.6 | 16.7 |
| SD(M)93-256 | 21.5 | 21.0 | 23.8 | 21.8 | 21.2 |
| SD(M)93-907 | 19.0 | 19.2 | 20.5 | 20.1 | 17.8 |
| SD(M)93-954 | 19.9 | 20.1 | 21.5 | 20.8 | 18.9 |

UNIFORM TEST 0, 1995

SEED SIZE (g/100)

| Strain | Ottawa Ont. | Woodstock Ont. | Brookings SD | Watertown SD |
|--------------|----------------|-------------------|-----------------|-----------------|
| Agassiz (E) | 14.9 | 15.8 | 15.0 | 17.5 |
| Lambert (O) | 16.5 | 18.3 | 15.5 | 15.5 |
| Parker (I) | 16.5 | 18.3 | 18.0 | 17.5 |
| M90-916 | 16.2 | 18.3 | 17.0 | 16.5 |
| M90-1573 | 17.0 | 20.2 | 19.0 | 17.5 |
| M90-1712 | 15.7 | 17.3 | 19.0 | 15.5 |
| M91-189 | 19.7 | 22.8 | 21.0 | 19.0 |
| M91-201 | 13.4 | 16.0 | 17.0 | 15.0 |
| M91-228 | 16.5 | 18.6 | 18.0 | 15.5 |
| M91-557 | 16.0 | 17.4 | 17.0 | 15.5 |
| M91-560 | 16.3 | 17.5 | 16.0 | 15.5 |
| M91-745 | 13.3 | 15.2 | 14.5 | 13.5 |
| M91-759 | 16.2 | 19.5 | 19.0 | 17.5 |
| M91-802 | 19.0 | 22.2 | 19.0 | 19.0 |
| M91-821 | 15.4 | 18.4 | 17.0 | 15.0 |
| M91-824 | 18.0 | 18.9 | 17.0 | 16.0 |
| M91-833 | 13.2 | 15.7 | 16.5 | 15.0 |
| M91-846 | 15.8 | 17.8 | 15.5 | 15.5 |
| M91-1068 | 15.5 | 17.9 | 15.5 | 16.0 |
| M91-1099 | 13.8 | 16.3 | 14.5 | 15.0 |
| M91-1135 | 13.3 | 15.5 | 12.5 | 14.0 |
| M91-1195 | 16.5 | 21.5 | 19.0 | 18.0 |
| M91-1416 | 15.8 | 17.3 | 17.5 | 15.5 |
| M91-1644 | 14.6 | 16.9 | 14.0 | 15.5 |
| M91-2104 | 14.7 | 16.6 | 14.5 | 15.0 |
| ND91-2317 | 9.9 | 11.1 | 9.0 | 9.5 |
| ND91-2327 | 10.9 | 12.6 | 11.0 | 12.0 |
| ND91-2330 | 9.9 | 11.1 | 9.5 | 8.0 |
| ND(M)89-111 | 15.2 | 18.1 | 17.5 | 15.5 |
| ND(M)89-556 | 16.0 | 17.9 | 17.0 | 15.5 |
| ND(M)90-461 | 16.9 | 16.7 | 17.5 | 16.5 |
| ND(M)90-547 | 16.5 | 19.4 | 18.5 | 18.0 |
| ND(M)90-599 | 17.8 | 20.6 | 16.5 | 17.5 |
| ND(M)90-722 | 16.0 | 18.3 | 18.5 | 16.5 |
| ND(M)90-754 | 15.7 | 18.1 | 19.0 | 18.0 |
| ND(M)90-1105 | 15.6 | 16.5 | 17.0 | 16.5 |
| ND(M)91-564 | 18.2 | 17.3 | 17.0 | 16.5 |
| ND(M)91-895 | 16.2 | 19.6 | 17.0 | 17.0 |
| ND(M)91-997 | 16.8 | 18.3 | 15.5 | 18.0 |
| ND(M)91-1037 | 18.2 | 19.7 | 17.0 | 16.0 |
| ND(M)91-1354 | 15.9 | 17.2 | 16.0 | 17.0 |
| SD93-587 | 16.4 | 19.4 | 16.5 | 17.0 |
| SD93-719 | 19.5 | 24.0 | 20.0 | 19.0 |
| SD93-1020 | 16.1 | 18.1 | 16.0 | 16.0 |
| SD(M)91-1574 | 17.5 | 21.2 | 19.5 | 19.5 |
| SD(M)92-1233 | 19.2 | 22.0 | 19.5 | 19.5 |
| SD(M)92-1272 | 16.6 | 17.5 | 17.5 | 16.5 |
| SD(M)93-256 | 19.8 | 23.0 | 20.5 | 20.5 |
| SD(M)93-907 | 18.1 | 20.4 | 18.5 | 17.5 |
| SD(M)93-954 | 18.5 | 20.5 | 20.0 | 18.5 |

UNIFORM TEST 0, 1995

PROTEIN (%)

| Strain | Mean 5 Tests | Morris MN | Rosemount MN | Woodstock Ont. | Brookings SD | Watertown SD |
|--------------|--------------------|--------------|-----------------|-------------------|-----------------|-----------------|
| Agassiz (E) | 41.7 | 41.2 | 40.3 | 42.3 | 41.9 | 42.7 |
| Lambert (O) | 42.6 | 42.0 | 42.3 | 43.8 | 42.6 | 42.3 |
| Parker (I) | 41.3 | 40.7 | 40.8 | 42.0 | 40.8 | 42.2 |
| M90-916 | 42.5 | 41.6 | 42.5 | 42.7 | 43.0 | 42.7 |
| M90-1573 | 44.6 | 44.0 | 44.1 | 44.5 | 44.8 | 45.6 |
| M90-1712 | 42.5 | 42.0 | 42.7 | 43.1 | 43.1 | 41.6 |
| M91-189 | 42.9 | 42.6 | 41.8 | 43.2 | 43.6 | 43.4 |
| M91-201 | 42.8 | 42.8 | 41.5 | 42.5 | 43.6 | 43.4 |
| M91-228 | 41.9 | 41.8 | 40.7 | 42.3 | 42.3 | 42.5 |
| M91-557 | 43.2 | 41.8 | 43.4 | 42.0 | 44.6 | 44.0 |
| M91-560 | 42.9 | 42.5 | 42.6 | 42.2 | 44.3 | 43.0 |
| M91-745 | 41.5 | 40.5 | 41.3 | 42.3 | 42.2 | 41.3 |
| M91-759 | 43.6 | 42.0 | 43.6 | 43.0 | 44.8 | 44.7 |
| M91-802 | 42.6 | 42.1 | 42.4 | 42.3 | 43.3 | 42.9 |
| M91-821 | 41.9 | 40.7 | 42.1 | 42.5 | 42.1 | 42.0 |
| M91-824 | 42.8 | 42.0 | 42.5 | 43.6 | 43.0 | 43.1 |
| M91-833 | 42.3 | 41.9 | 42.6 | 42.5 | 42.2 | 42.5 |
| M91-846 | 42.6 | 41.8 | 42.8 | 43.1 | 42.5 | 42.8 |
| M91-1068 | 42.4 | 41.1 | 42.6 | 42.9 | 42.6 | 43.0 |
| M91-1099 | 42.4 | 41.6 | 43.8 | 41.7 | 42.0 | 42.9 |
| M91-1135 | 42.9 | 43.5 | 43.3 | 42.0 | 42.7 | 42.9 |
| M91-1195 | 42.7 | 41.9 | 41.8 | 43.4 | 42.7 | 43.5 |
| M91-1416 | 42.2 | 41.7 | 42.7 | 41.8 | 42.7 | 42.2 |
| M91-1644 | 41.6 | 40.6 | 41.0 | 42.3 | 42.4 | 41.9 |
| M91-2104 | 42.2 | 41.2 | 41.6 | 43.6 | 42.2 | 42.2 |
| ND91-2317 | 43.1 | 43.0 | 43.2 | 42.3 | 43.3 | 43.7 |
| ND91-2327 | 42.5 | 41.7 | 41.3 | 42.8 | 43.6 | 42.9 |
| ND91-2330 | 40.6 | 38.8 | 39.4 | 41.1 | 41.2 | 42.5 |
| ND(M)89-111 | 40.7 | 39.8 | 39.9 | 41.3 | 41.1 | 41.2 |
| ND(M)89-556 | 41.8 | 41.4 | 41.1 | 42.9 | 42.2 | 41.2 |
| ND(M)90-461 | 42.0 | 41.6 | 41.7 | 42.4 | 41.9 | 42.6 |
| ND(M)90-547 | 42.6 | 41.9 | 41.7 | 43.1 | 43.2 | 43.0 |
| ND(M)90-599 | 42.8 | 41.4 | 42.3 | 44.0 | 43.4 | 42.7 |
| ND(M)90-722 | 43.1 | 42.3 | 42.1 | 43.6 | 43.7 | 43.8 |
| ND(M)90-754 | 42.7 | 41.7 | 41.9 | 43.7 | 43.0 | 43.0 |
| ND(M)90-1105 | 42.5 | 41.9 | 42.2 | 42.0 | 43.4 | 42.9 |
| ND(M)91-564 | 42.4 | 41.9 | 41.5 | 42.3 | 42.8 | 43.3 |
| ND(M)91-895 | 40.8 | 39.7 | 40.1 | 41.6 | 41.7 | 40.9 |
| ND(M)91-997 | 42.2 | 41.3 | 41.2 | 43.0 | 42.8 | 42.9 |
| ND(M)91-1037 | 40.8 | 40.7 | 40.6 | 41.0 | 41.2 | 40.6 |
| ND(M)91-1354 | 40.9 | 39.6 | 40.9 | 41.9 | 40.2 | 41.7 |
| SD93-587 | 43.5 | 41.7 | 43.8 | 44.8 | 43.1 | 44.3 |
| SD93-719 | 44.0 | 43.1 | 43.3 | 44.0 | 44.7 | 44.9 |
| SD93-1020 | 42.0 | 42.0 | 41.9 | 41.9 | 42.9 | 41.2 |
| SD(M)91-1574 | 43.1 | 42.1 | 42.6 | 43.5 | 44.1 | 43.0 |
| SD(M)92-1233 | 43.3 | 43.2 | 42.6 | 44.2 | 43.9 | 42.8 |
| SD(M)92-1272 | 43.6 | 42.0 | 43.5 | 43.8 | 44.4 | 44.3 |
| SD(M)93-256 | 44.0 | 43.1 | 43.4 | 43.2 | 45.4 | 45.0 |
| SD(M)93-907 | 42.9 | 41.8 | 43.1 | 42.9 | 43.8 | 42.7 |
| SD(M)93-954 | 43.9 | 42.5 | 43.0 | 44.9 | 44.2 | 44.9 |

UNIFORM TEST 0, 1995

OIL (%)

| Strain | Mean 5 Tests | Morris MN | Rosemount MN | Woodstock Ont. | Brookings SD | Watertown SD |
|--------------|--------------------|--------------|-----------------|-------------------|-----------------|-----------------|
| Agassiz (E) | 20.5 | 20.0 | 20.6 | 21.4 | 20.4 | 20.1 |
| Lambert (O) | 20.4 | 20.1 | 20.0 | 21.3 | 20.6 | 20.2 |
| Parker (I) | 20.4 | 20.1 | 20.5 | 21.1 | 20.3 | 19.8 |
| M90-916 | 20.6 | 20.5 | 20.6 | 21.3 | 20.7 | 20.1 |
| M90-1573 | 19.7 | 19.4 | 20.1 | 20.5 | 19.9 | 18.5 |
| M90-1712 | 20.2 | 20.0 | 20.5 | 21.1 | 20.1 | 19.2 |
| M91-189 | 20.5 | 20.0 | 21.2 | 21.2 | 20.3 | 19.8 |
| M91-201 | 19.7 | 19.3 | 19.0 | 20.7 | 19.9 | 19.4 |
| M91-228 | 21.2 | 20.8 | 21.4 | 22.0 | 21.1 | 20.5 |
| M91-557 | 20.1 | 19.9 | 20.2 | 20.9 | 20.2 | 19.4 |
| M91-560 | 20.2 | 19.9 | 20.1 | 20.7 | 20.3 | 20.2 |
| M91-745 | 19.8 | 18.9 | 20.0 | 20.6 | 19.9 | 19.7 |
| M91-759 | 20.0 | 20.4 | 20.2 | 20.9 | 19.4 | 19.0 |
| M91-802 | 19.9 | 19.4 | 20.1 | 20.4 | 19.9 | 19.8 |
| M91-821 | 21.0 | 20.6 | 21.1 | 21.7 | 21.0 | 20.5 |
| M91-824 | 20.4 | 20.3 | 20.8 | 20.8 | 20.5 | 19.8 |
| M91-833 | 20.1 | 19.9 | 20.5 | 20.6 | 20.0 | 19.3 |
| M91-846 | 20.4 | 19.8 | 20.6 | 21.2 | 20.4 | 19.8 |
| M91-1068 | 19.6 | 19.2 | 19.9 | 20.2 | 19.2 | 19.5 |
| M91-1099 | 20.7 | 20.8 | 20.7 | 20.9 | 21.1 | 20.1 |
| M91-1135 | 19.4 | 19.0 | 19.6 | 20.7 | 19.2 | 18.5 |
| M91-1195 | 19.9 | 19.6 | 20.2 | 20.5 | 19.9 | 19.3 |
| M91-1416 | 20.0 | 19.4 | 20.3 | 20.8 | 19.8 | 19.7 |
| M91-1644 | 20.2 | 19.5 | 20.8 | 21.0 | 20.1 | 19.6 |
| M91-2104 | 20.5 | 20.1 | 20.9 | 21.0 | 20.3 | 20.0 |
| ND91-2317 | 18.7 | 18.6 | 18.3 | 19.7 | 18.9 | 18.1 |
| ND91-2327 | 20.3 | 20.1 | 21.2 | 21.0 | 20.1 | 19.2 |
| ND91-2330 | 19.2 | 18.8 | 19.2 | 20.2 | 19.4 | 18.3 |
| ND(M)89-111 | 20.6 | 20.7 | 20.0 | 21.3 | 20.9 | 20.1 |
| ND(M)89-556 | 20.7 | 20.6 | 20.5 | 20.8 | 20.8 | 20.8 |
| ND(M)90-461 | 20.9 | 20.8 | 20.9 | 20.8 | 21.2 | 20.8 |
| ND(M)90-547 | 20.4 | 20.0 | 20.3 | 20.7 | 20.6 | 20.3 |
| ND(M)90-599 | 20.2 | 20.1 | 20.5 | 20.4 | 20.2 | 19.9 |
| ND(M)90-722 | 20.4 | 20.5 | 20.0 | 21.3 | 20.5 | 19.9 |
| ND(M)90-754 | 20.3 | 20.5 | 20.2 | 20.8 | 20.4 | 19.7 |
| ND(M)90-1105 | 20.6 | 20.2 | 20.5 | 21.4 | 20.6 | 20.2 |
| ND(M)91-564 | 20.8 | 20.3 | 20.6 | 22.4 | 20.6 | 20.1 |
| ND(M)91-895 | 20.6 | 20.4 | 20.6 | 20.8 | 20.8 | 20.2 |
| ND(M)91-997 | 19.8 | 19.6 | 19.7 | 20.0 | 20.1 | 19.7 |
| ND(M)91-1037 | 20.8 | 20.8 | 20.6 | 21.5 | 20.7 | 20.3 |
| ND(M)91-1354 | 20.8 | 20.3 | 20.7 | 21.6 | 21.0 | 20.3 |
| SD93-587 | 19.7 | 19.5 | 19.5 | 20.2 | 20.1 | 19.1 |
| SD93-719 | 19.8 | 19.7 | 20.1 | 20.3 | 19.8 | 19.0 |
| SD93-102 | 19.6 | 19.3 | 19.8 | 20.5 | 19.2 | 19.1 |
| SD(M)91-1574 | 19.9 | 19.1 | 20.0 | 21.0 | 19.9 | 19.3 |
| SD(M)92-1233 | 20.0 | 19.1 | 20.2 | 20.7 | 20.2 | 19.6 |
| SD(M)92-1272 | 20.1 | 20.0 | 20.2 | 20.9 | 19.8 | 19.7 |
| SD(M)93-256 | 19.6 | 18.8 | 20.2 | 20.7 | 19.5 | 19.0 |
| SD(M)93-907 | 20.3 | 19.7 | 20.2 | 21.0 | 19.8 | 20.6 |
| SD(M)93-954 | 19.6 | 19.7 | 20.3 | 19.9 | 19.6 | 18.7 |

UNIFORM TEST I, 1995

| Strain | Parentage | Previous* Testing | Generation Composited | Unique Traits |
|---------------|---|----------------------|--------------------------|------------------|
| Archer (BSR) | Williams 82 and PRX54-59 x BSR 101 | 2 | BC4 F3 | Rps1-k, Rps6 |
| Bell (SCN) | Fayette x LN80-10398 | SCNI | F5 | SCN 3,4 |
| Lambert (O) | M75-274 x M76-151 | 3 | F5 | Rps1 |
| Marcus BC (L) | [Marcus(5) x Elgin 87] x [Marcus(5) x Preston BC-11-8] | 2 | BC4 F2 | Rps1-k, Rps6 |
| Parker (I) | A79-136012 x Dawson | 6 | F5 | Rps1 |
| A92-525014 | IA2008 x Kenwood | 1 | F5 | BSR |
| A92-526007 | A20 x Asgrow A2234 | SCNI | F5 | |
| A92-625002 | Kenwood x LN86-1947 | 1 | F5 | BSR |
| A93-552034 | IA2008 x Kenwood | PTI | F5 | BSR |
| A93-554045 | Northrup King S30-41 x Archer | PTI | F5 | BSR |
| M89-936 | M84-492 x M74-498 | 1 | F5 | Het. Rps1 |
| M89-1665 | Cartter x M85-933 | 1 | F5 | Rps1, SCN 3 |
| M90-1022 | Evans x Sturdy | PTI | F5 | Rps1 |
| M90-1279 | BRS 101 x Kato | PTI | F5 | Rps1 |
| M90-2144 | A85-193023 x Kato | PTI | F5 | Rps1 |
| ORC 9301 | T8508 x OAC 86-07 | PTI | F5 | |
| SD(M)91-1763 | M84-1023 x Sturdy | UT0 | F5 | |
| SD(M)92-1179 | Sturdy x Kato | PTI | F5 | |
| SD(M)92-1323 | Kasota x Kato | UT0 | F5 | |
| SD(M)92-1357 | Hack x Lambert | UT0 | F5 | |

* Number of years in test or name of 1994 test

UNIFORM TEST I, 1995

DESCRIPTIVE DATA

| Strain | Descriptive Code | Chlorosis | | Emergence | Shattering |
|---------------|------------------|-----------|-----------|---------------|--------------------|
| | | Ames | Lamberton | Score Ames | Score Manhattan |
| Archer (BSR) | PGTShYIbI | 2.8 | 2.0 | 4 | 2 |
| Bell (SCN) | PTTShYbI | 2.8 | 2.0 | 5 | 1 |
| Lambert (O) | PGBSYbI | 2.6 | 4.0 | 1 | 1 |
| Marcus BC (L) | WTTDYbI | 4.1 | 5.0 | 1 | 2 |
| Parker (I) | WGBDYbI | 3.0 | 5.0 | 5 | 2 |
| A92-525014 | WTBShYbI | 2.5 | 2.5 | 1 | 3 |
| A92-526007 | PTBShYbI | 2.7 | 3.0 | 5 | 1 |
| A92-625002 | PTBDYbI | 2.6 | 3.5 | 3 | 3 |
| A93-552034 | PGTDYIbI | 3.2 | 3.0 | 3 | 2 |
| A93-554045 | PGTDYGrI | 2.6 | 4.5 | 1 | 2 |
| M89-936 | WGBDYyI | 2.5 | 2.5 | 3 | 1 |
| M89-1665 | PTTDYyI | 2.0 | 2.0 | 4 | 1 |
| M90-1022 | WGBDYyI | 3.1 | 5.0 | 3 | 2 |
| M90-1279 | PTTShYbI | 2.3 | 4.0 | 5 | 1 |
| M90-2144 | PTBDYbI | 3.3 | 3.0 | 5 | 1 |
| ORC 9301 | PTBShYyI | 2.3 | 2.0 | 5 | 1 |
| SD(M)91-1763 | PGBDYyI | 4.7 | 5.0 | 2 | 1 |
| SD(M)92-1179 | PGBSHYIbI | 2.6 | 1.5 | 5 | 2 |
| SD(M)92-1323 | WTBShYbI | 2.5 | 1.5 | 5 | 2 |
| SD(M)92-1357 | PGBSHYIbI | 3.2 | --- | 5 | 1 |

UNIFORM TEST I, 1995

DISEASE DATA

| Strain | BTS | BSR-Ames | | PR | | PS | PSB | Hd Seed |
|---------------|--------------------|-----------------|----------------|-------------------|------------------------|--------|--------|---------|
| | Ames a Score | Plant n % | Stem n % | Ames Race 4 | Lafayette Race 7 | a % | n % | % |
| Archer (BSR) | 92 | 15 | 2 | R | R | 10 | 4 | 0 |
| Bell (SCN) | 88 | 65 | 11 | S | R | 6 | 0 | 0 |
| Lambert (O) | 68 | 20 | 4 | S | S | 4 | 0 | 0 |
| Marcus BC (L) | 84 | 75 | 9 | R | R | 26 | 0 | 24 |
| Parker (I) | 90 | 45 | 11 | S | S | 18 | 0 | 0 |
| A92-525014 | 100 | 15 | 2 | S | S | 4 | 2 | 0 |
| A92-526007 | 88 | 40 | 5 | S | S | 54 | 0 | 0 |
| A92-625002 | 84 | 25 | 3 | S | S | 50 | 2 | 0 |
| A93-552034 | 98 | 20 | 2 | S | S | 8 | 0 | 0 |
| A93-554045 | 88 | 15 | 2 | R | R | 8 | 0 | 0 |
| M89-936 | 90 | 45 | 4 | S | H | 24 | 6 | 0 |
| M89-1665 | 88 | 25 | 3 | S | S | 16 | 0 | 42 |
| M90-1022 | 92 | 55 | 6 | S | S | 12 | 0 | 0 |
| M90-1279 | 103 | 45 | 6 | S | R | 50 | 0 | 0 |
| M90-2144 | 100 | 25 | 3 | S | R | 18 | 0 | 0 |
| ORC 9301 | 85 | 25 | 5 | R | S | 18 | 0 | 0 |
| SD(M)91-1763 | 80 | 40 | 5 | S | R | 20 | 8 | 0 |
| SD(M)92-1179 | 91 | 50 | 6 | S | S | 42 | 0 | 40 |
| SD(M)92-1323 | 78 | 60 | 11 | S | R | 22 | 0 | 0 |
| SD(M)92-1357 | 78 | 75 | 12 | S | S | 18 | 0 | 26 |

UNIFORM TEST I, 1995

REGIONAL SUMMARY

| No. of Tests Strain | Yield 14 bu/a | Rank 14 No. | Maturity 10 Date | Lodging 14 Score | Plant Height 14 In. | Seed Quality 14 Score | Seed Size 14 g/100 | <u>Composition</u> | |
|------------------------|---------------------|-------------------|------------------------|------------------------|------------------------------|--------------------------------|-----------------------------|--------------------|---------------|
| | | | | | | | | Protein 5 % | Oil 5 % |
| Archer (BSR) | 47.5 | 14 | 2.2 | 1.8 | 36 | 1.9 | 16.3 | 41.1 | 19.9 |
| Bell (SCN) | 46.1 | 16 | 3.4 | 1.8 | 33 | 1.8 | 17.9 | 43.2 | 20.0 |
| Lambert (O) | 45.9 | 18 | -3.9 | 1.2 | 28 | 1.9 | 17.3 | 43.5 | 20.8 |
| Marcus BC (L) | 50.5 | 6 | 3.9 | 1.5 | 32 | 2.0 | 16.8 | 41.1 | 20.7 |
| Parker (I) | 51.2 | 2 | 09/15* | 2.2 | 36 | 1.8 | 18.0 | 41.8 | 20.5 |
| A92-525014 | 52.5 | 1 | 0.8 | 1.8 | 37 | 1.8 | 16.2 | 41.1 | 20.0 |
| A92-526007 | 46.1 | 16 | 2.0 | 1.4 | 33 | 2.6 | 16.6 | 40.5 | 20.0 |
| A92-625002 | 50.6 | 5 | 5.2 | 1.6 | 31 | 1.4 | 15.5 | 41.8 | 20.0 |
| A93-552034 | 51.1 | 4 | 2.3 | 1.5 | 36 | 1.6 | 15.9 | 41.2 | 20.0 |
| A93-554045 | 51.2 | 2 | 2.6 | 1.2 | 34 | 1.4 | 14.5 | 40.0 | 20.3 |
| M89-936 | 47.7 | 13 | -1.7 | 1.2 | 34 | 1.8 | 17.6 | 43.2 | 20.1 |
| M89-1665 | 45.6 | 19 | -2.6 | 1.5 | 33 | 1.9 | 14.4 | 42.4 | 19.9 |
| M90-1022 | 45.4 | 20 | -0.6 | 1.5 | 53 | 1.8 | 17.5 | 42.2 | 20.3 |
| M90-1279 | 50.2 | 7 | -0.9 | 1.2 | 36 | 1.9 | 19.9 | 43.1 | 20.0 |
| M90-2144 | 48.3 | 12 | -0.8 | 1.3 | 36 | 2.3 | 19.2 | 44.5 | 20.0 |
| ORC 9301 | 49.3 | 9 | 0.6 | 1.2 | 32 | 1.8 | 18.4 | 40.9 | 21.0 |
| SD(M)91-1763 | 49.9 | 8 | 0.6 | 1.3 | 30 | 1.8 | 15.9 | 41.6 | 20.3 |
| SD(M)92-1179 | 49.1 | 10 | -0.1 | 1.3 | 32 | 2.0 | 21.2 | 43.0 | 20.2 |
| SD(M)92-1323 | 47.2 | 15 | -1.4 | 1.1 | 29 | 1.9 | 19.1 | 43.0 | 20.4 |
| SD(M)92-1357 | 48.8 | 11 | -0.9 | 1.1 | 28 | 1.8 | 18.0 | 42.3 | 20.4 |

* 119.3 Days After Planting

1994-1995 2-YEAR MEAN

| No. of Tests Strain | Yield 28 bu/a | Rank 28 No. | Maturity 21 Date | Lodging 28 Score | Plant Height 28 In. | Seed Quality 28 Score | Seed Size 27 g/100 | <u>Composition</u> | |
|------------------------|---------------------|-------------------|------------------------|------------------------|------------------------------|--------------------------------|-----------------------------|--------------------|---------------|
| | | | | | | | | Protein 8 % | Oil 8 % |
| Archer (BSR) | 49.6 | 5 | 2.6 | 1.9 | 37 | 2.1 | 17.1 | 40.7 | 20.0 |
| Lambert (O) | 46.2 | 8 | -6.2 | 1.5 | 30 | 1.9 | 17.3 | 42.9 | 20.6 |
| Marcus 95 (L) | 53.5 | 2 | 4.1 | 1.9 | 34 | 2.0 | 17.7 | 40.8 | 20.4 |
| Parker (I) | 53.1 | 3 | 9/16.0* | 2.5 | 37 | 1.8 | 18.2 | 41.4 | 20.4 |
| A92-525014 | 55.1 | 1 | 1.2 | 2.1 | 39 | 1.8 | 17.3 | 41.2 | 20.0 |
| A92-625002 | 53.1 | 3 | 4.2 | 1.9 | 32 | 1.5 | 16.6 | 41.5 | 20.0 |
| M89-936 | 48.5 | 6 | -3.4 | 1.6 | 36 | 1.8 | 17.5 | 42.5 | 19.9 |
| M89-1665 | 47.0 | 7 | -3.3 | 1.9 | 34 | 1.8 | 15.0 | 41.9 | 19.6 |

* 121.9 Days After Planting

UNIFORM TEST I, 1995

YIELD (bu/a)

| Strain | Mean 14 Tests | Greene IA | Kanawha IA | Poca- hontas IA | Lafayette IN | Ingham County MI | Saginaw County MI | Lamber- ton MN |
|---------------|---------------------|--------------|---------------|-----------------------|-----------------|------------------------|-------------------------|----------------------|
| Archer (BSR) | 47.5 | 46.6 | 54.1 | 48.8 | 33.4 | 60.5 | 59.6 | 54.6 |
| Bell (SCN) | 46.1 | 51.2 | 50.2 | 46.5 | 39.3 | 47.9 | 60.6 | 50.8 |
| Lambert (O) | 45.9 | 36.5 | 45.3 | 51.9 | 30.6 | 36.9 | 56.8 | 48.4 |
| Marcus BC (L) | 50.5 | 54.2 | 53.7 | 52.7 | 34.9 | 55.3 | 64.3 | 55.1 |
| Parker (I) | 51.2 | 51.8 | 56.1 | 54.8 | 33.6 | 52.2 | 63.4 | 47.5 |
| A92-525014 | 52.5 | 53.0 | 55.2 | 58.8 | 33.2 | 56.9 | 64.7 | 52.5 |
| A92-526007 | 46.1 | 47.1 | 51.8 | 52.7 | 30.2 | 47.4 | 61.1 | 52.9 |
| A92-625002 | 50.6 | 54.4 | 49.5 | 52.2 | 40.3 | 60.9 | 63.6 | 58.7 |
| A93-552034 | 51.1 | 55.8 | 57.8 | 55.8 | 32.9 | 55.8 | 62.3 | 51.1 |
| A93-554045 | 51.2 | 53.6 | 60.1 | 55.9 | 35.1 | 54.3 | 63.7 | 58.7 |
| M89-936 | 47.7 | 53.1 | 49.8 | 51.8 | 30.3 | 45.7 | 54.9 | 53.7 |
| M89-1665 | 45.6 | 46.2 | 47.1 | 46.0 | 28.5 | 48.0 | 52.5 | 55.7 |
| M90-1022 | 45.4 | 47.5 | 52.0 | 52.7 | 31.3 | 41.0 | 59.4 | 53.8 |
| M90-1279 | 50.2 | 51.6 | 53.5 | 50.9 | 35.1 | 54.7 | 61.6 | 56.1 |
| M90-2144 | 48.3 | 52.3 | 51.6 | 49.7 | 30.2 | 53.5 | 58.8 | 53.9 |
| ORC 9301 | 49.3 | 48.2 | 51.5 | 48.2 | 37.2 | 54.1 | 60.8 | 48.1 |
| SD(M)91-1763 | 49.9 | 50.1 | 52.0 | 44.0 | 38.9 | 44.0 | 60.5 | 60.2 |
| SD(M)92-1179 | 49.1 | 47.0 | 55.1 | 55.9 | 34.8 | 49.0 | 63.6 | 50.2 |
| SD(M)92-1323 | 47.2 | 46.8 | 52.2 | 47.4 | 25.4 | 48.6 | 60.6 | 50.8 |
| SD(M)92-1357 | 48.8 | 49.2 | 50.9 | 52.5 | 34.7 | 43.9 | 56.1 | 58.5 |
| C.V. (%) | | 8.3 | 5.4 | 7.1 | 9.2 | 7.9 | 8.1 | 7.9 |
| L.S.D. (5%) | | 6.7 | 4.6 | 6.0 | 5.1 | 8.6 | 10.5 | 7.0 |
| Row Sp. (In.) | | 27 | 27 | 27 | 24 | 30 | 30 | 10 |
| Rows/Plot | | 4 | 4 | 4 | 4 | 4 | 4 | 10 |
| Reps | | 3 | 3 | 3 | 3 | 2 | 2 | 3 |

UNIFORM TEST I, 1995

YIELD (bu/a)

| Strain | Waseca MN | Harting- ton NE | Ord NE | Dutton Ont. | London Ont. | Brook- ings SD | Water- town SD |
|---------------|--------------|-----------------------|-----------|----------------|----------------|----------------------|----------------------|
| Archer (BSR) | 60.3 | 31.5 | 45.9 | 39.2 | 56.1 | 37.8 | 36.5 |
| Bell (SCN) | 59.5 | 34.5 | 39.8 | 44.0 | 52.7 | 34.7 | 33.9 |
| Lambert (O) | 68.5 | 19.8 | 53.5 | 45.8 | 55.1 | 41.8 | 51.5 |
| Marcus BC (L) | 59.8 | 31.7 | 48.4 | 50.1 | 60.8 | 42.1 | 43.9 |
| Parker (I) | 65.0 | 30.9 | 53.3 | 52.5 | 62.3 | 45.7 | 47.7 |
| A92-525014 | 69.3 | 38.6 | 52.4 | 55.5 | 60.3 | 43.7 | 41.3 |
| A92-526007 | 57.0 | 28.9 | 40.9 | 44.6 | 54.6 | 39.5 | 36.9 |
| A92-625002 | 61.0 | 34.6 | 42.4 | 54.6 | 60.2 | 39.2 | 37.0 |
| A93-552034 | 63.4 | 28.0 | 49.1 | 54.4 | 58.4 | 46.9 | 43.2 |
| A93-554045 | 66.2 | 34.7 | 48.3 | 51.9 | 56.4 | 40.9 | 37.0 |
| M89-936 | 57.1 | 24.3 | 54.4 | 45.7 | 56.6 | 44.0 | 45.7 |
| M89-1665 | 60.1 | 30.8 | 50.2 | 45.5 | 52.4 | 34.7 | 40.0 |
| M90-1022 | 60.8 | 25.1 | 46.9 | 45.4 | 47.1 | 38.6 | 33.6 |
| M90-1279 | 62.3 | 34.8 | 51.0 | 47.4 | 56.3 | 44.4 | 43.5 |
| M90-2144 | 63.5 | 27.4 | 48.0 | 47.2 | 54.7 | 45.8 | 39.5 |
| ORC 9301 | 62.0 | 31.0 | 55.9 | 52.7 | 58.7 | 41.3 | 41.0 |
| SD(M)91-1763 | 63.0 | 37.2 | 51.7 | 52.4 | 58.3 | 42.2 | 43.8 |
| SD(M)92-1179 | 61.1 | 23.8 | 50.3 | 50.3 | 57.5 | 43.5 | 45.8 |
| SD(M)92-1323 | 55.5 | 30.0 | 55.7 | 42.5 | 57.0 | 40.7 | 47.1 |
| SD(M)92-1357 | 62.5 | 23.8 | 52.6 | 48.4 | 56.0 | 44.5 | 49.1 |
| C.V. (%) | 7.8 | 16.5 | 7.6 | 7.9 | 7.2 | 5.0 | 5.2 |
| L.S.D. (5%) | 8.0 | 10.0 | 7.6 | 6.5 | 5.6 | 2.9 | 3.0 |
| Row Sp. (In.) | 10 | 30 | 30 | 24 | 15 | 30 | 30 |
| Rows/Plot | 10 | 4 | 4 | 4 | 4 | 4 | 4 |
| Reps | 3 | 3 | 3 | 3 | 4 | 3 | 3 |

UNIFORM TEST I, 1995

YIELD RANK

| Strain | Yield Rank | Greene IA | Kanawha IA | Poca-hontas IA | Lafayette IN | Ingham County MI | Saginaw County MI | Lamberton MN |
|---------------|------------|-----------|------------|----------------|--------------|------------------|-------------------|--------------|
| Archer (BSR) | 14 | 18 | 6 | 15 | 11 | 2 | 14 | 8 |
| Bell (SCN) | 16 | 10 | 16 | 18 | 2 | 14 | 11 | 15 |
| Lambert (O) | 18 | 20 | 20 | 11 | 15 | 20 | 17 | 18 |
| Marcus BC (L) | 6 | 3 | 7 | 6 | 7 | 5 | 2 | 7 |
| Parker (I) | 2 | 8 | 3 | 5 | 10 | 10 | 6 | 20 |
| A92-525014 | 1 | 6 | 4 | 1 | 12 | 3 | 1 | 13 |
| A92-526007 | 16 | 15 | 12 | 6 | 17 | 15 | 9 | 12 |
| A92-625002 | 5 | 2 | 18 | 10 | 1 | 1 | 4 | 2 |
| A93-552034 | 4 | 1 | 2 | 4 | 13 | 4 | 7 | 14 |
| A93-554045 | 2 | 4 | 1 | 2 | 5 | 7 | 3 | 2 |
| M89-936 | 13 | 5 | 17 | 12 | 16 | 16 | 19 | 11 |
| M89-1665 | 19 | 19 | 19 | 19 | 19 | 13 | 20 | 6 |
| M90-1022 | 20 | 14 | 10 | 6 | 14 | 19 | 15 | 10 |
| M90-1279 | 7 | 9 | 8 | 13 | 5 | 6 | 8 | 5 |
| M90-2144 | 12 | 7 | 13 | 14 | 17 | 9 | 16 | 9 |
| ORC 9301 | 9 | 13 | 14 | 16 | 4 | 8 | 10 | 19 |
| SD(M)91-1763 | 8 | 11 | 10 | 20 | 3 | 17 | 13 | 1 |
| SD(M)92-1179 | 10 | 16 | 5 | 2 | 8 | 11 | 4 | 17 |
| SD(M)92-1323 | 15 | 17 | 9 | 17 | 20 | 12 | 11 | 15 |
| SD(M)92-1357 | 11 | 12 | 15 | 9 | 9 | 18 | 18 | 4 |

MATURITY (date)

| Strain | Mean 10 Tests | | | | | | |
|----------------|---------------|-------|--|-------|-------|-------|-------|
| Archer (BSR) | 2.2 | 2 | | 3 | 6 | -1 | 3 |
| Bell (SCN) | 3.4 | 3 | | 7 | 6 | -3 | 4 |
| Lambert (O) | -3.9 | -6 | | 0 | -5 | 0 | -5 |
| Marcus BC (L) | 3.9 | 6 | | 5 | 4 | 1 | 4 |
| Parker (I) | 09/15 | 09/16 | | 09/03 | 09/17 | 09/17 | 09/21 |
| A92-525014 | 0.8 | 1 | | 2 | 2 | -2 | 3 |
| A92-526007 | 2.0 | 1 | | 4 | 6 | -2 | 3 |
| A92-625002 | 5.2 | 3 | | 8 | 7 | 2 | 4 |
| A93-552034 | 2.3 | 2 | | 3 | 4 | 0 | 3 |
| A93-554045 | 2.6 | 2 | | 4 | 5 | -1 | 3 |
| M89-936 | -1.7 | -3 | | -2 | -1 | -2 | 0 |
| M89-1665 | -2.6 | -3 | | -2 | -1 | -3 | -3 |
| M90-1022 | -0.6 | -1 | | 1 | -2 | -2 | 0 |
| M90-1279 | -0.9 | -2 | | 1 | -2 | -1 | -1 |
| M90-2144 | -0.8 | -1 | | 1 | -2 | -3 | 2 |
| ORC 9301 | 0.6 | 0 | | 5 | 4 | -2 | 1 |
| SD(M)91-1763 | 0.6 | -1 | | 7 | 4 | -3 | -1 |
| SD(M)92-1179 | -0.1 | -2 | | 1 | 2 | 0 | -1 |
| SD(M)92-1323 | -1.4 | -5 | | 0 | 3 | 1 | -2 |
| SD(M)92-1357 | -0.9 | -2 | | 2 | -1 | -2 | 0 |
| Date Planted | 05/19 | 05/12 | | 06/05 | 05/23 | 05/12 | 05/24 |
| Days to Mature | 119.3 | 127 | | 90 | 117 | 128 | 120 |

UNIFORM TEST I, 1995

YIELD RANK

| Strain | Waseca MN | Harting- ton NE | Ord NE | Dutton Ont. | London Ont. | Brook- ings SD | Water- town SD |
|---------------|--------------|-----------------------|-----------|----------------|----------------|----------------------|----------------------|
| Archer (BSR) | 14 | 8 | 17 | 20 | 13 | 18 | 18 |
| Bell (SCN) | 17 | 6 | 20 | 18 | 18 | 19 | 19 |
| Lambert (O) | 2 | 20 | 4 | 13 | 15 | 11 | 1 |
| Marcus BC (L) | 16 | 7 | 13 | 9 | 2 | 10 | 7 |
| Parker (I) | 4 | 10 | 5 | 5 | 1 | 3 | 3 |
| A92-525014 | 1 | 1 | 7 | 1 | 3 | 7 | 11 |
| A92-526007 | 19 | 13 | 19 | 17 | 17 | 15 | 17 |
| A92-625002 | 12 | 5 | 18 | 2 | 4 | 16 | 15 |
| A93-552034 | 6 | 14 | 12 | 3 | 6 | 1 | 10 |
| A93-554045 | 3 | 4 | 14 | 7 | 11 | 13 | 16 |
| M89-936 | 18 | 17 | 3 | 14 | 10 | 6 | 6 |
| M89-1665 | 15 | 11 | 11 | 15 | 19 | 19 | 13 |
| M90-1022 | 13 | 16 | 16 | 16 | 20 | 17 | 20 |
| M90-1279 | 9 | 3 | 9 | 11 | 12 | 5 | 9 |
| M90-2144 | 5 | 15 | 15 | 12 | 16 | 2 | 14 |
| ORC 9301 | 10 | 9 | 1 | 4 | 5 | 12 | 12 |
| SD(M)91-1763 | 7 | 2 | 8 | 6 | 7 | 9 | 8 |
| SD(M)92-1179 | 11 | 18 | 10 | 8 | 8 | 8 | 5 |
| SD(M)92-1323 | 20 | 12 | 2 | 19 | 9 | 14 | 4 |
| SD(M)92-1357 | 8 | 19 | 6 | 10 | 14 | 4 | 2 |

MATURITY (date)

| Strain | | | | | |
|----------------|-------|-------|-------|-------|-------|
| Archer (BSR) | 2 | 2 | 1 | 1 | 3 |
| Bell (SCN) | 5 | 3 | 1 | 3 | 5 |
| Lambert (O) | -6 | -2 | -8 | -2 | -5 |
| Marcus BC (L) | 7 | 4 | 2 | 3 | 3 |
| Parker (I) | 09/15 | 09/27 | 09/13 | 09/04 | 09/24 |
| A92-525014 | 0 | 1 | 1 | 0 | 0 |
| A92-526007 | 6 | -1 | 1 | 1 | 1 |
| A92-625002 | 6 | 7 | 6 | 4 | 5 |
| A93-552034 | 4 | 1 | 1 | 1 | 4 |
| A93-554045 | 3 | 4 | 0 | 1 | 5 |
| M89-936 | -1 | -2 | -3 | 0 | -3 |
| M89-1665 | -4 | -1 | -5 | 0 | -4 |
| M90-1022 | 0 | -2 | 0 | 1 | -1 |
| M90-1279 | 0 | -1 | -1 | 1 | -3 |
| M90-2144 | 0 | -1 | -2 | 0 | -2 |
| ORC 9301 | -1 | 0 | 0 | 0 | -1 |
| SD(M)91-1763 | -1 | -1 | 0 | 1 | 1 |
| SD(M)92-1179 | 0 | -2 | 0 | 1 | 0 |
| SD(M)92-1323 | -4 | -1 | -3 | 1 | -4 |
| SD(M)92-1357 | -1 | -2 | -1 | 0 | -2 |
| Date Planted | 05/02 | 05/30 | 06/05 | 05/15 | 05/04 |
| Days to Mature | 136 | 120 | 100 | 112 | 143 |

UNIFORM TEST I, 1995

LODGING (score)

| Strain | Mean 14 Tests | Greene IA | Kanawha IA | Poca- hontas IA | Lafayette IN | Ingham County MI | Saginaw County MI | Lamber- ton MN |
|---------------|---------------------|--------------|---------------|-----------------------|-----------------|------------------------|-------------------------|----------------------|
| Archer (BSR) | 1.8 | 1.9 | 1.5 | 1.3 | 1.3 | 1.5 | 2.0 | 2.0 |
| Bell (SCN) | 1.8 | 2.0 | 1.6 | 1.6 | 1.5 | 1.5 | 2.5 | 2.7 |
| Lambert (O) | 1.2 | 1.4 | 1.1 | 1.2 | 1.0 | 1.0 | 2.0 | 1.3 |
| Marcus BC (L) | 1.5 | 2.2 | 1.6 | 1.4 | 1.0 | 2.0 | 2.0 | 1.7 |
| Parker (I) | 2.2 | 2.2 | 1.6 | 1.3 | 2.0 | 2.0 | 3.0 | 3.7 |
| A92-525014 | 1.8 | 2.2 | 1.5 | 1.2 | 1.5 | 2.0 | 2.5 | 2.7 |
| A92-526007 | 1.4 | 1.6 | 1.4 | 1.2 | 1.0 | 1.0 | 2.0 | 1.7 |
| A92-625002 | 1.6 | 1.5 | 1.5 | 1.2 | 1.0 | 1.5 | 2.0 | 2.3 |
| A93-552034 | 1.5 | 1.9 | 1.3 | 1.3 | 1.0 | 1.0 | 2.0 | 2.0 |
| A93-554045 | 1.2 | 1.5 | 1.2 | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 |
| M89-936 | 1.2 | 1.5 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| M89-1665 | 1.5 | 1.5 | 1.4 | 1.1 | 1.0 | 2.0 | 2.0 | 1.7 |
| M90-1022 | 1.5 | 1.7 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 2.3 |
| M90-1279 | 1.2 | 1.6 | 1.2 | 1.2 | 1.0 | 1.5 | 1.5 | 1.0 |
| M90-2144 | 1.3 | 1.5 | 1.4 | 1.2 | 1.0 | 1.5 | 1.5 | 1.0 |
| ORC 9301 | 1.2 | 1.5 | 1.1 | 1.0 | 1.0 | 1.0 | 1.5 | 1.0 |
| SD(M)91-1763 | 1.3 | 1.6 | 1.2 | 1.1 | 1.0 | 1.0 | 1.0 | 1.7 |
| SD(M)92-1179 | 1.3 | 1.5 | 1.3 | 1.1 | 1.0 | 1.0 | 2.0 | 1.3 |
| SD(M)92-1323 | 1.1 | 1.3 | 1.1 | 1.1 | 1.0 | 1.0 | 1.5 | 1.0 |
| SD(M)92-1357 | 1.1 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 | 1.0 |

PLANT HEIGHT (inches)

| Strain | Mean 14 Tests | | | | | | | |
|---------------|---------------------|----|----|----|----|----|-----|----|
| Archer (BSR) | 36 | 42 | 37 | 34 | 34 | 36 | 37 | 38 |
| Bell (SCN) | 33 | 40 | 33 | 31 | 32 | 30 | 36 | 36 |
| Lambert (O) | 28 | 32 | 25 | 28 | 25 | 26 | 31 | 31 |
| Marcus BC (L) | 32 | 38 | 32 | 32 | 31 | 30 | 35 | 35 |
| Parker (I) | 36 | 38 | 36 | 34 | 35 | 35 | 40 | 39 |
| A92-525014 | 37 | 42 | 38 | 37 | 36 | 33 | 39 | 39 |
| A92-526007 | 33 | 38 | 35 | 33 | 29 | 29 | 33 | 36 |
| A92-625002 | 31 | 36 | 32 | 30 | 30 | 28 | 30 | 34 |
| A93-552034 | 36 | 40 | 36 | 35 | 35 | 31 | 35 | 40 |
| A93-554045 | 34 | 40 | 35 | 34 | 31 | 31 | 36 | 38 |
| M89-936 | 34 | 40 | 32 | 30 | 32 | 36 | 33 | 39 |
| M89-1665 | 33 | 35 | 32 | 33 | 32 | 30 | 35 | 39 |
| M90-1022 | 53 | 38 | 31 | 32 | 30 | 27 | 321 | 37 |
| M90-1279 | 36 | 42 | 36 | 34 | 33 | 37 | 38 | 37 |
| M90-2144 | 36 | 40 | 38 | 36 | 34 | 33 | 38 | 39 |
| ORC 9301 | 32 | 40 | 33 | 31 | 32 | 32 | 37 | 35 |
| SD(M)91-1763 | 30 | 34 | 29 | 29 | 28 | 28 | 29 | 35 |
| SD(M)92-1179 | 32 | 36 | 31 | 32 | 29 | 29 | 34 | 38 |
| SD(M)92-1323 | 29 | 35 | 31 | 27 | 24 | 32 | 32 | 35 |
| SD(M)92-1357 | 28 | 33 | 27 | 29 | 28 | 24 | 26 | 35 |

UNIFORM TEST I, 1995

LODGING (score)

| Strain | Waseca MN | Harting- ton NE | Ord NE | Dutton Ont. | London Ont. | Brook- ings SD | Water- town SD |
|---------------|--------------|-----------------------|-----------|----------------|----------------|----------------------|----------------------|
| Archer (BSR) | 3.0 | 1.0 | 2.3 | 1.0 | 1.0 | 3.0 | 2.0 |
| Bell (SCN) | 3.0 | 1.0 | 1.3 | 1.0 | 1.0 | 3.0 | 2.0 |
| Lambert (O) | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Marcus BC (L) | 2.0 | 1.0 | 1.7 | 1.0 | 1.0 | 1.0 | 2.0 |
| Parker (I) | 3.0 | 1.0 | 3.0 | 1.0 | 1.0 | 2.0 | 4.0 |
| A92-525014 | 3.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 |
| A92-526007 | 2.0 | 1.0 | 1.3 | 1.0 | 1.0 | 1.0 | 2.0 |
| A92-625002 | 3.0 | 1.0 | 1.7 | 1.0 | 1.0 | 1.0 | 2.0 |
| A93-552034 | 3.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| A93-554045 | 2.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| M89-936 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 |
| M89-1665 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 |
| M90-1022 | 3.0 | 1.0 | 1.7 | 1.0 | 1.0 | 1.0 | 3.0 |
| M90-1279 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| M90-2144 | 2.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 |
| ORC 9301 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| SD(M)91-1763 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 |
| SD(M)92-1179 | 2.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 |
| SD(M)92-1323 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| SD(M)92-1357 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

PLANT HEIGHT (inches)

| Strain | Waseca MN | Harting- ton NE | Ord NE | Dutton Ont. | London Ont. | Brook- ings SD | Water- town SD |
|---------------|--------------|-----------------------|-----------|----------------|----------------|----------------------|----------------------|
| Archer (BSR) | 42 | 24 | 42 | 29 | 35 | 34 | 37 |
| Bell (SCN) | 38 | 23 | 37 | 29 | 31 | 32 | 35 |
| Lambert (O) | 28 | 17 | 33 | 27 | 25 | 27 | 33 |
| Marcus BC (L) | 36 | 22 | 38 | 28 | 31 | 29 | 33 |
| Parker (I) | 41 | 22 | 41 | 35 | 35 | 36 | 37 |
| A92-525014 | 43 | 25 | 42 | 38 | 35 | 34 | 37 |
| A92-526007 | 39 | 21 | 36 | 29 | 31 | 34 | 33 |
| A92-625002 | 37 | 21 | 33 | 31 | 29 | 31 | 31 |
| A93-552034 | 44 | 21 | 44 | 33 | 33 | 35 | 36 |
| A93-554045 | 41 | 23 | 36 | 31 | 31 | 32 | 37 |
| M89-936 | 37 | 19 | 39 | 31 | 32 | 31 | 40 |
| M89-1665 | 36 | 20 | 37 | 30 | 31 | 31 | 35 |
| M90-1022 | 39 | 19 | 38 | 29 | 29 | 33 | 37 |
| M90-1279 | 40 | 23 | 40 | 31 | 34 | 35 | 40 |
| M90-2144 | 41 | 21 | 42 | 34 | 34 | 37 | 36 |
| ORC 9301 | 33 | 21 | 35 | 29 | 29 | 27 | 33 |
| SD(M)91-1763 | 33 | 21 | 33 | 28 | 28 | 31 | 32 |
| SD(M)92-1179 | 36 | 19 | 39 | 28 | 32 | 34 | 37 |
| SD(M)92-1323 | 31 | 17 | 32 | 24 | 27 | 29 | 31 |
| SD(M)92-1357 | 32 | 18 | 33 | 24 | 25 | 30 | 33 |

UNIFORM TEST I, 1995

SEED QUALITY (score)

| Strain | Mean 14 Tests | Greene IA | Kanawha IA | Poca- hontas IA | Lafayette IN | Ingham County MI | Saginaw County MI | Lamber- ton MN |
|---------------|---------------------|--------------|---------------|-----------------------|-----------------|------------------------|-------------------------|----------------------|
| Archer (BSR) | 1.9 | 1.0 | 1.0 | 1.0 | 2.0 | 1.5 | 1.5 | 2.0 |
| Bell (SCN) | 1.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 | 2.3 |
| Lambert (O) | 1.9 | 1.0 | 1.0 | 1.0 | 1.0 | 2.5 | 2.5 | 2.3 |
| Marcus BC (L) | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 1.0 | 1.0 | 1.7 |
| Parker (I) | 1.8 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.5 | 2.3 |
| A92-525014 | 1.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 | 2.0 |
| A92-526007 | 2.6 | 3.0 | 1.0 | 1.0 | 4.0 | 2.5 | 2.0 | 2.7 |
| A92-625002 | 1.4 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| A93-552034 | 1.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 | 2.0 |
| A93-554045 | 1.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| M89-936 | 1.8 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.7 |
| M89-1665 | 1.9 | 1.0 | 1.0 | 1.0 | 4.0 | 2.0 | 2.0 | 2.7 |
| M90-1022 | 1.8 | 1.0 | 1.0 | 1.0 | 2.0 | 1.5 | 1.5 | 2.7 |
| M90-1279 | 1.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 | 2.0 | 2.7 |
| M90-2144 | 2.3 | 1.0 | 2.0 | 1.0 | 3.0 | 2.0 | 2.0 | 2.7 |
| ORC 9301 | 1.8 | 1.0 | 1.0 | 1.0 | 3.0 | 1.5 | 2.0 | 2.0 |
| SD(M)91-1763 | 1.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 | 2.3 |
| SD(M)92-1179 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 |
| SD(M)92-1323 | 1.9 | 1.0 | 1.0 | 1.0 | 4.0 | 1.5 | 1.5 | 2.7 |
| SD(M)92-1357 | 1.8 | 1.0 | 1.0 | 1.0 | 1.0 | 2.5 | 2.5 | 2.0 |

SEED SIZE (g/100)

| Strain | Mean 14 Tests | | | | | | | |
|---------------|---------------------|------|------|------|------|------|------|------|
| Archer (BSR) | 16.3 | 14.6 | 16.0 | 14.2 | 12.2 | 18.1 | 19.1 | 16.2 |
| Bell (SCN) | 17.9 | 18.3 | 18.5 | 17.2 | 14.5 | 19.7 | 19.1 | 17.6 |
| Lambert (O) | 17.3 | 15.4 | 16.6 | 16.6 | 14.5 | 18.6 | 19.9 | 16.8 |
| Marcus BC (L) | 16.8 | 16.1 | 15.6 | 15.9 | 12.1 | 18.2 | 18.3 | 17.3 |
| Parker (I) | 18.0 | 16.2 | 16.7 | 18.4 | 13.1 | 20.1 | 21.1 | 16.7 |
| A92-525014 | 16.2 | 14.6 | 16.0 | 15.5 | 11.9 | 17.3 | 18.7 | 16.0 |
| A92-526007 | 16.6 | 14.2 | 16.2 | 15.8 | 11.1 | 19.2 | 20.1 | 16.7 |
| A92-625002 | 15.5 | 15.2 | 14.1 | 13.8 | 11.8 | 17.3 | 16.3 | 16.0 |
| A93-552034 | 15.9 | 15.2 | 15.9 | 15.7 | 11.4 | 17.9 | 17.8 | 15.7 |
| A93-554045 | 14.5 | 13.6 | 14.4 | 13.9 | 10.7 | 15.9 | 15.4 | 14.7 |
| M89-936 | 17.6 | 16.0 | 16.6 | 17.2 | 12.8 | 18.7 | 21.1 | 17.4 |
| M89-1665 | 14.4 | 13.4 | 13.3 | 13.0 | 12.2 | 15.5 | 15.9 | 13.7 |
| M90-1022 | 17.5 | 15.8 | 17.2 | 16.6 | 13.6 | 17.4 | 21.7 | 17.4 |
| M90-1279 | 19.9 | 16.9 | 19.1 | 18.9 | 14.3 | 21.9 | 23.4 | 20.1 |
| M90-2144 | 19.2 | 17.6 | 18.8 | 20.0 | 13.4 | 21.0 | 22.4 | 19.3 |
| ORC 9301 | 18.4 | 15.5 | 17.4 | 15.6 | 13.1 | 21.5 | 24.0 | 17.5 |
| SD(M)91-1763 | 15.9 | 14.8 | 16.0 | 13.7 | 13.1 | 17.3 | 18.9 | 15.3 |
| SD(M)92-1179 | 21.2 | 19.4 | 20.8 | 19.0 | 17.0 | 24.6 | 25.1 | 20.9 |
| SD(M)92-1323 | 19.1 | 17.4 | 19.4 | 18.0 | 14.4 | 17.9 | 20.7 | 18.7 |
| SD(M)92-1357 | 18.0 | 15.7 | 18.0 | 16.2 | 13.8 | 23.4 | 23.3 | 17.0 |

UNIFORM TEST I, 1995

SEED QUALITY (score)

| Strain | Waseca MN | Harting- ton NE | Ord NE | Dutton Ont. | London Ont. | Brook- ings SD | Water- town SD |
|---------------|--------------|-----------------------|-----------|----------------|----------------|----------------------|----------------------|
| Archer (BSR) | 3.0 | 3.0 | 2.7 | 1.0 | 1.5 | 3.0 | 3.0 |
| Bell (SCN) | 2.7 | 2.3 | 3.3 | 1.0 | 1.5 | 3.0 | 2.0 |
| Lambert (O) | 3.3 | 2.3 | 2.7 | 1.0 | 2.5 | 2.0 | 2.0 |
| Marcus BC (L) | 3.0 | 3.0 | 2.3 | 1.3 | 2.0 | 2.0 | 2.0 |
| Parker (I) | 2.7 | 1.7 | 2.0 | 1.3 | 2.0 | 2.0 | 2.0 |
| A92-525014 | 2.7 | 2.7 | 2.7 | 1.0 | 2.0 | 2.0 | 3.0 |
| A92-526007 | 3.7 | 3.0 | 3.7 | 1.3 | 2.5 | 3.0 | 3.0 |
| A92-625002 | 2.3 | 2.3 | 1.3 | 1.0 | 1.5 | 1.0 | 2.0 |
| A93-552034 | 2.7 | 2.0 | 2.7 | 1.0 | 1.5 | 2.0 | 2.0 |
| A93-554045 | 2.3 | 2.7 | 1.7 | 1.0 | 1.5 | 1.0 | 2.0 |
| M89-936 | 2.7 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| M89-1665 | 3.0 | 2.0 | 2.0 | 1.0 | 1.5 | 2.0 | 2.0 |
| M90-1022 | 2.7 | 2.0 | 2.7 | 1.3 | 2.0 | 1.0 | 3.0 |
| M90-1279 | 3.0 | 2.7 | 1.7 | 1.0 | 1.5 | 3.0 | 3.0 |
| M90-2144 | 3.0 | 3.0 | 2.7 | 1.0 | 2.5 | 3.0 | 3.0 |
| ORC 9301 | 2.7 | 1.7 | 2.3 | 1.0 | 2.0 | 2.0 | 2.0 |
| SD(M)91-1763 | 2.7 | 2.0 | 2.7 | 1.0 | 2.0 | 2.0 | 3.0 |
| SD(M)92-1179 | 3.0 | 3.3 | 2.3 | 1.0 | 2.0 | 3.0 | 2.0 |
| SD(M)92-1323 | 3.3 | 2.7 | 2.0 | 1.3 | 2.0 | 1.0 | 2.0 |
| SD(M)92-1357 | 2.3 | 2.7 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 |

SEED SIZE (g/100)

| Strain | | | | | | | |
|---------------|------|------|------|------|------|------|------|
| Archer (BSR) | 19.3 | 17.5 | 19.1 | 15.0 | 16.2 | 15.5 | 15.0 |
| Bell (SCN) | 20.2 | 19.3 | 19.5 | 16.8 | 16.7 | 18.0 | 15.0 |
| Lambert (O) | 17.5 | 18.4 | 18.1 | 17.6 | 18.7 | 17.5 | 16.0 |
| Marcus BC (L) | 18.7 | 17.5 | 19.3 | 16.0 | 16.5 | 17.0 | 16.5 |
| Parker (I) | 19.2 | 20.7 | 20.2 | 15.9 | 17.1 | 20.5 | 16.5 |
| A92-525014 | 18.7 | 17.9 | 18.9 | 15.7 | 14.7 | 17.0 | 14.0 |
| A92-526007 | 18.2 | 18.8 | 18.9 | 16.3 | 15.9 | 17.5 | 14.0 |
| A92-625002 | 18.6 | 16.2 | 17.3 | 14.9 | 15.2 | 15.5 | 15.0 |
| A93-552034 | 17.6 | 17.6 | 17.6 | 14.8 | 14.2 | 16.5 | 14.0 |
| A93-554045 | 16.1 | 16.5 | 16.5 | 14.4 | 13.0 | 15.0 | 13.5 |
| M89-936 | 18.6 | 19.9 | 19.7 | 15.9 | 17.5 | 17.5 | 17.0 |
| M89-1665 | 15.6 | 17.4 | 16.7 | 14.0 | 14.3 | 13.5 | 13.5 |
| M90-1022 | 20.5 | 19.0 | 18.3 | 16.5 | 16.9 | 16.5 | 17.0 |
| M90-1279 | 23.0 | 21.1 | 22.5 | 18.2 | 20.6 | 21.0 | 18.0 |
| M90-2144 | 20.8 | 21.1 | 20.9 | 17.7 | 18.4 | 19.5 | 17.5 |
| ORC 9301 | 18.8 | 19.1 | 20.2 | 18.1 | 18.9 | 19.5 | 18.0 |
| SD(M)91-1763 | 18.0 | 18.3 | 16.7 | 14.7 | 15.3 | 16.5 | 14.0 |
| SD(M)92-1179 | 23.1 | 21.4 | 22.4 | 19.4 | 20.7 | 21.0 | 21.5 |
| SD(M)92-1323 | 19.9 | 21.4 | 20.0 | 17.7 | 20.8 | 20.5 | 20.0 |
| SD(M)92-1357 | 18.4 | 19.2 | 18.9 | 16.5 | 18.3 | 17.0 | 16.0 |

UNIFORM TEST I, 1995

PROTEIN (%)

| Strain | Mean 5 Tests | East Lansing MI | Lamberton MN | Ord NE | London Ont. | Watertown SD |
|---------------|--------------------|-----------------------|-----------------|-----------|----------------|-----------------|
| Archer (BSR) | 41.1 | 41.1 | 40.6 | 39.9 | 43.1 | 40.7 |
| Bell (SCN) | 43.2 | 44.0 | 42.4 | 41.9 | 44.1 | 43.4 |
| Lambert (O) | 43.5 | 43.5 | 43.2 | 42.7 | 45.2 | 43.0 |
| Marcus BC (L) | 41.1 | 41.1 | 41.1 | 40.3 | 42.0 | 40.9 |
| Parker (I) | 41.8 | 42.1 | 41.1 | 41.0 | 43.2 | 41.5 |
| A92-525014 | 41.1 | 41.1 | 40.9 | 39.1 | 42.6 | 41.9 |
| A92-526007 | 40.5 | 40.1 | 40.6 | 38.9 | 42.5 | 40.6 |
| A92-625002 | 41.8 | 41.7 | 42.0 | 40.3 | 43.4 | 41.4 |
| A93-552034 | 41.2 | 40.4 | 41.3 | 39.5 | 43.4 | 41.4 |
| A93-554045 | 40.0 | 39.4 | 39.9 | 37.9 | 42.3 | 40.4 |
| M89-936 | 43.2 | 43.6 | 43.7 | 42.5 | 44.0 | 42.0 |
| M89-1665 | 42.4 | 42.5 | 42.6 | 41.2 | 44.1 | 41.4 |
| M90-1022 | 42.2 | 41.8 | 42.3 | 40.5 | 44.2 | 42.3 |
| M90-1279 | 43.1 | 43.7 | 42.2 | 42.6 | 43.9 | 43.3 |
| M90-2144 | 44.5 | 45.4 | 43.6 | 43.6 | 45.2 | 44.5 |
| ORC 9301 | 40.9 | 42.0 | 40.4 | 39.6 | 42.1 | 40.2 |
| SD(M)91-1763 | 41.6 | 41.2 | 41.4 | 41.3 | 42.8 | 41.3 |
| SD(M)92-1179 | 43.0 | 43.2 | 42.6 | 42.2 | 44.2 | 42.7 |
| SD(M)92-1323 | 43.0 | 41.7 | 42.9 | 42.6 | 44.6 | 43.2 |
| SD(M)92-1357 | 42.3 | 46.4 | 41.4 | 40.1 | 43.0 | 40.7 |

OIL (%)

| Strain | Mean 5 Tests | East Lansing MI | Lamberton MN | Ord NE | London Ont. | Watertown SD |
|---------------|--------------------|-----------------------|-----------------|-----------|----------------|-----------------|
| Archer (BSR) | 19.9 | 20.1 | 19.6 | 19.6 | 20.4 | 19.6 |
| Bell (SCN) | 20.0 | 19.3 | 20.4 | 19.8 | 20.9 | 19.6 |
| Lambert (O) | 20.8 | 21.1 | 20.5 | 20.7 | 21.2 | 20.4 |
| Marcus BC (L) | 20.7 | 20.9 | 20.5 | 20.3 | 21.6 | 20.2 |
| Parker (I) | 20.5 | 20.7 | 20.5 | 20.3 | 21.2 | 19.8 |
| A92-525014 | 20.0 | 20.1 | 19.6 | 19.8 | 20.8 | 19.6 |
| A92-526007 | 20.0 | 19.8 | 19.7 | 20.2 | 20.4 | 19.9 |
| A92-625002 | 20.0 | 20.3 | 18.9 | 20.4 | 20.8 | 19.8 |
| A93-552034 | 20.0 | 20.0 | 19.9 | 20.0 | 20.3 | 20.0 |
| A93-554045 | 20.3 | 20.4 | 19.7 | 20.2 | 20.7 | 20.4 |
| M89-936 | 20.1 | 20.4 | 19.8 | 20.1 | 20.6 | 19.7 |
| M89-1665 | 19.9 | 19.8 | 19.6 | 20.0 | 20.7 | 19.5 |
| M90-1022 | 20.3 | 20.8 | 20.2 | 20.1 | 20.8 | 19.8 |
| M90-1279 | 20.0 | 19.9 | 20.1 | 19.3 | 20.9 | 19.7 |
| M90-2144 | 20.0 | 19.8 | 19.7 | 20.1 | 20.8 | 19.6 |
| ORC 9301 | 21.0 | 20.8 | 20.8 | 21.2 | 21.6 | 20.7 |
| SD(M)91-1763 | 20.3 | 20.3 | 20.5 | 20.1 | 20.8 | 19.9 |
| SD(M)92-1179 | 20.2 | 20.3 | 20.1 | 20.1 | 20.7 | 19.6 |
| SD(M)92-1323 | 20.4 | 20.7 | 20.5 | 20.0 | 21.1 | 19.8 |
| SD(M)92-1357 | 20.4 | 19.4 | 20.8 | 20.4 | 21.1 | 20.5 |

PRELIMINARY TEST I, 1995

| Strain | Parentage | Generation Compositied | Unique Traits |
|---------------|---|------------------------|-----------------|
| Lambert (O) | M75-274 x M76-151 | F5 | Rps1 |
| Marcus BC (L) | [Marcus(5) x Elgin 87] x [Marcus(5) x Preston BC-11-8] | BC4 F2 | Rps1-k, Rps6 |
| Parker (I) | A79-136012 x Dawson | F5 | Rps1 |
| A94-572009 | Jacques J285 x A89-344017 | F5 | BSR |
| A94-572028 | Asgrow A2234 x HC85-604 | F5 | |
| A94-572029 | Asgrow A2234 x HC85-604 | F5 | |
| A94-572033 | HC85-604 x Northrup King S20-26 | F5 | |
| A94-572043 | HC85-604 x Asgrow A2543 | F5 | |
| A94-572046 | Jacques J285 x Kenwood | F5 | |
| A94-572049 | Jacques J285 x Kenwood | F5 | |
| A94-572053 | HC85-604 x Northrup King S29-39 | F5 | |
| A94-574015 | (A89-144036 x A13) x Northrup King S29-39 | F4 | |
| A94-574019 | (Asgrow A2234 x A13) x Northrup King S20-26 | F4 | |
| A94-574028 | (Northrup King S19-90 x Bell) x A89-144026 | F4 | |
| E93147 | E86067 x Kenwood | F5 | |
| E93390 | BSR 101 x AgriPro AP1989 | F5 | |
| M91-756 | M81-18 x Kato | F5 | Rps1 |
| M91-827 | M81-18 x BSR 101 | F5 | Rps1 |
| M91-856 | M81-18 x BSR 101 | F5 | Rps1 |
| M91-947 | (Sturdy x Kato)F ₁ x (Hardin x Kato)F ₁ | F4 | Rps1 |
| M91-1087 | M82-559 x Kato | F5 | Rps1-c |
| M91-1092 | M82-559 x Kato | F5 | Rps1-c |
| M91-1137 | Kasota x Kenwood | F5 | Rps1-c |
| M91-1175 | Sturdy x Kato | F5 | Rps1 |
| M91-1183 | Sturdy x Kato | F5 | Rps1 |
| M91-1185 | Sturdy x Kato | F5 | Rps1 |
| M91-1210 | M86-714 x Kato | F5 | Rps1 |
| M91-1590 | Burlison x M83-744 | F5 | Rps1-c + 3? |
| ORC 9403 | ORC 8802 x Northrup King S26-06 | F5 | Dt ₂ |
| ORC 9404 | ORC 8703 x Northrup King S26-06 | F5 | |
| SD93-659 | Hardin x Vinton 81 | F5 | |
| SD93-859 | Parker x Archer | F5 | |
| SD93-952 | SD87001 x Sibley | F5 | |
| SD(M)93-60M | Kato x PI 467.313 | F5 | |
| SD(M)93-78M | Sibley x PI 229.324 | F5 | |
| SD(M)93-242M | Glenwood x A17 | F5 | |
| SD(M)93-905M | Kasota x Leslie | F5 | |
| SD(M)93-928M | Kasota x M85-109 | F5 | |
| SD(M)93-986M | Sturdy x Maple Ridge | F5 | |
| SD(M)93-1959M | Parker x Agassiz | F5 | |

PRELIMINARY TEST I, 1995

DESCRIPTIVE DATA

| Strain | Descriptive Code | Chlorosis Score | | Shattering Score |
|---------------|------------------|-----------------|-----------|------------------|
| | | Ames | Lamberton | Manhattan |
| Lambert (O) | PGBSYbFI | 2.6 | 4.0 | 1 |
| Marcus BC (L) | WTTDYbFI | 4.1 | 5.0 | 1 |
| Parker (I) | WGBDYbFI | 2.5 | 5.0 | 1 |
| A94-572009 | WTBDYbLI | 3.6 | 3.5 | 3 |
| A94-572028 | PTTDYbLI | 3.1 | 2.5 | 1 |
| A94-572029 | PTTSYbLI | 3.0 | 3.5 | 1 |
| A94-572033 | PTBDYYI | 2.8 | 1.5 | 1 |
| A94-572043 | PTTDYbLI | 3.1 | 3.0 | 1 |
| A94-572046 | PTBDYbLI | 3.3 | 3.5 | 1 |
| A94-572049 | WTBDYbLI | 4.0 | 3.0 | 1 |
| A94-572053 | PTBDYYI | 2.5 | 3.0 | 1 |
| A94-574015 | PGBDYIbI | 2.0 | 3.0 | 1 |
| A94-574019 | PTBIYbLI | 2.6 | 3.0 | 2 |
| A94-574028 | PTBIYbLI | 2.6 | 5.0 | 1 |
| E93147 | PTBDYbLI | 3.5 | 3.5 | 1 |
| E93390 | PGBDYIbI | 3.1 | 3.5 | 1 |
| M91-756 | PGBIYbFI | 1.6 | 3.0 | 1 |
| M91-827 | PGTSYbFI | 2.1 | 3.5 | 1 |
| M91-856 | PGTSYIbI | 2.6 | 5.0 | 2 |
| M91-947 | PGBIYHI | 3.0 | 3.0 | 1 |
| M91-1087 | PGBDYHI | 2.3 | 3.0 | 1 |
| M91-1092 | PTBIYbLI | 2.1 | 2.0 | 1 |
| M91-1137 | PGBDYbFI | 3.0 | 2.5 | 1 |
| M91-1175 | PGBIYIbI | 2.3 | 2.5 | 3 |
| M91-1183 | PTBIYbLI | 2.5 | 2.0 | 1 |
| M91-1185 | PGBDYIbI | 2.3 | 3.5 | 1 |
| M91-1210 | PTBDYBrI | 2.5 | 2.0 | 1 |
| M91-1590 | PWGTDYbFI | 2.0 | 3.0 | 3 |
| RCAT 9403 | PGB+TSYbFI | 3.8 | 4.0 | 2 |
| RCAT 9404 | PGBDYbFI | 4.1 | 3.0 | 3 |
| SD93-659 | WGBDYbFI | 2.8 | 1.5 | 1 |
| SD93-859 | WGBDYbFI | 2.6 | 2.0 | 4 |
| SD93-952 | WGTDYYI | 2.6 | 4.5 | 1 |
| SL93-60M | PTBDYbLI | 2.3 | 1.0 | 2 |
| SL93-78M | WGBDYYI | 2.3 | 3.0 | 3 |
| SL93-242M | PTBDYbLI | 2.0 | 2.5 | 1 |
| SL93-905M | PGBDYIbI | 2.1 | 2.5 | 2 |
| SL93-928M | PGBDYbFI | 2.6 | 3.0 | 1 |
| SL93-986M | PG+TBDYHI | 2.3 | 3.0 | 2 |
| SL93-1959M | WGBDYbFI | 2.6 | 4.0 | 2 |

PRELIMINARY TEST I, 1995

DISEASE DATA

| Strain | BTS | BSR-Ames | | PR | | PS |
|---------------|--------------------|-----------------|----------------|-------------------|------------------------|----------------|
| | Ames a Score | Plant n % | Stem n % | Ames Race 4 | Lafayette Race 7 | Laf. a % |
| Lambert (O) | 80 | 40 | 5 | S | S | 21 |
| Marcus BC (L) | 87 | 65 | 7 | R | R | 26 |
| Parker (I) | 99 | 65 | 7 | S | S | 6 |
| A94-572009 | 96 | 60 | 6 | S | S | 21 |
| A94-572028 | 84 | 65 | 9 | R | R | 1 |
| A94-572029 | 90 | 45 | 7 | R | R | 3 |
| A94-572033 | 89 | 15 | 1 | S | R | 12 |
| A94-572043 | 96 | 50 | 5 | S | S | 6 |
| A94-572046 | 87 | 30 | 3 | S | S | 15 |
| A94-572049 | 88 | 30 | 3 | S | S | 15 |
| A94-572053 | 84 | 50 | 6 | S | S | 33 |
| A94-574015 | 76 | 70 | 8 | S | S | 15 |
| A94-574019 | 87 | 65 | 9 | S | R | 1 |
| A94-574028 | 88 | 20 | 2 | S | R | 6 |
| E93147 | 83 | 50 | 5 | S | S | 6 |
| E93390 | 90 | 30 | 3 | S | S | 9 |
| M91-756 | 84 | 35 | 7 | S | S | 6 |
| M91-827 | 90 | 60 | 8 | S | S | 18 |
| M91-856 | 91 | 30 | 3 | S | S | 6 |
| M91-947 | 87 | 30 | 6 | S | S | 9 |
| M91-1087 | 93 | 65 | 11 | S | S | 3 |
| M91-1092 | 92 | 60 | 9 | S | S | 3 |
| M91-1137 | 97 | 45 | 10 | S | R | 12 |
| M91-1175 | 94 | 55 | 8 | S | H | 3 |
| M91-1183 | 96 | 35 | 4 | S | S | 9 |
| M91-1185 | 86 | 40 | 5 | S | S | 3 |
| M91-1210 | 93 | 40 | 4 | S | S | 18 |
| M91-1590 | 80 | 30 | 5 | R | R | 18 |
| RCAT 9403 | 72 | 45 | 9 | R | S | 6 |
| RCAT 9404 | 85 | 75 | 10 | R | S | 9 |
| SD93-659 | 103 | 35 | 7 | S | S | 15 |
| SD93-859 | 108 | 35 | 5 | R | S | 15 |
| SD93-952 | 72 | 25 | 4 | S | S | 1 |
| SL93-60M | 91 | 55 | 7 | S | S | 3 |
| SL93-78M | 86 | 50 | 11 | S | R | 3 |
| SL93-242M | 84 | 60 | 9 | S | S | 45 |
| SL93-905M | 91 | 50 | 6 | S | S | 1 |
| SL93-928M | 75 | 65 | 10 | S | S | 12 |
| SL93-986M | 87 | 55 | 8 | S | S | 6 |
| SL93-1959M | 98 | 30 | 3 | S | S | 30 |

PRELIMINARY TEST I, 1995

REGIONAL SUMMARY

| No. of Tests Strain | Yield 6 bu/a | Rank 6 No. | Maturity 5 Date | Lodging 6 Score | Plant Height 6 In. | Seed Quality 6 Score | Seed Size 6 g/100 | Composition | |
|------------------------|--------------------|------------------|-----------------------|-----------------------|-----------------------------|-------------------------------|----------------------------|-------------------|---------------|
| | | | | | | | | Protein 5 % | Oil 5 % |
| Lambert (O) | 42.7 | 40 | -4.6 | 1.5 | 29 | 2.2 | 16.9 | 42.8 | 20.6 |
| Marcus BC (L) | 54.0 | 2 | 4.6 | 1.7 | 34 | 2.3 | 16.4 | 40.9 | 20.6 |
| Parker (I) | 49.0 | 27 | 09/18* | 2.1 | 38 | 2.1 | 18.1 | 41.4 | 20.6 |
| A94-572009 | 50.6 | 17 | 3.6 | 2.1 | 39 | 2.3 | 15.9 | 42.4 | 20.2 |
| A94-572028 | 52.4 | 4 | -0.8 | 1.3 | 31 | 1.3 | 17.7 | 41.0 | 20.4 |
| A94-572029 | 54.1 | 1 | 2.8 | 1.5 | 36 | 1.5 | 16.4 | 41.7 | 20.5 |
| A94-572033 | 47.5 | 36 | 9.2 | 2.3 | 39 | 2.0 | 18.0 | 41.7 | 20.1 |
| A94-572043 | 50.7 | 14 | 8.0 | 2.0 | 37 | 1.6 | 17.3 | 42.6 | 20.4 |
| A94-572046 | 50.5 | 18 | 5.6 | 1.9 | 35 | 2.1 | 14.6 | 40.4 | 20.4 |
| A94-572049 | 51.9 | 8 | 10.4 | 1.4 | 35 | 2.1 | 13.5 | 39.7 | 20.4 |
| A94-572053 | 52.4 | 4 | 7.8 | 2.2 | 37 | 2.2 | 15.2 | 39.2 | 20.6 |
| A94-574015 | 49.6 | 24 | 1.0 | 1.6 | 32 | 1.9 | 17.1 | 41.0 | 20.1 |
| A94-574019 | 51.9 | 8 | 1.4 | 1.6 | 32 | 1.7 | 18.7 | 42.1 | 19.6 |
| A94-574028 | 50.9 | 11 | 1.6 | 2.1 | 35 | 1.3 | 17.8 | 41.9 | 20.2 |
| E93147 | 52.1 | 7 | 1.2 | 1.5 | 32 | 2.1 | 17.0 | 39.8 | 19.9 |
| E93390 | 50.8 | 12 | 2.0 | 1.3 | 34 | 1.5 | 16.7 | 42.5 | 19.8 |
| M91-756 | 47.6 | 35 | -0.4 | 1.5 | 35 | 1.8 | 19.0 | 43.0 | 20.1 |
| M91-827 | 50.7 | 14 | 0.2 | 2.3 | 39 | 1.4 | 15.6 | 41.4 | 19.8 |
| M91-856 | 50.1 | 22 | -0.4 | 1.5 | 36 | 1.8 | 17.1 | 41.8 | 20.2 |
| M91-947 | 52.3 | 6 | 2.0 | 1.9 | 36 | 2.0 | 16.7 | 41.3 | 20.5 |
| M91-1087 | 50.2 | 21 | 1.6 | 1.3 | 34 | 1.6 | 19.6 | 43.6 | 20.0 |
| M91-1092 | 48.1 | 33 | -0.6 | 1.2 | 33 | 1.4 | 19.9 | 44.1 | 19.7 |
| M91-1137 | 53.4 | 3 | 1.4 | 1.6 | 36 | 1.7 | 15.2 | 41.8 | 20.8 |
| M91-1175 | 50.8 | 12 | 0.4 | 1.6 | 33 | 1.8 | 18.2 | 41.9 | 20.2 |
| M91-1183 | 48.6 | 30 | 0.4 | 1.4 | 36 | 1.6 | 19.0 | 42.5 | 19.8 |
| M91-1185 | 51.3 | 10 | -0.8 | 1.3 | 32 | 1.8 | 19.1 | 42.1 | 20.2 |
| M91-1210 | 46.4 | 37 | -1.2 | 1.9 | 35 | 1.8 | 17.5 | 43.2 | 20.1 |
| M91-1590 | 48.4 | 31 | 1.4 | 1.2 | 33 | 1.8 | 17.8 | 43.7 | 20.3 |
| RCAT 9403 | 50.7 | 16 | 2.0 | 1.5 | 31 | 1.9 | 19.3 | 41.5 | 20.5 |
| RCAT 9404 | 49.7 | 23 | 1.6 | 1.5 | 33 | 1.7 | 17.9 | 40.8 | 20.0 |
| SD93-659 | 48.0 | 34 | 1.0 | 2.5 | 38 | 1.9 | 16.8 | 41.7 | 20.0 |
| SD93-859 | 48.7 | 29 | 0.8 | 2.6 | 40 | 1.8 | 15.9 | 40.3 | 20.4 |
| SD93-952 | 46.1 | 39 | -1.4 | 1.7 | 31 | 1.6 | 17.7 | 40.9 | 20.4 |
| SL93-60M | 48.8 | 28 | -2.4 | 1.5 | 33 | 1.8 | 21.4 | 43.8 | 19.9 |
| SL93-78M | 49.3 | 25 | 0.4 | 1.7 | 33 | 1.8 | 17.6 | 42.5 | 19.7 |
| SL93-242M | 48.3 | 32 | 2.4 | 1.2 | 33 | 1.8 | 18.2 | 41.6 | 19.9 |
| SL93-905M | 50.5 | 18 | -0.2 | 1.8 | 34 | 1.8 | 17.5 | 41.1 | 21.0 |
| SL93-928M | 46.4 | 37 | -2.2 | 1.2 | 30 | 2.1 | 17.3 | 41.2 | 20.6 |
| SL93-986M | 50.3 | 20 | 1.0 | 1.9 | 35 | 2.0 | 19.8 | 42.0 | 20.1 |
| SL93-1959M | 49.1 | 26 | -0.4 | 2.0 | 37 | 1.9 | 15.0 | 40.6 | 20.4 |

* 128.4 Days After Planting

PRELIMINARY TEST I, 1995

YIELD (bu/a)

| Strain | Mean 6 Tests | Kanawha IA | Poca- hontas IA | Ingham County MI | Lamberton MN | Waseca MN | Brookings SD |
|---------------|--------------------|---------------|-----------------------|------------------------|-----------------|--------------|-----------------|
| Lambert (O) | 42.7 | 41.7 | 50.1 | 31.8 | 42.0 | 45.8 | 44.9 |
| Marcus BC (L) | 54.0 | 51.8 | 54.3 | 56.3 | 54.9 | 66.5 | 40.3 |
| Parker (I) | 49.0 | 52.6 | 53.7 | 51.3 | 43.4 | 50.2 | 42.9 |
| A94-572009 | 50.6 | 53.1 | 53.3 | 53.1 | 44.7 | 60.4 | 38.9 |
| A94-572028 | 52.4 | 57.8 | 55.0 | 48.4 | 50.7 | 51.7 | 50.5 |
| A94-572029 | 54.1 | 55.3 | 56.5 | 58.8 | 53.1 | 57.1 | 43.7 |
| A94-572033 | 47.5 | 44.6 | 44.9 | 56.2 | 45.3 | 59.2 | 34.5 |
| A94-572043 | 50.7 | 53.1 | 47.8 | 58.8 | 47.7 | 58.2 | 38.6 |
| A94-572046 | 50.5 | 54.9 | 49.0 | 53.3 | 48.2 | 57.9 | 39.9 |
| A94-572049 | 51.9 | 54.0 | 51.0 | 54.7 | 52.7 | 58.0 | 41.1 |
| A94-572053 | 52.4 | 48.8 | 52.4 | 61.9 | 48.7 | 62.2 | 40.4 |
| A94-574015 | 49.6 | 53.2 | 49.4 | 54.5 | 48.6 | 53.2 | 38.6 |
| A94-574019 | 51.9 | 52.8 | 51.2 | 59.6 | 48.7 | 60.7 | 38.6 |
| A94-574028 | 50.9 | 49.4 | 50.7 | 60.6 | 48.9 | 55.5 | 40.5 |
| E93147 | 52.1 | 51.0 | 56.3 | 55.7 | 51.4 | 56.7 | 41.3 |
| E93390 | 50.8 | 57.1 | 54.3 | 45.7 | 49.1 | 55.7 | 42.7 |
| M91-756 | 47.6 | 49.1 | 57.6 | 39.7 | 42.9 | 55.6 | 40.9 |
| M91-827 | 50.7 | 52.5 | 55.3 | 55.6 | 44.5 | 57.2 | 39.0 |
| M91-856 | 50.1 | 50.4 | 52.6 | 48.2 | 48.8 | 55.3 | 45.1 |
| M91-947 | 52.3 | 52.7 | 56.3 | 57.5 | 47.7 | 57.6 | 42.1 |
| M91-1087 | 50.2 | 53.3 | 55.5 | 49.0 | 48.3 | 57.4 | 37.8 |
| M91-1092 | 48.1 | 49.8 | 49.9 | 52.4 | 46.5 | 48.9 | 40.8 |
| M91-1137 | 53.4 | 54.8 | 54.6 | 58.8 | 51.8 | 57.2 | 43.0 |
| M91-1175 | 50.8 | 56.6 | 53.7 | 45.8 | 49.3 | 55.7 | 43.6 |
| M91-1183 | 48.6 | 50.7 | 51.4 | 50.1 | 45.8 | 55.4 | 38.2 |
| M91-1185 | 51.3 | 54.0 | 59.1 | 49.3 | 46.1 | 56.2 | 43.0 |
| M91-1210 | 46.4 | 50.5 | 52.4 | 33.1 | 48.5 | 52.2 | 41.7 |
| M91-1590 | 48.4 | 51.1 | 48.8 | 49.7 | 47.3 | 53.8 | 39.4 |
| RCAT 9403 | 50.7 | 52.4 | 55.9 | 50.2 | 46.7 | 57.7 | 41.0 |
| RCAT 9404 | 49.7 | 45.4 | 54.8 | 55.2 | 45.8 | 55.0 | 42.2 |
| SD93-659 | 48.0 | 50.8 | 58.5 | 42.4 | 45.9 | 51.0 | 39.1 |
| SD93-859 | 48.7 | 55.9 | 50.0 | 49.3 | 43.9 | 53.0 | 40.0 |
| SD93-952 | 46.1 | 43.9 | 52.8 | 49.2 | 45.4 | 49.4 | 35.8 |
| SL93-60M | 48.8 | 51.2 | 50.9 | 51.1 | 46.3 | 53.3 | 39.8 |
| SL93-78M | 49.3 | 50.5 | 53.2 | 53.9 | 48.5 | 54.0 | 35.9 |
| SL93-242M | 48.3 | 52.6 | 53.7 | 46.1 | 47.9 | 51.0 | 38.6 |
| SL93-905M | 50.5 | 51.3 | 57.1 | 48.4 | 48.9 | 59.1 | 38.0 |
| SL93-928M | 46.4 | 46.6 | 53.4 | 47.1 | 42.8 | 51.9 | 36.4 |
| SL93-986M | 50.3 | 54.6 | 55.0 | 50.2 | 50.0 | 54.2 | 38.0 |
| SL93-1959M | 49.1 | 54.1 | 52.0 | 48.2 | 45.3 | 53.5 | 41.6 |
| C.V. (%) | | 7.0 | 6.9 | 14.0 | 8.6 | 7.2 | 5.7 |
| L.S.D. (5%) | | 7.2 | 7.3 | 15.0 | 8.3 | 8.1 | 3.4 |
| Row Sp. (In.) | | 27 | 27 | 30 | 10 | 10 | 30 |
| Rows/Plot | | 4 | 4 | 4 | 4 | 4 | 4 |
| Reps | | 2 | 2 | 2 | 2 | 2 | 3 |

PRELIMINARY TEST I, 1995

YIELD RANK

| Strain | Yield Rank | Kanawha IA | Pocahontas IA | Ingham County MI | Lamberton MN | Waseca MN | Brookings SD |
|---------------|------------|------------|---------------|------------------|--------------|-----------|--------------|
| Lambert (O) | 40 | 40 | 33 | 40 | 40 | 40 | 3 |
| Marcus BC (L) | 2 | 22 | 15 | 8 | 1 | 1 | 21 |
| Parker (I) | 27 | 18 | 17 | 19 | 37 | 37 | 8 |
| A94-572009 | 17 | 14 | 21 | 17 | 34 | 4 | 29 |
| A94-572028 | 4 | 1 | 11 | 29 | 6 | 34 | 1 |
| A94-572029 | 1 | 5 | 5 | 4 | 2 | 15 | 4 |
| A94-572033 | 36 | 38 | 40 | 9 | 32 | 5 | 40 |
| A94-572043 | 14 | 14 | 39 | 4 | 21 | 7 | 30 |
| A94-572046 | 18 | 6 | 37 | 16 | 19 | 9 | 23 |
| A94-572049 | 8 | 10 | 30 | 13 | 3 | 8 | 15 |
| A94-572053 | 4 | 35 | 25 | 1 | 13 | 2 | 20 |
| A94-574015 | 24 | 13 | 36 | 14 | 15 | 30 | 30 |
| A94-574019 | 8 | 16 | 29 | 3 | 13 | 3 | 25 |
| A94-574028 | 11 | 33 | 32 | 2 | 10 | 21 | 19 |
| E93147 | 7 | 26 | 6 | 10 | 5 | 16 | 14 |
| E93390 | 12 | 2 | 15 | 36 | 9 | 18 | 9 |
| M91-756 | 35 | 34 | 3 | 38 | 38 | 20 | 17 |
| M91-827 | 14 | 20 | 10 | 11 | 35 | 13 | 28 |
| M91-856 | 22 | 31 | 24 | 31 | 12 | 23 | 2 |
| M91-947 | 6 | 17 | 6 | 7 | 21 | 11 | 11 |
| M91-1087 | 21 | 12 | 9 | 28 | 18 | 12 | 36 |
| M91-1092 | 33 | 32 | 35 | 18 | 25 | 39 | 18 |
| M91-1137 | 3 | 7 | 14 | 4 | 4 | 13 | 6 |
| M91-1175 | 12 | 3 | 17 | 35 | 8 | 18 | 5 |
| M91-1183 | 30 | 28 | 28 | 23 | 29 | 22 | 33 |
| M91-1185 | 10 | 10 | 1 | 25 | 27 | 17 | 6 |
| M91-1210 | 37 | 29 | 25 | 39 | 16 | 32 | 12 |
| M91-1590 | 31 | 25 | 38 | 24 | 23 | 27 | 26 |
| RCAT 9403 | 16 | 21 | 8 | 21 | 24 | 10 | 16 |
| RCAT 9404 | 23 | 37 | 13 | 12 | 29 | 24 | 10 |
| SD93-659 | 34 | 27 | 2 | 37 | 28 | 35 | 27 |
| SD93-859 | 29 | 4 | 34 | 25 | 36 | 31 | 22 |
| SD93-952 | 39 | 39 | 23 | 27 | 31 | 38 | 39 |
| SL93-60M | 28 | 24 | 31 | 20 | 26 | 29 | 24 |
| SL93-78M | 25 | 29 | 22 | 15 | 16 | 26 | 38 |
| SL93-242M | 32 | 18 | 17 | 34 | 20 | 35 | 30 |
| SL93-905M | 18 | 23 | 4 | 29 | 10 | 6 | 34 |
| SL93-928M | 37 | 36 | 20 | 33 | 39 | 33 | 37 |
| SL93-986M | 20 | 8 | 11 | 21 | 7 | 25 | 35 |
| SL93-1959M | 26 | 9 | 27 | 31 | 32 | 28 | 13 |

PRELIMINARY TEST I, 1995

MATURITY (date)

| Strain | Mean 5 Tests | Kanawha IA | Poca- hontas IA | Ingham County MI | Lamberton MN | Waseca MN | Brookings SD |
|----------------|--------------------|---------------|-----------------------|------------------------|-----------------|--------------|-----------------|
| Lambert (O) | -4.6 | -5 | | -6 | -2 | -5 | -5 |
| Marcus BC (L) | 4.6 | 6 | | 3 | 6 | 4 | 4 |
| Parker (I) | 09/18 | 09/15 | | 09/19 | 09/20 | 09/14 | 09/24 |
| A94-572009 | 3.6 | 4 | | 5 | 0 | 4 | 5 |
| A94-572028 | -0.8 | 1 | | -3 | -1 | 0 | -1 |
| A94-572029 | 2.8 | 2 | | 5 | 2 | 1 | 4 |
| A94-572033 | 9.2 | 8 | | 8 | 10 | 15 | 5 |
| A94-572043 | 8.0 | 12 | | 7 | 6 | 10 | 5 |
| A94-572046 | 5.6 | 8 | | 2 | 6 | 6 | 6 |
| A94-572049 | 10.4 | 13 | | 9 | 8 | 16 | 6 |
| A94-572053 | 7.8 | 9 | | 8 | 8 | 9 | 5 |
| A94-574015 | 1.0 | 1 | | 2 | 2 | 0 | 0 |
| A94-574019 | 1.4 | 1 | | 4 | 2 | 1 | -1 |
| A94-574028 | 1.6 | 0 | | 4 | 2 | 1 | 1 |
| E93147 | 1.2 | 2 | | -5 | 4 | 2 | 3 |
| E93390 | 2.0 | 2 | | 3 | 3 | 1 | 1 |
| M91-756 | -0.4 | 0 | | -3 | 2 | -2 | 1 |
| M91-827 | 0.2 | 2 | | -3 | 1 | 0 | 1 |
| M91-856 | -0.4 | 1 | | -4 | 1 | 0 | 0 |
| M91-947 | 2.0 | 2 | | 4 | 1 | 2 | 1 |
| M91-1087 | 1.6 | 1 | | 2 | 2 | 2 | 1 |
| M91-1092 | -0.6 | -2 | | 2 | -1 | -1 | -1 |
| M91-1137 | 1.4 | 2 | | 3 | 1 | 1 | 0 |
| M91-1175 | 0.4 | 0 | | 0 | 0 | 2 | 0 |
| M91-1183 | 0.4 | 0 | | 1 | 0 | 1 | 0 |
| M91-1185 | -0.8 | -1 | | 0 | -1 | -2 | 0 |
| M91-1210 | -1.2 | -1 | | -3 | 1 | -1 | -2 |
| M91-1590 | 1.4 | 2 | | 2 | 1 | 1 | 1 |
| RCAT 9403 | 2.0 | 3 | | 2 | 2 | 1 | 2 |
| RCAT 9404 | 1.6 | 1 | | 2 | 1 | 1 | 3 |
| SD93-659 | 1.0 | 2 | | 0 | 2 | 1 | 0 |
| SD93-859 | 0.8 | 1 | | 1 | 2 | 0 | 0 |
| SD93-952 | -1.4 | -2 | | -2 | 0 | 0 | -3 |
| SL93-60M | -2.4 | -2 | | -2 | -2 | -3 | -3 |
| SL93-78M | 0.4 | 0 | | 1 | 1 | 0 | 0 |
| SL93-242M | 2.4 | 3 | | 3 | 3 | 1 | 2 |
| SL93-905M | -0.2 | 0 | | -2 | 1 | 0 | 0 |
| SL93-928M | -2.2 | -2 | | -3 | -1 | -3 | -2 |
| SL93-986M | 1.0 | 2 | | 2 | 1 | 1 | -1 |
| SL93-1959M | -0.4 | 0 | | -1 | 1 | 0 | -2 |
| Date Planted | 05/13 | 05/12 | | 05/23 | 05/24 | 05/02 | 05/04 |
| Days to Mature | 128.4 | 126 | | 119 | 119 | 135 | 143 |

PRELIMINARY TEST I, 1995

LODGING (score)

| Strain | Mean 6 Tests | Kanawha IA | Poca- hontas IA | Ingham County MI | Lamberton MN | Waseca MN | Brookings SD |
|---------------|--------------------|---------------|-----------------------|------------------------|-----------------|--------------|-----------------|
| Lambert (O) | 1.5 | 1.0 | 1.2 | 1.5 | 2.0 | 2.0 | 1.0 |
| Marcus BC (L) | 1.7 | 1.4 | 1.3 | 2.0 | 2.0 | 2.5 | 1.0 |
| Parker (I) | 2.1 | 1.5 | 1.2 | 2.5 | 2.5 | 3.0 | 2.0 |
| A94-572009 | 2.1 | 2.0 | 1.7 | 2.0 | 1.5 | 2.5 | 3.0 |
| A94-572028 | 1.3 | 1.2 | 1.0 | 1.5 | 1.5 | 1.5 | 1.0 |
| A94-572029 | 1.5 | 1.4 | 1.3 | 2.0 | 1.0 | 2.0 | 1.0 |
| A94-572033 | 2.3 | 1.6 | 2.3 | 3.0 | 2.0 | 3.0 | 2.0 |
| A94-572043 | 2.0 | 1.9 | 1.7 | 2.0 | 2.0 | 2.5 | 2.0 |
| A94-572046 | 1.9 | 1.8 | 1.8 | 2.0 | 2.0 | 2.5 | 1.0 |
| A94-572049 | 1.4 | 1.3 | 1.2 | 1.5 | 1.0 | 2.5 | 1.0 |
| A94-572053 | 2.2 | 1.7 | 1.6 | 2.5 | 2.5 | 3.0 | 2.0 |
| A94-574015 | 1.6 | 1.3 | 1.1 | 1.5 | 2.5 | 2.0 | 1.0 |
| A94-574019 | 1.6 | 1.4 | 1.2 | 1.5 | 2.5 | 2.0 | 1.0 |
| A94-574028 | 2.1 | 1.5 | 1.3 | 2.5 | 3.0 | 3.0 | 1.0 |
| E93147 | 1.5 | 1.2 | 1.2 | 1.5 | 2.0 | 2.0 | 1.0 |
| E93390 | 1.3 | 1.1 | 1.1 | 1.0 | 1.5 | 2.0 | 1.0 |
| M91-756 | 1.5 | 1.4 | 1.0 | 1.0 | 2.5 | 2.0 | 1.0 |
| M91-827 | 2.3 | 1.6 | 1.3 | 2.0 | 4.0 | 3.0 | 2.0 |
| M91-856 | 1.5 | 1.5 | 1.1 | 1.5 | 1.5 | 2.5 | 1.0 |
| M91-947 | 1.9 | 1.5 | 1.3 | 1.5 | 2.5 | 2.5 | 2.0 |
| M91-1087 | 1.3 | 1.1 | 1.0 | 1.0 | 1.5 | 2.0 | 1.0 |
| M91-1092 | 1.2 | 1.2 | 1.1 | 1.0 | 1.0 | 2.0 | 1.0 |
| M91-1137 | 1.6 | 1.2 | 1.2 | 1.5 | 2.5 | 2.0 | 1.0 |
| M91-1175 | 1.6 | 1.4 | 1.1 | 1.5 | 2.5 | 2.0 | 1.0 |
| M91-1183 | 1.4 | 1.3 | 1.2 | 1.5 | 1.5 | 2.0 | 1.0 |
| M91-1185 | 1.3 | 1.2 | 1.1 | 1.0 | 1.5 | 2.0 | 1.0 |
| M91-1210 | 1.9 | 1.7 | 1.2 | 2.0 | 2.5 | 3.0 | 1.0 |
| M91-1590 | 1.2 | 1.2 | 1.1 | 1.0 | 1.0 | 2.0 | 1.0 |
| RCAT 9403 | 1.5 | 1.2 | 1.2 | 2.0 | 1.5 | 2.0 | 1.0 |
| RCAT 9404 | 1.5 | 1.3 | 1.1 | 1.0 | 2.0 | 2.5 | 1.0 |
| SD93-659 | 2.5 | 1.7 | 1.5 | 2.5 | 4.0 | 3.0 | 2.0 |
| SD93-859 | 2.6 | 1.8 | 1.7 | 2.0 | 5.0 | 3.0 | 2.0 |
| SD93-952 | 1.7 | 1.2 | 1.2 | 1.0 | 2.5 | 3.0 | 1.0 |
| SL93-60M | 1.5 | 1.6 | 1.1 | 1.0 | 2.0 | 2.5 | 1.0 |
| SL93-78M | 1.7 | 1.5 | 1.2 | 2.0 | 2.0 | 2.5 | 1.0 |
| SL93-242M | 1.2 | 1.2 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 |
| SL93-905M | 1.8 | 1.4 | 1.2 | 1.5 | 2.5 | 3.0 | 1.0 |
| SL93-928M | 1.2 | 1.0 | 1.1 | 1.0 | 1.0 | 2.0 | 1.0 |
| SL93-986M | 1.9 | 1.4 | 1.2 | 2.0 | 2.5 | 3.0 | 1.0 |
| SL93-1959M | 2.0 | 1.6 | 1.4 | 2.0 | 3.0 | 3.0 | 1.0 |

PRELIMINARY TEST I, 1995

PLANT HEIGHT (inches)

| Strain | Mean 6 Tests | Kanawha IA | Poca- hontas IA | Ingham County MI | Lamberton MN | Waseca MN | Brookings SD |
|---------------|--------------------|---------------|-----------------------|------------------------|-----------------|--------------|-----------------|
| Lambert (O) | 29 | 23 | 30 | 28 | 33 | 29 | 29 |
| Marcus BC (L) | 34 | 34 | 32 | 34 | 37 | 37 | 30 |
| Parker (I) | 38 | 36 | 36 | 34 | 41 | 42 | 36 |
| A94-572009 | 39 | 40 | 38 | 33 | 41 | 43 | 37 |
| A94-572028 | 31 | 31 | 30 | 30 | 34 | 32 | 31 |
| A94-572029 | 36 | 35 | 34 | 34 | 42 | 36 | 36 |
| A94-572033 | 39 | 38 | 38 | 34 | 43 | 41 | 37 |
| A94-572043 | 37 | 37 | 36 | 37 | 40 | 39 | 34 |
| A94-572046 | 35 | 36 | 34 | 33 | 38 | 39 | 32 |
| A94-572049 | 35 | 34 | 33 | 31 | 39 | 39 | 32 |
| A94-572053 | 37 | 36 | 38 | 32 | 40 | 41 | 32 |
| A94-574015 | 32 | 34 | 28 | 31 | 38 | 34 | 26 |
| A94-574019 | 32 | 32 | 31 | 34 | 37 | 34 | 26 |
| A94-574028 | 35 | 36 | 34 | 38 | 37 | 35 | 29 |
| E93147 | 32 | 33 | 32 | 31 | 35 | 36 | 27 |
| E93390 | 34 | 36 | 32 | 29 | 35 | 38 | 32 |
| M91-756 | 35 | 36 | 35 | 31 | 38 | 38 | 31 |
| M91-827 | 39 | 36 | 38 | 38 | 44 | 42 | 38 |
| M91-856 | 36 | 37 | 34 | 34 | 41 | 40 | 32 |
| M91-947 | 36 | 34 | 35 | 40 | 39 | 36 | 34 |
| M91-1087 | 34 | 34 | 30 | 30 | 38 | 38 | 31 |
| M91-1092 | 33 | 32 | 30 | 32 | 36 | 36 | 31 |
| M91-1137 | 36 | 37 | 38 | 36 | 39 | 36 | 32 |
| M91-1175 | 33 | 34 | 30 | 30 | 36 | 36 | 30 |
| M91-1183 | 36 | 35 | 32 | 35 | 41 | 38 | 33 |
| M91-1185 | 32 | 33 | 32 | 29 | 37 | 35 | 28 |
| M91-1210 | 35 | 36 | 34 | 29 | 39 | 38 | 32 |
| M91-1590 | 33 | 33 | 30 | 30 | 39 | 35 | 28 |
| RCAT 9403 | 31 | 29 | 29 | 31 | 36 | 30 | 30 |
| RCAT 9404 | 33 | 33 | 32 | 31 | 36 | 36 | 28 |
| SD93-659 | 38 | 36 | 38 | 34 | 44 | 39 | 38 |
| SD93-859 | 40 | 38 | 38 | 37 | 45 | 42 | 37 |
| SD93-952 | 31 | 28 | 31 | 31 | 36 | 37 | 25 |
| SL93-60M | 33 | 32 | 30 | 32 | 37 | 37 | 31 |
| SL93-78M | 33 | 34 | 32 | 36 | 38 | 34 | 23 |
| SL93-242M | 33 | 33 | 31 | 31 | 38 | 37 | 30 |
| SL93-905M | 34 | 35 | 34 | 31 | 37 | 34 | 31 |
| SL93-928M | 30 | 30 | 30 | 27 | 32 | 32 | 30 |
| SL93-986M | 35 | 36 | 34 | 31 | 40 | 36 | 31 |
| SL93-1959M | 37 | 34 | 36 | 35 | 42 | 38 | 39 |

PRELIMINARY TEST I, 1995

SEED QUALITY (score)

| Strain | Mean 6 Tests | Kanawha IA | Poca- hontas IA | Ingham County MI | Lamberton MN | Waseca MN | Brookings SD |
|---------------|--------------------|---------------|-----------------------|------------------------|-----------------|--------------|-----------------|
| Lambert (O) | 2.2 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 1.0 |
| Marcus BC (L) | 2.3 | 1.0 | 2.0 | 1.5 | 3.5 | 3.5 | 2.0 |
| Parker (I) | 2.1 | 1.0 | 1.0 | 2.5 | 3.5 | 3.5 | 1.0 |
| A94-572009 | 2.3 | 2.0 | 2.0 | 1.5 | 3.0 | 2.5 | 3.0 |
| A94-572028 | 1.3 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 |
| A94-572029 | 1.5 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| A94-572033 | 2.0 | 1.0 | 3.0 | 1.5 | 3.0 | 1.5 | 2.0 |
| A94-572043 | 1.6 | 1.0 | 2.0 | 1.0 | 1.5 | 2.0 | 2.0 |
| A94-572046 | 2.1 | 2.0 | 2.0 | 2.0 | 2.0 | 2.5 | 2.0 |
| A94-572049 | 2.1 | 2.0 | 2.0 | 2.0 | 2.5 | 2.0 | 2.0 |
| A94-572053 | 2.2 | 2.0 | 2.0 | 1.5 | 3.0 | 2.5 | 2.0 |
| A94-574015 | 1.9 | 1.0 | 1.0 | 2.0 | 2.5 | 3.0 | 2.0 |
| A94-574019 | 1.7 | 1.0 | 1.0 | 1.5 | 2.0 | 2.5 | 2.0 |
| A94-574028 | 1.3 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 |
| E93147 | 2.1 | 1.0 | 1.0 | 2.0 | 2.5 | 3.0 | 3.0 |
| E93390 | 1.5 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| M91-756 | 1.8 | 1.0 | 1.0 | 2.5 | 1.5 | 3.0 | 2.0 |
| M91-827 | 1.4 | 1.0 | 1.0 | 1.5 | 1.5 | 2.5 | 1.0 |
| M91-856 | 1.8 | 1.0 | 1.0 | 1.5 | 2.5 | 2.5 | 2.0 |
| M91-947 | 2.0 | 1.0 | 1.0 | 2.0 | 2.5 | 2.5 | 3.0 |
| M91-1087 | 1.6 | 1.0 | 1.0 | 1.5 | 2.0 | 2.0 | 2.0 |
| M91-1092 | 1.4 | 1.0 | 1.0 | 1.5 | 1.5 | 2.5 | 1.0 |
| M91-1137 | 1.7 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 |
| M91-1175 | 1.8 | 1.0 | 1.0 | 1.5 | 2.5 | 3.5 | 1.0 |
| M91-1183 | 1.6 | 1.0 | 1.0 | 1.5 | 2.0 | 2.0 | 2.0 |
| M91-1185 | 1.8 | 1.0 | 1.0 | 1.5 | 2.5 | 3.0 | 2.0 |
| M91-1210 | 1.8 | 1.0 | 1.0 | 2.0 | 2.0 | 2.5 | 2.0 |
| M91-1590 | 1.8 | 1.0 | 1.0 | 1.5 | 2.5 | 3.0 | 2.0 |
| RCAT 9403 | 1.9 | 1.0 | 1.0 | 2.0 | 2.5 | 3.0 | 2.0 |
| RCAT 9404 | 1.7 | 1.0 | 1.0 | 1.5 | 3.0 | 2.5 | 1.0 |
| SD93-659 | 1.9 | 1.0 | 1.0 | 1.5 | 3.0 | 3.0 | 2.0 |
| SD93-859 | 1.8 | 1.0 | 1.0 | 1.5 | 3.0 | 3.0 | 1.0 |
| SD93-952 | 1.6 | 1.0 | 1.0 | 1.5 | 2.5 | 2.5 | 1.0 |
| SL93-60M | 1.8 | 1.0 | 1.0 | 1.5 | 3.0 | 2.0 | 2.0 |
| SL93-78M | 1.8 | 1.0 | 1.0 | 1.5 | 3.0 | 2.0 | 2.0 |
| SL93-242M | 1.8 | 1.0 | 1.0 | 1.5 | 3.0 | 2.5 | 2.0 |
| SL93-905M | 1.8 | 1.0 | 1.0 | 1.5 | 3.0 | 2.0 | 2.0 |
| SL93-928M | 2.1 | 1.0 | 1.0 | 1.5 | 4.0 | 3.0 | 2.0 |
| SL93-986M | 2.0 | 1.0 | 1.0 | 1.5 | 3.0 | 2.5 | 3.0 |
| SL93-1959M | 1.9 | 1.0 | 1.0 | 2.0 | 3.0 | 2.5 | 2.0 |

PRELIMINARY TEST I, 1995

SEED SIZE (g/100)

| Strain | Mean 6 Tests | Kanawha IA | Poca- hontas IA | Ingham County MI | Lamberton MN | Waseca MN | Brookings SD |
|---------------|--------------------|---------------|-----------------------|------------------------|-----------------|--------------|-----------------|
| Lambert (O) | 16.9 | 17.2 | 14.8 | 18.5 | 15.8 | 17.5 | 17.5 |
| Marcus BC (L) | 16.4 | 15.8 | 16.2 | 17.1 | 15.5 | 17.8 | 16.0 |
| Parker (I) | 18.1 | 18.6 | 18.2 | 19.7 | 16.4 | 18.7 | 17.0 |
| A94-572009 | 15.9 | 15.4 | 16.4 | 16.6 | 14.0 | 17.2 | 15.5 |
| A94-572028 | 17.7 | 17.7 | 17.0 | 18.2 | 17.1 | 17.8 | 18.5 |
| A94-572029 | 16.4 | 16.2 | 16.0 | 18.1 | 15.1 | 17.5 | 15.5 |
| A94-572033 | 18.0 | 17.8 | 18.0 | 19.2 | 16.1 | 20.4 | 16.5 |
| A94-572043 | 17.3 | 16.6 | 16.5 | 18.5 | 16.7 | 18.9 | 16.5 |
| A94-572046 | 14.6 | 14.4 | 14.8 | 16.2 | 13.2 | 15.3 | 13.5 |
| A94-572049 | 13.5 | 13.2 | 13.6 | 15.2 | 12.8 | 13.7 | 12.5 |
| A94-572053 | 15.2 | 14.6 | 14.6 | 16.4 | 14.0 | 17.5 | 14.0 |
| A94-574015 | 17.1 | 17.0 | 16.0 | 16.8 | 16.4 | 18.3 | 18.0 |
| A94-574019 | 18.7 | 17.7 | 17.2 | 19.8 | 17.6 | 21.2 | 18.5 |
| A94-574028 | 17.8 | 16.9 | 15.8 | 21.2 | 15.9 | 19.0 | 18.0 |
| E93147 | 17.0 | 16.2 | 16.4 | 18.4 | 16.5 | 19.5 | 15.0 |
| E93390 | 16.7 | 17.2 | 16.4 | 16.9 | 15.7 | 18.0 | 16.0 |
| M91-756 | 19.0 | 17.8 | 19.3 | 20.5 | 17.5 | 20.6 | 18.5 |
| M91-827 | 15.6 | 14.6 | 16.0 | 16.9 | 14.4 | 16.7 | 15.0 |
| M91-856 | 17.1 | 17.1 | 16.5 | 18.3 | 16.1 | 19.2 | 15.5 |
| M91-947 | 16.7 | 16.0 | 16.4 | 18.4 | 15.7 | 18.9 | 15.0 |
| M91-1087 | 19.6 | 19.4 | 18.8 | 20.9 | 18.0 | 21.7 | 18.5 |
| M91-1092 | 19.9 | 19.0 | 19.4 | 21.5 | 17.3 | 22.2 | 20.0 |
| M91-1137 | 15.2 | 14.8 | 14.4 | 16.0 | 14.7 | 16.5 | 14.5 |
| M91-1175 | 18.2 | 17.6 | 18.3 | 19.2 | 16.5 | 20.0 | 17.5 |
| M91-1183 | 19.0 | 17.0 | 19.4 | 21.1 | 17.4 | 21.3 | 18.0 |
| M91-1185 | 19.1 | 18.0 | 18.8 | 20.4 | 18.4 | 20.5 | 18.5 |
| M91-1210 | 17.5 | 17.7 | 16.8 | 18.0 | 17.3 | 19.7 | 15.5 |
| M91-1590 | 17.8 | 18.0 | 16.6 | 19.1 | 17.0 | 20.2 | 16.0 |
| RCAT 9403 | 19.3 | 19.0 | 18.2 | 20.7 | 17.6 | 21.3 | 19.0 |
| RCAT 9404 | 17.9 | 16.8 | 16.0 | 19.8 | 15.5 | 21.1 | 18.0 |
| SD93-659 | 16.8 | 16.0 | 16.8 | 18.4 | 15.6 | 18.3 | 15.5 |
| SD93-859 | 15.9 | 15.4 | 15.4 | 17.3 | 14.4 | 17.0 | 16.0 |
| SD93-952 | 17.7 | 16.8 | 18.1 | 19.8 | 16.7 | 19.0 | 16.0 |
| SL93-60M | 21.4 | 21.6 | 20.4 | 22.8 | 20.1 | 23.4 | 20.0 |
| SL93-78M | 17.6 | 17.6 | 16.8 | 18.5 | 16.9 | 20.5 | 15.5 |
| SL93-242M | 18.2 | 17.8 | 17.4 | 19.4 | 16.8 | 20.4 | 17.5 |
| SL93-905M | 17.5 | 16.0 | 18.1 | 19.6 | 15.7 | 19.5 | 16.0 |
| SL93-928M | 17.3 | 17.8 | 17.4 | 17.7 | 16.2 | 18.4 | 16.5 |
| SL93-986M | 19.8 | 20.0 | 19.5 | 22.2 | 18.6 | 19.6 | 19.0 |
| SL93-1959M | 15.0 | 13.9 | 15.0 | 17.1 | 13.9 | 15.8 | 14.0 |

PRELIMINARY TEST I, 1995

PROTEIN (%)

| Strain | Mean 5 Tests | Kanawha IA | East Lansing MI | Lamberton MN | Waseca MN | Brookings SD |
|---------------|--------------------|---------------|-----------------------|-----------------|--------------|-----------------|
| Lambert (O) | 42.8 | 43.0 | 43.0 | 42.6 | 42.6 | 42.7 |
| Marcus BC (L) | 40.9 | 40.2 | 41.2 | 40.4 | 41.3 | 41.2 |
| Parker (I) | 41.4 | 40.5 | 41.5 | 41.1 | 42.1 | 41.8 |
| A94-572009 | 42.4 | 41.5 | 42.1 | 42.9 | 42.8 | 42.5 |
| A94-572028 | 41.0 | 40.6 | 41.4 | 41.3 | 40.5 | 41.2 |
| A94-572029 | 41.7 | 41.4 | 41.8 | 41.8 | 41.3 | 42.0 |
| A94-572033 | 41.7 | 42.1 | 41.9 | 40.7 | 42.1 | 41.7 |
| A94-572043 | 42.6 | 43.2 | 42.9 | 42.0 | 41.9 | 43.0 |
| A94-572046 | 40.4 | 40.7 | 40.1 | 40.1 | 40.6 | 40.7 |
| A94-572049 | 39.7 | 39.6 | 40.3 | 39.7 | 39.6 | 39.3 |
| A94-572053 | 39.2 | 39.4 | 39.1 | 38.2 | 40.6 | 38.7 |
| A94-574015 | 41.0 | 40.7 | 40.9 | 40.8 | 41.4 | 41.4 |
| A94-574019 | 42.1 | 42.4 | 41.4 | 41.8 | 42.2 | 42.5 |
| A94-574028 | 41.9 | 41.8 | 43.1 | 41.7 | 41.1 | 41.8 |
| E93147 | 39.8 | 38.6 | 40.5 | 39.0 | 40.3 | 40.8 |
| E93390 | 42.5 | 42.1 | 42.5 | 41.9 | 42.8 | 43.0 |
| M91-756 | 43.0 | 42.8 | 43.4 | 41.9 | 43.1 | 43.9 |
| M91-827 | 41.4 | 41.7 | 40.7 | 41.2 | 40.9 | 42.6 |
| M91-856 | 41.8 | 41.4 | 41.4 | 41.9 | 42.6 | 41.9 |
| M91-947 | 41.3 | 40.8 | 41.2 | 40.4 | 42.3 | 41.6 |
| M91-1087 | 43.6 | 42.6 | 44.4 | 42.7 | 44.2 | 44.1 |
| M91-1092 | 44.1 | 43.2 | 45.4 | 43.8 | 44.1 | 44.2 |
| M91-1137 | 41.8 | 41.1 | 42.6 | 41.4 | 42.0 | 41.8 |
| M91-1175 | 41.9 | 41.2 | 42.0 | 42.2 | 42.2 | 41.7 |
| M91-1183 | 42.5 | 41.4 | 43.0 | 42.7 | 42.8 | 42.6 |
| M91-1185 | 42.1 | 41.3 | 42.8 | 42.2 | 42.4 | 42.0 |
| M91-1210 | 43.2 | 42.5 | 43.2 | 43.4 | 43.3 | 43.5 |
| M91-1590 | 43.7 | 42.9 | 43.4 | 43.2 | 43.7 | 45.1 |
| RCAT 9403 | 41.5 | 40.8 | 41.6 | 41.5 | 41.4 | 42.2 |
| RCAT 9404 | 40.8 | 40.4 | 40.1 | 41.3 | 41.2 | 41.2 |
| SD93-659 | 41.7 | 41.2 | 42.2 | 40.7 | 42.6 | 41.9 |
| SD93-859 | 40.3 | 39.9 | 40.1 | 39.6 | 41.1 | 40.8 |
| SD93-952 | 40.9 | 40.0 | 40.9 | 41.0 | 41.4 | 41.0 |
| SL93-60M | 43.8 | 43.5 | 45.4 | 42.6 | 44.1 | 43.6 |
| SL93-78M | 42.5 | 42.0 | 42.3 | 42.4 | 43.3 | 42.6 |
| SL93-242M | 41.6 | 41.0 | 41.8 | 41.3 | 42.0 | 41.8 |
| SL93-905M | 41.1 | 40.4 | 41.2 | 40.8 | 41.6 | 41.7 |
| SL93-928M | 41.2 | 40.2 | 41.7 | 41.5 | 41.4 | 41.0 |
| SL93-986M | 42.0 | 41.1 | 42.5 | 42.0 | 42.4 | 42.1 |
| SL93-1959M | 40.6 | 39.7 | 40.1 | 40.9 | 41.7 | 40.8 |

PRELIMINARY TEST I, 1995

OIL (%)

| Strain | Mean 5 Tests | Kanawha IA | East Lansing MI | Lamberton MN | Waseca MN | Brookings SD |
|---------------|--------------------|---------------|-----------------------|-----------------|--------------|-----------------|
| Lambert (O) | 20.6 | 20.7 | 20.8 | 20.3 | 20.6 | 20.6 |
| Marcus BC (L) | 20.6 | 21.0 | 20.6 | 20.3 | 20.7 | 20.3 |
| Parker (I) | 20.6 | 20.7 | 20.5 | 20.3 | 21.1 | 20.3 |
| A94-572009 | 20.2 | 20.0 | 20.1 | 20.4 | 20.8 | 19.9 |
| A94-572028 | 20.4 | 20.8 | 20.4 | 20.4 | 20.9 | 19.7 |
| A94-572029 | 20.5 | 20.9 | 20.5 | 20.5 | 20.8 | 19.9 |
| A94-572033 | 20.1 | 20.4 | 20.1 | 19.7 | 20.7 | 19.7 |
| A94-572043 | 20.4 | 20.4 | 20.1 | 20.2 | 21.3 | 20.1 |
| A94-572046 | 20.4 | 21.3 | 19.8 | 19.9 | 21.3 | 19.7 |
| A94-572049 | 20.4 | 20.4 | 20.2 | 20.7 | 21.0 | 19.7 |
| A94-572053 | 20.6 | 20.5 | 20.7 | 20.1 | 21.0 | 20.8 |
| A94-574015 | 20.1 | 20.2 | 20.3 | 19.9 | 20.0 | 19.9 |
| A94-574019 | 19.6 | 19.6 | 19.8 | 19.0 | 20.1 | 19.3 |
| A94-574028 | 20.2 | 20.4 | 20.2 | 19.8 | 20.6 | 19.9 |
| E93147 | 19.9 | 20.4 | 20.1 | 20.0 | 20.2 | 18.9 |
| E93390 | 19.8 | 20.0 | 19.7 | 19.2 | 20.4 | 19.7 |
| M91-756 | 20.1 | 20.2 | 20.4 | 20.0 | 20.7 | 19.2 |
| M91-827 | 19.8 | 19.9 | 20.2 | 19.6 | 20.2 | 19.1 |
| M91-856 | 20.2 | 20.4 | 20.4 | 20.0 | 20.8 | 19.3 |
| M91-947 | 20.5 | 20.7 | 20.6 | 20.4 | 20.7 | 19.9 |
| M91-1087 | 20.0 | 20.4 | 20.0 | 19.6 | 20.7 | 19.5 |
| M91-1092 | 19.7 | 19.8 | 19.9 | 19.3 | 20.3 | 19.2 |
| M91-1137 | 20.8 | 20.9 | 20.5 | 20.8 | 21.2 | 20.4 |
| M91-1175 | 20.2 | 20.8 | 20.2 | 20.2 | 20.1 | 19.8 |
| M91-1183 | 19.8 | 20.0 | 20.1 | 19.5 | 20.3 | 19.2 |
| M91-1185 | 20.2 | 20.8 | 19.9 | 20.1 | 20.2 | 19.9 |
| M91-1210 | 20.1 | 20.5 | 20.3 | 20.0 | 20.1 | 19.4 |
| M91-1590 | 20.3 | 20.5 | 20.4 | 20.3 | 20.9 | 19.3 |
| RCAT 9403 | 20.5 | 20.3 | 21.8 | 19.9 | 20.9 | 19.6 |
| RCAT 9404 | 20.0 | 20.3 | 19.9 | 19.2 | 20.9 | 19.5 |
| SD93-659 | 20.0 | 20.2 | 20.3 | 20.0 | 19.9 | 19.7 |
| SD93-859 | 20.4 | 20.6 | 20.4 | 20.2 | 20.6 | 20.2 |
| SD93-952 | 20.4 | 20.7 | 20.7 | 20.2 | 20.1 | 20.2 |
| SL93-60M | 19.9 | 19.5 | 19.9 | 20.3 | 19.8 | 19.8 |
| SL93-78M | 19.7 | 20.3 | 19.5 | 19.1 | 20.3 | 19.1 |
| SL93-242M | 19.9 | 20.0 | 20.1 | 19.6 | 20.3 | 19.5 |
| SL93-905M | 21.0 | 21.4 | 20.8 | 21.1 | 21.5 | 20.1 |
| SL93-928M | 20.6 | 21.1 | 20.5 | 20.5 | 21.3 | 19.4 |
| SL93-986M | 20.1 | 20.1 | 20.2 | 20.5 | 20.2 | 19.7 |
| SL93-1959M | 20.4 | 20.6 | 20.9 | 20.3 | 20.4 | 19.9 |

UNIFORM TEST II, 1995

| Strain | Parentage | Previous* Testing | Generation Composited | Unique Traits |
|-----------------|--|----------------------|--------------------------|------------------|
| IA2007 BC (L) | IA2007 x Archer | 1 | BC3 F2 | Rps1-k |
| Marcus BC (I) | [Marcus(5) x Elgin 87] x [Marcus(5) x Preston BC-11-8] | UTI | BC4 F2 | Rps1-k,Rps6 |
| A91-607052 (II) | Elgin 87 x Marcus | 1 | F5 | |
| A92-627030 | Kenwood x Asgrow A3205 | 1 | F5 | |
| A93-552019 | LN86-983 x Asgrow A2234 | PTIIA | F5 | BSR |
| A93-552024 | LN86-983 x Marcus | PTIIA | F5 | BSR |
| A93-552028 | Archer x Kenwood | PTIIA | F5 | BRS |
| A93-554027 | Northrup King S19-90 x A86-301024 | PTIIA | F5 | |
| A93-554040 | Kenwood x Asgrow A3427 | PTIIA | F5 | |
| A93-554041 | A86-301024 x Kenwood | PTIIA | F5 | |
| A93-554053 | Marcus x Kenwood | PTIIA | F5 | |
| A93-555027 | [(A87-186011 x Northrup King S23-12) x Asgrow A2234] x A87-187020 | PTI | F5 | Chlo. resis. |
| A93-555031 | [(A87-186035 x Northrup King S23-12) x Sturdy] x A87-187020 | PTI | F5 | Chlo. resis. |
| E91031 | E84108 x Conrad | UTII '93 | F4 | |
| E93001 | Northrup King S23-12 x Elgin 87 | PTIIB | F5 | |
| HF91-070 | HM8473 x Elgin 87 | 1 | F5 | |
| HF91-078 | HM8473 x Elgin 87 | 1 | F5 | |
| LN89-3264 | Hobbit 87 x Elgin 87 | PTIIB | F5 | Rps1-k |
| LN90-4187 | Burlison x Asgrow A3733 | PTIIB | F5 | Rps1-b, Rps3 |
| ORC 9308 | T8508 x 9292 | PTIIB | F5 | |
| SD(M)92-1174 | Sturdy x Kato | PTIIB | F5 | |
| U92-2426 | UX110 x Northrup King S23-03 | 1 | F5 | |
| U93-2737 | UP3 Intermated Population | PTIIA | F5 | |

* Number of years in test or name of 1994 test

UNIFORM TEST II, 1995

DESCRIPTIVE DATA

| Strain | Descriptive Code | Chlorosis Score | | Emergence Score | Shattering Score |
|-----------------|------------------|-----------------|-----------|-----------------|------------------|
| | | Ames | Lamberton | Ames | Manhattan |
| IA2007 BC (L) | PTTDYBfI | 3.5 | 5.0 | 1 | 1 |
| Marcus BC (I) | WTTDYBfI | 4.1 | 5.0 | 1 | 1 |
| A91-607052 (II) | WTBShYbI | 2.8 | 3.5 | 5 | 1 |
| A92-627030 | PTBDYYI | 4.5 | 4.0 | 2 | 1 |
| A93-552019 | PTTShYbI | 2.0 | 2.0 | 5 | 1 |
| A93-552024 | PTTDYBrI | 3.1 | 2.5 | 1 | 1 |
| A93-552028 | PTTDYbI | 2.2 | 1.5 | 1 | 1 |
| A93-554027 | PTBIYbI | 4.2 | 4.5 | 1 | 1 |
| A93-554040 | PTBIYbI | 4.0 | 4.0 | 1 | 1 |
| A93-554041 | PTBShYbI | 2.7 | 3.5 | 2 | 1 |
| A93-554053 | WTBDYbI | 4.1 | 3.0 | 2 | 1 |
| A93-555027 | PGBShYYI | 3.2 | 5.0 | 3 | 3 |
| A93-555031 | PGBIYBfI | 3.0 | 2.0 | 4 | 2 |
| E91031 | PTTShYYI | 4.1 | 3.0 | 2 | 1 |
| E93001 | PGBDYbI | 3.1 | 2.0 | 5 | 1 |
| HF91-070 | PTBDYbI | 4.1 | 4.0 | 1 | 1 |
| HF91-078 | PTBDYbI | 3.8 | 4.0 | 1 | 2 |
| LN89-3264 | WTBShYbI | 3.0 | 4.0 | 2 | 1 |
| LN90-4187 | PTTDYbI | 2.8 | 2.0 | 1 | 1 |
| ORC 9308 | PTBDYBfI | 3.0 | 3.5 | 1 | 3 |
| SD(M)92-1174 | PGBShYIbI | 2.7 | 2.0 | 5 | 3 |
| U92-2426 | PGBDYBfI | 2.7 | 4.0 | 2 | 1 |
| U93-2737 | PGBDYIbI | 3.5 | 2.0 | 4 | 1 |

UNIFORM TEST II, 1995

DISEASE DATA

| Strain | BTS | BSR-Ames | | PR | | | | PS | PSB | Hd | Seed |
|-----------------|--------------------|-----------------|----------------|------------------------|-------------------------------|-------------------|-------------------|--------|---------------------|----|------|
| | Ames a Score | Plant n % | Stem n % | Custar Root Race | Urbana Rot Phyto Rot | Ames Race 4 | Laf. Race 7 | a % | Lafayette n % | | % |
| IA2007 BC (L) | 99 | 100 | 28 | 3.8 | 1.2 | R | R | 24 | 2 | 14 | |
| Marcus BC (I) | 89 | 100 | 35 | 5.2 | 1.0 | R | R | 26 | 0 | 24 | |
| A91-607052 (II) | 84 | 95 | 40 | 4.7 | 1.2 | R | R | 12 | 0 | 26 | |
| A92-627030 | 102 | 80 | 18 | 4.3 | 2.7 | S | S | 38 | 4 | 0 | |
| A93-552019 | 99 | 45 | 6 | 4.2 | 1.3 | H | S | 16 | 2 | 0 | |
| A93-552024 | 97 | 40 | 6 | 4.6 | 2.3 | S | S | 8 | 2 | 30 | |
| A93-552028 | 99 | 25 | 3 | 4.1 | 1.3 | R | R | 24 | 0 | 16 | |
| A93-554027 | 105 | 70 | 26 | 4.4 | 1.7 | H | R | 8 | 0 | 0 | |
| A93-554040 | 96 | 70 | 19 | 4.5 | 1.7 | S | S | 28 | 4 | 0 | |
| A93-554041 | 92 | 70 | 17 | 4.4 | 1.7 | S | R | 0 | 0 | 0 | |
| A93-554053 | 93 | 95 | 36 | 4.4 | 2.7 | S | H | 18 | 0 | 44 | |
| A93-555027 | 95 | 85 | 33 | 4.9 | 3.2 | S | S | 6 | 0 | 20 | |
| A93-555031 | 90 | 90 | 31 | 6.2 | 3.0 | S | S | 20 | 0 | 20 | |
| E91031 | 100 | 65 | 17 | 4.1 | 2.5 | S | S | 14 | 2 | 0 | |
| E93001 | 105 | 90 | 20 | 3.9 | 2.8 | R | S | 24 | 4 | 8 | |
| HF91-070 | 97 | 90 | 30 | 4.0 | 2.2 | R | R | 26 | 2 | 0 | |
| HF91-078 | 97 | 70 | 24 | 3.7 | 1.2 | R | R | 16 | 2 | 20 | |
| LN89-3264 | 95 | 85 | 28 | 4.1 | 1.2 | R | R | 32 | 2 | 0 | |
| LN90-4187 | 94 | 85 | 23 | 4.3 | 1.2 | R | R | 22 | 6 | 0 | |
| ORC 9308 | 98 | 100 | 31 | 4.2 | 1.2 | S | S | 28 | 4 | 0 | |
| SD(M)92-1174 | 95 | 90 | 25 | 4.4 | 1.7 | S | S | 4 | 2 | 0 | |
| U92-2426 | 94 | 100 | 47 | 4.5 | 2.5 | S | S | 14 | 4 | 18 | |
| U93-2737 | 96 | 100 | 42 | 4.3 | 2.5 | S | S | 24 | 0 | 6 | |

UNIFORM TEST II, 1995

REGIONAL SUMMARY

| No. of Tests Strain | Yield 19 bu/a | Rank 19 No. | Maturity 16 Date | Lodging 20 Score | Plant Height 20 In. | Seed Quality 20 Score | Seed Size 20 g/100 | Composition | |
|------------------------|---------------------|-------------------|------------------------|------------------------|------------------------------|--------------------------------|-----------------------------|-------------------|---------------|
| | | | | | | | | Protein 5 % | Oil 5 % |
| IA2007 BC (L) | 46.4 | 20 | 4.1 | 1.3 | 34 | 1.7 | 15.8 | 41.4 | 20.9 |
| Marcus BC (I) | 47.7 | 16 | -1.7 | 1.5 | 30 | 2.1 | 16.4 | 42.9 | 21.0 |
| A91-607052 (II) | 50.3 | 5 | 09/17* | 1.5 | 30 | 2.0 | 16.4 | 40.9 | 21.0 |
| A92-627030 | 50.3 | 5 | 4.3 | 1.5 | 34 | 2.4 | 14.6 | 42.6 | 20.5 |
| A93-552019 | 46.4 | 20 | 0.6 | 1.3 | 35 | 1.8 | 15.7 | 41.8 | 21.2 |
| A93-552024 | 48.2 | 11 | -1.4 | 1.8 | 34 | 1.7 | 15.9 | 42.2 | 21.1 |
| A93-552028 | 50.7 | 2 | 2.6 | 1.7 | 33 | 1.8 | 15.8 | 41.6 | 20.3 |
| A93-554027 | 49.7 | 8 | 0.6 | 1.5 | 34 | 1.4 | 17.8 | 41.9 | 20.3 |
| A93-554040 | 50.1 | 7 | 3.4 | 1.3 | 34 | 1.5 | 15.5 | 42.7 | 20.7 |
| A93-554041 | 47.9 | 14 | -0.5 | 1.6 | 31 | 1.5 | 16.2 | 42.3 | 20.0 |
| A93-554053 | 46.6 | 18 | -0.4 | 1.6 | 33 | 2.2 | 17.1 | 42.0 | 20.7 |
| A93-555027 | 48.1 | 12 | 0.1 | 1.5 | 33 | 2.2 | 16.8 | 41.9 | 20.7 |
| A93-555031 | 43.1 | 23 | -4.1 | 1.3 | 29 | 1.6 | 15.8 | 43.5 | 20.9 |
| E91031 | 49.6 | 9 | 0.7 | 1.3 | 33 | 1.4 | 14.8 | 41.0 | 20.8 |
| E93001 | 50.4 | 3 | 3.1 | 1.5 | 36 | 1.8 | 16.0 | 41.1 | 20.8 |
| HF91-070 | 48.0 | 13 | 5.4 | 1.7 | 35 | 1.8 | 14.3 | 41.8 | 20.4 |
| HF91-078 | 46.8 | 17 | 5.2 | 1.9 | 34 | 1.7 | 14.8 | 41.9 | 20.5 |
| LN89-3264 | 48.7 | 10 | 5.1 | 1.2 | 32 | 1.5 | 16.1 | 40.4 | 20.9 |
| LN90-4187 | 50.4 | 3 | 4.4 | 1.3 | 32 | 1.3 | 16.4 | 43.2 | 20.7 |
| ORC 9308 | 51.2 | 1 | 5.2 | 1.7 | 36 | 1.8 | 14.1 | 41.7 | 20.0 |
| SD(M)92-1174 | 45.8 | 22 | -3.3 | 1.6 | 33 | 1.8 | 16.7 | 43.1 | 19.9 |
| U92-2426 | 46.5 | 19 | 1.2 | 1.5 | 32 | 1.6 | 15.8 | 43.7 | 20.2 |
| U93-2737 | 47.9 | 14 | 1.9 | 1.5 | 34 | 1.8 | 15.2 | 41.4 | 21.0 |

* 117.0 Days After Planting

1994-1995 2-YEAR MEAN

| No. of Tests Strain | Yield 40 bu/a | Rank 40 No. | Maturity 35 Date | Lodging 41 Score | Plant Height 42 In. | Seed Quality 41 Score | Seed Size 40 g/100 | Composition | |
|------------------------|---------------------|-------------------|------------------------|------------------------|------------------------------|--------------------------------|-----------------------------|-------------------|---------------|
| | | | | | | | | Protein 9 % | Oil 9 % |
| IA2007R (L) | 52.4 | 5 | 4.5 | 1.6 | 36 | 1.7 | 17.4 | 40.9 | 20.7 |
| A91-607052 (II) | 54.8 | 2 | 9/16.0* | 1.7 | 31 | 1.9 | 17.4 | 40.1 | 21.1 |
| A92-627030 | 55.1 | 1 | 3.6 | 1.6 | 35 | 2.1 | 16.0 | 41.7 | 20.6 |
| HF91-070 | 53.1 | 3 | 5.0 | 1.9 | 36 | 1.7 | 15.9 | 41.2 | 20.5 |
| HF91-078 | 53.0 | 4 | 4.6 | 2.1 | 35 | 1.8 | 16.4 | 41.1 | 20.6 |
| U92-2426 | 52.3 | 6 | 1.7 | 1.7 | 34 | 1.7 | 16.9 | 42.5 | 20.3 |

* 121.5 Days After Planting

UNIFORM TEST II, 1995

YIELD (bu/a)

| Strain | Mean 19 Tests | Ames IA | Grand Junction IA | Keystone IA | Dekalb IL | Dwight IL |
|-----------------|---------------------|------------|-------------------------|----------------|--------------|--------------|
| IA2007 BC (L) | 46.4 | 58.8 | 54.7 | 55.5 | 57.9 | 46.1 |
| Marcus BC (I) | 47.7 | 60.8 | 55.0 | 56.9 | 52.4 | 44.6 |
| A91-607052 (II) | 50.3 | 64.3 | 61.9 | 58.2 | 57.9 | 42.9 |
| A92-627030 | 50.3 | 53.7 | 50.7 | 59.8 | 58.6 | 50.5 |
| A93-552019 | 46.4 | 53.0 | 50.1 | 54.9 | 63.0 | 34.2 |
| A93-552024 | 48.2 | 60.9 | 54.3 | 53.0 | 62.4 | 37.2 |
| A93-552028 | 50.7 | 57.4 | 57.4 | 56.4 | 61.9 | 44.2 |
| A93-554027 | 49.7 | 60.6 | 57.6 | 56.9 | 61.4 | 43.5 |
| A93-554040 | 50.1 | 59.8 | 55.8 | 57.5 | 59.9 | 43.1 |
| A93-554041 | 47.9 | 51.8 | 54.5 | 55.7 | 63.8 | 39.2 |
| A93-554053 | 46.6 | 61.1 | 56.0 | 56.6 | 53.3 | 39.9 |
| A93-555027 | 48.1 | 59.5 | 60.4 | 55.5 | 58.2 | 40.5 |
| A93-555031 | 43.1 | 56.7 | 50.8 | 52.1 | 40.0 | 35.5 |
| E91031 | 49.6 | 61.3 | 61.7 | 56.0 | 64.7 | 40.0 |
| E93001 | 50.4 | 61.4 | 58.2 | 59.7 | 62.5 | 36.6 |
| HF91-070 | 48.0 | 53.7 | 54.5 | 54.8 | 57.9 | 40.9 |
| HF91-078 | 46.8 | 54.5 | 48.0 | 56.6 | 56.8 | 39.7 |
| LN89-3264 | 48.7 | 59.9 | 53.7 | 59.6 | 60.9 | 48.2 |
| LN90-4187 | 50.4 | 58.9 | 55.7 | 58.5 | 64.3 | 43.5 |
| ORC 9308 | 51.2 | 57.8 | 52.5 | 63.4 | 59.3 | 51.1 |
| SD(M)92-1174 | 45.8 | 53.3 | 58.2 | 56.0 | 56.5 | 38.9 |
| U92-2426 | 46.5 | 62.4 | 47.7 | 59.0 | 58.2 | 40.7 |
| U93-2737 | 47.9 | 59.6 | 57.2 | 59.1 | 64.0 | 42.9 |
| C.V. (%) | | 5.1 | 7.3 | 4.7 | 7.6 | 13.2 |
| L.S.D. (5%) | | 4.9 | 6.6 | 4.3 | 7.4 | 9.3 |
| Row Sp. (In.) | | 27 | 27 | 27 | 30 | 30 |
| Rows/Plot | | 4 | 4 | 4 | 4 | 4 |
| Reps | | 3 | 3 | 3 | 3 | 3 |

UNIFORM TEST II, 1995

YIELD (bu/a)

| Strain | Urbana IL | Bluffton* IN | Lafayette IN | Ingham County MI | Lanawee County MI |
|-----------------|--------------|-----------------|-----------------|------------------------|-------------------------|
| IA2007 BC (L) | 46.0 | 16.2 | 37.9 | 50.3 | 62.7 |
| Marcus BC (I) | 37.4 | 19.8 | 35.2 | 43.6 | 60.3 |
| A91-607052 (II) | 40.1 | 16.0 | 35.2 | 55.1 | 63.9 |
| A92-627030 | 54.3 | 30.4 | 41.5 | 61.0 | 63.7 |
| A93-552019 | 41.5 | 17.2 | 40.3 | 52.9 | 62.4 |
| A93-552024 | 40.6 | 29.1 | 39.0 | 58.6 | 59.0 |
| A93-552028 | 54.1 | 24.2 | 36.5 | 58.8 | 63.9 |
| A93-554027 | 50.1 | 21.4 | 39.9 | 53.1 | 64.5 |
| A93-554040 | 49.7 | 28.1 | 34.0 | 57.7 | 64.9 |
| A93-554041 | 47.8 | 25.9 | 35.6 | 51.0 | 64.1 |
| A93-554053 | 32.9 | 23.7 | 36.3 | 49.5 | 65.9 |
| A93-555027 | 33.7 | 18.7 | 40.4 | 56.2 | 59.8 |
| A93-555031 | 27.7 | 3.5 | 32.8 | 48.3 | 60.7 |
| E91031 | 37.6 | 19.6 | 41.5 | 55.3 | 61.5 |
| E93001 | 41.2 | 33.8 | 44.7 | 67.2 | 65.5 |
| HF91-070 | 53.3 | 22.5 | 38.7 | 53.7 | 63.1 |
| HF91-078 | 43.8 | 30.5 | 34.9 | 51.9 | 60.6 |
| LN89-3264 | 41.9 | 23.3 | 38.1 | 59.1 | 62.6 |
| LN90-4187 | 51.2 | 32.9 | 43.2 | 56.0 | 66.9 |
| ORC 9308 | 52.0 | 30.8 | 36.2 | 65.5 | 60.7 |
| SD(M)92-1174 | 36.8 | 16.2 | 33.2 | 41.6 | 59.6 |
| U92-2426 | 43.6 | 12.2 | 36.5 | 45.5 | 60.2 |
| U93-2737 | 36.7 | 21.4 | 36.0 | 54.4 | 62.3 |
| C.V. (%) | 12.1 | 21.8 | 9.2 | 5.1 | 2.9 |
| L.S.D. (5%) | 8.8 | 8.2 | 5.8 | 7.1 | 4.5 |
| Row Sp. (In.) | 30 | 26 | 24 | 30 | 30 |
| Rows/Plot | 4 | 4 | 4 | 4 | 4 |
| Reps | 3 | 3 | 3 | 2 | 2 |

* Data not included in the mean.

UNIFORM TEST II, 1995

YIELD (bu/a)

| Strain | David | | | | |
|-----------------|-----------------|--------------|------------|------------------|-----------|
| | Lamberton MN | Waseca MN | City NE | Hartington NE | Ord NE |
| IA2007 BC (L) | 46.8 | 52.6 | 43.7 | 22.7 | 37.3 |
| Marcus BC (I) | 60.1 | 66.6 | 45.2 | 25.7 | 45.0 |
| A91-607052 (II) | 65.6 | 68.9 | 48.5 | 28.2 | 47.9 |
| A92-627030 | 56.1 | 69.4 | 49.8 | 30.7 | 37.5 |
| A93-552019 | 53.0 | 59.4 | 45.2 | 26.4 | 40.3 |
| A93-552024 | 59.5 | 64.5 | 50.5 | 32.1 | 45.1 |
| A93-552028 | 56.3 | 62.6 | 51.6 | 30.2 | 46.9 |
| A93-554027 | 58.9 | 61.1 | 47.3 | 29.6 | 45.7 |
| A93-554040 | 49.9 | 66.3 | 50.7 | 28.6 | 45.1 |
| A93-554041 | 60.0 | 60.1 | 48.0 | 33.4 | 44.6 |
| A93-554053 | 54.9 | 62.2 | 52.6 | 26.5 | 50.0 |
| A93-555027 | 54.1 | 61.1 | 46.0 | 30.1 | 46.3 |
| A93-555031 | 58.9 | 66.1 | 40.2 | 28.5 | 43.2 |
| E91031 | 58.2 | 64.9 | 51.9 | 31.8 | 45.1 |
| E93001 | 51.7 | 64.4 | 49.8 | 25.3 | 41.6 |
| HF91-070 | 52.1 | 58.9 | 46.6 | 29.5 | 36.9 |
| HF91-078 | 56.8 | 56.1 | 44.5 | 33.6 | 33.7 |
| LN89-3264 | 59.7 | 62.1 | 48.3 | 26.5 | 40.7 |
| LN90-4187 | 56.3 | 63.0 | 47.8 | 27.4 | 36.0 |
| ORC 9308 | 50.9 | 64.2 | 50.4 | 34.1 | 39.9 |
| SD(M)92-1174 | 52.4 | 61.8 | 47.5 | 33.9 | 42.9 |
| U92-2426 | 56.4 | 60.6 | 44.8 | 19.9 | 45.9 |
| U93-2737 | 59.3 | 66.9 | 46.2 | 27.6 | 38.7 |
| C.V. (%) | 8.1 | 5.8 | 6.0 | 10.0 | 5.3 |
| L.S.D. (5%) | 7.5 | 5.9 | 6.2 | 17.2 | 6.2 |
| Row Sp. (In.) | 10 | 10 | 30 | 30 | 30 |
| Rows/Plot | 10 | 10 | 4 | 4 | 4 |
| Reps | 3 | 3 | 3 | 3 | 3 |

UNIFORM TEST II, 1995

YIELD (bu/a)

| Strain | Adelphia NJ | Hoytville OH | Wooster OH | Ridgetown Ont. | Brookings SD |
|-----------------|----------------|-----------------|---------------|-------------------|-----------------|
| IA2007 BC (L) | 26.4 | 44.6 | 44.8 | 60.6 | 32.9 |
| Marcus BC (I) | 26.5 | 44.7 | 38.8 | 67.6 | 39.2 |
| A91-607052 (II) | 26.1 | 34.1 | 51.0 | 69.5 | 36.9 |
| A92-627030 | 23.5 | 42.1 | 47.4 | 66.0 | 40.0 |
| A93-552019 | 26.0 | 28.0 | 43.6 | 65.0 | 42.6 |
| A93-552024 | 28.7 | 25.3 | 34.7 | 67.0 | 43.7 |
| A93-552028 | 29.3 | 42.0 | 48.6 | 63.2 | 41.9 |
| A93-554027 | 36.6 | 33.6 | 43.3 | 63.7 | 37.2 |
| A93-554040 | 34.3 | 40.8 | 47.3 | 64.0 | 41.6 |
| A93-554041 | 22.0 | 36.4 | 44.3 | 59.7 | 37.6 |
| A93-554053 | 24.3 | 23.0 | 38.7 | 63.9 | 37.5 |
| A93-555027 | 28.7 | 37.2 | 39.2 | 66.0 | 41.2 |
| A93-555031 | 25.6 | 11.5 | 37.9 | 61.9 | 39.8 |
| E91031 | 25.5 | 41.0 | 37.4 | 66.2 | 40.4 |
| E93001 | 32.6 | 40.4 | 49.0 | 64.4 | 40.5 |
| HF91-070 | 32.9 | 40.8 | 48.3 | 59.6 | 36.2 |
| HF91-078 | 29.4 | 43.1 | 47.8 | 63.8 | 34.2 |
| LN89-3264 | 32.4 | 34.4 | 36.1 | 65.4 | 35.1 |
| LN90-4187 | 29.6 | 45.3 | 48.6 | 68.3 | 36.5 |
| ORC 9308 | 32.7 | 38.4 | 57.5 | 68.9 | 37.5 |
| SD(M)92-1174 | 32.6 | 25.6 | 41.3 | 63.0 | 34.5 |
| U92-2426 | 28.0 | 27.5 | 48.8 | 64.2 | 32.9 |
| U93-2737 | 33.5 | 24.1 | 39.8 | 62.6 | 39.1 |
| C.V. (%) | 15.4 | 17.0 | 13.5 | 5.1 | 5.1 |
| L.S.D. (5%) | 7.3 | 10.0 | 9.8 | 5.5 | 2.7 |
| Row Sp. (In.) | 30 | 30 | 30 | 24 | 30 |
| Rows/Plot | 4 | 4 | 4 | 4 | 4 |
| Reps | 3 | 3 | 3 | 3 | 3 |

UNIFORM TEST II, 1995

YIELD RANK

| Strain | Yield Rank | Ames IA | Grand Junction IA | Keystone IA | Dekalb IL | Dwight IL |
|-----------------|------------|---------|-------------------|-------------|-----------|-----------|
| IA2007 BC (L) | 20 | 14 | 13 | 18 | 16 | 4 |
| Marcus BC (I) | 16 | 7 | 12 | 10 | 22 | 5 |
| A91-607052 (II) | 5 | 1 | 1 | 8 | 16 | 10 |
| A92-627030 | 5 | 19 | 20 | 2 | 13 | 2 |
| A93-552019 | 20 | 22 | 21 | 20 | 5 | 23 |
| A93-552024 | 11 | 6 | 16 | 22 | 7 | 20 |
| A93-552028 | 2 | 16 | 7 | 14 | 8 | 6 |
| A93-554027 | 8 | 8 | 6 | 10 | 9 | 7 |
| A93-554040 | 7 | 10 | 10 | 9 | 11 | 9 |
| A93-554041 | 14 | 23 | 14 | 17 | 4 | 18 |
| A93-554053 | 18 | 5 | 9 | 12 | 21 | 16 |
| A93-555027 | 12 | 12 | 3 | 18 | 14 | 14 |
| A93-555031 | 23 | 17 | 19 | 23 | 23 | 22 |
| E91031 | 9 | 4 | 2 | 15 | 1 | 15 |
| E93001 | 3 | 3 | 4 | 3 | 6 | 21 |
| HF91-070 | 13 | 19 | 14 | 21 | 16 | 12 |
| HF91-078 | 17 | 18 | 22 | 12 | 19 | 17 |
| LN89-3264 | 10 | 9 | 17 | 4 | 10 | 3 |
| LN90-4187 | 3 | 13 | 11 | 7 | 2 | 7 |
| ORC 9308 | 1 | 15 | 18 | 1 | 12 | 1 |
| SD(M)92-1174 | 22 | 21 | 4 | 15 | 20 | 19 |
| U92-2426 | 19 | 2 | 23 | 6 | 14 | 13 |
| U93-2737 | 14 | 11 | 8 | 5 | 3 | 11 |

UNIFORM TEST II, 1995

YIELD RANK

| Strain | Urbana IL | Bluffton IN | Lafayette IN | Ingham County MI | Lanawee County MI |
|-----------------|--------------|----------------|-----------------|------------------------|-------------------------|
| IA2007 BC (L) | 9 | 19 | 11 | 18 | 11 |
| Marcus BC (I) | 18 | 15 | 18 | 22 | 19 |
| A91-607052 (II) | 16 | 21 | 18 | 11 | 7 |
| A92-627030 | 1 | 5 | 3 | 3 | 9 |
| A93-552019 | 13 | 18 | 6 | 15 | 13 |
| A93-552024 | 15 | 6 | 8 | 6 | 23 |
| A93-552028 | 2 | 9 | 12 | 5 | 7 |
| A93-554027 | 6 | 13 | 7 | 14 | 5 |
| A93-554040 | 7 | 7 | 21 | 7 | 4 |
| A93-554041 | 8 | 8 | 17 | 17 | 6 |
| A93-554053 | 24 | 10 | 14 | 19 | 2 |
| A93-555027 | 21 | 17 | 5 | 8 | 21 |
| A93-555031 | 25 | 23 | 23 | 20 | 16 |
| E91031 | 17 | 16 | 3 | 10 | 15 |
| E93001 | 14 | 1 | 1 | 1 | 3 |
| HF91-070 | 3 | 12 | 9 | 13 | 10 |
| HF91-078 | 10 | 4 | 20 | 16 | 18 |
| LN89-3264 | 12 | 11 | 10 | 4 | 12 |
| LN90-4187 | 5 | 2 | 2 | 9 | 1 |
| ORC 9308 | 4 | 3 | 15 | 2 | 16 |
| SD(M)92-1174 | 19 | 19 | 22 | 23 | 22 |
| U92-2426 | 11 | 22 | 12 | 21 | 20 |
| U93-2737 | 20 | 13 | 16 | 12 | 14 |

UNIFORM TEST II, 1995

YIELD RANK

| Strain | Lamberton MN | Waseca MN | David City NE | Hartington NE | Ord NE |
|-----------------|-----------------|--------------|---------------------|------------------|-----------|
| IA2007 BC (L) | 23 | 23 | 22 | 22 | 20 |
| Marcus BC (I) | 2 | 4 | 18 | 20 | 10 |
| A91-607052 (II) | 1 | 2 | 9 | 14 | 2 |
| A92-627030 | 14 | 1 | 7 | 7 | 19 |
| A93-552019 | 17 | 20 | 19 | 19 | 16 |
| A93-552024 | 5 | 8 | 5 | 5 | 9 |
| A93-552028 | 12 | 12 | 3 | 8 | 3 |
| A93-554027 | 7 | 16 | 14 | 10 | 6 |
| A93-554040 | 22 | 5 | 4 | 12 | 7 |
| A93-554041 | 3 | 19 | 11 | 4 | 11 |
| A93-554053 | 15 | 13 | 1 | 17 | 1 |
| A93-555027 | 16 | 16 | 17 | 9 | 4 |
| A93-555031 | 7 | 6 | 23 | 13 | 12 |
| E91031 | 9 | 7 | 2 | 6 | 7 |
| E93001 | 20 | 9 | 8 | 21 | 14 |
| HF91-070 | 19 | 21 | 15 | 11 | 21 |
| HF91-078 | 10 | 22 | 21 | 3 | 23 |
| LN89-3264 | 4 | 14 | 10 | 18 | 15 |
| LN90-4187 | 12 | 11 | 12 | 16 | 22 |
| ORC 9308 | 21 | 10 | 6 | 1 | 17 |
| SD(M)92-1174 | 18 | 15 | 13 | 2 | 13 |
| U92-2426 | 11 | 18 | 20 | 23 | 5 |
| U93-2737 | 6 | 3 | 16 | 15 | 18 |

UNIFORM TEST II, 1995

YIELD RANK

| Strain | Adelphia NJ | Hoytville OH | Wooster OH | Ridgetown Ont. | Brookings SD |
|-----------------|----------------|-----------------|---------------|-------------------|-----------------|
| IA2007 BC (L) | 16 | 3 | 11 | 21 | 22 |
| Marcus BC (I) | 15 | 2 | 18 | 4 | 10 |
| A91-607052 (II) | 17 | 15 | 2 | 1 | 16 |
| A92-627030 | 22 | 5 | 9 | 7 | 8 |
| A93-552019 | 18 | 17 | 13 | 10 | 2 |
| A93-552024 | 12 | 20 | 23 | 5 | 1 |
| A93-552028 | 11 | 6 | 5 | 17 | 3 |
| A93-554027 | 1 | 16 | 14 | 16 | 15 |
| A93-554040 | 2 | 8 | 10 | 13 | 4 |
| A93-554041 | 23 | 13 | 12 | 22 | 12 |
| A93-554053 | 21 | 22 | 19 | 14 | 13 |
| A93-555027 | 12 | 12 | 17 | 7 | 5 |
| A93-555031 | 19 | 23 | 20 | 20 | 9 |
| E91031 | 20 | 7 | 21 | 6 | 7 |
| E93001 | 6 | 10 | 3 | 11 | 6 |
| HF91-070 | 4 | 8 | 7 | 23 | 18 |
| HF91-078 | 10 | 4 | 8 | 15 | 21 |
| LN89-3264 | 8 | 14 | 22 | 9 | 19 |
| LN90-4187 | 9 | 1 | 5 | 3 | 17 |
| ORC 9308 | 5 | 11 | 1 | 2 | 13 |
| SD(M)92-1174 | 6 | 19 | 15 | 18 | 20 |
| U92-2426 | 14 | 18 | 4 | 12 | 22 |
| U93-2737 | 3 | 21 | 16 | 19 | 11 |

UNIFORM TEST II, 1995

MATURITY (date)

| Strain | Mean 16 Tests | Ames IA | Grand Junction IA | Keystone IA | Dekalb IL | Dwight IL |
|-----------------|---------------------|------------|-------------------------|----------------|--------------|--------------|
| IA2007 BC (L) | 4.1 | 4 | | | 5 | 2 |
| Marcus BC (I) | -1.7 | 0 | | | -5 | 1 |
| A91-607052 (II) | 09/17 | 09/15 | | | 09/22 | 09/15 |
| A92-627030 | 4.3 | 3 | | | 3 | 4 |
| A93-552019 | 0.6 | 0 | | | 0 | -1 |
| A93-552024 | -1.4 | 0 | | | -1 | 0 |
| A93-552028 | 2.6 | 1 | | | 4 | 1 |
| A93-554027 | 0.6 | 0 | | | 1 | -1 |
| A93-554040 | 3.4 | 2 | | | 3 | 2 |
| A93-554041 | -0.5 | 0 | | | -1 | -1 |
| A93-554053 | -0.4 | 1 | | | -1 | -3 |
| A93-555027 | 0.1 | 1 | | | -1 | 0 |
| A93-555031 | -4.1 | -4 | | | -7 | -5 |
| E91031 | 0.7 | -1 | | | 0 | 0 |
| E93001 | 3.1 | 2 | | | 5 | 0 |
| HF91-070 | 5.4 | 6 | | | 5 | 3 |
| HF91-078 | 5.2 | 3 | | | 5 | 4 |
| LN89-3264 | 5.1 | 3 | | | 5 | 4 |
| LN90-4187 | 4.4 | 3 | | | 5 | 1 |
| ORC 9308 | 5.2 | 4 | | | 5 | 4 |
| SD(M)92-1174 | -3.3 | -1 | | | -2 | -4 |
| U92-2426 | 1.2 | 1 | | | 2 | -1 |
| U93-2737 | 1.9 | 0 | | | 2 | 1 |
| Date Planted | 05/23 | 05/23 | | | 05/22 | 06/01 |
| Days to Mature | 117.0 | 115 | | | 123 | 106 |

UNIFORM TEST II, 1995

MATURITY (date)

| Strain | Urbana IL | Bluffton IN | Lafayette IN | Ingham County MI | Lanawee County MI |
|-----------------|--------------|----------------|-----------------|------------------------|-------------------------|
| IA2007 BC (L) | 6 | 3 | 4 | 4 | 6 |
| Marcus BC (I) | -1 | -4 | -1 | -5 | 0 |
| A91-607052 (II) | 09/11 | 09/14 | 09/09 | 09/24 | 09/15 |
| A92-627030 | 7 | 3 | 6 | 1 | 6 |
| A93-552019 | 0 | -3 | 4 | 1 | 1 |
| A93-552024 | -1 | -3 | 0 | -3 | 0 |
| A93-552028 | 4 | 0 | 4 | 3 | 4 |
| A93-554027 | 1 | -1 | 3 | 0 | 1 |
| A93-554040 | 5 | 2 | 3 | 2 | 5 |
| A93-554041 | -1 | -2 | 0 | -3 | 0 |
| A93-554053 | 3 | -1 | 1 | -2 | 1 |
| A93-555027 | -3 | -2 | -1 | 0 | 2 |
| A93-555031 | -4 | -10 | -4 | -5 | 2 |
| E91031 | 0 | 3 | 5 | -2 | 2 |
| E93001 | 6 | -3 | 4 | 3 | 4 |
| HF91-070 | 8 | 4 | 8 | 2 | 5 |
| HF91-078 | 6 | 3 | 8 | 3 | 5 |
| LN89-3264 | 7 | 4 | 7 | 4 | 3 |
| LN90-4187 | 6 | 6 | 7 | 5 | 5 |
| ORC 9308 | 8 | 5 | 8 | 3 | 5 |
| SD(M)92-1174 | -4 | -7 | -4 | -7 | 0 |
| U92-2426 | 3 | -2 | -1 | -2 | 3 |
| U93-2737 | 4 | -1 | 3 | 0 | 1 |
| Date Planted | 05/08 | 05/23 | 06/05 | 05/23 | 05/22 |
| Days to Mature | 126 | 114 | 96 | 124 | 116 |

UNIFORM TEST II, 1995

MATURITY (date)

| Strain | Lamberton MN | Waseca MN | David City NE | Hartington NE | Ord NE |
|-----------------|-----------------|--------------|---------------------|------------------|-----------|
| IA2007 BC (L) | 5 | 8 | 3 | 0 | |
| Marcus BC (I) | -1 | -1 | -1 | -3 | |
| A91-607052 (II) | 09/26 | 09/22 | 09/25 | 10/01 | |
| A92-627030 | 4 | 8 | 4 | 6 | |
| A93-552019 | -1 | 3 | 2 | -3 | |
| A93-552024 | -1 | 0 | -2 | -5 | |
| A93-552028 | 1 | 4 | 3 | 0 | |
| A93-554027 | 0 | 5 | 3 | -1 | |
| A93-554040 | 2 | 8 | 3 | 0 | |
| A93-554041 | 0 | 6 | 0 | -2 | |
| A93-554053 | 2 | 5 | 1 | -4 | |
| A93-555027 | 1 | 2 | 2 | 0 | |
| A93-555031 | 0 | -3 | -4 | -6 | |
| E91031 | 1 | 0 | 2 | 0 | |
| E93001 | 3 | 5 | 3 | 2 | |
| HF91-070 | 5 | 8 | 4 | 5 | |
| HF91-078 | 5 | 8 | 4 | 5 | |
| LN89-3264 | 6 | 8 | 4 | 2 | |
| LN90-4187 | 6 | 8 | 3 | -1 | |
| ORC 9308 | 4 | 8 | 4 | 4 | |
| SD(M)92-1174 | -1 | -3 | -1 | -5 | |
| U92-2426 | 1 | 8 | 2 | -1 | |
| U93-2737 | 2 | 7 | 4 | 1 | |
| Date Planted | 05/24 | 05/02 | 06/06 | 05/30 | |
| Days to Mature | 125 | 143 | 111 | 124 | |

UNIFORM TEST II, 1995

MATURITY (date)

| Strain | Adelphia NJ | Hoytville OH | Wooster OH | Ridgetown Ont. |
|-----------------|----------------|-----------------|---------------|-------------------|
| IA2007 BC (L) | 3 | 2 | 4 | 6 |
| Marcus BC (I) | 0 | -3 | -2 | -1 |
| A91-607052 (II) | 09/17 | 09/12 | 09/06 | 09/13 |
| A92-627030 | 4 | 2 | 3 | 5 |
| A93-552019 | 2 | 0 | 0 | 4 |
| A93-552024 | -2 | -2 | -3 | 1 |
| A93-552028 | 4 | 2 | 2 | 4 |
| A93-554027 | 1 | -2 | -1 | 0 |
| A93-554040 | 6 | 1 | 4 | 6 |
| A93-554041 | 0 | -4 | -1 | 1 |
| A93-554053 | -2 | -5 | -2 | 0 |
| A93-555027 | 0 | 1 | -2 | 2 |
| A93-555031 | -2 | -7 | -3 | -3 |
| E91031 | 4 | -2 | -3 | 2 |
| E93001 | 5 | 3 | 3 | 4 |
| HF91-070 | 9 | 3 | 5 | 6 |
| HF91-078 | 11 | 2 | 4 | 7 |
| LN89-3264 | 11 | 4 | 4 | 5 |
| LN90-4187 | 5 | 2 | 5 | 5 |
| ORC 9308 | 7 | 3 | 5 | 6 |
| SD(M)92-1174 | -1 | -6 | -3 | -3 |
| U92-2426 | 3 | 0 | 2 | 1 |
| U93-2737 | 5 | 0 | 0 | 1 |
| Date Planted | 06/19 | 05/22 | 05/01 | 05/18 |
| Days to Mature | 90 | 113 | 128 | 118 |

UNIFORM TEST II, 1995

LODGING (score)

| Strain | Mean 20 Tests | Ames IA | Grand Junction IA | Keystone IA | Dekalb IL | Dwight IL |
|-----------------|---------------------|------------|-------------------------|----------------|--------------|--------------|
| IA2007 BC (L) | 1.3 | 1.3 | 2.1 | 1.0 | 1.0 | 1.2 |
| Marcus BC (I) | 1.5 | 1.7 | 2.5 | 1.1 | 1.7 | 2.8 |
| A91-607052 (II) | 1.5 | 1.7 | 2.5 | 1.3 | 2.0 | 3.3 |
| A92-627030 | 1.5 | 1.5 | 1.9 | 1.3 | 2.0 | 1.3 |
| A93-552019 | 1.3 | 1.4 | 1.8 | 1.2 | 1.0 | 1.2 |
| A93-552024 | 1.8 | 2.1 | 2.7 | 1.3 | 1.7 | 2.0 |
| A93-552028 | 1.7 | 1.7 | 2.7 | 1.2 | 2.3 | 2.3 |
| A93-554027 | 1.5 | 1.7 | 2.2 | 1.2 | 1.3 | 2.0 |
| A93-554040 | 1.3 | 1.3 | 2.0 | 1.3 | 1.7 | 1.0 |
| A93-554041 | 1.6 | 1.7 | 3.1 | 1.3 | 2.0 | 2.3 |
| A93-554053 | 1.6 | 1.7 | 2.0 | 1.3 | 1.3 | 2.0 |
| A93-555027 | 1.5 | 1.7 | 2.6 | 1.3 | 2.0 | 2.2 |
| A93-555031 | 1.3 | 1.6 | 1.7 | 1.1 | 1.0 | 1.3 |
| E91031 | 1.3 | 1.5 | 1.8 | 1.2 | 1.0 | 2.2 |
| E93001 | 1.5 | 1.4 | 2.3 | 1.2 | 1.3 | 2.0 |
| HF91-070 | 1.7 | 1.6 | 2.7 | 1.3 | 2.0 | 1.8 |
| HF91-078 | 1.9 | 1.6 | 3.0 | 1.3 | 3.3 | 3.2 |
| LN89-3264 | 1.2 | 1.1 | 1.8 | 1.1 | 1.0 | 1.2 |
| LN90-4187 | 1.3 | 1.3 | 1.7 | 1.1 | 1.3 | 1.0 |
| ORC 9308 | 1.7 | 1.5 | 2.5 | 1.3 | 2.0 | 1.5 |
| SD(M)92-1174 | 1.6 | 1.9 | 2.0 | 1.2 | 3.3 | 2.2 |
| U92-2426 | 1.5 | 1.6 | 2.4 | 1.1 | 3.7 | 1.2 |
| U93-2737 | 1.5 | 1.6 | 2.1 | 1.1 | 1.0 | 1.7 |

UNIFORM TEST II, 1995

LODGING (score)

| Strain | Urbana IL | Bluffton IN | Lafayette IN | Ingham County MI | Lanawee County MI |
|-----------------|--------------|----------------|-----------------|------------------------|-------------------------|
| IA2007 BC (L) | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 |
| Marcus BC (I) | 1.0 | 1.0 | 1.3 | 1.5 | 3.0 |
| A91-607052 (II) | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| A92-627030 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 |
| A93-552019 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| A93-552024 | 1.0 | 1.0 | 1.8 | 1.5 | 3.0 |
| A93-552028 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 |
| A93-554027 | 1.0 | 1.0 | 1.0 | 1.5 | 2.0 |
| A93-554040 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 |
| A93-554041 | 1.0 | 1.0 | 1.2 | 1.0 | 2.0 |
| A93-554053 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| A93-555027 | 1.0 | 1.0 | 1.0 | 2.0 | 2.5 |
| A93-555031 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 |
| E91031 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 |
| E93001 | 1.0 | 1.0 | 1.0 | 1.5 | 2.5 |
| HF91-070 | 1.0 | 1.0 | 1.3 | 2.0 | 3.0 |
| HF91-078 | 1.0 | 1.0 | 1.2 | 2.0 | 3.0 |
| LN89-3264 | 1.0 | 1.0 | 1.0 | 1.5 | 1.0 |
| LN90-4187 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 |
| ORC 9308 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 |
| SD(M)92-1174 | 1.0 | 1.0 | 1.2 | 1.0 | 2.5 |
| U92-2426 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| U93-2737 | 1.0 | 1.0 | 1.0 | 1.0 | 2.5 |

UNIFORM TEST II, 1995

LODGING (score)

| Strain | Lamberton MN | Waseca MN | David City NE | Hartington NE | Ord NE |
|-----------------|-----------------|--------------|---------------------|------------------|-----------|
| IA2007 BC (L) | 1.0 | 3.0 | 1.0 | 1.0 | 1.0 |
| Marcus BC (I) | 1.3 | 2.0 | 1.0 | 1.0 | 1.3 |
| A91-607052 (II) | 2.0 | 2.3 | 1.0 | 1.0 | 1.0 |
| A92-627030 | 1.3 | 3.0 | 1.0 | 1.0 | 2.0 |
| A93-552019 | 1.7 | 2.7 | 1.0 | 1.0 | 1.7 |
| A93-552024 | 2.3 | 3.0 | 1.0 | 1.0 | 3.0 |
| A93-552028 | 1.7 | 2.3 | 1.0 | 1.0 | 1.7 |
| A93-554027 | 1.3 | 3.0 | 1.0 | 1.0 | 2.0 |
| A93-554040 | 1.0 | 2.3 | 1.0 | 1.0 | 1.0 |
| A93-554041 | 2.7 | 3.0 | 1.0 | 1.0 | 1.0 |
| A93-554053 | 3.0 | 3.7 | 1.0 | 1.0 | 1.3 |
| A93-555027 | 1.7 | 2.0 | 1.0 | 1.0 | 1.3 |
| A93-555031 | 2.0 | 2.7 | 1.0 | 1.0 | 1.0 |
| E91031 | 1.7 | 2.0 | 1.0 | 1.0 | 1.7 |
| E93001 | 1.0 | 2.7 | 1.0 | 1.0 | 1.3 |
| HF91-070 | 1.0 | 3.0 | 1.0 | 1.0 | 1.7 |
| HF91-078 | 1.7 | 3.0 | 1.0 | 1.0 | 1.3 |
| LN89-3264 | 1.7 | 2.7 | 1.0 | 1.0 | 1.0 |
| LN90-4187 | 1.3 | 2.3 | 1.0 | 1.0 | 1.3 |
| ORC 9308 | 1.0 | 3.3 | 1.0 | 1.0 | 1.7 |
| SD(M)92-1174 | 2.0 | 3.0 | 1.0 | 1.0 | 2.0 |
| U92-2426 | 2.0 | 3.0 | 1.0 | 1.0 | 1.0 |
| U93-2737 | 2.0 | 3.0 | 1.0 | 1.0 | 2.0 |

UNIFORM TEST II, 1995

LODGING (score)

| Strain | Adelphia NJ | Hoytville OH | Wooster OH | Ridgetown Ont. | Brookings SD |
|-----------------|----------------|-----------------|---------------|-------------------|-----------------|
| IA2007 BC (L) | 1.0 | 1.0 | 1.0 | 1.6 | 2.0 |
| Marcus BC (I) | 1.0 | 1.0 | 1.3 | 1.8 | 1.0 |
| A91-607052 (II) | 1.0 | 1.0 | 1.4 | 1.0 | 1.0 |
| A92-627030 | 1.0 | 1.0 | 1.0 | 1.6 | 2.0 |
| A93-552019 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 |
| A93-552024 | 1.0 | 1.0 | 1.1 | 2.3 | 3.0 |
| A93-552028 | 1.0 | 1.0 | 1.3 | 2.4 | 2.0 |
| A93-554027 | 1.0 | 1.0 | 1.0 | 1.3 | 2.0 |
| A93-554040 | 1.0 | 1.0 | 1.1 | 1.4 | 1.0 |
| A93-554041 | 1.0 | 1.0 | 1.0 | 2.1 | 2.0 |
| A93-554053 | 1.0 | 1.0 | 1.1 | 2.0 | 3.0 |
| A93-555027 | 1.0 | 1.0 | 1.0 | 1.7 | 1.0 |
| A93-555031 | 1.0 | 1.0 | 1.0 | 1.2 | 2.0 |
| E91031 | 1.0 | 1.0 | 1.0 | 1.3 | 2.0 |
| E93001 | 1.0 | 1.0 | 1.1 | 1.8 | 2.0 |
| HF91-070 | 1.0 | 1.3 | 1.2 | 2.3 | 3.0 |
| HF91-078 | 1.0 | 1.2 | 1.2 | 2.6 | 3.0 |
| LN89-3264 | 1.0 | 1.2 | 1.1 | 1.0 | 1.0 |
| LN90-4187 | 1.0 | 1.0 | 1.1 | 1.0 | 1.0 |
| ORC 9308 | 1.0 | 1.5 | 1.5 | 2.5 | 2.0 |
| SD(M)92-1174 | 1.0 | 1.0 | 1.1 | 1.2 | 2.0 |
| U92-2426 | 1.0 | 1.0 | 1.1 | 1.0 | 3.0 |
| U93-2737 | 1.0 | 1.0 | 1.0 | 1.4 | 2.0 |

UNIFORM TEST II, 1995

PLANT HEIGHT (inches)

| Strain | Mean 20 Tests | Ames IA | Grand Junction IA | Keystone IA | Dekalb IL | Dwight IL |
|-----------------|---------------------|------------|-------------------------|----------------|--------------|--------------|
| IA2007 BC (L) | 34 | 43 | 41 | 37 | 36 | 37 |
| Marcus BC (I) | 30 | 40 | 37 | 32 | 29 | 30 |
| A91-607052 (II) | 30 | 40 | 36 | 33 | 32 | 32 |
| A92-627030 | 34 | 42 | 38 | 36 | 35 | 36 |
| A93-552019 | 35 | 44 | 40 | 36 | 37 | 35 |
| A93-552024 | 34 | 43 | 38 | 36 | 33 | 32 |
| A93-552028 | 33 | 40 | 36 | 35 | 36 | 33 |
| A93-554027 | 34 | 45 | 39 | 38 | 37 | 34 |
| A93-554040 | 34 | 41 | 40 | 34 | 34 | 34 |
| A93-554041 | 31 | 38 | 37 | 32 | 33 | 31 |
| A93-554053 | 33 | 40 | 38 | 34 | 31 | 32 |
| A93-555027 | 33 | 44 | 40 | 34 | 35 | 33 |
| A93-555031 | 29 | 38 | 35 | 30 | 25 | 30 |
| E91031 | 33 | 43 | 38 | 35 | 31 | 34 |
| E93001 | 36 | 47 | 43 | 41 | 37 | 39 |
| HF91-070 | 35 | 43 | 38 | 37 | 37 | 38 |
| HF91-078 | 34 | 41 | 39 | 35 | 36 | 36 |
| LN89-3264 | 32 | 40 | 38 | 35 | 30 | 35 |
| LN90-4187 | 32 | 42 | 37 | 33 | 34 | 31 |
| ORC 9308 | 36 | 45 | 40 | 38 | 37 | 38 |
| SD(M)92-1174 | 33 | 43 | 37 | 34 | 34 | 32 |
| U92-2426 | 32 | 40 | 37 | 36 | 34 | 32 |
| U93-2737 | 34 | 42 | 39 | 35 | 34 | 34 |

UNIFORM TEST II, 1995

PLANT HEIGHT (inches)

| Strain | Urbana IL | Bluffton IN | Lafayette IN | Ingham County MI | Lanawee County MI |
|-----------------|--------------|----------------|-----------------|------------------------|-------------------------|
| IA2007 BC (L) | 30 | 18 | 36 | 33 | 40 |
| Marcus BC (I) | 26 | 17 | 32 | 29 | 40 |
| A91-607052 (II) | 26 | 18 | 32 | 29 | 35 |
| A92-627030 | 31 | 20 | 34 | 36 | 38 |
| A93-552019 | 28 | 20 | 36 | 33 | 43 |
| A93-552024 | 28 | 19 | 36 | 36 | 42 |
| A93-552028 | 31 | 20 | 34 | 36 | 39 |
| A93-554027 | 30 | 19 | 34 | 34 | 41 |
| A93-554040 | 31 | 22 | 33 | 36 | 39 |
| A93-554041 | 27 | 20 | 34 | 30 | 37 |
| A93-554053 | 25 | 19 | 32 | 32 | 40 |
| A93-555027 | 25 | 20 | 36 | 32 | 41 |
| A93-555031 | 22 | 14 | 29 | 29 | 34 |
| E91031 | 25 | 20 | 38 | 35 | 38 |
| E93001 | 34 | 23 | 34 | 39 | 45 |
| HF91-070 | 33 | 23 | 36 | 36 | 39 |
| HF91-078 | 31 | 24 | 35 | 35 | 39 |
| LN89-3264 | 28 | 22 | 34 | 34 | 39 |
| LN90-4187 | 28 | 20 | 32 | 35 | 37 |
| ORC 9308 | 28 | 19 | 38 | 39 | 44 |
| SD(M)92-1174 | 26 | 17 | 33 | 31 | 41 |
| U92-2426 | 28 | 17 | 31 | 32 | 38 |
| U93-2737 | 27 | 20 | 35 | 32 | 40 |

UNIFORM TEST II, 1995

PLANT HEIGHT (inches)

| Strain | Lamberton MN | Waseca MN | David City NE | Hartington NE | Ord NE |
|-----------------|-----------------|--------------|---------------------|------------------|-----------|
| IA2007 BC (L) | 41 | 41 | 34 | 20 | 42 |
| Marcus BC (I) | 37 | 37 | 28 | 18 | 36 |
| A91-607052 (II) | 36 | 35 | 27 | 20 | 35 |
| A92-627030 | 40 | 41 | 32 | 25 | 40 |
| A93-552019 | 41 | 44 | 32 | 21 | 43 |
| A93-552024 | 41 | 43 | 32 | 21 | 41 |
| A93-552028 | 38 | 43 | 31 | 21 | 36 |
| A93-554027 | 39 | 42 | 31 | 22 | 41 |
| A93-554040 | 41 | 43 | 30 | 22 | 38 |
| A93-554041 | 38 | 39 | 27 | 21 | 35 |
| A93-554053 | 41 | 41 | 31 | 20 | 44 |
| A93-555027 | 39 | 39 | 30 | 20 | 38 |
| A93-555031 | 37 | 36 | 25 | 17 | 35 |
| E91031 | 41 | 37 | 30 | 22 | 41 |
| E93001 | 41 | 43 | 36 | 24 | 13 |
| HF91-070 | 40 | 42 | 33 | 24 | 43 |
| HF91-078 | 38 | 37 | 32 | 24 | 39 |
| LN89-3264 | 37 | 41 | 27 | 19 | 33 |
| LN90-4187 | 36 | 41 | 29 | 22 | 36 |
| ORC 9308 | 44 | 44 | 34 | 26 | 40 |
| SD(M)92-1174 | 40 | 35 | 31 | 23 | 43 |
| U92-2426 | 40 | 39 | 29 | 16 | 39 |
| U93-2737 | 40 | 41 | 33 | 19 | 41 |

UNIFORM TEST II, 1995

PLANT HEIGHT (inches)

| Strain | Adelphia NJ | Hoytville OH | Wooster OH | Ridgetown Ont. | Brookings SD |
|-----------------|----------------|-----------------|---------------|-------------------|-----------------|
| IA2007 BC (L) | 30 | 30 | 25 | 41 | 30 |
| Marcus BC (I) | 27 | 26 | 21 | 36 | 30 |
| A91-607052 (II) | 26 | 25 | 23 | 36 | 33 |
| A92-627030 | 28 | 32 | 27 | 41 | 37 |
| A93-552019 | 31 | 30 | 26 | 42 | 37 |
| A93-552024 | 33 | 28 | 25 | 42 | 35 |
| A93-552028 | 29 | 30 | 28 | 36 | 36 |
| A93-554027 | 32 | 27 | 26 | 42 | 32 |
| A93-554040 | 25 | 29 | 27 | 39 | 37 |
| A93-554041 | 25 | 28 | 23 | 36 | 33 |
| A93-554053 | 29 | 25 | 22 | 42 | 40 |
| A93-555027 | 31 | 26 | 23 | 40 | 33 |
| A93-555031 | 25 | 18 | 21 | 37 | 33 |
| E91031 | 32 | 28 | 25 | 41 | 34 |
| E93001 | 33 | 32 | 30 | 44 | 37 |
| HF91-070 | 30 | 30 | 27 | 43 | 37 |
| HF91-078 | 28 | 29 | 26 | 39 | 36 |
| LN89-3264 | 27 | 26 | 23 | 36 | 37 |
| LN90-4187 | 26 | 29 | 25 | 37 | 35 |
| ORC 9308 | 31 | 32 | 29 | 46 | 35 |
| SD(M)92-1174 | 31 | 22 | 25 | 39 | 37 |
| U92-2426 | 29 | 26 | 24 | 39 | 33 |
| U93-2737 | 30 | 27 | 24 | 40 | 38 |

UNIFORM TEST II, 1995

SEED QUALITY (score)

| Strain | Mean 20 Tests | Ames IA | Grand Junction IA | Keystone IA | Dekalb IL | Dwight IL |
|-----------------|---------------------|------------|-------------------------|----------------|--------------|--------------|
| IA2007 BC (L) | 1.7 | 1.0 | 2.0 | 1.0 | 1.5 | 1.5 |
| Marcus BC (I) | 2.1 | 2.0 | 2.0 | 2.0 | 1.7 | 1.7 |
| A91-607052 (II) | 2.0 | 2.0 | 2.0 | 2.0 | 1.7 | 1.7 |
| A92-627030 | 2.4 | 1.0 | 2.0 | 2.0 | 1.7 | 1.5 |
| A93-552019 | 1.8 | 2.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| A93-552024 | 1.7 | 1.0 | 1.0 | 2.0 | 1.5 | 1.7 |
| A93-552028 | 1.8 | 1.0 | 2.0 | 1.0 | 1.5 | 1.5 |
| A93-554027 | 1.4 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| A93-554040 | 1.5 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| A93-554041 | 1.5 | 1.0 | 2.0 | 1.0 | 1.5 | 1.5 |
| A93-554053 | 2.2 | 2.0 | 2.0 | 2.0 | 1.5 | 1.5 |
| A93-555027 | 2.2 | 2.0 | 2.0 | 2.0 | 1.5 | 1.8 |
| A93-555031 | 1.6 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| E91031 | 1.4 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| E93001 | 1.8 | 1.0 | 2.0 | 2.0 | 1.7 | 1.7 |
| HF91-070 | 1.8 | 1.0 | 1.0 | 1.0 | 1.7 | 1.5 |
| HF91-078 | 1.7 | 1.0 | 2.0 | 1.0 | 1.5 | 1.5 |
| LN89-3264 | 1.5 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| LN90-4187 | 1.3 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| ORC 9308 | 1.8 | 1.0 | 2.0 | 2.0 | 1.5 | 1.5 |
| SD(M)92-1174 | 1.8 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| U92-2426 | 1.6 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| U93-2737 | 1.8 | 1.0 | 2.0 | 1.0 | 1.5 | 1.5 |

UNIFORM TEST II, 1995

SEED QUALITY (score)

| Strain | Urbana IL | Bluffton IN | Lafayette IN | Ingham County MI | Lanawee County MI |
|-----------------|--------------|----------------|-----------------|------------------------|-------------------------|
| IA2007 BC (L) | 1.7 | 1.0 | 2.0 | 1.5 | 1.5 |
| Marcus BC (I) | 2.3 | 3.0 | 3.0 | 2.0 | 2.5 |
| A91-607052 (II) | 2.2 | 2.0 | 3.0 | 1.5 | 2.0 |
| A92-627030 | 2.5 | 3.0 | 4.0 | 3.0 | 2.0 |
| A93-552019 | 2.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| A93-552024 | 2.2 | 2.0 | 2.0 | 1.5 | 1.5 |
| A93-552028 | 2.3 | 2.0 | 2.0 | 1.5 | 1.0 |
| A93-554027 | 1.8 | 1.0 | 1.0 | 1.0 | 1.5 |
| A93-554040 | 1.8 | 1.0 | 1.0 | 1.5 | 1.5 |
| A93-554041 | 1.8 | 1.0 | 1.0 | 1.5 | 1.5 |
| A93-554053 | 3.2 | 2.0 | 3.0 | 2.0 | 2.5 |
| A93-555027 | 2.5 | 2.0 | 1.0 | 2.0 | 2.5 |
| A93-555031 | 2.0 | 2.0 | 1.0 | 1.5 | 1.0 |
| E91031 | 1.7 | 1.0 | 1.0 | 1.0 | 1.5 |
| E93001 | 2.8 | 1.0 | 2.0 | 2.0 | 2.0 |
| HF91-070 | 2.0 | 2.0 | 2.0 | 1.5 | 2.0 |
| HF91-078 | 1.5 | 1.0 | 1.0 | 1.5 | 1.5 |
| LN89-3264 | 2.3 | 1.0 | 1.0 | 1.0 | 1.0 |
| LN90-4187 | 1.8 | 1.0 | 1.0 | 1.0 | 1.0 |
| ORC 9308 | 2.2 | 1.0 | 2.0 | 1.5 | 1.0 |
| SD(M)92-1174 | 2.0 | 2.0 | 3.0 | 2.0 | 1.5 |
| U92-2426 | 2.0 | 3.0 | 2.0 | 1.5 | 1.5 |
| U93-2737 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 |

UNIFORM TEST II, 1995

SEED QUALITY (score)

| Strain | David | | | | |
|-----------------|-----------------|--------------|------------|------------------|-----------|
| | Lamberton MN | Waseca MN | City NE | Hartington NE | Ord NE |
| IA2007 BC (L) | 2.3 | 2.0 | 2.0 | 2.0 | 3.3 |
| Marcus BC (I) | 2.0 | 3.0 | 1.7 | 3.0 | 2.3 |
| A91-607052 (II) | 1.7 | 3.0 | 1.0 | 2.3 | 2.3 |
| A92-627030 | 2.7 | 3.3 | 2.0 | 2.3 | 3.3 |
| A93-552019 | 1.7 | 2.0 | 2.3 | 2.7 | 4.0 |
| A93-552024 | 2.0 | 2.7 | 1.3 | 2.0 | 2.3 |
| A93-552028 | 2.3 | 2.3 | 1.7 | 2.3 | 2.3 |
| A93-554027 | 2.0 | 1.7 | 1.7 | 3.0 | 2.0 |
| A93-554040 | 1.7 | 1.7 | 1.3 | 2.0 | 2.7 |
| A93-554041 | 1.3 | 2.0 | 1.0 | 1.7 | 2.3 |
| A93-554053 | 3.0 | 2.3 | 2.0 | 3.0 | 3.0 |
| A93-555027 | 3.0 | 3.7 | 2.0 | 3.0 | 2.7 |
| A93-555031 | 2.3 | 2.0 | 1.3 | 2.0 | 2.3 |
| E91031 | 1.7 | 1.7 | 2.0 | 2.0 | 2.0 |
| E93001 | 2.0 | 2.3 | 2.0 | 2.3 | 2.7 |
| HF91-070 | 2.7 | 2.7 | 2.0 | 2.3 | 3.0 |
| HF91-078 | 3.0 | 2.7 | 1.7 | 2.0 | 2.7 |
| LN89-3264 | 2.0 | 1.7 | 1.3 | 2.3 | 2.3 |
| LN90-4187 | 1.7 | 2.0 | 1.3 | 1.7 | 2.3 |
| ORC 9308 | 2.3 | 2.3 | 2.0 | 2.3 | 3.3 |
| SD(M)92-1174 | 1.7 | 2.0 | 2.0 | 2.0 | 3.0 |
| U92-2426 | 1.7 | 1.7 | 2.0 | 2.0 | 2.0 |
| U93-2737 | 2.3 | 2.3 | 2.0 | 1.7 | 2.3 |

UNIFORM TEST II, 1995

SEED QUALITY (score)

| Strain | Adelphia NJ | Hoytville OH | Wooster OH | Ridgetown Ont. | Brookings SD |
|-----------------|----------------|-----------------|---------------|-------------------|-----------------|
| IA2007 BC (L) | 1.5 | 2.0 | 1.0 | 1.0 | 2.0 |
| Marcus BC (I) | 1.7 | 2.5 | 2.0 | 1.3 | 1.0 |
| A91-607052 (II) | 2.0 | 3.0 | 2.0 | 1.0 | 2.0 |
| A92-627030 | 2.3 | 2.0 | 2.0 | 1.7 | 3.0 |
| A93-552019 | 2.3 | 2.0 | 1.0 | 1.3 | 3.0 |
| A93-552024 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 |
| A93-552028 | 1.7 | 2.0 | 2.0 | 1.0 | 2.0 |
| A93-554027 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| A93-554040 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 |
| A93-554041 | 1.3 | 2.0 | 1.0 | 1.1 | 2.0 |
| A93-554053 | 2.7 | 2.0 | 2.0 | 1.1 | 2.0 |
| A93-555027 | 2.0 | 2.0 | 2.0 | 1.0 | 3.0 |
| A93-555031 | 1.7 | 2.0 | 2.0 | 1.0 | 2.0 |
| E91031 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 |
| E93001 | 1.7 | 2.0 | 1.0 | 1.0 | 1.0 |
| HF91-070 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 |
| HF91-078 | 1.0 | 1.0 | 1.0 | 1.7 | 3.0 |
| LN89-3264 | 1.3 | 2.0 | 1.0 | 1.0 | 3.0 |
| LN90-4187 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 |
| ORC 9308 | 1.0 | 1.0 | 1.0 | 1.4 | 3.0 |
| SD(M)92-1174 | 2.0 | 2.0 | 2.0 | 1.4 | 2.0 |
| U92-2426 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 |
| U93-2737 | 1.0 | 2.0 | 1.0 | 1.4 | 3.0 |

UNIFORM TEST II, 1995

SEED SIZE (g/100)

| Strain | Mean 20 Tests | Ames IA | Grand Junction IA | Keystone IA | Dekalb IL | Dwight IL |
|-----------------|---------------------|------------|-------------------------|----------------|--------------|--------------|
| IA2007 BC (L) | 15.8 | 16.2 | 16.2 | 16.4 | 17.3 | 15.0 |
| Marcus BC (I) | 16.4 | 16.2 | 16.0 | 16.6 | 16.4 | 16.3 |
| A91-607052 (II) | 16.4 | 16.5 | 16.6 | 16.0 | 16.7 | 14.9 |
| A92-627030 | 14.6 | 15.4 | 13.8 | 15.3 | 14.6 | 14.2 |
| A93-552019 | 15.7 | 16.2 | 14.3 | 16.0 | 16.4 | 13.5 |
| A93-552024 | 15.9 | 17.2 | 16.2 | 15.0 | 15.9 | 14.2 |
| A93-552028 | 15.8 | 17.2 | 17.2 | 16.2 | 17.5 | 14.1 |
| A93-554027 | 17.8 | 19.1 | 18.4 | 18.3 | 19.2 | 16.9 |
| A93-554040 | 15.5 | 15.6 | 16.4 | 15.4 | 15.6 | 13.1 |
| A93-554041 | 16.2 | 16.4 | 16.6 | 16.7 | 16.7 | 12.9 |
| A93-554053 | 17.1 | 16.3 | 16.4 | 16.6 | 16.8 | 15.5 |
| A93-555027 | 16.8 | 19.0 | 18.6 | 18.5 | 17.5 | 14.2 |
| A93-555031 | 15.8 | 14.7 | 15.4 | 16.1 | 17.3 | 14.6 |
| E91031 | 14.8 | 14.9 | 15.0 | 15.3 | 15.5 | 13.2 |
| E93001 | 16.0 | 16.3 | 17.2 | 16.5 | 17.0 | 14.2 |
| HF91-070 | 14.3 | 14.4 | 14.8 | 14.5 | 14.8 | 13.3 |
| HF91-078 | 14.8 | 16.4 | 14.8 | 15.2 | 15.9 | 13.5 |
| LN89-3264 | 16.1 | 17.0 | 16.2 | 17.2 | 17.4 | 15.5 |
| LN90-4187 | 16.4 | 17.2 | 16.6 | 16.5 | 17.8 | 15.0 |
| ORC 9308 | 14.1 | 14.3 | 12.8 | 14.4 | 15.0 | 13.2 |
| SD(M)92-1174 | 16.7 | 17.1 | 16.6 | 17.4 | 17.6 | 15.6 |
| U92-2426 | 15.8 | 15.8 | 15.6 | 16.1 | 17.3 | 14.6 |
| U93-2737 | 15.2 | 15.1 | 15.4 | 14.8 | 15.9 | 15.1 |

UNIFORM TEST II, 1995

SEED SIZE (g/100)

| Strain | Urbana IL | Bluffton IN | Lafayette IN | Ingham County MI | Lanawee County MI |
|-----------------|--------------|----------------|-----------------|------------------------|-------------------------|
| IA2007 BC (L) | 17.4 | 14.6 | 12.3 | 17.3 | 17.0 |
| Marcus BC (I) | 17.1 | 16.5 | 12.2 | 17.3 | 18.7 |
| A91-607052 (II) | 17.1 | 14.5 | 12.4 | 18.5 | 18.9 |
| A92-627030 | 14.7 | 12.7 | 11.9 | 15.7 | 16.2 |
| A93-552019 | 16.1 | 13.6 | 12.5 | 18.1 | 17.3 |
| A93-552024 | 15.9 | 14.9 | 11.7 | 18.6 | 18.2 |
| A93-552028 | 17.0 | 14.3 | 11.6 | 17.9 | 16.2 |
| A93-554027 | 18.5 | 16.2 | 14.7 | 19.2 | 19.8 |
| A93-554040 | 17.7 | 14.4 | 10.2 | 17.8 | 17.6 |
| A93-554041 | 16.4 | 14.0 | 11.0 | 18.1 | 19.3 |
| A93-554053 | 16.3 | 15.3 | 11.8 | 20.0 | 20.3 |
| A93-555027 | 17.5 | 14.2 | 13.4 | 18.1 | 17.6 |
| A93-555031 | 16.9 | 13.6 | 12.1 | 16.8 | 18.9 |
| E91031 | 16.1 | 13.8 | 12.4 | 16.2 | 15.9 |
| E93001 | 15.6 | 13.6 | 11.7 | 19.6 | 19.6 |
| HF91-070 | 15.0 | 13.3 | 11.1 | 16.5 | 16.2 |
| HF91-078 | 15.3 | 13.4 | 12.2 | 17.9 | 16.2 |
| LN89-3264 | 18.7 | 14.7 | 12.3 | 17.8 | 17.8 |
| LN90-4187 | 17.4 | 14.5 | 14.0 | 18.4 | 19.4 |
| ORC 9308 | 13.9 | 12.3 | 11.1 | 16.2 | 15.8 |
| SD(M)92-1174 | 16.0 | 15.7 | 11.3 | 18.0 | 19.2 |
| U92-2426 | 16.4 | 14.9 | 11.6 | 17.0 | 18.1 |
| U93-2737 | 16.7 | 14.4 | 11.3 | 18.0 | 16.3 |

UNIFORM TEST II, 1995

SEED SIZE (g/100)

| Strain | Lamberton MN | Waseca MN | David City NE | Hartington NE | Ord NE |
|-----------------|-----------------|--------------|---------------------|------------------|-----------|
| IA2007 BC (L) | 15.6 | 17.6 | 17.5 | 16.9 | 16.1 |
| Marcus BC (I) | 12.2 | 18.5 | 19.7 | 17.7 | 18.6 |
| A91-607052 (II) | 16.0 | 18.0 | 18.9 | 17.3 | 19.5 |
| A92-627030 | 15.3 | 16.3 | 16.4 | 13.5 | 15.7 |
| A93-552019 | 16.3 | 17.1 | 17.5 | 17.1 | 17.1 |
| A93-552024 | 15.4 | 16.9 | 18.8 | 18.5 | 18.3 |
| A93-552028 | 15.6 | 18.1 | 17.4 | 16.5 | 16.9 |
| A93-554027 | 18.3 | 19.8 | 19.3 | 18.1 | 19.7 |
| A93-554040 | 15.2 | 18.0 | 17.2 | 15.0 | 17.2 |
| A93-554041 | 17.4 | 17.4 | 18.6 | 17.7 | 18.2 |
| A93-554053 | 18.7 | 19.6 | 19.8 | 19.2 | 19.3 |
| A93-555027 | 16.8 | 18.1 | 19.3 | 17.9 | 17.8 |
| A93-555031 | 16.9 | 18.4 | 18.1 | 18.9 | 17.1 |
| E91031 | 15.6 | 16.9 | 17.6 | 15.6 | 16.4 |
| E93001 | 15.9 | 19.0 | 17.2 | 14.9 | 17.7 |
| HF91-070 | 14.1 | 15.0 | 15.8 | 14.2 | 15.1 |
| HF91-078 | 14.0 | 16.1 | 15.3 | 14.0 | 15.5 |
| LN89-3264 | 15.7 | 17.7 | 18.4 | 15.9 | 16.7 |
| LN90-4187 | 16.9 | 17.7 | 18.6 | 15.8 | 16.9 |
| ORC 9308 | 14.7 | 16.0 | 14.9 | 15.0 | 14.8 |
| SD(M)92-1174 | 17.2 | 17.9 | 19.6 | 17.7 | 19.3 |
| U92-2426 | 16.4 | 16.9 | 18.6 | 16.3 | 17.5 |
| U93-2737 | 15.4 | 16.4 | 17.3 | 16.5 | 16.0 |

UNIFORM TEST II, 1995

SEED SIZE (g/100)

| Strain | Adelphia NJ | Hoytville OH | Wooster OH | Ridgetown Ont. | Brookings SD |
|-----------------|----------------|-----------------|---------------|-------------------|-----------------|
| IA2007 BC (L) | 13.0 | 13.8 | 16.3 | 17.1 | 12.5 |
| Marcus BC (I) | 13.0 | 16.1 | 15.0 | 19.4 | 13.5 |
| A91-607052 (II) | 12.7 | 14.7 | 16.9 | 18.5 | 12.5 |
| A92-627030 | 14.0 | 12.4 | 14.9 | 17.1 | 11.0 |
| A93-552019 | 13.7 | 15.4 | 14.5 | 18.9 | 12.5 |
| A93-552024 | 13.0 | 14.0 | 14.0 | 18.3 | 12.5 |
| A93-552028 | 12.7 | 13.8 | 15.7 | 17.9 | 12.5 |
| A93-554027 | 14.3 | 15.5 | 16.6 | 20.0 | 14.5 |
| A93-554040 | 13.0 | 14.0 | 15.8 | 17.7 | 13.0 |
| A93-554041 | 14.0 | 14.2 | 16.1 | 19.1 | 13.5 |
| A93-554053 | 14.3 | 15.7 | 16.4 | 20.2 | 13.5 |
| A93-555027 | 13.7 | 15.7 | 16.1 | 18.5 | 12.5 |
| A93-555031 | 13.0 | 13.7 | 14.4 | 17.2 | 12.0 |
| E91031 | 11.0 | 13.7 | 13.3 | 16.4 | 11.0 |
| E93001 | 14.0 | 14.3 | 16.4 | 17.3 | 12.5 |
| HF91-070 | 13.0 | 12.6 | 13.6 | 17.7 | 10.5 |
| HF91-078 | 13.7 | 13.2 | 14.0 | 17.1 | 12.0 |
| LN89-3264 | 14.0 | 14.5 | 14.5 | 17.8 | 12.0 |
| LN90-4187 | 14.7 | 14.4 | 16.6 | 18.1 | 11.5 |
| ORC 9308 | 12.3 | 12.1 | 14.2 | 17.8 | 10.5 |
| SD(M)92-1174 | 14.3 | 15.0 | 16.5 | 19.8 | 12.5 |
| U92-2426 | 13.3 | 14.9 | 15.6 | 18.7 | 10.5 |
| U93-2737 | 12.7 | 13.6 | 13.9 | 18.0 | 12.0 |

UNIFORM TEST II, 1995

PROTEIN (%)

| Strain | Mean 5 Tests | Urbana IL | Lafayette IN | David City NE | Lamberton MN | Hoytville OH |
|-----------------|--------------------|--------------|-----------------|---------------------|-----------------|-----------------|
| IA2007 BC (L) | 41.4 | 43.8 | 43.6 | 39.8 | 39.7 | 40.2 |
| Marcus BC (I) | 42.9 | 44.7 | 44.8 | 41.8 | 40.2 | 42.9 |
| A91-607052 (II) | 40.9 | 42.6 | 42.2 | 40.3 | 39.3 | 40.2 |
| A92-627030 | 42.6 | 43.2 | 44.4 | 41.3 | 41.3 | 43.0 |
| A93-552019 | 41.8 | 43.5 | 43.2 | 39.7 | 41.0 | 41.4 |
| A93-552024 | 42.2 | 42.8 | 44.0 | 41.9 | 41.2 | 41.3 |
| A93-552028 | 41.6 | 42.5 | 44.1 | 40.3 | 40.8 | 40.4 |
| A93-554027 | 41.9 | 43.5 | 42.5 | 40.8 | 41.4 | 41.3 |
| A93-554040 | 42.7 | 44.1 | 44.9 | 41.0 | 41.8 | 41.9 |
| A93-554041 | 42.3 | 42.3 | 44.6 | 41.2 | 41.4 | 41.8 |
| A93-554053 | 42.0 | 42.4 | 43.9 | 41.0 | 40.8 | 42.0 |
| A93-555027 | 41.9 | 43.0 | 44.2 | 41.1 | 40.9 | 40.2 |
| A93-555031 | 43.5 | 44.2 | 45.6 | 42.3 | 42.8 | 42.5 |
| E91031 | 41.0 | 41.9 | 42.9 | 40.2 | 40.0 | 40.2 |
| E93001 | 41.1 | 43.4 | 41.9 | 40.3 | 39.8 | 40.1 |
| HF91-070 | 41.8 | 43.5 | 43.7 | 39.8 | 40.0 | 42.1 |
| HF91-078 | 41.9 | 44.2 | 43.5 | 40.1 | 40.0 | 41.7 |
| LN89-3264 | 40.4 | 43.3 | 41.7 | 39.8 | 38.4 | 38.6 |
| LN90-4187 | 43.2 | 45.5 | 44.7 | 42.2 | 41.8 | 41.7 |
| ORC 9308 | 41.7 | 42.5 | 44.0 | 40.1 | 41.1 | 40.9 |
| SD(M)92-1174 | 43.1 | 43.7 | 44.7 | 42.3 | 41.8 | 43.1 |
| U92-2426 | 43.7 | 44.4 | 45.4 | 43.0 | 42.0 | 43.8 |
| U93-2737 | 41.4 | 41.9 | 43.3 | 40.6 | 40.8 | 40.3 |

UNIFORM TEST II, 1995

OIL (%)

| Strain | Mean 5 Tests | Urbana IL | Lafayette IN | David City NE | Lamberton MN | Hoytville OH |
|-----------------|--------------------|--------------|-----------------|---------------------|-----------------|-----------------|
| IA2007 BC (L) | 20.9 | 21.9 | 20.8 | 20.4 | 20.4 | 21.0 |
| Marcus BC (I) | 21.0 | 22.0 | 20.8 | 20.4 | 20.5 | 21.5 |
| A91-607052 (II) | 21.0 | 22.1 | 20.8 | 20.7 | 20.1 | 21.2 |
| A92-627030 | 20.5 | 21.8 | 19.8 | 20.5 | 20.2 | 20.1 |
| A93-552019 | 21.2 | 22.0 | 21.4 | 20.9 | 20.8 | 20.7 |
| A93-552024 | 21.1 | 22.2 | 21.2 | 20.7 | 20.4 | 21.2 |
| A93-552028 | 20.3 | 20.8 | 19.9 | 20.6 | 20.0 | 20.3 |
| A93-554027 | 20.3 | 21.1 | 20.7 | 20.0 | 19.6 | 20.1 |
| A93-554040 | 20.7 | 21.7 | 20.6 | 20.7 | 20.0 | 20.6 |
| A93-554041 | 20.0 | 21.4 | 19.5 | 19.7 | 19.4 | 19.8 |
| A93-554053 | 20.7 | 22.0 | 21.0 | 20.1 | 20.0 | 20.3 |
| A93-555027 | 20.7 | 21.6 | 20.4 | 20.1 | 20.1 | 21.1 |
| A93-555031 | 20.9 | 22.0 | 20.7 | 20.4 | 20.1 | 21.2 |
| E91031 | 20.8 | 21.9 | 21.5 | 20.0 | 20.2 | 20.6 |
| E93001 | 20.8 | 21.5 | 20.8 | 20.8 | 20.2 | 20.8 |
| HF91-070 | 20.4 | 21.5 | 20.5 | 20.5 | 19.6 | 19.8 |
| HF91-078 | 20.5 | 21.5 | 20.2 | 20.6 | 20.0 | 20.3 |
| LN89-3264 | 20.9 | 21.5 | 21.1 | 20.4 | 20.2 | 21.1 |
| LN90-4187 | 20.7 | 21.2 | 21.1 | 20.3 | 19.9 | 20.9 |
| ORC 9308 | 20.0 | 20.9 | 19.8 | 19.8 | 19.7 | 19.7 |
| SD(M)92-1174 | 19.9 | 20.7 | 19.1 | 19.4 | 20.1 | 20.2 |
| U92-2426 | 20.2 | 21.3 | 20.4 | 19.5 | 19.9 | 20.0 |
| U93-2737 | 21.0 | 22.3 | 21.0 | 20.6 | 19.8 | 21.5 |

PRELIMINARY TEST IIA, 1995

| Strain | Parentage | Generation Composited | Unique Traits |
|-----------------|---|--------------------------|------------------|
| Marcus BC (I) | [Marcus(5) x Elgin 87] x [Marcus(5) x Preston BC-11-8] | BC4 F2 | Rps1-k, Rps6 |
| IA2007 BC (L) | IA2007 x Archer | BC3 F2 | Rps1-k |
| IA2008 BC (BSR) | IA2008 x Archer | BC3 F2 | Rps1-k |
| A91-607052 (II) | Elgin 87 x Marcus | F5 | |
| A94-572007 | A89-344017 x Asgrow A2543 | F5 | |
| A94-572054 | Kenwood x Bell | F5 | |
| A94-672021 | A89-344017 x Asgrow A2543 | F5 | |
| A94-672022 | Jacques J285 x A89-344017 | F5 | |
| A94-672031 | A89-144026 x Kenwood | F5 | |
| A94-672034 | A89-144011 x Kenwood | F5 | |
| A94-674015 | Pioneer P9303 x Kenwood | F5 | |
| A94-674017 | Pioneer P9303 x Kenwood | F5 | |
| A94-674028 | Kenwood x Asgrow A2234 | F5 | |
| A94-674046 | Pioneer P9303 x Kenwood | F5 | |
| A94-674048 | Jacques J285 x Kenwood | F5 | |
| HC91-3856 | HC83-4507 x Elgin | F5 | Dt ₁ |
| LN92-6319 | Burlison x Kenwood | F5 | |
| LN92-7369 | Burlison x Cl732 | F5 | |
| LN92-7453 | Burlison x Cl732 | F5 | |
| LN92-12557 | Asgrow A3733 x Pella 86 | F5 | BSR |
| LN92-12562 | Asgrow A3733 x Pella 86 | F5 | BSR |
| LN92-12575 | Asgrow A3733 x Pella 86 | F5 | BSR |
| U94-2132 | Holt x Uphoff 3100 | F7 | |
| U94-2218 | Pioneer P9341 x Uphoff 3100 | F7 | |
| U94-2229 | Uphoff 3100 x Corsica | F7 | |
| U94-2234 | Pioneer P9341 x Corsica | F7 | |
| U94-2236 | Dairyland DSR 304 x Pioneer P9272 | F7 | |
| U94-2306 | Holt x Dairyland DSR 304 | F7 | |
| U94-2316 | Agserv 8780 x Pioneer P9272 | F7 | |
| U94-2329 | Parker x Uphoff 3100 | F7 | |
| U94-2407 | Agserv 8780 x Uphoff 3100 | F7 | |
| U94-2429 | Pioneer P9341 x ORC8805 | F7 | |
| U94-2529 | Pioneer P9341 x Uphoff 3100 | F7 | |
| U94-2612 | SG1Y/10PD2X | F7 | |
| U94-2614 | Pioneer P9341 x Pioneer P9272 | F7 | |
| U94-2623 | Uphoff 3100 x Pioneer P9272 | F7 | |
| U94-2629 | Parker x Uphoff 3100 | F7 | |

PRELIMINARY TEST IIA, 1995
DESCRIPTIVE AND DISEASE DATA

| Strain | Descriptive Code | Chlorosis | Shattering | BSR - Ames | |
|-----------------|------------------|------------|-----------------|------------|----------|
| | | Score Ames | Score Manhattan | Plant n % | Stem n % |
| Marcus BC (I) | WTTDYBfI | 3.3 | 1 | 80 | 33 |
| IA2007 BC (L) | PTTDYBfI | 3.1 | 1 | 100 | 42 |
| IA2008 BC (BSR) | WGTSYBfI | 3.0 | 3 | 40 | 7 |
| A91-607052 (II) | WTBSYBlI | 3.1 | 1 | 100 | 48 |
| A94-572007 | PTBDYBlI | 3.0 | 1 | 95 | 43 |
| A94-572054 | PTBDYBlI | 3.6 | 1 | 95 | 34 |
| A94-672021 | PTBDYBrI | 3.1 | 1 | 90 | 29 |
| A94-672022 | WTBDYHI | 3.3 | 3 | 65 | 13 |
| A94-672031 | WTBDYBlI | 2.5 | 2 | 50 | 11 |
| A94-672034 | PGBDYIbI | 2.5 | 1 | 25 | 5 |
| A94-674015 | PGBDYI | 3.6 | 1 | 60 | 23 |
| A94-674017 | PTBDYHI | 4.1 | 1 | 30 | 5 |
| A94-674028 | PTBSYBI | 3.0 | 2 | 25 | 6 |
| A94-674046 | PG+TBIYBlI | 3.1 | 1 | 35 | 8 |
| A94-674048 | PTBDYBlI | 3.3 | 1 | 55 | 15 |
| HC91-3856 | PTTShYBlI | 2.8 | 1 | 85 | 36 |
| LN92-6319 | PTBDYBlI | 2.5 | 1 | 85 | 35 |
| LN92-7369 | PTBSYBlI | 2.8 | 1 | 95 | 27 |
| LN92-7453 | WTTIYBlI | 2.5 | 1 | 75 | 16 |
| LN92-12557 | PTTIYBlI | 2.5 | 2 | 85 | 25 |
| LN92-12562 | PTTDYBlI | 3.0 | 1 | 100 | 38 |
| LN92-12575 | PTTShYBlI | 2.8 | 3 | 75 | 25 |
| U94-2132 | WGBDYBrI | 3.0 | 1 | 95 | 35 |
| U94-2218 | WTTDYBlI | 2.8 | 1 | 90 | 32 |
| U94-2229 | WGTDYBrI | 2.0 | 1 | 85 | 24 |
| U94-2234 | PTTDYBrI | 3.0 | 1 | 70 | 25 |
| U94-2236 | PGBDYBrI | 2.5 | 2 | 75 | 20 |
| U94-2306 | WGBDYHI | 3.3 | 1 | 95 | 35 |
| U94-2316 | WGBShYBrI | 2.6 | 1 | 100 | 38 |
| U94-2329 | P+WG+TBDYBlI | 3.6 | 2 | 100 | 41 |
| U94-2407 | WGBShYBlI | 3.3 | 2 | 95 | 41 |
| U94-2429 | WGBDYBfI | 2.3 | 1 | 85 | 46 |
| U94-2529 | WGTSYBlI | 2.6 | 1 | 85 | 33 |
| U94-2612 | PTBDYBrI | 3.1 | 2 | 100 | 29 |
| U94-2614 | WTTDYBrI | 3.8 | 1 | 80 | 28 |
| U94-2623 | P+WGBDYBrI | 2.5 | 1 | 95 | 27 |
| U94-2629 | WGBDYBfI | 3.5 | 3 | 100 | 27 |

PRELIMINARY TEST IIA, 1995

DISEASE DATA

| Strain | BTS | PR | | | | PS | PSB | Hd Seed |
|-----------------|--------------------|------------------------|---------------------------|-----------------------------|------------------------|--------|---------------------|---------|
| | Ames a Score | Custar Root Race | Rot 25 Phyto Rot | Urbana Ames Race 4 | Lafayette Race 7 | a % | Lafayette n % | % |
| Marcus BC (I) | 87 | 4.1 | 1.0 | R | R | 26 | 0 | 24 |
| IA2007 BC (L) | 97 | 3.8 | 1.0 | R | R | 24 | 2 | 14 |
| IA2008 BC (BSR) | 102 | 3.8 | 1.0 | R | R | 6 | 0 | 40 |
| A91-607052 (II) | 91 | 4.5 | 1.0 | R | R | 10 | 0 | 32 |
| A94-572007 | 96 | 3.9 | 1.0 | R | R | 4 | 0 | 0 |
| A94-572054 | 100 | 4.3 | 2.3 | S | S | 34 | 2 | 12 |
| A94-672021 | 121 | 3.5 | 1.0 | R | R | 8 | 0 | 0 |
| A94-672022 | 103 | 3.9 | 1.5 | S | S | 4 | 2 | 10 |
| A94-672031 | 101 | 4.4 | 1.5 | S | S | 36 | 8 | 0 |
| A94-672034 | 99 | 4.6 | 1.3 | S | S | 46 | 0 | 0 |
| A94-674015 | 95 | 4.3 | 2.0 | S | S | 46 | 0 | 28 |
| A94-674017 | 94 | 4.0 | 2.3 | S | S | 48 | 2 | 10 |
| A94-674028 | 99 | 3.9 | 1.0 | S | R | 22 | 0 | 0 |
| A94-674046 | 109 | 4.0 | 2.0 | S | S | 48 | 2 | 0 |
| A94-674048 | 103 | 4.2 | 1.8 | S | S | 6 | 0 | 30 |
| HC91-3856 | 102 | 5.3 | 2.5 | S | S | 20 | 2 | 0 |
| LN92-6319 | 100 | 4.5 | 1.3 | H | S | 22 | 2 | 18 |
| LN92-7369 | 102 | 3.6 | 1.0 | R | R | 58 | 2 | 0 |
| LN92-7453 | 108 | 4.1 | 1.0 | H | R | 38 | 0 | 0 |
| LN92-12557 | 108 | 3.9 | 1.0 | R | R | 12 | 2 | 22 |
| LN92-12562 | 95 | 5.2 | 1.0 | R | R | 8 | 8 | 14 |
| LN92-12575 | 97 | 4.2 | 1.3 | R | R | 16 | 0 | 0 |
| U94-2132 | 105 | 3.9 | 1.3 | S | S | 36 | 0 | 0 |
| U94-2218 | 101 | 3.9 | 1.8 | S | S | 34 | 0 | 0 |
| U94-2229 | 96 | 4.2 | 1.0 | S | S | 22 | 0 | 14 |
| U94-2234 | 93 | 4.0 | 1.8 | S | S | 20 | 2 | 0 |
| U94-2236 | 96 | 4.0 | 1.8 | S | S | 10 | 2 | 0 |
| U94-2306 | 105 | 4.6 | 2.0 | S | S | 28 | 2 | 0 |
| U94-2316 | 106 | 4.2 | 1.5 | S | S | 10 | 0 | 0 |
| U94-2329 | 105 | 4.2 | 1.0 | S | S | 34 | 0 | 0 |
| U94-2407 | 100 | 4.3 | 1.5 | S | S | 12 | 0 | 0 |
| U94-2429 | 96 | 3.8 | 1.3 | S | R | 42 | 8 | 0 |
| U94-2529 | 98 | 3.8 | 1.0 | S | S | 14 | 0 | 0 |
| U94-2612 | 106 | 4.5 | 1.5 | S | S | 28 | 0 | 0 |
| U94-2614 | 96 | 4.2 | 1.3 | S | S | 8 | 2 | 0 |
| U94-2623 | 107 | 4.8 | 1.5 | S | S | 24 | 2 | 0 |
| U94-2629 | 102 | 3.7 | 1.5 | S | S | 36 | 0 | 26 |

PRELIMINARY TEST IIA, 1995

REGIONAL SUMMARY

| No. of Tests Strain | Yield 9 bu/a | Rank 9 No. | Maturity 9 Date | Lodging 10 Score | Plant Height 10 In. | Seed Quality 10 Score | Seed Size 10 g/100 | Composition | |
|------------------------|--------------------|------------------|-----------------------|------------------------|------------------------------|--------------------------------|-----------------------------|-------------------|---------------|
| | | | | | | | | Protein 5 % | Oil 5 % |
| Marcus BC (I) | 48.7 | 29 | -1.2 | 1.4 | 32 | 2.0 | 16.7 | 42.4 | 21.0 |
| IA2007 BC (L) | 48.6 | 31 | 4.2 | 1.2 | 35 | 1.7 | 16.4 | 41.8 | 21.1 |
| IA2008 BC (BSR) | 45.7 | 37 | 0.7 | 1.7 | 37 | 1.7 | 15.0 | 42.1 | 20.5 |
| A91-607052 (II) | 50.6 | 23 | 09/17* | 1.2 | 30 | 1.9 | 16.7 | 40.9 | 21.2 |
| A94-572007 | 49.4 | 28 | 0.7 | 1.3 | 34 | 1.6 | 18.7 | 44.2 | 20.7 |
| A94-572054 | 50.6 | 23 | 3.1 | 1.9 | 34 | 1.6 | 15.4 | 40.9 | 21.2 |
| A94-672021 | 47.7 | 34 | 8.6 | 2.1 | 41 | 1.7 | 18.9 | 45.1 | 20.3 |
| A94-672022 | 47.1 | 35 | 1.2 | 1.9 | 38 | 1.4 | 13.3 | 42.3 | 20.2 |
| A94-672031 | 51.2 | 16 | 3.9 | 1.6 | 37 | 1.5 | 16.9 | 40.9 | 20.9 |
| A94-672034 | 48.7 | 29 | 1.3 | 1.5 | 36 | 2.1 | 15.7 | 41.5 | 20.7 |
| A94-674015 | 51.5 | 14 | 2.2 | 1.1 | 32 | 1.6 | 15.0 | 41.5 | 21.4 |
| A94-674017 | 52.8 | 9 | 3.4 | 1.7 | 33 | 1.5 | 18.3 | 41.4 | 21.4 |
| A94-674028 | 48.4 | 32 | 0.8 | 1.8 | 34 | 1.6 | 14.6 | 43.1 | 20.2 |
| A94-674046 | 51.2 | 16 | 8.6 | 2.2 | 37 | 1.9 | 16.1 | 41.7 | 20.9 |
| A94-674048 | 49.9 | 27 | 1.0 | 1.6 | 34 | 1.5 | 14.2 | 42.3 | 20.6 |
| HC91-3856 | 46.8 | 36 | 7.0 | 1.5 | 35 | 1.7 | 15.4 | 42.2 | 20.6 |
| LN92-6319 | 51.0 | 19 | 5.2 | 1.3 | 34 | 1.4 | 14.7 | 43.0 | 20.4 |
| LN92-7369 | 52.6 | 10 | 5.8 | 1.5 | 34 | 1.4 | 18.3 | 45.6 | 19.9 |
| LN92-7453 | 51.2 | 16 | 5.8 | 1.2 | 37 | 1.2 | 15.8 | 43.7 | 20.6 |
| LN92-12557 | 50.9 | 20 | 6.8 | 1.7 | 37 | 1.3 | 19.3 | 42.1 | 20.8 |
| LN92-12562 | 50.6 | 23 | 5.0 | 1.1 | 34 | 1.8 | 17.5 | 42.6 | 20.9 |
| LN92-12575 | 47.8 | 33 | 4.7 | 1.4 | 35 | 1.6 | 19.8 | 43.6 | 20.7 |
| U94-2132 | 52.1 | 12 | 7.6 | 1.7 | 36 | 1.5 | 14.4 | 42.4 | 20.5 |
| U94-2218 | 53.5 | 7 | 8.1 | 1.5 | 35 | 1.3 | 15.4 | 43.1 | 20.6 |
| U94-2229 | 52.9 | 8 | 7.9 | 1.3 | 33 | 1.5 | 14.1 | 42.3 | 20.7 |
| U94-2234 | 51.3 | 15 | 7.6 | 1.3 | 34 | 1.4 | 15.7 | 43.9 | 20.3 |
| U94-2236 | 54.3 | 3 | 5.4 | 1.3 | 34 | 1.2 | 15.1 | 42.0 | 20.9 |
| U94-2306 | 56.8 | 1 | 8.9 | 1.4 | 39 | 1.4 | 14.5 | 42.0 | 20.8 |
| U94-2316 | 51.8 | 13 | 7.9 | 1.6 | 38 | 1.4 | 14.0 | 42.6 | 20.5 |
| U94-2329 | 50.8 | 22 | 5.6 | 1.9 | 38 | 1.9 | 15.2 | 41.9 | 20.3 |
| U94-2407 | 50.9 | 20 | 5.1 | 1.3 | 34 | 1.4 | 13.2 | 42.8 | 20.4 |
| U94-2429 | 53.9 | 4 | 6.2 | 1.3 | 32 | 1.3 | 13.4 | 43.5 | 20.4 |
| U94-2529 | 55.4 | 2 | 5.3 | 1.3 | 33 | 1.2 | 13.7 | 42.0 | 20.2 |
| U94-2612 | 50.0 | 26 | 4.1 | 1.6 | 37 | 1.4 | 15.5 | 41.6 | 20.2 |
| U94-2614 | 52.3 | 11 | 5.8 | 1.4 | 33 | 1.3 | 16.2 | 42.9 | 20.9 |
| U94-2623 | 53.7 | 6 | 8.4 | 1.4 | 38 | 1.5 | 14.1 | 42.7 | 20.3 |
| U94-2629 | 53.8 | 5 | 5.0 | 1.3 | 36 | 1.6 | 15.5 | 42.9 | 20.2 |

* 113.56 Days After Planting

PRELIMINARY TEST IIA, 1995

YIELD (bu/a)

| Strain | Mean 9 Tests | Ames IA | Keystone IA | Urbana IL | Lafayette IN | Ingham County MI |
|-----------------|--------------------|------------|----------------|--------------|-----------------|------------------------|
| Marcus BC (I) | 48.7 | 56.4 | 54.0 | 42.5 | 36.0 | 54.5 |
| IA2007 BC (L) | 48.6 | 54.9 | 56.9 | 45.8 | 37.0 | 55.4 |
| IA2008 BC (BSR) | 45.7 | 54.9 | 58.1 | 39.5 | 31.9 | 60.5 |
| A91-607052 (II) | 50.6 | 61.3 | 57.3 | 43.0 | 34.6 | 58.0 |
| A94-572007 | 49.4 | 59.4 | 54.5 | 47.1 | 34.0 | 56.3 |
| A94-572054 | 50.6 | 59.2 | 57.4 | 42.1 | 42.9 | 59.5 |
| A94-672021 | 47.7 | 51.3 | 52.9 | 57.2 | 38.9 | 55.7 |
| A94-672022 | 47.1 | 54.3 | 60.0 | 47.1 | 40.6 | 52.3 |
| A94-672031 | 51.2 | 62.6 | 59.0 | 46.8 | 44.3 | 58.0 |
| A94-672034 | 48.7 | 59.8 | 54.4 | 45.4 | 38.9 | 32.8 |
| A94-674015 | 51.5 | 63.3 | 57.0 | 52.7 | 41.6 | 55.2 |
| A94-674017 | 52.8 | 61.3 | 58.7 | 46.9 | 45.6 | 58.2 |
| A94-674028 | 48.4 | 58.5 | 57.6 | 51.2 | 34.1 | 52.2 |
| A94-674046 | 51.2 | 57.2 | 58.6 | 48.5 | 40.5 | 57.6 |
| A94-674048 | 49.9 | 57.0 | 56.0 | 45.4 | 37.4 | 54.5 |
| HC91-3856 | 46.8 | 56.1 | 53.6 | 54.4 | 37.5 | 52.8 |
| LN92-6319 | 51.0 | 60.3 | 52.5 | 54.2 | 37.6 | 57.2 |
| LN92-7369 | 52.6 | 62.7 | 58.6 | 49.5 | 49.7 | 59.6 |
| LN92-7453 | 51.2 | 55.7 | 55.1 | 47.9 | 44.3 | 59.2 |
| LN92-12557 | 50.9 | 60.7 | 54.8 | 52.6 | 43.2 | 59.4 |
| LN92-12562 | 50.6 | 57.2 | 58.4 | 59.4 | 39.3 | 56.3 |
| LN92-12575 | 47.8 | 53.1 | 53.7 | 49.7 | 39.6 | 59.4 |
| U94-2132 | 52.1 | 54.1 | 55.2 | 61.3 | 42.5 | 50.7 |
| U94-2218 | 53.5 | 57.8 | 56.8 | 60.6 | 43.9 | 60.3 |
| U94-2229 | 52.9 | 65.7 | 53.4 | 57.7 | 40.8 | 58.6 |
| U94-2234 | 51.3 | 58.3 | 54.7 | 57.0 | 40.5 | 55.4 |
| U94-2236 | 54.3 | 60.2 | 58.6 | 58.3 | 47.5 | 55.8 |
| U94-2306 | 56.8 | 62.1 | 57.4 | 64.5 | 49.8 | 58.9 |
| U94-2316 | 51.8 | 53.7 | 60.1 | 54.4 | 37.1 | 53.0 |
| U94-2329 | 50.8 | 57.9 | 56.8 | 54.1 | 41.9 | 61.0 |
| U94-2407 | 50.9 | 57.2 | 59.8 | 55.1 | 37.1 | 53.1 |
| U94-2429 | 53.9 | 61.5 | 58.0 | 62.1 | 43.1 | 55.7 |
| U94-2529 | 55.4 | 63.7 | 61.6 | 59.9 | 41.7 | 64.0 |
| U94-2612 | 50.0 | 58.0 | 58.1 | 46.2 | 42.4 | 51.7 |
| U94-2614 | 52.3 | 56.6 | 60.4 | 56.6 | 43.6 | 58.2 |
| U94-2623 | 53.7 | 59.8 | 55.8 | 57.8 | 47.5 | 57.3 |
| U94-2629 | 53.8 | 59.8 | 62.3 | 56.3 | 40.9 | 49.4 |
| C.V. (%) | | 6.3 | 5.9 | 11.5 | 8.7 | 9.3 |
| L.S.D. (5%) | | 7.4 | 6.8 | 12.3 | 7.3 | 11.6 |
| Row Sp. (In.) | | 27 | 27 | 30 | 24 | 30 |
| Rows/Plot | | 4 | 4 | 4 | 4 | 4 |
| Reps | | 2 | 2 | 2 | 2 | 2 |

PRELIMINARY TEST IIA, 1995

YIELD (bu/a)

| Strain | David City NE | Hartington* NE | Adelphia NJ | Hoytville OH | Ridgtown Ont. |
|-----------------|---------------------|-------------------|----------------|-----------------|------------------|
| Marcus BC (I) | 46.8 | 32.6 | 34.3 | 47.8 | 65.6 |
| IA2007 BC (L) | 48.8 | 32.4 | 36.1 | 45.2 | 57.4 |
| IA2008 BC (BSR) | 44.8 | 40.0 | 27.9 | 31.3 | 62.5 |
| A91-607052 (II) | 49.4 | 29.4 | 35.0 | 46.8 | 70.0 |
| A94-572007 | 50.4 | 33.0 | 39.6 | 32.5 | 70.9 |
| A94-572054 | 46.4 | 23.2 | 39.3 | 42.5 | 65.9 |
| A94-672021 | 42.5 | 25.8 | 35.3 | 40.2 | 55.3 |
| A94-672022 | 48.2 | 31.0 | 33.3 | 29.9 | 58.3 |
| A94-672031 | 46.9 | 30.3 | 39.8 | 39.1 | 64.4 |
| A94-672034 | 54.6 | 21.0 | 41.5 | 42.9 | 68.1 |
| A94-674015 | 45.7 | 27.9 | 40.2 | 39.5 | 68.2 |
| A94-674017 | 51.5 | 30.1 | 42.3 | 38.7 | 72.2 |
| A94-674028 | 46.6 | 31.4 | 33.0 | 34.9 | 67.6 |
| A94-674046 | 48.3 | 28.2 | 35.7 | 42.0 | 72.0 |
| A94-674048 | 52.4 | 25.0 | 31.7 | 41.9 | 73.1 |
| HC91-3856 | 46.5 | 31.1 | 34.3 | 32.2 | 53.7 |
| LN92-6319 | 45.2 | 34.2 | 39.1 | 49.4 | 63.6 |
| LN92-7369 | 48.0 | 32.9 | 32.4 | 49.5 | 63.3 |
| LN92-7453 | 46.5 | 26.8 | 38.2 | 45.8 | 68.4 |
| LN92-12557 | 45.2 | 25.2 | 38.2 | 36.6 | 67.1 |
| LN92-12562 | 46.2 | 25.6 | 39.8 | 31.4 | 67.7 |
| LN92-12575 | 45.5 | 31.2 | 39.0 | 31.4 | 59.1 |
| U94-2132 | 48.9 | 28.1 | 39.8 | 52.5 | 63.5 |
| U94-2218 | 47.4 | 25.0 | 41.8 | 44.9 | 67.9 |
| U94-2229 | 50.4 | 32.3 | 43.6 | 36.3 | 69.3 |
| U94-2234 | 48.4 | 24.8 | 38.3 | 40.5 | 68.4 |
| U94-2236 | 51.3 | 29.8 | 42.6 | 42.7 | 71.4 |
| U94-2306 | 46.5 | 31.1 | 43.7 | 45.4 | 82.8 |
| U94-2316 | 51.3 | 33.3 | 39.3 | 39.2 | 78.3 |
| U94-2329 | 47.6 | 26.9 | 38.8 | 33.3 | 65.5 |
| U94-2407 | 46.8 | 23.4 | 37.8 | 46.1 | 64.7 |
| U94-2429 | 48.0 | 22.7 | 42.1 | 43.3 | 71.4 |
| U94-2529 | 45.7 | 21.7 | 40.0 | 44.8 | 77.0 |
| U94-2612 | 48.0 | 26.8 | 36.5 | 37.1 | 71.6 |
| U94-2614 | 40.6 | 30.2 | 41.1 | 45.2 | 68.7 |
| U94-2623 | 49.6 | 33.6 | 43.9 | 40.3 | 71.5 |
| U94-2629 | 50.9 | 24.3 | 44.9 | 49.3 | 70.1 |
| C.V. (%) | 6.5 | 23.0 | 11.1 | 12.4 | 8.2 |
| L.S.D. (5%) | 8.9 | 13.4 | 8.5 | 10.1 | 8.3 |
| Row Sp. (In.) | 30 | 30 | 30 | 30 | 24 |
| Rows/Plot | 4 | 4 | 4 | 4 | 4 |
| Reps | 2 | 2 | 2 | 2 | 2 |

* Data not included in the mean.

PRELIMINARY TEST IIA, 1995

YIELD RANK

| Strain | Yield Rank | Ames IA | Keystone IA | Urbana IL | Lafayette IN | Ingham County MI |
|-----------------|------------|---------|-------------|-----------|--------------|------------------|
| Marcus BC (I) | 29 | 28 | 32 | 35 | 33 | 28 |
| IA2007 BC (L) | 31 | 31 | 21 | 31 | 32 | 24 |
| IA2008 BC (BSR) | 37 | 31 | 13 | 37 | 37 | 3 |
| A91-607052 (II) | 23 | 8 | 19 | 34 | 34 | 14 |
| A94-572007 | 28 | 16 | 30 | 26 | 36 | 19 |
| A94-572054 | 23 | 17 | 17 | 36 | 12 | 6 |
| A94-672021 | 34 | 37 | 36 | 10 | 25 | 22 |
| A94-672022 | 35 | 33 | 5 | 27 | 20 | 32 |
| A94-672031 | 16 | 5 | 7 | 29 | 6 | 14 |
| A94-672034 | 29 | 13 | 31 | 32 | 25 | 37 |
| A94-674015 | 14 | 3 | 20 | 19 | 17 | 26 |
| A94-674017 | 9 | 8 | 8 | 28 | 5 | 12 |
| A94-674028 | 32 | 18 | 16 | 21 | 35 | 33 |
| A94-674046 | 16 | 23 | 9 | 24 | 21 | 16 |
| A94-674048 | 27 | 26 | 24 | 32 | 29 | 27 |
| HC91-3856 | 36 | 29 | 34 | 15 | 28 | 31 |
| LN92-6319 | 19 | 11 | 37 | 17 | 27 | 18 |
| LN92-7369 | 10 | 4 | 9 | 23 | 2 | 5 |
| LN92-7453 | 16 | 30 | 27 | 25 | 6 | 9 |
| LN92-12557 | 20 | 10 | 28 | 20 | 10 | 7 |
| LN92-12562 | 23 | 23 | 12 | 6 | 24 | 19 |
| LN92-12575 | 33 | 36 | 33 | 22 | 23 | 7 |
| U94-2132 | 12 | 34 | 26 | 3 | 13 | 35 |
| U94-2218 | 7 | 22 | 22 | 4 | 8 | 4 |
| U94-2229 | 8 | 1 | 35 | 9 | 19 | 11 |
| U94-2234 | 15 | 19 | 29 | 11 | 21 | 24 |
| U94-2236 | 3 | 12 | 9 | 7 | 3 | 21 |
| U94-2306 | 1 | 6 | 17 | 1 | 1 | 10 |
| U94-2316 | 13 | 35 | 4 | 15 | 30 | 30 |
| U94-2329 | 22 | 21 | 22 | 18 | 15 | 2 |
| U94-2407 | 20 | 23 | 6 | 14 | 30 | 29 |
| U94-2429 | 4 | 7 | 15 | 2 | 11 | 22 |
| U94-2529 | 2 | 2 | 2 | 5 | 16 | 1 |
| U94-2612 | 26 | 20 | 13 | 30 | 14 | 34 |
| U94-2614 | 11 | 27 | 3 | 12 | 9 | 12 |
| U94-2623 | 6 | 13 | 25 | 8 | 4 | 17 |
| U94-2629 | 5 | 13 | 1 | 13 | 18 | 36 |

PRELIMINARY TEST IIA, 1995

YIELD RANK

| Strain | David City NE | Hartington NE | Adelphia NJ | Hoytville OH | Ridgtown Ont. |
|-----------------|---------------------|------------------|----------------|-----------------|------------------|
| Marcus BC (I) | 22 | 7 | 31 | 5 | 25 |
| IA2007 BC (L) | 12 | 8 | 27 | 10 | 35 |
| IA2008 BC (BSR) | 35 | 1 | 37 | 36 | 32 |
| A91-607052 (II) | 10 | 19 | 30 | 6 | 13 |
| A94-572007 | 7 | 5 | 16 | 32 | 11 |
| A94-572054 | 28 | 34 | 17 | 17 | 24 |
| A94-672021 | 36 | 26 | 29 | 22 | 36 |
| A94-672022 | 15 | 14 | 33 | 37 | 34 |
| A94-672031 | 21 | 15 | 13 | 25 | 28 |
| A94-672034 | 1 | 37 | 9 | 15 | 19 |
| A94-674015 | 30 | 22 | 11 | 23 | 18 |
| A94-674017 | 3 | 17 | 6 | 26 | 5 |
| A94-674028 | 24 | 10 | 34 | 30 | 22 |
| A94-674046 | 14 | 20 | 28 | 18 | 6 |
| A94-674048 | 2 | 29 | 36 | 19 | 4 |
| HC91-3856 | 27 | 12 | 31 | 33 | 37 |
| LN92-6319 | 34 | 2 | 19 | 3 | 29 |
| LN92-7369 | 17 | 6 | 35 | 2 | 31 |
| LN92-7453 | 25 | 25 | 23 | 8 | 16 |
| LN92-12557 | 33 | 28 | 23 | 28 | 23 |
| LN92-12562 | 29 | 27 | 13 | 34 | 21 |
| LN92-12575 | 32 | 11 | 20 | 34 | 33 |
| U94-2132 | 11 | 21 | 13 | 1 | 30 |
| U94-2218 | 20 | 30 | 8 | 12 | 20 |
| U94-2229 | 8 | 9 | 4 | 29 | 14 |
| U94-2234 | 13 | 31 | 22 | 20 | 16 |
| U94-2236 | 4 | 18 | 5 | 16 | 9 |
| U94-2306 | 26 | 13 | 3 | 9 | 1 |
| U94-2316 | 5 | 4 | 17 | 24 | 2 |
| U94-2329 | 19 | 23 | 21 | 31 | 26 |
| U94-2407 | 23 | 33 | 25 | 7 | 27 |
| U94-2429 | 18 | 35 | 7 | 14 | 9 |
| U94-2529 | 31 | 36 | 12 | 13 | 3 |
| U94-2612 | 16 | 24 | 26 | 27 | 7 |
| U94-2614 | 37 | 16 | 10 | 10 | 15 |
| U94-2623 | 9 | 3 | 2 | 21 | 8 |
| U94-2629 | 6 | 32 | 1 | 4 | 12 |

PRELIMINARY TEST IIA, 1995

MATURITY (date)

| Strain | Mean 9 Tests | Ames IA | Keystone IA | Urbana IL | Lafayette IN | Ingham County MI |
|-----------------|--------------------|------------|----------------|--------------|-----------------|------------------------|
| Marcus BC (I) | -1.2 | 2 | | -2 | -4 | 0 |
| IA2007 BC (L) | 4.2 | 6 | | 4 | 3 | 6 |
| IA2008 BC (BSR) | 0.7 | 0 | | -1 | -1 | 1 |
| A91-607052 (II) | 09/17 | 09/14 | | 09/13 | 09/11 | 09/24 |
| A94-572007 | 0.7 | 2 | | 1 | 0 | 1 |
| A94-572054 | 3.1 | 2 | | 5 | 2 | 0 |
| A94-672021 | 8.6 | 8 | | 6 | 11 | 8 |
| A94-672022 | 1.2 | 2 | | 1 | 2 | 0 |
| A94-672031 | 3.9 | 2 | | 2 | 5 | 2 |
| A94-672034 | 1.3 | 1 | | 1 | -1 | 0 |
| A94-674015 | 2.2 | 2 | | 4 | 0 | 1 |
| A94-674017 | 3.4 | 2 | | 2 | 4 | 2 |
| A94-674028 | 0.8 | 1 | | -2 | 1 | 0 |
| A94-674046 | 8.6 | 8 | | 8 | 10 | 7 |
| A94-674048 | 1.0 | 1 | | 1 | 0 | -1 |
| HC91-3856 | 7.0 | 6 | | 5 | 8 | 6 |
| LN92-6319 | 5.2 | 3 | | 4 | 6 | 3 |
| LN92-7369 | 5.8 | 6 | | 4 | 8 | 9 |
| LN92-7453 | 5.8 | 4 | | 5 | 8 | 6 |
| LN92-12557 | 6.8 | 7 | | 6 | 8 | 7 |
| LN92-12562 | 5.0 | 8 | | 4 | 6 | 4 |
| LN92-12575 | 4.7 | 4 | | 4 | 5 | 5 |
| U94-2132 | 7.6 | 6 | | 7 | 11 | 4 |
| U94-2218 | 8.1 | 8 | | 8 | 9 | 7 |
| U94-2229 | 7.9 | 6 | | 7 | 8 | 7 |
| U94-2234 | 7.6 | 6 | | 8 | 9 | 6 |
| U94-2236 | 5.4 | 3 | | 5 | 7 | 6 |
| U94-2306 | 8.9 | 8 | | 9 | 12 | 7 |
| U94-2316 | 7.9 | 8 | | 9 | 8 | 7 |
| U94-2329 | 5.6 | 4 | | 4 | 5 | 5 |
| U94-2407 | 5.1 | 4 | | 6 | 4 | 4 |
| U94-2429 | 6.2 | 7 | | 6 | 8 | 5 |
| U94-2529 | 5.3 | 6 | | 4 | 7 | 5 |
| U94-2612 | 4.1 | 2 | | 4 | 5 | 2 |
| U94-2614 | 5.8 | 4 | | 6 | 7 | 6 |
| U94-2623 | 8.4 | 6 | | 9 | 11 | 4 |
| U94-2629 | 5.0 | 4 | | 2 | 6 | 4 |
| Date Planted | 05/27 | 05/23 | | 05/08 | 06/05 | 05/23 |
| Days to Mature | 113.6 | 114 | | 128 | 98 | 124 |

PRELIMINARY TEST IIA, 1995

MATURITY (date)

| Strain | David City NE | Hartington NE | Adelphia NJ | Hoytville OH | Ridgtown Ont. |
|-----------------|---------------------|------------------|----------------|-----------------|------------------|
| Marcus BC (I) | -3 | -3 | -2 | 0 | 1 |
| IA2007 BC (L) | 1 | 4 | -1 | 8 | 7 |
| IA2008 BC (BSR) | 1 | 3 | 1 | -2 | 4 |
| A91-607052 (II) | 09/26 | 09/30 | 09/16 | 09/10 | 09/14 |
| A94-572007 | 1 | 0 | 3 | -3 | 1 |
| A94-572054 | 1 | 3 | 2 | 6 | 7 |
| A94-672021 | 0 | 8 | 11 | 8 | 17 |
| A94-672022 | -1 | -2 | 3 | 2 | 4 |
| A94-672031 | 2 | 4 | 6 | 5 | 7 |
| A94-672034 | 0 | 3 | 2 | 2 | 4 |
| A94-674015 | 2 | 4 | 3 | 3 | 1 |
| A94-674017 | 2 | 4 | 3 | 5 | 7 |
| A94-674028 | 0 | 2 | 1 | -1 | 5 |
| A94-674046 | 4 | 6 | 6 | 11 | 17 |
| A94-674048 | 2 | 3 | 1 | -1 | 3 |
| HC91-3856 | 4 | 9 | 7 | 9 | 9 |
| LN92-6319 | 3 | 8 | 5 | 6 | 9 |
| LN92-7369 | 3 | 4 | 4 | 5 | 9 |
| LN92-7453 | 3 | 8 | 6 | 4 | 8 |
| LN92-12557 | 3 | 8 | 7 | 3 | 12 |
| LN92-12562 | 3 | 6 | 2 | 5 | 7 |
| LN92-12575 | 2 | 4 | 6 | 5 | 7 |
| U94-2132 | 5 | 6 | 7 | 8 | 14 |
| U94-2218 | 3 | 9 | 9 | 7 | 13 |
| U94-2229 | 5 | 9 | 9 | 7 | 13 |
| U94-2234 | 4 | 9 | 7 | 8 | 11 |
| U94-2236 | 3 | 8 | 5 | 3 | 9 |
| U94-2306 | 5 | 9 | 10 | 7 | 13 |
| U94-2316 | 3 | 9 | 7 | 7 | 13 |
| U94-2329 | 2 | 4 | 6 | 5 | 15 |
| U94-2407 | 3 | 7 | 4 | 6 | 8 |
| U94-2429 | 4 | 8 | 4 | 5 | 9 |
| U94-2529 | 3 | 6 | 5 | 5 | 7 |
| U94-2612 | 3 | 4 | 5 | 4 | 8 |
| U94-2614 | 3 | 9 | 6 | 4 | 7 |
| U94-2623 | 4 | 9 | 9 | 11 | 13 |
| U94-2629 | 2 | 4 | 7 | 7 | 9 |
| Date Planted | 06/06 | 05/30 | 06/15 | 05/22 | 05/18 |
| Days to Mature | 112 | 123 | 93 | 111 | 119 |

PRELIMINARY TEST IIA, 1995

LODGING (score)

| Strain | Mean 10 Tests | Ames IA | Keystone IA | Urbana IL | Lafay- ette IN | Ingham County MI |
|-----------------|---------------------|------------|----------------|--------------|----------------------|------------------------|
| Marcus BC (I) | 1.4 | 1.6 | 1.4 | 1.0 | 1.3 | 2.0 |
| IA2007 BC (L) | 1.2 | 1.4 | 1.2 | 1.0 | 1.0 | 1.0 |
| IA2008 BC (BSR) | 1.7 | 1.9 | 1.6 | 1.0 | 1.3 | 1.5 |
| A91-607052 (II) | 1.2 | 1.7 | 1.3 | 1.0 | 1.0 | 1.0 |
| A94-572007 | 1.3 | 1.7 | 1.4 | 1.0 | 1.0 | 1.5 |
| A94-572054 | 1.9 | 2.5 | 1.7 | 1.0 | 2.0 | 2.5 |
| A94-672021 | 2.1 | 1.9 | 1.9 | 1.3 | 2.0 | 3.0 |
| A94-672022 | 1.9 | 2.2 | 1.7 | 1.3 | 2.0 | 1.5 |
| A94-672031 | 1.6 | 1.7 | 1.5 | 1.0 | 1.3 | 1.5 |
| A94-672034 | 1.5 | 1.8 | 1.4 | 1.0 | 1.0 | 1.0 |
| A94-674015 | 1.1 | 1.4 | 1.3 | 1.0 | 1.0 | 1.0 |
| A94-674017 | 1.7 | 1.6 | 1.7 | 1.3 | 1.3 | 2.0 |
| A94-674028 | 1.8 | 1.7 | 1.5 | 1.5 | 1.3 | 1.5 |
| A94-674046 | 2.2 | 2.4 | 1.9 | 1.3 | 2.3 | 2.5 |
| A94-674048 | 1.6 | 1.5 | 1.3 | 1.0 | 1.5 | 1.5 |
| HC91-3856 | 1.5 | 2.1 | 1.9 | 1.0 | 1.0 | 1.5 |
| LN92-6319 | 1.3 | 1.3 | 1.3 | 1.0 | 1.0 | 2.0 |
| LN92-7369 | 1.5 | 1.7 | 1.4 | 1.0 | 1.0 | 2.5 |
| LN92-7453 | 1.2 | 1.3 | 1.3 | 1.0 | 1.0 | 1.5 |
| LN92-12557 | 1.7 | 1.5 | 1.3 | 1.0 | 1.0 | 2.5 |
| LN92-12562 | 1.1 | 1.3 | 1.3 | 1.0 | 1.0 | 1.0 |
| LN92-12575 | 1.4 | 1.2 | 1.3 | 1.0 | 1.0 | 1.5 |
| U94-2132 | 1.7 | 2.0 | 2.1 | 1.0 | 1.3 | 1.5 |
| U94-2218 | 1.5 | 1.3 | 1.5 | 1.0 | 1.0 | 1.5 |
| U94-2229 | 1.3 | 1.3 | 1.3 | 1.0 | 1.0 | 2.0 |
| U94-2234 | 1.3 | 1.5 | 1.6 | 1.0 | 1.0 | 1.0 |
| U94-2236 | 1.3 | 1.7 | 1.4 | 1.0 | 1.0 | 1.0 |
| U94-2306 | 1.4 | 1.5 | 1.6 | 1.0 | 1.0 | 1.5 |
| U94-2316 | 1.6 | 1.8 | 1.7 | 1.0 | 1.0 | 1.5 |
| U94-2329 | 1.9 | 2.6 | 1.6 | 1.0 | 1.8 | 2.0 |
| U94-2407 | 1.3 | 1.4 | 1.4 | 1.0 | 1.0 | 1.0 |
| U94-2429 | 1.3 | 1.3 | 1.3 | 1.0 | 1.0 | 2.0 |
| U94-2529 | 1.3 | 1.5 | 1.3 | 1.0 | 1.0 | 1.5 |
| U94-2612 | 1.6 | 1.7 | 1.7 | 1.0 | 1.5 | 1.0 |
| U94-2614 | 1.4 | 1.6 | 1.5 | 1.0 | 1.0 | 2.0 |
| U94-2623 | 1.4 | 1.7 | 1.5 | 1.0 | 1.0 | 1.0 |
| U94-2629 | 1.3 | 1.4 | 1.4 | 1.0 | 1.0 | 1.5 |

PRELIMINARY TEST IIA, 1995

LODGING (score)

| Strain | David City NE | Hartington NE | Adelphia NJ | Hoytville OH | Ridgtown Ont. |
|-----------------|---------------------|------------------|----------------|-----------------|------------------|
| Marcus BC (I) | 1.0 | 1.0 | 1.5 | 1.0 | 2.0 |
| IA2007 BC (L) | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 |
| IA2008 BC (BSR) | 1.0 | 1.0 | 3.5 | 1.5 | 2.5 |
| A91-607052 (II) | 1.0 | 1.0 | 1.5 | 1.0 | 1.0 |
| A94-572007 | 1.0 | 1.0 | 1.5 | 1.0 | 2.0 |
| A94-572054 | 1.0 | 1.0 | 3.0 | 1.2 | 3.0 |
| A94-672021 | 1.0 | 1.0 | 3.5 | 2.5 | 3.0 |
| A94-672022 | 1.0 | 1.0 | 3.5 | 1.8 | 2.5 |
| A94-672031 | 1.0 | 1.0 | 3.0 | 1.5 | 2.0 |
| A94-672034 | 1.0 | 1.0 | 3.5 | 1.5 | 2.0 |
| A94-674015 | 1.0 | 1.0 | 1.5 | 1.0 | 1.0 |
| A94-674017 | 1.0 | 1.0 | 3.5 | 1.2 | 2.0 |
| A94-674028 | 1.0 | 1.0 | 4.0 | 1.2 | 3.0 |
| A94-674046 | 1.0 | 1.0 | 4.0 | 2.5 | 3.5 |
| A94-674048 | 1.0 | 1.0 | 3.5 | 1.2 | 2.0 |
| HC91-3856 | 1.0 | 1.0 | 1.5 | 1.0 | 2.5 |
| LN92-6319 | 1.0 | 1.0 | 1.0 | 1.2 | 2.5 |
| LN92-7369 | 1.0 | 1.0 | 2.5 | 1.0 | 2.0 |
| LN92-7453 | 1.0 | 1.0 | 1.5 | 1.0 | 1.0 |
| LN92-12557 | 1.0 | 1.0 | 3.5 | 1.5 | 3.0 |
| LN92-12562 | 1.0 | 1.0 | 1.0 | 1.2 | 1.5 |
| LN92-12575 | 1.0 | 1.0 | 2.5 | 1.2 | 2.5 |
| U94-2132 | 1.0 | 1.0 | 3.0 | 1.5 | 3.0 |
| U94-2218 | 1.0 | 1.0 | 3.0 | 1.3 | 2.0 |
| U94-2229 | 1.0 | 1.0 | 1.5 | 1.0 | 2.0 |
| U94-2234 | 1.0 | 1.0 | 1.5 | 1.0 | 2.5 |
| U94-2236 | 1.0 | 1.0 | 1.5 | 1.2 | 2.5 |
| U94-2306 | 1.0 | 1.0 | 2.0 | 1.3 | 2.5 |
| U94-2316 | 1.0 | 1.0 | 2.0 | 1.5 | 3.0 |
| U94-2329 | 1.0 | 1.0 | 2.0 | 1.5 | 4.0 |
| U94-2407 | 1.0 | 1.0 | 1.5 | 1.2 | 2.0 |
| U94-2429 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 |
| U94-2529 | 1.0 | 1.0 | 1.5 | 1.0 | 2.0 |
| U94-2612 | 1.0 | 1.0 | 3.0 | 1.5 | 2.5 |
| U94-2614 | 1.0 | 1.0 | 2.0 | 1.3 | 1.5 |
| U94-2623 | 1.0 | 1.0 | 2.0 | 1.0 | 3.0 |
| U94-2629 | 1.0 | 1.0 | 1.5 | 1.0 | 2.5 |

PRELIMINARY TEST IIA, 1995

PLANT HEIGHT (inches)

| Strain | Mean 10 Tests | Ames IA | Keystone IA | Urbana IL | Lafayette IN | Ingham County MI |
|-----------------|---------------------|------------|----------------|--------------|-----------------|------------------------|
| Marcus BC (I) | 32 | 39 | 33 | 28 | 33 | 32 |
| IA2007 BC (L) | 35 | 44 | 38 | 32 | 35 | 35 |
| IA2008 BC (BSR) | 37 | 44 | 38 | 33 | 37 | 36 |
| A91-607052 (II) | 30 | 38 | 33 | 25 | 33 | 28 |
| A94-572007 | 34 | 42 | 34 | 31 | 35 | 35 |
| A94-572054 | 34 | 43 | 40 | 28 | 36 | 36 |
| A94-672021 | 41 | 50 | 44 | 34 | 44 | 45 |
| A94-672022 | 38 | 44 | 42 | 35 | 38 | 38 |
| A94-672031 | 37 | 44 | 36 | 34 | 36 | 35 |
| A94-672034 | 36 | 44 | 39 | 31 | 36 | 30 |
| A94-674015 | 32 | 42 | 40 | 26 | 35 | 29 |
| A94-674017 | 33 | 39 | 34 | 27 | 34 | 34 |
| A94-674028 | 34 | 42 | 35 | 30 | 39 | 31 |
| A94-674046 | 37 | 46 | 41 | 33 | 37 | 35 |
| A94-674048 | 34 | 40 | 36 | 26 | 36 | 33 |
| HC91-3856 | 35 | 45 | 38 | 33 | 36 | 35 |
| LN92-6319 | 34 | 42 | 34 | 31 | 37 | 34 |
| LN92-7369 | 34 | 42 | 36 | 31 | 34 | 35 |
| LN92-7453 | 37 | 46 | 40 | 31 | 36 | 38 |
| LN92-12557 | 37 | 44 | 42 | 33 | 39 | 36 |
| LN92-12562 | 34 | 40 | 38 | 31 | 34 | 34 |
| LN92-12575 | 35 | 42 | 40 | 34 | 35 | 35 |
| U94-2132 | 36 | 42 | 40 | 35 | 38 | 31 |
| U94-2218 | 35 | 44 | 40 | 33 | 33 | 34 |
| U94-2229 | 33 | 42 | 35 | 34 | 33 | 32 |
| U94-2234 | 34 | 43 | 34 | 32 | 36 | 29 |
| U94-2236 | 34 | 41 | 37 | 34 | 36 | 32 |
| U94-2306 | 39 | 47 | 42 | 36 | 41 | 37 |
| U94-2316 | 38 | 48 | 36 | 37 | 37 | 35 |
| U94-2329 | 38 | 44 | 42 | 37 | 39 | 37 |
| U94-2407 | 34 | 44 | 38 | 32 | 32 | 32 |
| U94-2429 | 32 | 42 | 38 | 32 | 32 | 29 |
| U94-2529 | 33 | 43 | 36 | 33 | 35 | 31 |
| U94-2612 | 37 | 46 | 42 | 34 | 38 | 35 |
| U94-2614 | 33 | 42 | 42 | 32 | 33 | 32 |
| U94-2623 | 38 | 48 | 42 | 36 | 40 | 36 |
| U94-2629 | 36 | 44 | 36 | 32 | 39 | 32 |

PRELIMINARY TEST IIA, 1995

PLANT HEIGHT (inches)

| Strain | David City NE | Hartington NE | Adelphia NJ | Hoytville OH | Ridgtown Ont. |
|-----------------|---------------------|------------------|----------------|-----------------|------------------|
| Marcus BC (I) | 30 | 22 | 31 | 31 | 39 |
| IA2007 BC (L) | 33 | 24 | 35 | 32 | 43 |
| IA2008 BC (BSR) | 37 | 25 | 37 | 35 | 52 |
| A91-607052 (II) | 28 | 24 | 30 | 28 | 36 |
| A94-572007 | 31 | 26 | 35 | 29 | 42 |
| A94-572054 | 32 | 21 | 33 | 31 | 41 |
| A94-672021 | 38 | 25 | 37 | 43 | 53 |
| A94-672022 | 32 | 26 | 42 | 35 | 50 |
| A94-672031 | 38 | 23 | 38 | 35 | 49 |
| A94-672034 | 35 | 24 | 37 | 32 | 48 |
| A94-674015 | 29 | 20 | 33 | 27 | 38 |
| A94-674017 | 32 | 26 | 35 | 32 | 41 |
| A94-674028 | 30 | 22 | 34 | 31 | 45 |
| A94-674046 | 36 | 24 | 35 | 38 | 48 |
| A94-674048 | 33 | 21 | 35 | 31 | 44 |
| HC91-3856 | 33 | 25 | 32 | 32 | 40 |
| LN92-6319 | 33 | 24 | 35 | 34 | 40 |
| LN92-7369 | 32 | 23 | 32 | 33 | 39 |
| LN92-7453 | 36 | 24 | 38 | 36 | 48 |
| LN92-12557 | 36 | 24 | 38 | 34 | 44 |
| LN92-12562 | 33 | 26 | 33 | 30 | 39 |
| LN92-12575 | 36 | 25 | 34 | 33 | 38 |
| U94-2132 | 35 | 25 | 33 | 35 | 48 |
| U94-2218 | 33 | 24 | 33 | 32 | 43 |
| U94-2229 | 30 | 24 | 33 | 29 | 40 |
| U94-2234 | 31 | 23 | 34 | 28 | 45 |
| U94-2236 | 31 | 22 | 33 | 33 | 41 |
| U94-2306 | 35 | 27 | 34 | 38 | 48 |
| U94-2316 | 35 | 24 | 42 | 36 | 51 |
| U94-2329 | 35 | 23 | 39 | 32 | 51 |
| U94-2407 | 33 | 23 | 35 | 32 | 42 |
| U94-2429 | 29 | 19 | 31 | 30 | 37 |
| U94-2529 | 30 | 19 | 32 | 31 | 41 |
| U94-2612 | 37 | 20 | 37 | 34 | 47 |
| U94-2614 | 28 | 22 | 33 | 31 | 39 |
| U94-2623 | 36 | 25 | 38 | 37 | 46 |
| U94-2629 | 35 | 22 | 39 | 36 | 47 |

PRELIMINARY TEST IIA, 1995

SEED QUALITY (score)

| Strain | Mean 10 Tests | Ames IA | Keystone IA | Urbana IL | Lafayette IN | Ingham County MI |
|-----------------|---------------------|------------|----------------|--------------|-----------------|------------------------|
| Marcus BC (I) | 2.0 | 1.0 | 2.0 | 2.5 | 3.0 | 1.5 |
| IA2007 BC (L) | 1.7 | 1.0 | 1.0 | 1.8 | 2.0 | 1.5 |
| IA2008 BC (BSR) | 1.7 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 |
| A91-607052 (II) | 1.9 | 1.0 | 2.0 | 2.3 | 3.0 | 1.5 |
| A94-572007 | 1.6 | 1.0 | 1.0 | 1.5 | 2.0 | 1.5 |
| A94-572054 | 1.6 | 1.0 | 1.0 | 2.8 | 2.0 | 1.5 |
| A94-672021 | 1.7 | 2.0 | 2.0 | 1.5 | 1.0 | 1.5 |
| A94-672022 | 1.4 | 1.0 | 1.0 | 1.8 | 1.0 | 1.5 |
| A94-672031 | 1.5 | 2.0 | 1.0 | 2.0 | 1.0 | 1.5 |
| A94-672034 | 2.1 | 2.0 | 2.0 | 2.5 | 2.0 | 2.5 |
| A94-674015 | 1.6 | 1.0 | 1.0 | 1.5 | 2.0 | 1.5 |
| A94-674017 | 1.5 | 1.0 | 1.0 | 2.3 | 2.0 | 1.0 |
| A94-674028 | 1.6 | 1.0 | 1.0 | 2.3 | 2.0 | 1.0 |
| A94-674046 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 1.5 |
| A94-674048 | 1.5 | 1.0 | 1.0 | 2.5 | 1.0 | 1.5 |
| HC91-3856 | 1.7 | 2.0 | 2.0 | 1.5 | 2.0 | 1.5 |
| LN92-6319 | 1.4 | 1.0 | 1.0 | 1.5 | 2.0 | 1.5 |
| LN92-7369 | 1.4 | 2.0 | 1.0 | 1.8 | 1.0 | 2.0 |
| LN92-7453 | 1.2 | 1.0 | 1.0 | 1.8 | 1.0 | 1.5 |
| LN92-12557 | 1.3 | 1.0 | 1.0 | 1.5 | 1.0 | 1.0 |
| LN92-12562 | 1.8 | 2.0 | 1.0 | 2.0 | 2.0 | 1.5 |
| LN92-12575 | 1.6 | 1.0 | 1.0 | 1.8 | 2.0 | 1.5 |
| U94-2132 | 1.5 | 2.0 | 2.0 | 1.5 | 1.0 | 1.5 |
| U94-2218 | 1.3 | 1.0 | 1.0 | 1.8 | 2.0 | 1.0 |
| U94-2229 | 1.5 | 1.0 | 1.0 | 1.5 | 2.0 | 1.0 |
| U94-2234 | 1.4 | 1.0 | 1.0 | 2.5 | 1.0 | 1.5 |
| U94-2236 | 1.2 | 1.0 | 1.0 | 1.5 | 1.0 | 1.0 |
| U94-2306 | 1.4 | 1.0 | 3.0 | 1.8 | 1.0 | 1.0 |
| U94-2316 | 1.4 | 1.0 | 2.0 | 1.8 | 1.0 | 1.0 |
| U94-2329 | 1.9 | 1.0 | 2.0 | 2.3 | 2.0 | 1.5 |
| U94-2407 | 1.4 | 1.0 | 1.0 | 1.5 | 2.0 | 1.5 |
| U94-2429 | 1.3 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 |
| U94-2529 | 1.2 | 1.0 | 1.0 | 1.5 | 1.0 | 1.0 |
| U94-2612 | 1.4 | 1.0 | 1.0 | 1.5 | 1.0 | 1.5 |
| U94-2614 | 1.3 | 1.0 | 1.0 | 1.5 | 1.0 | 1.5 |
| U94-2623 | 1.5 | 1.0 | 2.0 | 1.5 | 1.0 | 1.5 |
| U94-2629 | 1.6 | 1.0 | 1.0 | 2.0 | 2.0 | 1.5 |

PRELIMINARY TEST IIA, 1995

SEED QUALITY (score)

| Strain | David City NE | Hartington NE | Adelphia NJ | Hoytville OH | Ridgtown Ont. |
|-----------------|---------------------|------------------|----------------|-----------------|------------------|
| Marcus BC (I) | 1.5 | 2.5 | 2.0 | 2.5 | 1.5 |
| IA2007 BC (L) | 1.5 | 2.0 | 2.5 | 2.0 | 1.5 |
| IA2008 BC (BSR) | 2.0 | 2.0 | 2.0 | 2.0 | 1.5 |
| A91-607052 (II) | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 |
| A94-572007 | 1.5 | 2.0 | 2.0 | 2.0 | 1.0 |
| A94-572054 | 1.0 | 2.0 | 1.5 | 2.0 | 1.5 |
| A94-672021 | 2.0 | 2.5 | 1.0 | 2.0 | 1.5 |
| A94-672022 | 1.5 | 2.0 | 1.0 | 2.0 | 1.0 |
| A94-672031 | 1.5 | 1.5 | 1.5 | 2.0 | 1.0 |
| A94-672034 | 1.5 | 2.0 | 2.0 | 3.0 | 1.0 |
| A94-674015 | 2.0 | 1.5 | 2.0 | 2.0 | 1.0 |
| A94-674017 | 1.5 | 2.0 | 1.0 | 2.0 | 1.0 |
| A94-674028 | 1.5 | 1.5 | 2.0 | 2.0 | 1.5 |
| A94-674046 | 2.0 | 2.0 | 1.5 | 2.0 | 1.5 |
| A94-674048 | 2.0 | 2.0 | 1.5 | 1.0 | 1.0 |
| HC91-3856 | 3.0 | 1.5 | 1.0 | 1.0 | 1.0 |
| LN92-6319 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| LN92-7369 | 1.5 | 1.0 | 1.5 | 1.0 | 1.0 |
| LN92-7453 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| LN92-12557 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| LN92-12562 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 |
| LN92-12575 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 |
| U94-2132 | 2.0 | 1.5 | 1.0 | 1.0 | 1.5 |
| U94-2218 | 2.0 | 1.5 | 1.0 | 1.0 | 1.0 |
| U94-2229 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 |
| U94-2234 | 1.5 | 2.0 | 1.0 | 1.0 | 1.0 |
| U94-2236 | 1.0 | 1.5 | 1.0 | 1.0 | 1.5 |
| U94-2306 | 1.5 | 2.0 | 1.0 | 1.0 | 1.0 |
| U94-2316 | 1.5 | 2.0 | 1.0 | 1.0 | 1.5 |
| U94-2329 | 2.0 | 2.0 | 2.0 | 2.0 | 2.5 |
| U94-2407 | 1.5 | 2.0 | 1.0 | 1.0 | 1.0 |
| U94-2429 | 2.0 | 1.5 | 1.0 | 1.0 | 1.5 |
| U94-2529 | 1.5 | 2.0 | 1.0 | 1.0 | 1.0 |
| U94-2612 | 1.5 | 2.0 | 1.0 | 2.0 | 1.0 |
| U94-2614 | 1.5 | 2.0 | 1.0 | 1.0 | 1.0 |
| U94-2623 | 2.0 | 2.0 | 1.0 | 1.0 | 1.5 |
| U94-2629 | 2.0 | 2.0 | 1.5 | 2.0 | 1.0 |

PRELIMINARY TEST IIA, 1995

SEED SIZE (g/100)

| Strain | Mean 10 Tests | Ames IA | Keystone IA | Urbana IL | Lafay- ette IN | Ingham County MI |
|-----------------|---------------------|------------|----------------|--------------|----------------------|------------------------|
| Marcus BC (I) | 16.7 | 16.9 | 15.8 | 16.9 | 12.0 | 17.8 |
| IA2007 BC (L) | 16.4 | 17.0 | 16.0 | 18.1 | 12.3 | 17.2 |
| IA2008 BC (BSR) | 15.0 | 15.2 | 13.8 | 16.2 | 10.0 | 16.3 |
| A91-607052 (II) | 16.7 | 16.7 | 16.1 | 18.3 | 11.6 | 18.4 |
| A94-572007 | 18.7 | 20.3 | 18.8 | 20.6 | 14.1 | 20.5 |
| A94-572054 | 15.4 | 16.3 | 15.8 | 16.8 | 11.8 | 17.2 |
| A94-672021 | 18.9 | 19.7 | 19.2 | 19.6 | 14.8 | 21.7 |
| A94-672022 | 13.3 | 12.8 | 13.2 | 13.4 | 10.6 | 14.2 |
| A94-672031 | 16.9 | 17.2 | 17.3 | 17.7 | 12.9 | 18.9 |
| A94-672034 | 15.7 | 15.2 | 15.4 | 17.3 | 10.7 | 16.6 |
| A94-674015 | 15.0 | 14.8 | 14.6 | 16.9 | 11.3 | 16.3 |
| A94-674017 | 18.3 | 17.8 | 18.4 | 20.9 | 14.2 | 20.3 |
| A94-674028 | 14.6 | 14.4 | 14.7 | 15.9 | 10.2 | 15.5 |
| A94-674046 | 16.1 | 15.9 | 16.1 | 16.8 | 13.4 | 18.2 |
| A94-674048 | 14.2 | 14.7 | 13.8 | 14.9 | 9.8 | 14.4 |
| HC91-3856 | 15.4 | 18.0 | 15.8 | 15.2 | 11.1 | 16.3 |
| LN92-6319 | 14.7 | 15.0 | 14.2 | 15.0 | 11.1 | 16.4 |
| LN92-7369 | 18.3 | 20.0 | 17.8 | 19.3 | 15.0 | 19.0 |
| LN92-7453 | 15.8 | 16.6 | 15.2 | 16.7 | 13.0 | 16.7 |
| LN92-12557 | 19.3 | 20.6 | 19.0 | 19.6 | 16.2 | 22.0 |
| LN92-12562 | 17.5 | 18.3 | 16.9 | 19.7 | 13.9 | 19.3 |
| LN92-12575 | 19.8 | 20.3 | 19.2 | 20.2 | 15.4 | 20.8 |
| U94-2132 | 14.4 | 14.7 | 14.9 | 16.3 | 11.7 | 14.9 |
| U94-2218 | 15.4 | 15.6 | 15.3 | 16.4 | 13.1 | 16.5 |
| U94-2229 | 14.1 | 14.8 | 14.5 | 15.5 | 10.7 | 14.4 |
| U94-2234 | 15.7 | 16.8 | 16.0 | 18.1 | 11.8 | 16.6 |
| U94-2236 | 15.1 | 14.6 | 13.7 | 16.7 | 12.6 | 16.2 |
| U94-2306 | 14.5 | 15.2 | 14.4 | 15.9 | 13.1 | 15.2 |
| U94-2316 | 14.0 | 15.0 | 13.8 | 14.9 | 10.7 | 14.8 |
| U94-2329 | 15.2 | 15.2 | 15.6 | 17.6 | 11.2 | 16.9 |
| U94-2407 | 13.2 | 13.8 | 12.2 | 15.0 | 9.2 | 14.0 |
| U94-2429 | 13.4 | 14.1 | 12.9 | 15.1 | 10.7 | 13.3 |
| U94-2529 | 13.7 | 14.5 | 13.0 | 15.4 | 10.2 | 14.9 |
| U94-2612 | 15.5 | 16.3 | 15.0 | 17.0 | 12.9 | 15.9 |
| U94-2614 | 16.2 | 15.8 | 15.9 | 17.0 | 13.9 | 17.6 |
| U94-2623 | 14.1 | 14.7 | 13.4 | 15.8 | 11.3 | 14.9 |
| U94-2629 | 15.5 | 15.2 | 14.3 | 17.1 | 12.7 | 16.2 |

PRELIMINARY TEST IIA, 1995

SEED SIZE (g/100)

| Strain | David City NE | Hartington NE | Adelphia NJ | Hoytville OH | Ridgtown Ont. |
|-----------------|---------------------|------------------|----------------|-----------------|------------------|
| Marcus BC (I) | 20.2 | 18.4 | 14.5 | 16.5 | 18.3 |
| IA2007 BC (L) | 17.2 | 18.2 | 14.5 | 14.1 | 19.1 |
| IA2008 BC (BSR) | 16.1 | 17.9 | 13.5 | 14.0 | 17.2 |
| A91-607052 (II) | 18.9 | 17.0 | 14.5 | 16.7 | 19.2 |
| A94-572007 | 19.0 | 19.9 | 17.0 | 16.5 | 20.1 |
| A94-572054 | 16.1 | 14.1 | 14.0 | 12.9 | 19.1 |
| A94-672021 | 18.3 | 18.3 | 18.5 | 17.7 | 21.5 |
| A94-672022 | 14.1 | 14.0 | 14.0 | 11.9 | 15.0 |
| A94-672031 | 18.3 | 16.2 | 14.0 | 15.9 | 20.2 |
| A94-672034 | 18.0 | 16.6 | 13.5 | 14.9 | 18.6 |
| A94-674015 | 16.2 | 16.1 | 13.5 | 14.0 | 16.5 |
| A94-674017 | 19.9 | 18.5 | 15.5 | 17.5 | 19.8 |
| A94-674028 | 14.9 | 16.2 | 13.5 | 13.0 | 17.9 |
| A94-674046 | 17.0 | 15.6 | 14.0 | 14.9 | 19.0 |
| A94-674048 | 15.4 | 15.1 | 13.5 | 13.1 | 17.1 |
| HC91-3856 | 15.9 | 15.3 | 14.0 | 13.3 | 19.2 |
| LN92-6319 | 15.4 | 15.1 | 13.5 | 14.3 | 16.8 |
| LN92-7369 | 19.1 | 18.9 | 16.0 | 17.0 | 21.2 |
| LN92-7453 | 16.2 | 16.5 | 15.0 | 14.1 | 17.8 |
| LN92-12557 | 18.0 | 18.2 | 18.5 | 16.8 | 24.3 |
| LN92-12562 | 18.1 | 17.4 | 17.0 | 14.7 | 19.6 |
| LN92-12575 | 20.9 | 20.4 | 20.0 | 18.2 | 22.4 |
| U94-2132 | 14.6 | 14.1 | 13.5 | 13.1 | 16.6 |
| U94-2218 | 15.5 | 15.1 | 14.0 | 14.4 | 17.8 |
| U94-2229 | 14.7 | 14.9 | 13.5 | 12.7 | 15.2 |
| U94-2234 | 16.6 | 14.8 | 14.0 | 13.7 | 18.5 |
| U94-2236 | 16.2 | 15.6 | 13.5 | 13.6 | 18.3 |
| U94-2306 | 15.1 | 13.8 | 13.5 | 12.1 | 16.5 |
| U94-2316 | 14.8 | 13.9 | 13.0 | 12.3 | 16.5 |
| U94-2329 | 15.6 | 15.9 | 14.5 | 12.8 | 17.0 |
| U94-2407 | 15.1 | 13.8 | 12.0 | 11.6 | 15.5 |
| U94-2429 | 15.1 | 14.5 | 12.5 | 11.2 | 15.0 |
| U94-2529 | 14.5 | 15.0 | 13.0 | 11.8 | 14.9 |
| U94-2612 | 17.1 | 15.7 | 13.0 | 13.0 | 19.0 |
| U94-2614 | 17.5 | 17.0 | 14.0 | 14.7 | 19.0 |
| U94-2623 | 14.9 | 12.8 | 13.5 | 12.5 | 17.4 |
| U94-2629 | 17.4 | 16.8 | 14.0 | 14.5 | 17.1 |

PRELIMINARY TEST IIA, 1995

PROTEIN (%)

| Strain | Mean 5 Tests | Ames IA | Urbana IL | Lafayette IN | David City NE | Hoytville OH |
|-----------------|--------------------|------------|--------------|-----------------|---------------------|-----------------|
| Marcus BC (I) | 42.4 | 42.4 | 43.8 | 43.5 | 40.7 | 41.5 |
| IA2007 BC (L) | 41.8 | 40.2 | 43.8 | 44.8 | 39.8 | 40.4 |
| IA2008 BC (BSR) | 42.1 | 42.6 | 45.0 | 43.3 | 38.9 | 40.6 |
| A91-607052 (II) | 40.9 | 41.4 | 43.5 | 40.2 | 39.3 | 40.3 |
| A94-572007 | 44.2 | 43.7 | 45.9 | 44.5 | 43.1 | 43.9 |
| A94-572054 | 40.9 | 40.9 | 41.7 | 42.7 | 40.2 | 38.9 |
| A94-672021 | 45.1 | 44.8 | 46.0 | 46.0 | 44.3 | 44.2 |
| A94-672022 | 42.3 | 42.3 | 43.6 | 44.0 | 40.9 | 40.8 |
| A94-672031 | 40.9 | 40.8 | 41.9 | 42.6 | 39.3 | 40.1 |
| A94-672034 | 41.5 | 42.0 | 42.1 | 43.1 | 39.9 | 40.3 |
| A94-674015 | 41.5 | 41.3 | 42.4 | 42.6 | 40.2 | 40.9 |
| A94-674017 | 41.4 | 41.4 | 41.1 | 43.7 | 40.3 | 40.3 |
| A94-674028 | 43.1 | 43.1 | 44.2 | 45.1 | 41.2 | 42.1 |
| A94-674046 | 41.7 | 41.5 | 42.2 | 42.3 | 40.9 | 41.4 |
| A94-674048 | 42.3 | 43.0 | 42.3 | 45.0 | 40.4 | 40.9 |
| HC91-3856 | 42.2 | 43.2 | 42.9 | 44.0 | 40.0 | 41.0 |
| LN92-6319 | 43.0 | 42.6 | 42.6 | 45.6 | 41.0 | 43.0 |
| LN92-7369 | 45.6 | 45.8 | 47.9 | 45.4 | 44.5 | 44.3 |
| LN92-7453 | 43.7 | 44.6 | 45.6 | 45.0 | 41.2 | 42.3 |
| LN92-12557 | 42.1 | 41.8 | 44.3 | 43.5 | 39.8 | 41.2 |
| LN92-12562 | 42.6 | 42.6 | 44.4 | 44.2 | 40.5 | 41.3 |
| LN92-12575 | 43.6 | 43.9 | 44.5 | 44.4 | 42.3 | 42.9 |
| U94-2132 | 42.4 | 42.4 | 43.0 | 44.3 | 40.8 | 41.6 |
| U94-2218 | 43.1 | 43.5 | 44.2 | 43.6 | 41.5 | 42.8 |
| U94-2229 | 42.3 | 41.6 | 43.9 | 44.0 | 40.5 | 41.3 |
| U94-2234 | 43.9 | 44.3 | 45.6 | 45.7 | 41.4 | 42.7 |
| U94-2236 | 42.0 | 42.5 | 42.3 | 43.4 | 40.4 | 41.4 |
| U94-2306 | 42.0 | 42.7 | 43.9 | 42.6 | 40.9 | 40.1 |
| U94-2316 | 42.6 | 42.4 | 42.2 | 45.5 | 41.4 | 41.5 |
| U94-2329 | 41.9 | 41.6 | 43.6 | 43.5 | 40.6 | 40.4 |
| U94-2407 | 42.8 | 42.7 | 43.8 | 44.9 | 40.4 | 42.4 |
| U94-2429 | 43.5 | 43.4 | 45.8 | 44.6 | 41.2 | 42.6 |
| U94-2529 | 42.0 | 41.6 | 43.2 | 43.7 | 39.8 | 41.8 |
| U94-2612 | 41.6 | 41.8 | 42.3 | 43.2 | 40.2 | 40.6 |
| U94-2614 | 42.9 | 44.0 | 43.8 | 43.6 | 41.2 | 42.0 |
| U94-2623 | 42.7 | 42.3 | 44.7 | 44.2 | 41.4 | 41.0 |
| U94-2629 | 42.9 | 43.5 | 43.2 | 44.9 | 41.2 | 41.5 |

PRELIMINARY TEST IIA, 1995

OIL (%)

| Strain | Mean 5 Tests | Ames IA | Urbana IL | Lafayette IN | David City NE | Hoytville OH |
|-----------------|--------------------|------------|--------------|-----------------|---------------------|-----------------|
| Marcus BC (I) | 21.0 | 20.6 | 22.1 | 20.9 | 20.3 | 21.2 |
| IA2007 BC (L) | 21.1 | 20.9 | 21.8 | 21.2 | 20.6 | 20.8 |
| IA2008 BC (BSR) | 20.5 | 20.4 | 21.0 | 20.5 | 20.4 | 20.4 |
| A91-607052 (II) | 21.2 | 20.7 | 22.0 | 21.9 | 20.3 | 21.3 |
| A94-572007 | 20.7 | 20.3 | 21.5 | 20.7 | 19.9 | 21.1 |
| A94-572054 | 21.2 | 20.7 | 22.0 | 21.2 | 20.4 | 21.5 |
| A94-672021 | 20.3 | 19.8 | 21.1 | 20.3 | 19.6 | 20.5 |
| A94-672022 | 20.2 | 19.9 | 21.0 | 20.3 | 19.3 | 20.6 |
| A94-672031 | 20.9 | 20.4 | 21.7 | 21.1 | 20.3 | 21.0 |
| A94-672034 | 20.7 | 20.2 | 21.5 | 20.5 | 20.2 | 21.0 |
| A94-674015 | 21.4 | 21.1 | 22.3 | 21.7 | 20.7 | 21.4 |
| A94-674017 | 21.4 | 21.0 | 22.7 | 21.4 | 20.4 | 21.3 |
| A94-674028 | 20.2 | 19.8 | 21.2 | 19.9 | 19.9 | 20.2 |
| A94-674046 | 20.9 | 20.0 | 22.1 | 21.3 | 20.2 | 20.8 |
| A94-674048 | 20.6 | 20.6 | 21.3 | 20.0 | 20.3 | 20.9 |
| HC91-3856 | 20.6 | 20.2 | 21.7 | 20.2 | 20.6 | 20.2 |
| LN92-6319 | 20.4 | 20.2 | 21.9 | 19.5 | 20.3 | 20.1 |
| LN92-7369 | 19.9 | 19.1 | 20.6 | 20.4 | 19.3 | 19.9 |
| LN92-7453 | 20.6 | 19.5 | 21.3 | 20.6 | 20.5 | 20.9 |
| LN92-12557 | 20.8 | 20.2 | 21.6 | 21.1 | 20.6 | 20.6 |
| LN92-12562 | 20.9 | 20.2 | 21.8 | 20.9 | 20.4 | 21.2 |
| LN92-12575 | 20.7 | 20.3 | 21.3 | 21.0 | 20.0 | 20.9 |
| U94-2132 | 20.5 | 20.0 | 21.6 | 20.5 | 20.2 | 20.2 |
| U94-2218 | 20.6 | 20.0 | 21.2 | 20.7 | 20.4 | 20.5 |
| U94-2229 | 20.7 | 19.8 | 21.5 | 20.5 | 20.5 | 21.2 |
| U94-2234 | 20.3 | 20.2 | 20.7 | 20.1 | 20.1 | 20.2 |
| U94-2236 | 20.9 | 20.4 | 21.4 | 21.4 | 20.4 | 20.7 |
| U94-2306 | 20.8 | 20.3 | 21.4 | 21.0 | 20.4 | 20.9 |
| U94-2316 | 20.5 | 20.4 | 20.9 | 20.3 | 20.5 | 20.2 |
| U94-2329 | 20.3 | 19.9 | 20.8 | 20.3 | 20.2 | 20.4 |
| U94-2407 | 20.4 | 20.1 | 21.0 | 20.3 | 20.4 | 20.1 |
| U94-2429 | 20.4 | 19.9 | 21.1 | 20.5 | 20.2 | 20.1 |
| U94-2529 | 20.2 | 20.3 | 21.4 | 19.9 | 19.6 | 19.7 |
| U94-2612 | 20.2 | 20.2 | 21.0 | 20.3 | 19.4 | 20.3 |
| U94-2614 | 20.9 | 20.1 | 21.7 | 21.1 | 20.8 | 20.8 |
| U94-2623 | 20.3 | 20.0 | 20.7 | 20.5 | 20.1 | 20.1 |
| U94-2629 | 20.2 | 19.5 | 21.1 | 20.2 | 20.1 | 20.3 |

PRELIMINARY TEST IIB, 1995

| Strain | Parentage | Generation Unique Composited Traits |
|-----------------|---|--|
| Marcus BC (I) | [Marcus(5) x Elgin 87] x [Marcus(5) x Preston BC-11-8] | BC4 F2 Rps1-k, Rps6 |
| IA2007 BC (L) | IA2007 x Archer | BC3 F2 Rps1-k |
| A91-607052 (II) | Elgin 87 x Marcus | F5 |
| C1907 | A87-296011 x CX1039-99 | F5 |
| C1910 | A87-296011 x CX1039-99 | F5 |
| C1912 | C1742 x C1763 | F6 |
| C1914 | C1756 x CX1039-99 | F6 |
| C1915 | A87-296011 x C1756 | F6 |
| C1916 | A87-296011 x C1756 | F6 |
| C1917 | A87-296011 x C1756 | F6 |
| C1920 | C1763 x HC84-1060 | F6 |
| C1923 | Hamilton x CX1099-11 | F5 |
| C1925 | Archer x Edison | F5 |
| C1926 | ORC8805 x Archer | F5 |
| E93396 | BSR 101 x Asgrow A2943 | F5 |
| E93424 | Asgrow A2943 x Northrup King S23-12 | F5 |
| E93433 | Asgrow A2943 x Northrup King S23-12 | F5 |
| E93464 | Hack x Pioneer P9272 | F5 |
| HF93-032 | HM8632 x A86-204022 | F5 |
| HF93-035 | HM8632 x A86-204022 | F5 |
| HF93-036 | HM8632 x A86-204022 | F5 |
| HF93-038 | HM8632 x A86-204022 | F5 |
| HF93-082 | Haroson x Chapman | F5 |
| HF93-083 | HS84-6224 x Chapman | F5 |
| HF93-155 | A86-203004 x Chapman | F5 |
| HF93-194 | HM8734 x Chapman | F5 |
| HS93-135 | HS88-6786 x HS88-4988 | F5 Rps from PI 360.844 + Rps3 |
| HS93-138 | HS88-6786 x HS88-4988 | F5 Rps from 360.44 |
| M91-1434 | M83-830 x Sturdy | F5 Rps1 |
| M91-1440 | M83-830 x Sturdy | F5 Rps1 |
| SD93-522 | Glenwood x Jack | F5 |
| SD(M)93-246 | Kato x A17 | F5 |
| SD(M)93-894 | Kasota x Leslie | F5 |
| SD(M)93-912 | Kasota x Bert | F5 |
| SD(M)93-921 | Kasota x Bert | F5 |
| SD(M)93-974 | Sturdy x Maple Ridge | F5 |
| SD(M)93-990 | Sturdy x Maple Ridge | F5 |

PRELIMINARY TEST IIB, 1995

DESCRIPTIVE AND DISEASE DATA

| Strain | Descriptive Code | <u>Chlorosis</u> | <u>Shattering</u> | <u>BSR - Ames</u> | |
|-----------------|------------------|------------------|-------------------|-------------------|----------|
| | | Score Ames | Score Manhattan | Plant n % | Stem n % |
| Marcus BC (I) | WTTDYBFI | 4.5 | 1 | 90 | 41 |
| IA2007 BC (L) | PTTDYBfI | 3.0 | 1 | 90 | 39 |
| A91-607052 (II) | WTBShYBlI | 3.5 | 2 | 85 | 31 |
| C1907 | PTBShYBrI | 3.6 | 1 | 85 | 17 |
| C1910 | WTBShYBlI | 3.1 | 1 | 100 | 39 |
| C1912 | WTBShYBlI | 2.1 | 1 | 75 | 21 |
| C1914 | PTBShYBlI | 2.6 | 1 | 95 | 22 |
| C1915 | PTBDYBrI | 2.8 | 1 | 80 | 16 |
| C1916 | PTBDYBrI | 4.1 | 1 | 75 | 15 |
| C1917 | PTBDYBrI | 3.1 | 1 | 50 | 18 |
| C1920 | PTBDYBrI | 2.8 | 3 | 90 | 35 |
| C1923 | P+WTTShYBrD | 3.0 | 1 | 90 | 49 |
| C1925 | PTTIYBlI | 3.3 | 1 | 85 | 24 |
| C1926 | PGTDYBFI | 2.8 | 1 | 55 | 16 |
| E93396 | PGBShYHI | 3.1 | 4 | 65 | 16 |
| E93424 | PGTDYGrI | 3.8 | 1 | 55 | 17 |
| E93433 | PGB+TDYGrI | 3.5 | 3 | 90 | 26 |
| E93464 | PGTShYIbI | 3.3 | 1 | 75 | 22 |
| HF93-032 | PGBShYGrI | 3.1 | 2 | 95 | 25 |
| HF93-035 | PGBShYGrI | 4.0 | 1 | 95 | 37 |
| HF93-036 | PGBShYGrI | 3.5 | 2 | 100 | 36 |
| HF93-038 | PGBShYIbI | 3.3 | 1 | 95 | 38 |
| HF93-082 | PGBDYIbI | 2.5 | 2 | 95 | 30 |
| HF93-083 | PGBShYIbI | 4.1 | 1 | 90 | 24 |
| HF93-155 | PGBIYIbI | 2.7 | 1 | 100 | 28 |
| HF93-194 | PGBIYGrI | 3.0 | 1 | 100 | 42 |
| HS93-135 | PTTShYBrI | 3.0 | 2 | 100 | 43 |
| HS93-138 | PTTIYBrI | 3.3 | 1 | 100 | 39 |
| M91-1434 | WGBShYBfI | 2.6 | 4 | 100 | 24 |
| M91-1440 | WGBShYIbI | 2.0 | 2 | 100 | 42 |
| SD93-522 | WGBDYBfI | 2.6 | 2 | 100 | 45 |
| SD(M)93-246 | PTBShYBlI | 2.3 | 3 | 100 | 41 |
| SD(M)93-894 | PGBShYBfI | 3.0 | 2 | 60 | 15 |
| SD(M)93-912 | WGBShYBfI | 3.0 | 4 | 95 | 30 |
| SD(M)93-921 | PGBIYBfI | 2.5 | 3 | 95 | 27 |
| SD(M)93-974 | PG+TBSHYHI | 2.1 | 2 | 70 | 19 |
| SD(M)93-990 | PTBShYBlI | 3.3 | 2 | 90 | 26 |

PRELIMINARY TEST IIB, 1995

DISEASE DATA

| Strain | BTS | PR | | | PS | PSB | Hd Seed |
|-----------------|--------------------|-------------------------------|-------------------|------------------------|--------|---------------------|---------|
| | Ames a Score | Custar Root Rot Race 25 | Ames Race 4 | Lafayette Race 7 | a % | Lafayette n % | % |
| Marcus BC (I) | 91 | 3.9 | R | R | 26 | 0 | 24 |
| IA2007 BC (L) | 98 | 4.9 | R | R | 24 | 2 | 14 |
| A91-607052 (II) | 93 | 4.5 | R | R | 10 | 0 | 54 |
| C1907 | 112 | 3.6 | S | S | 48 | 0 | 0 |
| C1910 | 105 | 4.3 | S | S | 6 | 0 | 14 |
| C1912 | 101 | 4.0 | H | S | 18 | 0 | 26 |
| C1914 | 130 | 4.0 | S | S | 62 | 0 | 6 |
| C1915 | 98 | 3.9 | S | S | 20 | 2 | 16 |
| C1916 | 104 | 3.6 | S | S | 24 | 0 | 0 |
| C1917 | 104 | 3.4 | S | S | 14 | 2 | 16 |
| C1920 | 107 | 4.1 | S | S | 12 | 2 | 24 |
| C1923 | 79 | 4.1 | R | S | 2 | 0 | 16 |
| C1925 | 109 | 4.2 | R | R | 26 | 2 | 22 |
| C1926 | 105 | 4.1 | R | R | 36 | 2 | 40 |
| E93396 | 97 | 4.0 | S | R | 6 | 0 | 38 |
| E93424 | 94 | 4.5 | S | H | 16 | 2 | 22 |
| E93433 | 89 | 4.8 | S | S | 2 | 0 | 40 |
| E93464 | 92 | 5.0 | S | R | 18 | 0 | 54 |
| HF93-032 | 108 | 3.3 | R | R | 24 | 2 | 20 |
| HF93-035 | 106 | 3.7 | H | S | 28 | 4 | 0 |
| HF93-036 | 107 | 3.5 | R | R | 22 | 2 | 0 |
| HF93-038 | 107 | 3.4 | R | R | 42 | 2 | 10 |
| HF93-082 | 105 | 3.4 | H | R | 30 | 10 | 0 |
| HF93-083 | 120 | 3.1 | R | R | 38 | 0 | 10 |
| HF93-155 | 101 | 3.7 | R | S | 24 | 2 | 0 |
| HF93-194 | 103 | 3.3 | R | R | 4 | 0 | 24 |
| HS93-135 | 98 | 4.0 | R | R | 16 | 0 | 0 |
| HS93-138 | 98 | 4.0 | S | R | 26 | 0 | 0 |
| M91-1434 | 96 | 5.9 | S | S | 38 | 0 | 32 |
| M91-1440 | 91 | 6.2 | S | S | 16 | 0 | 18 |
| SD93-522 | 97 | 4.2 | S | R | 40 | 2 | 26 |
| SD(M)93-246 | 97 | 4.9 | S | R | 10 | 2 | 30 |
| SD(M)93-894 | 95 | 5.1 | S | R | 4 | 0 | 0 |
| SD(M)93-912 | 100 | 4.7 | S | R | 6 | 0 | 0 |
| SD(M)93-921 | 115 | 4.5 | S | S | 38 | 0 | 0 |
| SD(M)93-974 | 99 | 7.2 | S | S | 16 | 0 | 26 |
| SD(M)93-990 | 94 | 5.5 | S | S | 36 | 0 | 12 |

PRELIMINARY TEST IIB, 1995

REGIONAL SUMMARY

| No. of Tests Strain | Yield 9 bu/a | Rank 9 No. | Maturity 8 Date | Lodging 10 Score | Plant Height 10 In. | Seed Quality 10 Score | Seed Size 10 g/100 | Composition | |
|------------------------|--------------------|------------------|-----------------------|------------------------|------------------------------|--------------------------------|-----------------------------|-------------------|---------------|
| | | | | | | | | Protein 5 % | Oil 5 % |
| Marcus BC (I) | 49.4 | 20 | -0.8 | 1.3 | 32 | 2.1 | 16.9 | 42.5 | 21.3 |
| IA2007 BC (L) | 50.2 | 14 | 4.0 | 1.3 | 36 | 1.6 | 16.2 | 41.2 | 21.1 |
| A91-607052 (II) | 49.6 | 18 | 09/16* | 1.4 | 32 | 2.1 | 16.5 | 41.0 | 21.1 |
| C1907 | 43.9 | 34 | 4.6 | 2.0 | 42 | 1.7 | 16.9 | 47.5 | 19.1 |
| C1910 | 45.0 | 31 | 4.6 | 2.3 | 40 | 1.5 | 13.7 | 46.9 | 19.4 |
| C1912 | 51.2 | 9 | 2.3 | 1.4 | 37 | 1.6 | 14.8 | 41.4 | 20.2 |
| C1914 | 43.7 | 35 | 5.5 | 2.2 | 45 | 1.7 | 14.4 | 47.8 | 19.0 |
| C1915 | 50.0 | 16 | 7.3 | 1.6 | 34 | 1.5 | 19.0 | 42.8 | 20.9 |
| C1916 | 50.8 | 12 | 4.4 | 1.7 | 39 | 2.0 | 17.7 | 42.1 | 21.2 |
| C1917 | 51.8 | 7 | 3.6 | 1.6 | 38 | 1.7 | 16.6 | 41.6 | 21.0 |
| C1920 | 44.4 | 33 | 3.8 | 1.7 | 39 | 1.7 | 16.5 | 43.6 | 19.9 |
| C1923 | 43.3 | 37 | 4.1 | 1.8 | 30 | 1.5 | 16.1 | 41.7 | 21.4 |
| C1925 | 52.1 | 4 | 2.0 | 1.6 | 38 | 1.5 | 15.4 | 41.1 | 20.6 |
| C1926 | 52.8 | 1 | 1.5 | 1.5 | 37 | 1.4 | 15.2 | 41.1 | 21.4 |
| E93396 | 50.1 | 15 | 0.3 | 1.2 | 34 | 1.6 | 15.3 | 40.6 | 20.6 |
| E93424 | 51.0 | 11 | -2.5 | 1.5 | 34 | 1.8 | 17.5 | 42.2 | 20.9 |
| E93433 | 52.1 | 4 | 0.6 | 1.0 | 30 | 1.8 | 19.2 | 42.7 | 20.8 |
| E93464 | 44.5 | 32 | -0.8 | 1.4 | 32 | 1.7 | 16.4 | 41.6 | 21.7 |
| HF93-032 | 51.4 | 8 | 9.8 | 2.3 | 42 | 1.9 | 17.4 | 42.0 | 20.5 |
| HF93-035 | 52.1 | 4 | 5.6 | 2.0 | 38 | 1.8 | 19.3 | 42.3 | 21.0 |
| HF93-036 | 51.1 | 10 | 4.5 | 2.1 | 38 | 1.6 | 18.0 | 42.0 | 20.8 |
| HF93-038 | 52.7 | 2 | 7.4 | 2.2 | 40 | 2.0 | 18.0 | 41.3 | 21.1 |
| HF93-082 | 49.7 | 17 | 3.8 | 2.2 | 38 | 1.7 | 16.1 | 42.0 | 20.8 |
| HF93-083 | 48.7 | 23 | 5.9 | 2.4 | 44 | 1.5 | 16.7 | 42.1 | 20.3 |
| HF93-155 | 52.5 | 3 | 6.9 | 1.7 | 38 | 2.1 | 16.6 | 41.1 | 21.0 |
| HF93-194 | 49.6 | 18 | 9.3 | 2.2 | 37 | 2.1 | 16.1 | 43.4 | 19.8 |
| HS93-135 | 48.5 | 24 | 0.9 | 1.5 | 35 | 1.3 | 16.0 | 42.0 | 21.1 |
| HS93-138 | 48.9 | 22 | 2.0 | 1.2 | 35 | 1.4 | 16.1 | 42.6 | 21.1 |
| M91-1434 | 49.2 | 21 | -1.3 | 1.4 | 32 | 1.8 | 16.0 | 43.0 | 20.5 |
| M91-1440 | 43.6 | 36 | -1.3 | 1.4 | 33 | 2.2 | 18.4 | 43.3 | 20.5 |
| SD93-522 | 50.4 | 13 | 2.8 | 2.1 | 37 | 1.8 | 16.2 | 42.1 | 21.4 |
| SD(M)93-246 | 46.2 | 28 | 0.9 | 1.4 | 35 | 1.9 | 19.5 | 43.8 | 20.1 |
| SD(M)93-894 | 46.4 | 27 | -4.0 | 1.4 | 34 | 2.2 | 16.7 | 41.6 | 20.9 |
| SD(M)93-912 | 47.3 | 25 | -1.1 | 1.9 | 36 | 2.1 | 18.7 | 42.4 | 20.7 |
| SD(M)93-921 | 46.8 | 26 | -0.3 | 1.6 | 40 | 2.0 | 15.1 | 41.8 | 20.5 |
| SD(M)93-974 | 46.0 | 29 | -2.4 | 1.7 | 35 | 1.7 | 19.7 | 42.8 | 20.6 |
| SD(M)93-990 | 45.8 | 30 | -2.4 | 1.5 | 34 | 2.0 | 19.6 | 43.0 | 20.2 |

* 112.8 Days After Planting

PRELIMINARY TEST IIB, 1995

YIELD (bu/a)

| Strain | Mean 9 Tests | Ames IA | Keystone IA | Urbana IL | Lafayette IN | Ingham County MI |
|-----------------|--------------------|------------|----------------|--------------|-----------------|------------------------|
| Marcus BC (I) | 49.4 | 58.7 | 50.4 | 49.2 | 39.8 | 48.0 |
| IA2007 BC (L) | 50.2 | 54.6 | 50.7 | 44.5 | 43.6 | 57.4 |
| A91-607052 (II) | 49.6 | 61.8 | 56.7 | 40.2 | 33.8 | 51.7 |
| C1907 | 43.9 | 47.6 | 44.0 | 54.4 | 33.2 | 53.7 |
| C1910 | 45.0 | 46.7 | 47.5 | 51.9 | 39.9 | 40.5 |
| C1912 | 51.2 | 57.0 | 55.8 | 53.8 | 43.5 | 58.9 |
| C1914 | 43.7 | 49.6 | 41.8 | 49.9 | 35.1 | 48.0 |
| C1915 | 50.0 | 57.6 | 51.7 | 54.8 | 37.8 | 57.4 |
| C1916 | 50.8 | 59.6 | 52.5 | 60.8 | 40.1 | 56.6 |
| C1917 | 51.8 | 56.3 | 50.9 | 58.5 | 45.9 | 57.1 |
| C1920 | 44.4 | 50.9 | 49.2 | 40.7 | 38.1 | 49.5 |
| C1923 | 43.3 | 47.8 | 46.4 | 39.8 | 40.7 | 54.7 |
| C1925 | 52.1 | 62.3 | 55.2 | 48.8 | 42.2 | 57.2 |
| C1926 | 52.8 | 64.9 | 58.4 | 49.5 | 37.7 | 61.4 |
| E93396 | 50.1 | 63.2 | 56.4 | 47.1 | 43.0 | 56.8 |
| E93424 | 51.0 | 63.2 | 52.2 | 41.5 | 43.8 | 49.1 |
| E93433 | 52.1 | 61.6 | 57.9 | 48.5 | 41.9 | 50.4 |
| E93464 | 44.5 | 61.2 | 47.3 | 34.6 | 33.5 | 45.5 |
| HF93-032 | 51.4 | 55.6 | 48.5 | 55.0 | 44.1 | 56.2 |
| HF93-035 | 52.1 | 57.8 | 49.9 | 55.9 | 42.9 | 55.6 |
| HF93-036 | 51.1 | 53.9 | 53.0 | 47.6 | 44.4 | 60.9 |
| HF93-038 | 52.7 | 59.9 | 55.3 | 56.2 | 44.9 | 57.7 |
| HF93-082 | 49.7 | 52.5 | 53.6 | 51.6 | 41.0 | 55.8 |
| HF93-083 | 48.7 | 54.6 | 47.3 | 56.0 | 37.7 | 55.1 |
| HF93-155 | 52.5 | 62.2 | 51.8 | 55.4 | 41.9 | 60.2 |
| HF93-194 | 49.6 | 58.1 | 52.2 | 53.6 | 38.3 | 55.2 |
| HS93-135 | 48.5 | 53.5 | 47.5 | 53.4 | 41.1 | 53.5 |
| HS93-138 | 48.9 | 52.1 | 49.8 | 50.5 | 38.1 | 54.9 |
| M91-1434 | 49.2 | 57.0 | 55.5 | 39.7 | 38.6 | 58.0 |
| M91-1440 | 43.6 | 58.3 | 53.7 | 29.3 | 36.6 | 42.8 |
| SD93-522 | 50.4 | 62.9 | 55.8 | 36.6 | 42.6 | 55.2 |
| SD(M)93-246 | 46.2 | 50.3 | 56.0 | 44.3 | 38.1 | 46.9 |
| SD(M)93-894 | 46.4 | 57.7 | 45.9 | 38.3 | 37.2 | 48.0 |
| SD(M)93-912 | 47.3 | 55.1 | 46.2 | 38.0 | 34.0 | 51.7 |
| SD(M)93-921 | 46.8 | 55.7 | 54.3 | 37.8 | 42.2 | 41.9 |
| SD(M)93-974 | 46.0 | 57.9 | 52.9 | 28.1 | 43.2 | 44.6 |
| SD(M)93-990 | 45.8 | 62.0 | 54.9 | 29.7 | 37.3 | 39.9 |
| C.V. (%) | | 6.6 | 6.1 | 9.1 | 9.6 | 7.5 |
| L.S.D. (5%) | | 7.5 | 6.4 | 8.8 | 7.8 | 9.2 |
| Row Sp. (In.) | | 27 | 27 | 30 | 24 | 30 |
| Rows/Plot | | 4 | 4 | 4 | 4 | 4 |
| Reps | | 2 | 2 | 2 | 2 | 2 |

PRELIMINARY TEST IIB, 1995

YIELD (bu/a)

| Strain | David City NE | Ord NE | Adelphia* NJ | Hoytville OH | Ridgtown Ont. |
|-----------------|---------------------|-----------|-----------------|-----------------|------------------|
| Marcus BC (I) | 46.1 | 48.8 | 27.9 | 44.9 | 58.6 |
| IA2007 BC (L) | 42.9 | 35.0 | 29.8 | 50.7 | 72.0 |
| A91-607052 (II) | 43.9 | 48.1 | 28.1 | 41.8 | 68.3 |
| C1907 | 43.6 | 31.2 | 22.3 | 38.9 | 48.5 |
| C1910 | 42.4 | 34.0 | 23.8 | 35.8 | 66.5 |
| C1912 | 48.1 | 33.3 | 23.5 | 47.1 | 63.2 |
| C1914 | 37.3 | 31.0 | 14.0 | 35.1 | 65.5 |
| C1915 | 42.8 | 36.9 | 24.8 | 36.8 | 74.1 |
| C1916 | 45.9 | 40.8 | 28.5 | 34.4 | 66.8 |
| C1917 | 47.7 | 38.1 | 31.2 | 42.3 | 69.7 |
| C1920 | 42.1 | 32.5 | 39.0 | 33.4 | 63.0 |
| C1923 | 42.8 | 28.5 | 26.2 | 34.0 | 54.8 |
| C1925 | 50.3 | 34.9 | 27.9 | 42.1 | 76.3 |
| C1926 | 47.5 | 37.9 | 28.2 | 44.8 | 73.1 |
| E93396 | 45.9 | 44.0 | 31.0 | 31.1 | 63.6 |
| E93424 | 49.4 | 50.6 | 38.6 | 42.1 | 67.2 |
| E93433 | 47.4 | 52.7 | 45.3 | 39.6 | 69.0 |
| E93464 | 44.7 | 38.8 | 31.5 | 34.1 | 61.0 |
| HF93-032 | 46.0 | 32.8 | 30.1 | 48.0 | 76.6 |
| HF93-035 | 47.3 | 35.7 | 26.2 | 39.2 | 84.8 |
| HF93-036 | 48.3 | 35.9 | 20.9 | 40.7 | 75.4 |
| HF93-038 | 45.9 | 31.3 | 26.1 | 44.8 | 78.0 |
| HF93-082 | 48.0 | 37.9 | 32.2 | 43.5 | 63.8 |
| HF93-083 | 47.6 | 39.7 | 19.0 | 40.2 | 60.1 |
| HF93-155 | 44.1 | 31.3 | 21.0 | 40.8 | 84.4 |
| HF93-194 | 43.2 | 28.8 | 18.5 | 46.9 | 70.3 |
| HS93-135 | 48.8 | 41.4 | 23.9 | 44.1 | 53.5 |
| HS93-138 | 49.4 | 37.5 | 37.8 | 43.3 | 64.2 |
| M91-1434 | 46.1 | 37.8 | 27.1 | 37.1 | 73.4 |
| M91-1440 | 41.9 | 39.9 | 29.8 | 27.6 | 62.0 |
| SD93-522 | 44.5 | 38.0 | 36.4 | 49.8 | 67.8 |
| SD(M)93-246 | 47.0 | 37.4 | 34.1 | 31.7 | 64.5 |
| SD(M)93-894 | 49.8 | 42.8 | 29.5 | 42.2 | 55.4 |
| SD(M)93-912 | 45.8 | 36.9 | 27.7 | 47.1 | 71.3 |
| SD(M)93-921 | 48.9 | 41.7 | 29.5 | 37.4 | 61.0 |
| SD(M)93-974 | 48.4 | 41.1 | 29.2 | 32.8 | 64.8 |
| SD(M)93-990 | 48.4 | 47.0 | 30.9 | 32.2 | 60.8 |
| C.V. (%) | 5.9 | 9.7 | 22.7 | 12.4 | 10.4 |
| L.S.D. (5%) | 7.8 | 7.5 | 12.9 | 10.1 | 10.3 |
| Row Sp. (In.) | 30 | 30 | 30 | 30 | 24 |
| Rows/Plot | 4 | 4 | 4 | 4 | 4 |
| Reps | 2 | 2 | 2 | 2 | 2 |

* Data not included in the mean.

PRELIMINARY TEST IIB, 1995

YIELD RANK

| Strain | Yield Rank | Ames IA | Keystone IA | Urbana IL | Lafayette IN | Ingham County MI |
|-----------------|------------|---------|-------------|-----------|--------------|------------------|
| Marcus BC (I) | 20 | 13 | 24 | 18 | 21 | 28 |
| IA2007 BC (L) | 14 | 26 | 23 | 23 | 6 | 7 |
| A91-607052 (II) | 18 | 8 | 3 | 27 | 35 | 23 |
| C1907 | 34 | 36 | 36 | 9 | 37 | 21 |
| C1910 | 31 | 37 | 29 | 13 | 20 | 36 |
| C1912 | 9 | 20 | 6 | 10 | 7 | 4 |
| C1914 | 35 | 34 | 37 | 16 | 33 | 28 |
| C1915 | 16 | 19 | 21 | 8 | 27 | 7 |
| C1916 | 12 | 12 | 17 | 1 | 19 | 12 |
| C1917 | 7 | 22 | 22 | 2 | 1 | 10 |
| C1920 | 33 | 32 | 27 | 26 | 24 | 26 |
| C1923 | 37 | 35 | 33 | 28 | 18 | 20 |
| C1925 | 4 | 5 | 10 | 19 | 12 | 9 |
| C1926 | 1 | 1 | 1 | 17 | 28 | 1 |
| E93396 | 15 | 2 | 4 | 22 | 9 | 11 |
| E93424 | 11 | 2 | 18 | 25 | 5 | 27 |
| E93433 | 4 | 9 | 2 | 20 | 14 | 25 |
| E93464 | 32 | 10 | 31 | 34 | 36 | 32 |
| HF93-032 | 8 | 24 | 28 | 7 | 4 | 13 |
| HF93-035 | 4 | 17 | 25 | 5 | 10 | 15 |
| HF93-036 | 10 | 28 | 15 | 21 | 3 | 2 |
| HF93-038 | 2 | 11 | 9 | 3 | 2 | 6 |
| HF93-082 | 17 | 30 | 14 | 14 | 17 | 14 |
| HF93-083 | 23 | 26 | 31 | 4 | 28 | 18 |
| HF93-155 | 3 | 6 | 20 | 6 | 14 | 3 |
| HF93-194 | 18 | 15 | 18 | 11 | 23 | 16 |
| HS93-135 | 24 | 29 | 29 | 12 | 16 | 22 |
| HS93-138 | 22 | 31 | 26 | 15 | 24 | 19 |
| M91-1434 | 21 | 20 | 8 | 29 | 22 | 5 |
| M91-1440 | 36 | 14 | 13 | 36 | 32 | 34 |
| SD93-522 | 13 | 4 | 6 | 33 | 11 | 16 |
| SD(M)93-246 | 28 | 33 | 5 | 24 | 24 | 31 |
| SD(M)93-894 | 27 | 18 | 35 | 30 | 31 | 28 |
| SD(M)93-912 | 25 | 25 | 34 | 31 | 34 | 23 |
| SD(M)93-921 | 26 | 23 | 12 | 32 | 12 | 35 |
| SD(M)93-974 | 29 | 16 | 16 | 37 | 8 | 33 |
| SD(M)93-990 | 30 | 7 | 11 | 35 | 30 | 37 |

PRELIMINARY TEST IIB, 1995

YIELD RANK

| Strain | David City NE | Ord NE | Adelphia NJ | Hoytville OH | Ridgtown Ont. |
|-----------------|---------------------|-----------|----------------|-----------------|------------------|
| Marcus BC (I) | 19 | 3 | 21 | 7 | 33 |
| IA2007 BC (L) | 31 | 26 | 13 | 1 | 10 |
| A91-607052 (II) | 28 | 4 | 20 | 17 | 15 |
| C1907 | 29 | 34 | 32 | 23 | 37 |
| C1910 | 34 | 28 | 30 | 27 | 19 |
| C1912 | 10 | 29 | 31 | 4 | 26 |
| C1914 | 37 | 35 | 37 | 28 | 20 |
| C1915 | 33 | 23 | 28 | 26 | 7 |
| C1916 | 21 | 11 | 18 | 29 | 18 |
| C1917 | 12 | 15 | 9 | 13 | 13 |
| C1920 | 35 | 31 | 2 | 32 | 27 |
| C1923 | 32 | 37 | 25 | 31 | 35 |
| C1925 | 1 | 27 | 21 | 15 | 5 |
| C1926 | 14 | 18 | 19 | 8 | 9 |
| E93396 | 23 | 6 | 10 | 26 | 25 |
| E93424 | 3 | 2 | 3 | 15 | 17 |
| E93433 | 15 | 1 | 1 | 21 | 14 |
| E93464 | 25 | 14 | 8 | 30 | 29 |
| HF93-032 | 20 | 30 | 12 | 3 | 4 |
| HF93-035 | 16 | 25 | 25 | 22 | 1 |
| HF93-036 | 9 | 24 | 34 | 19 | 6 |
| HF93-038 | 22 | 33 | 27 | 8 | 3 |
| HF93-082 | 11 | 17 | 7 | 11 | 24 |
| HF93-083 | 13 | 13 | 35 | 20 | 32 |
| HF93-155 | 27 | 32 | 33 | 18 | 2 |
| HF93-194 | 30 | 36 | 36 | 6 | 12 |
| HS93-135 | 6 | 9 | 29 | 10 | 36 |
| HS93-138 | 4 | 20 | 4 | 12 | 23 |
| M91-1434 | 18 | 19 | 24 | 25 | 8 |
| M91-1440 | 36 | 12 | 13 | 37 | 28 |
| SD93-522 | 26 | 16 | 5 | 2 | 16 |
| SD(M)93-246 | 17 | 21 | 6 | 35 | 22 |
| SD(M)93-894 | 2 | 7 | 15 | 14 | 34 |
| SD(M)93-912 | 24 | 22 | 23 | 4 | 11 |
| SD(M)93-921 | 5 | 8 | 15 | 24 | 30 |
| SD(M)93-974 | 8 | 10 | 17 | 33 | 21 |
| SD(M)93-990 | 7 | 5 | 11 | 34 | 31 |

PRELIMINARY TEST IIB, 1995

MATURITY (date)

| Strain | Mean 8 Tests | Ames IA | Keystone IA | Urbana IL | Lafayette IN | Ingham County MI |
|-----------------|--------------------|------------|----------------|--------------|-----------------|------------------------|
| Marcus BC (I) | -0.8 | 0 | | -1 | -2 | -1 |
| IA2007 BC (L) | 4.0 | 4 | | 2 | 4 | 5 |
| A91-607052 (II) | 09/16 | 09/16 | | 09/13 | 09/12 | 09/24 |
| C1907 | 4.6 | 4 | | 3 | 6 | 3 |
| C1910 | 4.6 | 2 | | 5 | 6 | 2 |
| C1912 | 2.3 | 2 | | 1 | 3 | 2 |
| C1914 | 5.5 | 2 | | 2 | 7 | 7 |
| C1915 | 7.3 | 6 | | 6 | 9 | 6 |
| C1916 | 4.4 | 1 | | 4 | 5 | 2 |
| C1917 | 3.6 | 2 | | 1 | 5 | 2 |
| C1920 | 3.8 | 2 | | 1 | 4 | 3 |
| C1923 | 4.1 | 3 | | 3 | 7 | 5 |
| C1925 | 2.0 | 2 | | 0 | 3 | 3 |
| C1926 | 1.5 | 2 | | -2 | 0 | 4 |
| E93396 | 0.3 | 0 | | -1 | 0 | 1 |
| E93424 | -2.5 | -3 | | -5 | -1 | -1 |
| E93433 | 0.6 | -1 | | 0 | 2 | -1 |
| E93464 | -0.8 | -1 | | -3 | -1 | -1 |
| HF93-032 | 9.8 | 4 | | 9 | 11 | 6 |
| HF93-035 | 5.6 | 4 | | 7 | 7 | 4 |
| HF93-036 | 4.5 | 4 | | 3 | 5 | 4 |
| HF93-038 | 7.4 | 4 | | 7 | 7 | 6 |
| HF93-082 | 3.8 | 0 | | 3 | 4 | 1 |
| HF93-083 | 5.9 | 4 | | 7 | 7 | 3 |
| HF93-155 | 6.9 | 6 | | 7 | 7 | 5 |
| HF93-194 | 9.3 | 6 | | 9 | 10 | 8 |
| HS93-135 | 0.9 | 0 | | -1 | 1 | 1 |
| HS93-138 | 2.0 | 1 | | 1 | 1 | 1 |
| M91-1434 | -1.3 | -2 | | -4 | -1 | -1 |
| M91-1440 | -1.3 | -2 | | -6 | 1 | -1 |
| SD93-522 | 2.8 | 0 | | -3 | 5 | 3 |
| SD(M)93-246 | 0.9 | 0 | | 0 | 1 | 0 |
| SD(M)93-894 | -4.0 | -6 | | -6 | -6 | -1 |
| SD(M)93-912 | -1.1 | -2 | | -6 | -2 | 0 |
| SD(M)93-921 | -0.3 | 0 | | -4 | -1 | 0 |
| SD(M)93-974 | -2.4 | -3 | | -6 | -5 | -1 |
| SD(M)93-990 | -2.4 | -3 | | -6 | -4 | -1 |
| Date Planted | 05/26 | 05/23 | | 05/08 | 06/05 | 05/23 |
| Days to Mature | 112.8 | 116 | | 128 | 99 | 124 |

PRELIMINARY TEST IIB, 1995

MATURITY (date)

| Strain | David City NE | Ord NE | Adelphia NJ | Hoytville OH | Ridgtown Ont. |
|-----------------|---------------------|-----------|----------------|-----------------|------------------|
| Marcus BC (I) | 1 | | -4 | 1 | 0 |
| IA2007 BC (L) | 3 | | 3 | 4 | 7 |
| A91-607052 (II) | 09/25 | | 09/15 | 09/11 | 09/15 |
| C1907 | 4 | | 4 | 5 | 8 |
| C1910 | 4 | | 7 | 5 | 6 |
| C1912 | 4 | | 0 | 3 | 3 |
| C1914 | 3 | | 6 | 9 | 8 |
| C1915 | 5 | | 7 | 11 | 8 |
| C1916 | 4 | | 9 | 4 | 6 |
| C1917 | 4 | | 8 | 3 | 4 |
| C1920 | 4 | | 9 | 1 | 6 |
| C1923 | 5 | | 4 | 1 | 5 |
| C1925 | 4 | | -1 | 1 | 4 |
| C1926 | 3 | | 0 | 2 | 3 |
| E93396 | 3 | | 2 | -3 | 0 |
| E93424 | -2 | | -2 | -4 | -2 |
| E93433 | 3 | | 3 | -2 | 1 |
| E93464 | 3 | | -1 | -2 | 0 |
| HF93-032 | 6 | | 12 | 10 | 20 |
| HF93-035 | 5 | | 6 | 6 | 6 |
| HF93-036 | 5 | | 6 | 3 | 6 |
| HF93-038 | 6 | | 9 | 5 | 15 |
| HF93-082 | 4 | | 13 | 2 | 3 |
| HF93-083 | 7 | | 6 | 5 | 8 |
| HF93-155 | 6 | | 7 | 5 | 12 |
| HF93-194 | 8 | | 7 | 8 | 18 |
| HS93-135 | 3 | | 1 | -1 | 3 |
| HS93-138 | 3 | | 5 | 1 | 3 |
| M91-1434 | 1 | | -1 | -2 | 0 |
| M91-1440 | 0 | | 0 | -2 | 0 |
| SD93-522 | 2 | | 10 | 1 | 4 |
| SD(M)93-246 | 2 | | 4 | -1 | 1 |
| SD(M)93-894 | -4 | | -3 | -4 | -2 |
| SD(M)93-912 | 1 | | 1 | -2 | 1 |
| SD(M)93-921 | 2 | | 2 | -2 | 1 |
| SD(M)93-974 | 1 | | 0 | -4 | -1 |
| SD(M)93-990 | -3 | | 3 | -5 | 0 |
| Date Planted | 06/06 | | 06/15 | 05/22 | 05/18 |
| Days to Mature | 111 | | 92 | 112 | 120 |

PRELIMINARY TEST IIB, 1995

LODGING (score)

| Strain | Mean 10 Tests | Ames IA | Keystone IA | Urbana IL | Lafayette IN | Ingham County MI |
|-----------------|---------------------|------------|----------------|--------------|-----------------|------------------------|
| Marcus BC (I) | 1.3 | 1.8 | 1.4 | 1.0 | 1.0 | 1.0 |
| IA2007 BC (L) | 1.3 | 1.5 | 1.2 | 1.0 | 1.0 | 1.0 |
| A91-607052 (II) | 1.4 | 1.5 | 1.3 | 1.0 | 1.0 | 1.5 |
| C1907 | 2.0 | 2.0 | 1.6 | 1.3 | 1.0 | 2.0 |
| C1910 | 2.3 | 2.2 | 1.7 | 1.0 | 1.8 | 2.0 |
| C1912 | 1.4 | 1.4 | 1.4 | 1.0 | 1.0 | 1.0 |
| C1914 | 2.2 | 2.5 | 1.6 | 1.3 | 2.0 | 2.0 |
| C1915 | 1.6 | 1.6 | 1.4 | 1.0 | 1.0 | 2.0 |
| C1916 | 1.7 | 1.7 | 1.5 | 1.0 | 1.3 | 1.0 |
| C1917 | 1.6 | 1.7 | 1.4 | 1.0 | 1.3 | 1.5 |
| C1920 | 1.7 | 1.9 | 1.5 | 1.0 | 1.0 | 1.0 |
| C1923 | 1.8 | 2.3 | 1.3 | 1.0 | 1.3 | 1.5 |
| C1925 | 1.6 | 1.6 | 1.4 | 1.0 | 1.3 | 1.5 |
| C1926 | 1.5 | 1.5 | 1.4 | 1.0 | 1.3 | 1.0 |
| E93396 | 1.2 | 1.4 | 1.3 | 1.0 | 1.0 | 1.0 |
| E93424 | 1.5 | 1.4 | 1.1 | 1.0 | 1.0 | 1.0 |
| E93433 | 1.0 | 1.2 | 1.2 | 1.0 | 1.0 | 1.0 |
| E93464 | 1.4 | 1.4 | 1.2 | 1.0 | 1.0 | 1.0 |
| HF93-032 | 2.3 | 2.0 | 1.8 | 2.0 | 2.0 | 2.0 |
| HF93-035 | 2.0 | 1.8 | 1.6 | 1.0 | 1.5 | 2.0 |
| HF93-036 | 2.1 | 2.2 | 1.7 | 1.0 | 1.3 | 2.0 |
| HF93-038 | 2.2 | 2.5 | 1.7 | 1.0 | 1.5 | 1.5 |
| HF93-082 | 2.2 | 2.6 | 1.5 | 1.3 | 2.3 | 2.0 |
| HF93-083 | 2.4 | 3.0 | 1.8 | 1.8 | 2.5 | 2.0 |
| HF93-155 | 1.7 | 1.5 | 1.5 | 1.0 | 1.0 | 2.0 |
| HF93-194 | 2.2 | 2.1 | 1.7 | 1.0 | 1.8 | 2.5 |
| HS93-135 | 1.5 | 1.4 | 1.4 | 1.0 | 1.0 | 1.0 |
| HS93-138 | 1.2 | 1.3 | 1.3 | 1.0 | 1.0 | 1.0 |
| M91-1434 | 1.4 | 1.5 | 1.3 | 1.0 | 1.0 | 1.0 |
| M91-1440 | 1.4 | 1.7 | 1.3 | 1.0 | 1.0 | 1.0 |
| SD93-522 | 2.1 | 2.4 | 1.5 | 1.0 | 1.8 | 2.0 |
| SD(M)93-246 | 1.4 | 1.7 | 1.3 | 1.0 | 1.0 | 1.0 |
| SD(M)93-894 | 1.4 | 1.7 | 1.2 | 1.0 | 1.3 | 1.0 |
| SD(M)93-912 | 1.9 | 2.8 | 1.4 | 1.0 | 1.3 | 2.0 |
| SD(M)93-921 | 1.6 | 1.9 | 1.4 | 1.0 | 1.3 | 1.0 |
| SD(M)93-974 | 1.7 | 1.9 | 1.5 | 1.0 | 1.3 | 1.0 |
| SD(M)93-990 | 1.5 | 1.7 | 1.6 | 1.0 | 1.0 | 1.0 |

PRELIMINARY TEST IIB, 1995

LODGING (score)

| Strain | David City NE | Ord NE | Adelphia NJ | Hoytville OH | Ridgtown Ont. |
|-----------------|---------------------|-----------|----------------|-----------------|------------------|
| Marcus BC (I) | 1.0 | 1.5 | 1.5 | 1.0 | 2.0 |
| IA2007 BC (L) | 1.0 | 1.5 | 2.0 | 1.0 | 1.5 |
| A91-607052 (II) | 1.0 | 1.0 | 3.0 | 1.0 | 1.5 |
| C1907 | 1.0 | 2.5 | 3.0 | 2.0 | 3.5 |
| C1910 | 1.0 | 3.0 | 5.0 | 2.0 | 3.0 |
| C1912 | 1.0 | 1.5 | 2.5 | 1.0 | 2.0 |
| C1914 | 1.0 | 3.0 | 4.0 | 2.0 | 3.0 |
| C1915 | 1.0 | 1.5 | 2.5 | 1.2 | 2.5 |
| C1916 | 1.0 | 3.0 | 3.5 | 1.3 | 2.0 |
| C1917 | 1.0 | 2.0 | 3.0 | 1.5 | 2.0 |
| C1920 | 1.0 | 2.5 | 3.5 | 1.3 | 2.0 |
| C1923 | 1.0 | 2.0 | 3.5 | 1.0 | 3.5 |
| C1925 | 1.0 | 2.0 | 3.0 | 1.3 | 2.0 |
| C1926 | 1.0 | 2.5 | 3.5 | 1.0 | 1.0 |
| E93396 | 1.0 | 1.0 | 2.5 | 1.0 | 1.0 |
| E93424 | 1.0 | 1.0 | 4.5 | 1.0 | 1.5 |
| E93433 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| E93464 | 1.0 | 2.0 | 3.0 | 1.0 | 1.0 |
| HF93-032 | 1.0 | 3.0 | 4.5 | 2.0 | 3.0 |
| HF93-035 | 1.0 | 2.5 | 4.5 | 1.5 | 3.0 |
| HF93-036 | 1.0 | 3.0 | 4.0 | 1.5 | 3.0 |
| HF93-038 | 1.0 | 3.0 | 4.5 | 1.5 | 3.5 |
| HF93-082 | 1.0 | 2.5 | 4.5 | 2.0 | 2.5 |
| HF93-083 | 1.0 | 3.5 | 4.0 | 2.3 | 2.5 |
| HF93-155 | 1.0 | 2.0 | 3.0 | 1.0 | 3.0 |
| HF93-194 | 1.0 | 3.0 | 4.0 | 1.8 | 3.0 |
| HS93-135 | 1.0 | 2.0 | 3.5 | 1.0 | 2.0 |
| HS93-138 | 1.0 | 1.0 | 2.0 | 1.0 | 1.5 |
| M91-1434 | 1.0 | 1.5 | 3.5 | 1.0 | 1.0 |
| M91-1440 | 1.0 | 2.0 | 2.5 | 1.0 | 1.0 |
| SD93-522 | 1.0 | 3.0 | 4.0 | 1.3 | 2.5 |
| SD(M)93-246 | 1.0 | 1.5 | 2.5 | 1.0 | 2.0 |
| SD(M)93-894 | 1.0 | 1.0 | 3.0 | 1.0 | 1.5 |
| SD(M)93-912 | 1.0 | 2.0 | 4.0 | 1.3 | 2.5 |
| SD(M)93-921 | 1.0 | 2.0 | 4.0 | 1.0 | 1.5 |
| SD(M)93-974 | 1.0 | 2.5 | 4.0 | 1.0 | 2.0 |
| SD(M)93-990 | 1.0 | 2.0 | 3.0 | 1.0 | 2.0 |

PRELIMINARY TEST IIB, 1995

PLANT HEIGHT (inches)

| Strain | Mean 10 Tests | Ames IA | Keystone IA | Urbana IL | Lafay- ette IN | Ingham County MI |
|-----------------|---------------------|------------|----------------|--------------|----------------------|------------------------|
| Marcus BC (I) | 32 | 40 | 32 | 25 | 31 | 27 |
| IA2007 BC (L) | 36 | 44 | 34 | 29 | 38 | 31 |
| A91-607052 (II) | 32 | 38 | 32 | 25 | 31 | 28 |
| C1907 | 42 | 47 | 44 | 36 | 41 | 39 |
| C1910 | 40 | 45 | 38 | 35 | 41 | 37 |
| C1912 | 37 | 42 | 38 | 32 | 35 | 32 |
| C1914 | 45 | 52 | 40 | 40 | 48 | 44 |
| C1915 | 34 | 40 | 34 | 30 | 35 | 31 |
| C1916 | 39 | 44 | 40 | 36 | 40 | 35 |
| C1917 | 38 | 46 | 40 | 34 | 39 | 33 |
| C1920 | 39 | 46 | 44 | 29 | 40 | 32 |
| C1923 | 30 | 36 | 32 | 21 | 31 | 28 |
| C1925 | 38 | 46 | 39 | 32 | 38 | 36 |
| C1926 | 37 | 44 | 33 | 32 | 36 | 33 |
| E93396 | 34 | 44 | 34 | 28 | 34 | 31 |
| E93424 | 34 | 41 | 33 | 28 | 34 | 30 |
| E93433 | 30 | 38 | 31 | 24 | 29 | 26 |
| E93464 | 32 | 37 | 28 | 23 | 32 | 27 |
| HF93-032 | 42 | 45 | 42 | 36 | 37 | 38 |
| HF93-035 | 38 | 45 | 40 | 35 | 39 | 34 |
| HF93-036 | 38 | 44 | 40 | 34 | 40 | 36 |
| HF93-038 | 40 | 47 | 41 | 37 | 39 | 37 |
| HF93-082 | 38 | 43 | 40 | 32 | 38 | 34 |
| HF93-083 | 44 | 48 | 44 | 38 | 47 | 36 |
| HF93-155 | 38 | 44 | 36 | 35 | 35 | 36 |
| HF93-194 | 37 | 43 | 38 | 32 | 38 | 35 |
| HS93-135 | 35 | 42 | 33 | 29 | 35 | 32 |
| HS93-138 | 35 | 42 | 36 | 29 | 37 | 33 |
| M91-1434 | 32 | 40 | 32 | 22 | 35 | 29 |
| M91-1440 | 33 | 42 | 31 | 24 | 35 | 27 |
| SD93-522 | 37 | 44 | 33 | 26 | 38 | 34 |
| SD(M)93-246 | 35 | 45 | 35 | 28 | 35 | 33 |
| SD(M)93-894 | 34 | 41 | 36 | 26 | 37 | 32 |
| SD(M)93-912 | 36 | 42 | 35 | 29 | 35 | 34 |
| SD(M)93-921 | 40 | 47 | 44 | 30 | 41 | 32 |
| SD(M)93-974 | 35 | 44 | 36 | 25 | 34 | 28 |
| SD(M)93-990 | 34 | 42 | 36 | 24 | 35 | 27 |

PRELIMINARY TEST IIB, 1995

PLANT HEIGHT (inches)

| Strain | David City NE | Ord NE | Adelphia NJ | Hoytville OH | Ridgtown Ont. |
|-----------------|---------------------|-----------|----------------|-----------------|------------------|
| Marcus BC (I) | 28 | 35 | 31 | 29 | 37 |
| IA2007 BC (L) | 33 | 40 | 34 | 35 | 41 |
| A91-607052 (II) | 30 | 36 | 33 | 27 | 36 |
| C1907 | 38 | 45 | 39 | 41 | 53 |
| C1910 | 39 | 44 | 36 | 39 | 47 |
| C1912 | 34 | 42 | 35 | 33 | 43 |
| C1914 | 42 | 49 | 36 | 42 | 52 |
| C1915 | 32 | 38 | 31 | 27 | 42 |
| C1916 | 35 | 42 | 39 | 33 | 44 |
| C1917 | 32 | 43 | 38 | 34 | 45 |
| C1920 | 40 | 42 | 36 | 34 | 45 |
| C1923 | 30 | 37 | 33 | 24 | 32 |
| C1925 | 35 | 42 | 36 | 36 | 42 |
| C1926 | 35 | 45 | 38 | 33 | 43 |
| E93396 | 29 | 38 | 35 | 30 | 38 |
| E93424 | 31 | 39 | 33 | 30 | 38 |
| E93433 | 28 | 35 | 33 | 25 | 33 |
| E93464 | 30 | 43 | 33 | 28 | 35 |
| HF93-032 | 41 | 49 | 40 | 39 | 49 |
| HF93-035 | 35 | 42 | 35 | 33 | 44 |
| HF93-036 | 37 | 43 | 33 | 33 | 37 |
| HF93-038 | 40 | 43 | 37 | 35 | 41 |
| HF93-082 | 35 | 43 | 39 | 36 | 36 |
| HF93-083 | 42 | 54 | 43 | 37 | 53 |
| HF93-155 | 34 | 42 | 36 | 33 | 49 |
| HF93-194 | 33 | 42 | 34 | 34 | 44 |
| HS93-135 | 32 | 39 | 32 | 32 | 41 |
| HS93-138 | 31 | 38 | 31 | 32 | 41 |
| M91-1434 | 26 | 38 | 34 | 26 | 37 |
| M91-1440 | 30 | 42 | 36 | 27 | 38 |
| SD93-522 | 34 | 44 | 38 | 32 | 45 |
| SD(M)93-246 | 32 | 40 | 36 | 29 | 41 |
| SD(M)93-894 | 29 | 41 | 31 | 30 | 39 |
| SD(M)93-912 | 31 | 45 | 37 | 32 | 38 |
| SD(M)93-921 | 38 | 48 | 42 | 32 | 46 |
| SD(M)93-974 | 33 | 43 | 37 | 28 | 41 |
| SD(M)93-990 | 32 | 39 | 36 | 26 | 42 |

PRELIMINARY TEST IIB, 1995

SEED QUALITY (score)

| Strain | Mean 10 Tests | Ames IA | Keystone IA | Urbana IL | Lafay- ette IN | Ingham County MI |
|-----------------|---------------------|------------|----------------|--------------|----------------------|------------------------|
| Marcus BC (I) | 2.1 | 1.0 | 2.0 | 2.5 | 3.0 | 2.0 |
| IA2007 BC (L) | 1.6 | 1.0 | 1.0 | 1.8 | 1.0 | 1.5 |
| A91-607052 (II) | 2.1 | 2.0 | 2.0 | 2.3 | 4.0 | 1.5 |
| C1907 | 1.7 | 2.0 | 1.0 | 2.0 | 1.0 | 1.5 |
| C1910 | 1.5 | 1.0 | 1.0 | 1.5 | 1.0 | 1.5 |
| C1912 | 1.6 | 1.0 | 1.0 | 1.8 | 1.0 | 1.5 |
| C1914 | 1.7 | 1.0 | 2.0 | 1.5 | 1.0 | 1.5 |
| C1915 | 1.5 | 1.0 | 1.0 | 1.8 | 2.0 | 1.5 |
| C1916 | 2.0 | 2.0 | 1.0 | 2.3 | 2.0 | 1.5 |
| C1917 | 1.7 | 1.0 | 2.0 | 1.5 | 2.0 | 1.0 |
| C1920 | 1.7 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| C1923 | 1.5 | 1.0 | 2.0 | 1.8 | 1.0 | 1.0 |
| C1925 | 1.5 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 |
| C1926 | 1.4 | 1.0 | 1.0 | 1.8 | 1.0 | 1.0 |
| E93396 | 1.6 | 1.0 | 1.0 | 2.3 | 1.0 | 1.0 |
| E93424 | 1.8 | 2.0 | 1.0 | 3.5 | 1.0 | 1.0 |
| E93433 | 1.8 | 2.0 | 1.0 | 3.0 | 2.0 | 1.5 |
| E93464 | 1.7 | 1.0 | 1.0 | 2.3 | 2.0 | 1.5 |
| HF93-032 | 1.9 | 2.0 | 1.0 | 2.3 | 1.0 | 1.0 |
| HF93-035 | 1.8 | 1.0 | 1.0 | 2.8 | 1.0 | 1.5 |
| HF93-036 | 1.6 | 1.0 | 2.0 | 2.8 | 1.0 | 1.5 |
| HF93-038 | 2.0 | 1.0 | 2.0 | 2.8 | 1.0 | 2.0 |
| HF93-082 | 1.7 | 1.0 | 1.0 | 2.8 | 2.0 | 1.5 |
| HF93-083 | 1.5 | 1.0 | 1.0 | 1.8 | 1.0 | 1.5 |
| HF93-155 | 2.1 | 1.0 | 2.0 | 2.5 | 2.0 | 1.5 |
| HF93-194 | 2.1 | 1.0 | 2.0 | 2.5 | 3.0 | 2.0 |
| HS93-135 | 1.3 | 1.0 | 1.0 | 1.5 | 2.0 | 1.0 |
| HS93-138 | 1.4 | 1.0 | 2.0 | 1.5 | 1.0 | 1.0 |
| M91-1434 | 1.8 | 1.0 | 1.0 | 1.8 | 2.0 | 1.5 |
| M91-1440 | 2.2 | 1.0 | 2.0 | 1.8 | 2.0 | 2.0 |
| SD93-522 | 1.8 | 1.0 | 1.0 | 2.3 | 2.0 | 1.5 |
| SD(M)93-246 | 1.9 | 1.0 | 1.0 | 2.3 | 2.0 | 2.0 |
| SD(M)93-894 | 2.2 | 2.0 | 2.0 | 2.3 | 2.0 | 2.0 |
| SD(M)93-912 | 2.1 | 2.0 | 2.0 | 2.0 | 2.0 | 1.5 |
| SD(M)93-921 | 2.0 | 2.0 | 2.0 | 2.3 | 2.0 | 1.5 |
| SD(M)93-974 | 1.7 | 1.0 | 1.0 | 2.3 | 2.0 | 1.5 |
| SD(M)93-990 | 2.0 | 1.0 | 2.0 | 3.0 | 2.0 | 1.5 |

PRELIMINARY TEST IIB, 1995

SEED QUALITY (score)

| Strain | David City NE | Ord NE | Adelphia NJ | Hoytville OH | Ridgtown Ont. |
|-----------------|---------------------|-----------|----------------|-----------------|------------------|
| Marcus BC (I) | 2.0 | 1.5 | 1.5 | 2.5 | 2.5 |
| IA2007 BC (L) | 2.0 | 2.5 | 2.5 | 2.0 | 1.0 |
| A91-607052 (II) | 2.0 | 2.0 | 2.5 | 2.0 | 1.0 |
| C1907 | 1.5 | 2.0 | 3.0 | 2.0 | 1.0 |
| C1910 | 2.5 | 3.0 | 1.0 | 1.0 | 1.0 |
| C1912 | 2.0 | 4.0 | 1.5 | 1.0 | 1.0 |
| C1914 | 2.0 | 3.0 | 2.5 | 1.0 | 1.0 |
| C1915 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| C1916 | 2.5 | 3.0 | 2.5 | 2.0 | 1.0 |
| C1917 | 3.0 | 2.0 | 1.0 | 2.0 | 1.0 |
| C1920 | 2.0 | 2.5 | 1.0 | 2.0 | 1.0 |
| C1923 | 2.5 | 3.0 | 1.0 | 1.0 | 1.0 |
| C1925 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 |
| C1926 | 2.0 | 2.0 | 1.5 | 2.0 | 1.0 |
| E93396 | 2.0 | 2.5 | 1.0 | 2.5 | 1.5 |
| E93424 | 2.0 | 1.5 | 2.0 | 2.0 | 1.5 |
| E93433 | 2.5 | 2.0 | 1.0 | 2.0 | 1.0 |
| E93464 | 1.5 | 2.5 | 2.0 | 2.0 | 1.0 |
| HF93-032 | 3.0 | 3.5 | 2.5 | 2.0 | 1.0 |
| HF93-035 | 2.5 | 3.0 | 2.5 | 2.0 | 1.0 |
| HF93-036 | 2.0 | 2.5 | 1.5 | 1.0 | 1.0 |
| HF93-038 | 3.5 | 3.0 | 2.5 | 1.0 | 1.0 |
| HF93-082 | 2.5 | 3.0 | 1.0 | 1.0 | 1.0 |
| HF93-083 | 2.0 | 2.5 | 2.5 | 1.0 | 1.0 |
| HF93-155 | 3.0 | 4.0 | 2.5 | 1.0 | 1.0 |
| HF93-194 | 2.5 | 3.0 | 2.5 | 1.0 | 1.0 |
| HS93-135 | 1.5 | 2.0 | 1.0 | 1.0 | 1.0 |
| HS93-138 | 2.0 | 2.5 | 1.0 | 1.0 | 1.0 |
| M91-1434 | 2.5 | 3.0 | 2.0 | 2.5 | 1.0 |
| M91-1440 | 3.0 | 2.5 | 3.5 | 3.0 | 1.0 |
| SD93-522 | 2.5 | 3.0 | 1.0 | 2.0 | 1.5 |
| SD(M)93-246 | 2.5 | 2.0 | 3.0 | 2.0 | 1.0 |
| SD(M)93-894 | 3.0 | 2.0 | 2.5 | 2.0 | 2.5 |
| SD(M)93-912 | 2.5 | 2.5 | 2.5 | 2.0 | 2.0 |
| SD(M)93-921 | 2.0 | 3.0 | 2.5 | 2.0 | 1.0 |
| SD(M)93-974 | 2.0 | 2.5 | 2.0 | 2.0 | 1.0 |
| SD(M)93-990 | 2.5 | 2.0 | 2.5 | 2.0 | 1.0 |

PRELIMINARY TEST IIB, 1995

SEED SIZE (g/100)

| Strain | Mean 10 Tests | Ames IA | Keystone IA | Urbana IL | Lafayette IN | Ingham County MI |
|-----------------|---------------------|------------|----------------|--------------|-----------------|------------------------|
| Marcus BC (I) | 16.9 | 16.6 | 15.2 | 18.7 | 12.7 | 18.4 |
| IA2007 BC (L) | 16.2 | 16.2 | 15.3 | 18.1 | 13.6 | 17.6 |
| A91-607052 (II) | 16.5 | 16.6 | 15.9 | 18.3 | 11.9 | 17.9 |
| C1907 | 16.9 | 16.6 | 15.7 | 18.1 | 14.0 | 18.9 |
| C1910 | 13.7 | 12.7 | 13.0 | 14.2 | 11.4 | 14.5 |
| C1912 | 14.8 | 15.5 | 13.2 | 16.6 | 11.7 | 15.8 |
| C1914 | 14.4 | 16.0 | 14.5 | 13.6 | 12.1 | 15.4 |
| C1915 | 19.0 | 20.2 | 17.8 | 21.0 | 15.7 | 20.9 |
| C1916 | 17.7 | 18.1 | 15.3 | 20.6 | 13.6 | 19.5 |
| C1917 | 16.6 | 17.1 | 14.4 | 17.7 | 13.6 | 17.6 |
| C1920 | 16.5 | 15.6 | 16.0 | 17.2 | 14.2 | 18.1 |
| C1923 | 16.1 | 15.0 | 15.0 | 17.2 | 14.0 | 18.4 |
| C1925 | 15.4 | 16.0 | 13.7 | 15.9 | 12.6 | 17.8 |
| C1926 | 15.2 | 15.6 | 14.0 | 16.9 | 10.9 | 16.1 |
| E93396 | 15.3 | 15.4 | 14.8 | 18.2 | 11.7 | 16.6 |
| E93424 | 17.5 | 18.4 | 16.4 | 18.8 | 14.9 | 17.2 |
| E93433 | 19.2 | 18.8 | 18.7 | 22.6 | 16.8 | 19.5 |
| E93464 | 16.4 | 15.3 | 15.3 | 19.1 | 13.2 | 18.9 |
| HF93-032 | 17.4 | 17.1 | 16.9 | 20.8 | 15.7 | 16.4 |
| HF93-035 | 19.3 | 20.5 | 18.2 | 21.1 | 15.6 | 21.4 |
| HF93-036 | 18.0 | 17.6 | 18.2 | 18.7 | 15.8 | 18.9 |
| HF93-038 | 18.0 | 17.5 | 17.9 | 20.2 | 15.2 | 19.8 |
| HF93-082 | 16.1 | 16.4 | 15.1 | 16.5 | 12.2 | 17.2 |
| HF93-083 | 16.7 | 17.2 | 16.0 | 19.3 | 14.0 | 17.5 |
| HF93-155 | 16.6 | 17.4 | 16.0 | 18.0 | 13.9 | 18.6 |
| HF93-194 | 16.1 | 16.6 | 16.0 | 19.1 | 13.0 | 17.2 |
| HS93-135 | 16.0 | 16.7 | 14.2 | 16.6 | 12.5 | 16.2 |
| HS93-138 | 16.1 | 16.6 | 14.0 | 16.8 | 11.9 | 16.7 |
| M91-1434 | 16.0 | 14.0 | 15.0 | 17.3 | 16.8 | 17.0 |
| M91-1440 | 18.4 | 17.6 | 17.0 | 19.1 | 14.1 | 20.3 |
| SD93-522 | 16.2 | 15.9 | 16.2 | 16.9 | 12.9 | 16.0 |
| SD(M)93-246 | 19.5 | 18.3 | 18.8 | 20.3 | 15.6 | 20.8 |
| SD(M)93-894 | 16.7 | 16.3 | 15.0 | 18.5 | 12.7 | 17.9 |
| SD(M)93-912 | 18.7 | 15.3 | 14.5 | 16.4 | 12.8 | 15.9 |
| SD(M)93-921 | 15.1 | 14.7 | 13.4 | 15.0 | 12.0 | 16.9 |
| SD(M)93-974 | 19.7 | 18.6 | 18.4 | 19.1 | 16.2 | 21.5 |
| SD(M)93-990 | 19.6 | 19.8 | 18.2 | 20.6 | 17.5 | 21.7 |

PRELIMINARY TEST IIB, 1995

SEED SIZE (g/100)

| Strain | David City NE | Ord NE | Adelphia NJ | Hoytville OH | Ridgtown Ont. |
|-----------------|---------------------|-----------|----------------|-----------------|------------------|
| Marcus BC (I) | 19.2 | 19.6 | 13.5 | 15.5 | 19.8 |
| IA2007 BC (L) | 16.9 | 15.8 | 15.0 | 14.3 | 19.1 |
| A91-607052 (II) | 19.2 | 18.7 | 13.0 | 15.4 | 18.2 |
| C1907 | 19.2 | 16.9 | 15.0 | 16.2 | 18.5 |
| C1910 | 15.0 | 14.5 | 14.0 | 12.3 | 15.7 |
| C1912 | 16.6 | 15.8 | 12.5 | 13.2 | 17.5 |
| C1914 | 14.2 | 14.3 | 14.0 | 13.4 | 16.5 |
| C1915 | 20.7 | 20.8 | 16.0 | 15.9 | 21.1 |
| C1916 | 20.3 | 18.7 | 16.0 | 15.4 | 19.5 |
| C1917 | 19.1 | 18.1 | 15.5 | 14.0 | 18.8 |
| C1920 | 17.8 | 16.2 | 16.0 | 15.2 | 19.0 |
| C1923 | 17.4 | 15.0 | 16.0 | 14.4 | 18.5 |
| C1925 | 16.1 | 15.7 | 13.5 | 13.6 | 18.7 |
| C1926 | 17.1 | 16.0 | 14.5 | 13.0 | 18.3 |
| E93396 | 17.6 | 16.0 | 14.0 | 12.6 | 16.3 |
| E93424 | 19.6 | 19.5 | 14.0 | 17.2 | 18.5 |
| E93433 | 21.0 | 21.1 | 15.0 | 18.7 | 20.0 |
| E93464 | 19.6 | 16.8 | 13.5 | 16.0 | 16.3 |
| HF93-032 | 18.8 | 17.7 | 16.0 | 15.5 | 19.5 |
| HF93-035 | 20.5 | 19.2 | 16.0 | 17.3 | 23.5 |
| HF93-036 | 19.3 | 18.6 | 15.5 | 16.2 | 20.7 |
| HF93-038 | 18.7 | 17.6 | 16.0 | 15.6 | 21.0 |
| HF93-082 | 17.3 | 17.1 | 16.5 | 13.8 | 18.6 |
| HF93-083 | 18.0 | 16.9 | 15.0 | 14.7 | 18.4 |
| HF93-155 | 17.5 | 15.7 | 14.5 | 14.0 | 20.6 |
| HF93-194 | 17.3 | 15.4 | 13.5 | 14.0 | 19.0 |
| HS93-135 | 18.7 | 18.6 | 13.5 | 14.0 | 19.0 |
| HS93-138 | 17.9 | 17.8 | 16.5 | 14.2 | 18.6 |
| M91-1434 | 17.7 | 16.6 | 14.0 | 14.7 | 17.2 |
| M91-1440 | 20.4 | 20.4 | 17.0 | 17.5 | 20.3 |
| SD93-522 | 17.1 | 16.9 | 15.5 | 15.0 | 19.6 |
| SD(M)93-246 | 21.8 | 20.6 | 18.0 | 19.1 | 21.4 |
| SD(M)93-894 | 19.1 | 17.4 | 14.5 | 16.2 | 19.4 |
| SD(M)93-912 | 17.8 | 46.3 | 14.5 | 15.5 | 18.4 |
| SD(M)93-921 | 17.0 | 16.7 | 14.5 | 14.0 | 16.7 |
| SD(M)93-974 | 22.3 | 21.6 | 17.5 | 19.4 | 22.2 |
| SD(M)93-990 | 22.2 | 21.0 | 17.0 | 17.0 | 21.2 |

PRELIMINARY TEST IIB, 1995

PROTEIN (%)

| Strain | Mean 5 Tests | Ames IA | Urbana IL | Lafayette IN | David City NE | Hoytville OH |
|-----------------|--------------------|------------|--------------|-----------------|---------------------|-----------------|
| Marcus BC (I) | 42.5 | 41.8 | 44.6 | 43.3 | 41.4 | 41.5 |
| IA2007 BC (L) | 41.2 | 40.8 | 43.9 | 41.7 | 39.7 | 39.7 |
| A91-607052 (II) | 41.0 | 40.9 | 43.6 | 40.6 | 39.2 | 40.6 |
| C1907 | 47.5 | 48.6 | 50.1 | 46.5 | 45.7 | 46.4 |
| C1910 | 46.9 | 47.4 | 49.2 | 47.2 | 45.3 | 45.4 |
| C1912 | 41.4 | 40.8 | 43.5 | 41.9 | 40.4 | 40.5 |
| C1914 | 47.8 | 48.0 | 50.2 | 48.9 | 46.2 | 45.6 |
| C1915 | 42.8 | 41.8 | 44.8 | 43.9 | 41.9 | 41.7 |
| C1916 | 42.1 | 42.3 | 43.7 | 42.5 | 40.8 | 41.3 |
| C1917 | 41.6 | 41.6 | 43.6 | 41.7 | 40.5 | 40.8 |
| C1920 | 43.6 | 43.5 | 45.1 | 43.6 | 43.6 | 42.2 |
| C1923 | 41.7 | 42.1 | 44.3 | 41.4 | 40.0 | 40.6 |
| C1925 | 41.1 | 40.3 | 42.5 | 41.5 | 40.4 | 40.8 |
| C1926 | 41.1 | 40.4 | 42.9 | 42.8 | 39.5 | 39.7 |
| E93396 | 40.6 | 40.2 | 42.8 | 40.7 | 39.9 | 39.4 |
| E93424 | 42.2 | 41.5 | 44.2 | 42.3 | 41.7 | 41.3 |
| E93433 | 42.7 | 42.1 | 44.9 | 42.9 | 41.4 | 42.0 |
| E93464 | 41.6 | 40.6 | 44.1 | 42.0 | 40.3 | 41.1 |
| HF93-032 | 42.0 | 42.0 | 43.5 | 42.5 | 40.6 | 41.6 |
| HF93-035 | 42.3 | 42.5 | 43.1 | 44.2 | 40.8 | 40.9 |
| HF93-036 | 42.0 | 42.7 | 42.3 | 42.3 | 40.8 | 41.7 |
| HF93-038 | 41.3 | 41.7 | 41.5 | 42.0 | 40.2 | 40.9 |
| HF93-082 | 42.0 | 42.5 | 42.9 | 43.2 | 40.6 | 40.8 |
| HF93-083 | 42.1 | 41.1 | 44.2 | 43.0 | 40.7 | 41.6 |
| HF93-155 | 41.1 | 41.1 | 43.2 | 41.7 | 39.3 | 40.0 |
| HF93-194 | 43.4 | 43.3 | 44.6 | 45.1 | 41.3 | 42.9 |
| HS93-135 | 42.0 | 42.3 | 43.6 | 43.5 | 39.6 | 41.2 |
| HS93-138 | 42.6 | 42.8 | 44.5 | 43.9 | 40.0 | 42.0 |
| M91-1434 | 43.0 | 43.1 | 43.7 | 44.3 | 40.9 | 42.8 |
| M91-1440 | 43.3 | 44.0 | 44.0 | 43.7 | 42.6 | 42.1 |
| SD93-522 | 42.1 | 42.7 | 44.1 | 41.8 | 40.8 | 41.1 |
| SD(M)93-246 | 43.8 | 44.3 | 45.1 | 44.0 | 43.3 | 42.2 |
| SD(M)93-894 | 41.6 | 41.3 | 42.8 | 42.1 | 40.7 | 41.0 |
| SD(M)93-912 | 42.4 | 42.8 | 44.6 | 42.3 | 40.7 | 41.7 |
| SD(M)93-921 | 41.8 | 40.7 | 44.2 | 42.1 | 41.0 | 40.8 |
| SD(M)93-974 | 42.8 | 42.4 | 43.7 | 43.2 | 42.7 | 41.9 |
| SD(M)93-990 | 43.0 | 43.5 | 44.0 | 43.4 | 41.7 | 42.5 |

PRELIMINARY TEST IIB, 1995

OIL (%)

| Strain | Mean 5 Tests | Ames IA | Urbana IL | Lafayette IN | David City NE | Hoytville OH |
|-----------------|--------------------|------------|--------------|-----------------|---------------------|-----------------|
| Marcus BC (I) | 21.3 | 21.0 | 21.9 | 21.6 | 20.5 | 21.5 |
| IA2007 BC (L) | 21.1 | 20.6 | 21.6 | 21.7 | 20.8 | 20.8 |
| A91-607052 (II) | 21.1 | 20.8 | 22.0 | 21.5 | 20.5 | 20.9 |
| C1907 | 19.1 | 18.3 | 19.3 | 19.5 | 19.3 | 19.1 |
| C1910 | 19.4 | 19.0 | 19.6 | 19.6 | 19.0 | 19.6 |
| C1912 | 20.2 | 20.1 | 20.6 | 20.6 | 19.7 | 20.2 |
| C1914 | 19.0 | 19.2 | 19.2 | 18.8 | 18.8 | 18.9 |
| C1915 | 20.9 | 20.5 | 21.6 | 20.9 | 20.6 | 20.8 |
| C1916 | 21.2 | 21.1 | 21.8 | 21.3 | 20.8 | 21.0 |
| C1917 | 21.0 | 20.7 | 21.8 | 21.5 | 20.5 | 20.6 |
| C1920 | 19.9 | 19.3 | 20.4 | 20.8 | 19.2 | 19.9 |
| C1923 | 21.4 | 20.2 | 22.5 | 22.4 | 20.6 | 21.3 |
| C1925 | 20.6 | 20.5 | 21.4 | 20.7 | 20.4 | 20.0 |
| C1926 | 21.4 | 21.1 | 22.6 | 21.4 | 21.1 | 21.0 |
| E93396 | 20.6 | 20.6 | 21.1 | 20.9 | 19.9 | 20.3 |
| E93424 | 20.9 | 20.9 | 21.5 | 21.7 | 20.2 | 20.3 |
| E93433 | 20.8 | 20.5 | 21.6 | 21.1 | 20.0 | 20.6 |
| E93464 | 21.7 | 21.5 | 22.1 | 22.4 | 20.9 | 21.4 |
| HF93-032 | 20.5 | 20.1 | 21.9 | 21.2 | 19.6 | 19.9 |
| HF93-035 | 21.0 | 20.5 | 21.7 | 21.1 | 20.7 | 20.8 |
| HF93-036 | 20.8 | 20.1 | 21.8 | 21.6 | 20.0 | 20.4 |
| HF93-038 | 21.1 | 20.4 | 22.0 | 22.0 | 20.3 | 20.9 |
| HF93-082 | 20.8 | 20.6 | 21.2 | 21.1 | 20.4 | 20.5 |
| HF93-083 | 20.3 | 19.9 | 20.8 | 20.6 | 20.2 | 19.9 |
| HF93-155 | 21.0 | 20.6 | 21.9 | 21.7 | 20.6 | 20.4 |
| HF93-194 | 19.8 | 19.8 | 20.8 | 19.3 | 19.8 | 19.1 |
| HS93-135 | 21.1 | 20.4 | 21.9 | 21.4 | 20.9 | 20.7 |
| HS93-138 | 21.1 | 21.1 | 21.7 | 21.2 | 20.5 | 20.9 |
| M91-1434 | 20.5 | 19.9 | 21.4 | 21.0 | 20.2 | 20.2 |
| M91-1440 | 20.5 | 20.0 | 21.1 | 21.2 | 19.7 | 20.5 |
| SD93-522 | 21.4 | 20.7 | 21.6 | 22.2 | 20.9 | 21.4 |
| SD(M)93-246 | 20.1 | 19.7 | 20.9 | 20.5 | 19.5 | 20.0 |
| SD(M)93-894 | 20.9 | 20.7 | 21.4 | 21.5 | 20.4 | 20.7 |
| SD(M)93-912 | 20.7 | 20.3 | 21.0 | 21.4 | 20.6 | 20.4 |
| SD(M)93-921 | 20.5 | 20.2 | 20.7 | 21.0 | 19.7 | 20.7 |
| SD(M)93-974 | 20.6 | 20.5 | 21.4 | 20.9 | 19.6 | 20.5 |
| SD(M)93-990 | 20.2 | 19.8 | 20.6 | 21.0 | 19.5 | 20.1 |

UNIFORM TEST III, 1995

| Strain | Parentage | Previous* Testing | Generation Composited | Unique Traits |
|------------------|---|----------------------|--------------------------|------------------|
| Charleston (dt1) | HC74-634RE x HC78-676 | 6 | F5 | dt ₁ |
| Flyer (IV) | Asgrow A3127 ⁴ x Williams 82 | 9 | BC3 F2 | Rps1-k |
| Jack (SCN) | Fayette x Hardin | SCNIII | F5 | SCN 3,4 |
| IA2007 BC (II) | IA2007 x Archer | UTII | BC3 F2 | Rps1-k |
| Thorne (BSR) | A80-344003 x Asgrow A3127 BC3 F2-1 | 5 | F6 | BSR |
| LN88-10534 (III) | LN81-1029 x Asgrow A2943 | 3 | F5 | Rps? |
| A92-726004 | Jack x Dairyland DSR 284 | SCNIII | ? | |
| A92-726034 | L82C-1212 x Kenwood | SCNIII | ? | |
| A93-652026 | LN86-983 x Marcus | PTIIIA | F5 | BSR |
| A93-754028 | A86-301024 x Marcus | PTIIIA | F5 | |
| C1875 | A86-301024 x Resnik | 1 | F4 | |
| HC86-130 | Pixie x HC78-676 | PTIVB | F5 | dt ₁ |
| HC89-1389 | HC78-676BC x Pella | PTIIIB | F5 | dt ₁ |
| HC89-2232 | HC80-1944 x Asgrow A3127 | 1 | F5 | Dt ₁ |
| HC89-2436 | HC80-1944 x Asgrow A3127 | PTIIIA | F5 | Dt ₁ |
| HF92-078 | HS84-6224 x Resnik | PTIIIB | F5 | |
| HF92-080 | HS84-6224 x Resnik | PTIIB | F5 | |
| HF92-083 | HS84-6224 x Resnik | PTIIIB | F5 | |
| HF92-178 | HM87107 x Flyer | PTIIIB | F5 | |
| HS91-4523 | HM8778 x Asgrow A3733 | 1 | F5 | Rps |
| HS92-2683 | GR8936(2) x HM8580 | PTIIIA | BC1 F5 | |
| HS92-2684 | GR8936(2) x HM8580 | PTIIIA | BC1 F5 | |
| LN89-295 | Sherman x Resnik | 2 | F5 | |
| LN89-334 | Sherman x Resnik | 1 | F5 | Rps1-k |
| LN89-3619 | Hobbit 87 x Asgrow A3205 | 1 | F5 | Rps1-k |
| LN91-5895 | LNx8519 x Chamberlain | PTIIB | F5 | |
| U92-3604 | UX110 x Asgrow A3427 | 1 | F5 | |
| U93-2412 | M84-916 x Asgrow A3935 | PTIIA | F6 | |
| U93-3116 | Asgrow A3205 x Asgrow A3935 | PTIIIB | F6 | |
| U93-3122 | Asgrow A3205 x A86-303014 | PTIIIB | F6 | |
| U93-3228 | Kunitz x Dairyland DSR 304 | PTIIIB | F4 | |

* Number of years in test or name of 1994 test

UNIFORM TEST III, 1995

DESCRIPTIVE DATA

| Strain | Descriptive Code | Chlorosis Score | | Emerg. Score | Shattering Score |
|------------------|------------------|-----------------|----------------|--------------|------------------|
| | | Ames | Lamber- ton | Ames | Manhattan |
| Charleston (dt1) | PTTShYb1D | 3.1 | 2.0 | 2 | 1 |
| Flyer (IV) | PTTDYb1I | 3.0 | 2.0 | 1 | 1 |
| Jack (SCN) | WGBDYI | 3.2 | 3.0 | 5 | 1 |
| IA2007 BC (II) | PTTDYbfI | 4.2 | 4.5 | 2 | 1 |
| Thorne (BSR) | WTBIYb1I | 2.8 | 3.0 | 1 | 1 |
| LN88-10534 (III) | PGBDYIbI | 3.3 | 1.5 | 4 | 1 |
| A92-726004 | PGBDYI | 3.6 | 4.0 | 3 | 1 |
| A92-726034 | WTB+TShYb1I | 3.8 | 1.5 | 2 | 1 |
| A93-652026 | WGTYIbfI | 3.5 | 2.0 | 1 | 1 |
| A93-754028 | WGBDYbfI | 3.6 | 2.5 | 4 | 1 |
| C1875 | PTTDYb1I | 3.2 | 2.0 | 4 | 1 |
| HC86-130 | PTTIYHD | 3.2 | 2.5 | 5 | 1 |
| HC89-1389 | PTTDYb1D | 3.2 | 2.5 | 5 | 1 |
| HC89-2232 | PTTDYb1I | 3.8 | 2.0 | 1 | 1 |
| HC89-2436 | PTTB+TDYHI | 3.6 | 3.0 | 5 | 1 |
| HF92-078 | P+WTTShYb1I | 3.6 | 5.0 | 1 | 1 |
| HF92-080 | PWTTDYb1I | 4.3 | 2.0 | 1 | 1 |
| HF92-083 | P+WG+TTIYb1I | 3.8 | 3.0 | 1 | 1 |
| HF92-178 | P+WTTIYb1I | 4.3 | 3.5 | 1 | 1 |
| HS91-4523 | PGBDYIbI | 3.0 | 2.0 | 2 | 1 |
| HS92-2683 | WTTDYb1I | 3.6 | 2.0 | 1 | 1 |
| HS92-2684 | WTTDYb1I | 3.5 | 3.0 | 1 | 1 |
| LN89-295 | WTBDYb1I | 3.7 | 3.5 | 2 | 1 |
| LN89-334 | WGBDYbfI | 3.7 | 2.5 | 1 | 1 |
| LN89-3619 | PTBShYb1I | 3.7 | 3.0 | 3 | 1 |
| LN91-5895 | PTBShYb1I | 3.1 | 1.0 | 2 | 1 |
| U92-3604 | PGTDYIbI | --- | 2.5 | 2 | 1 |
| U93-2412 | WTBDYbfI | --- | 1.5 | 5 | 1 |
| U93-3116 | PTBDYb1I | --- | 3.0 | 1 | 1 |
| U93-3122 | PTBDYBrI | --- | 3.5 | 5 | 1 |
| U93-3228 | WGTDYIbI | --- | 3.0 | 1 | 1 |

UNIFORM TEST III, 1995

DISEASE DATA

| Strain | BTS | BSR-Ames | | PR | | | PS | PSB | Hd Seed |
|------------------|--------------------|-----------------|----------------|-------------------------------|-------------------|-------------------|----------------|-----------------|------------|
| | Ames a Score | Plant n % | Stem n % | Custar Root Rot Race 25 | Ames Race 4 | Laf. Race 7 | Laf. a % | Vinc. n % | Vinc. % |
| Charleston (dt1) | 76 | 100 | 69 | 4.7 | S | S | 6 | 8 | 0 |
| Flyer (IV) | 105 | 100 | 51 | 4.4 | H | R | 30 | 16 | 0 |
| Jack (SCN) | 118 | 100 | 49 | 3.5 | S | R | 44 | 40 | 0 |
| IA2007 BC (II) | 102 | 100 | 57 | 3.7 | R | R | 24 | 2 | 14 |
| Thorne (BSR) | 101 | 95 | 33 | 3.9 | H | R | 42 | 4 | 0 |
| LN88-10534 (III) | 106 | 95 | 36 | 3.6 | S | S | 10 | 2 | 0 |
| A92-726004 | 99 | 100 | 39 | 3.4 | S | H | 30 | 28 | 0 |
| A92-726034 | 99 | 95 | 50 | 3.7 | S | S | 27 | 2 | 0 |
| A93-652026 | 93 | 75 | 16 | 4.0 | S | S | 18 | 24 | 0 |
| A93-754028 | 100 | 100 | 35 | 4.4 | S | S | 1 | 36 | 0 |
| C1875 | 100 | 100 | 44 | 4.9 | R | R | 6 | 14 | 0 |
| HC86-130 | 66 | 100 | 80 | 4.6 | S | S | 12 | 30 | 0 |
| HC89-1389 | 66 | 100 | 68 | 4.2 | H | R | 1 | 14 | 0 |
| HC89-2232 | 121 | 100 | 39 | 3.7 | S | S | 18 | 8 | 0 |
| HC89-2436 | 120 | 100 | 35 | 4.1 | S | S | 12 | 6 | 0 |
| HF92-078 | 118 | 90 | 37 | 3.9 | H | R | 12 | 4 | 0 |
| HF92-080 | 110 | 100 | 51 | 3.9 | R | R | 1 | 6 | 0 |
| HF92-083 | 120 | 100 | 43 | 3.6 | H | R | 12 | 6 | 0 |
| HF92-178 | 125 | 100 | 47 | 3.2 | H | R | 21 | 2 | 0 |
| HS91-4523 | 109 | 95 | 36 | 3.5 | R | S | 1 | 26 | 0 |
| HS92-2683 | 115 | 100 | 44 | 3.5 | R | R | 18 | 10 | 0 |
| HS92-2684 | 112 | 100 | 43 | 3.2 | H | R | 9 | 12 | 0 |
| LN89-295 | 109 | 100 | 52 | 3.8 | S | S | 12 | 2 | 0 |
| LN89-334 | 104 | 100 | 52 | 3.7 | R | R | 36 | 6 | 0 |
| LN89-3619 | 107 | 100 | 49 | 3.7 | S | R | 6 | 4 | 0 |
| LN91-5895 | 124 | 85 | 23 | 3.9 | H | S | 3 | 14 | 0 |
| U92-3604 | 100 | 100 | 44 | 3.8 | S | R | 9 | 8 | 0 |
| U93-2412 | 118 | 100 | 39 | 4.3 | S | S | 30 | 48 | 0 |
| U93-3116 | 101 | 100 | 43 | 5.0 | S | S | 9 | 20 | 0 |
| U93-3122 | 102 | 100 | 48 | 5.7 | S | S | 15 | 16 | 32 |
| U93-3228 | 107 | 95 | 48 | 3.4 | H | R | 1 | 4 | 0 |

UNIFORM TEST III, 1995

SDS DATA

| Strain | SDS | | SDS Data | | | | |
|------------------|-------------------|------------|----------|-----|---------------|------|---------|
| | Ridgway I % | S Score | RDate | DI | Ridgway DS | DX | DX Rank |
| Charleston (dt1) | 9 | 1.7 | 90 | 87 | 2.2 | 20.9 | 14 |
| Flyer (IV) | 20 | 1.7 | 95 | 96 | 4.0 | 42.8 | 31 |
| Jack (SCN) | 28 | 2.7 | 91 | -2 | 0.6 | -5.4 | 1 |
| IA2007 BC (II) | 23 | 3.3 | 86 | 80 | 1.2 | 9.2 | 6 |
| Thorne (BSR) | 15 | 1.3 | 93 | 99 | 4.0 | 44.1 | 32 |
| LN88-10534 (III) | 45 | 2.7 | 93 | 94 | 3.1 | 33.0 | 27 |
| A92-726004 | 1 | 1.0 | 93 | -2 | 0.8 | -2.3 | 3 |
| A92-726034 | 9 | 1.7 | 93 | -4 | 0.7 | -4.8 | 2 |
| A93-652026 | 25 | 1.7 | 83 | 91 | 1.7 | 17.6 | 12 |
| A93-754028 | 6 | 1.3 | 93 | 74 | 1.5 | 11.0 | 7 |
| C1875 | 23 | 2.0 | 92 | 90 | 2.7 | 26.8 | 21 |
| HC86-130 | 20 | 2.3 | 91 | 87 | 2.3 | 22.6 | 16 |
| HC89-1389 | 83 | 4.0 | 90 | 83 | 2.5 | 21.2 | 18 |
| HC89-2232 | 25 | 2.3 | 95 | 84 | 2.1 | 20.2 | 13 |
| HC89-2436 | 52 | 3.3 | 96 | 86 | 2.7 | 27.0 | 22 |
| HF92-078 | 48 | 3.3 | 95 | 70 | 2.3 | 21.3 | 15 |
| HF92-080 | 37 | 2.7 | 95 | 96 | 2.6 | 27.3 | 23 |
| HF92-083 | 38 | 2.7 | 92 | 58 | 1.7 | 12.9 | 8 |
| HF92-178 | 25 | 2.7 | 96 | 91 | 2.4 | 24.2 | 19 |
| HS91-4523 | 27 | 2.3 | 90 | 96 | 4.1 | 44.5 | 33 |
| HS92-2683 | 10 | 1.7 | 93 | 98 | 3.1 | 34.3 | 28 |
| HS92-2684 | 22 | 2.7 | 93 | 95 | 3.4 | 36.4 | 29 |
| LN89-295 | 1 | 1.0 | 94 | 82 | 1.8 | 16.7 | 10 |
| LN89-334 | 28 | 2.3 | 93 | 101 | 4.6 | 50.9 | 35 |
| LN89-3619 | 57 | 2.3 | 94 | 81 | 1.9 | 17.3 | 11 |
| LN91-5895 | 27 | 2.7 | 97 | 94 | 3.0 | 32.3 | 26 |
| U92-3604 | 33 | 2.3 | 95 | 98 | 2.8 | 30.5 | 25 |
| U93-2412 | 18 | 2.0 | 93 | 67 | 1.8 | 15.3 | 9 |
| U93-3116 | 77 | 3.3 | 92 | 91 | 2.4 | 24.6 | 20 |
| U93-3122 | 53 | 3.3 | 95 | 90 | 2.3 | 23.8 | 17 |
| U93-3228 | 20 | 2.0 | 94 | 86 | 2.9 | 30.0 | 24 |

UNIFORM TEST III, 1995

SDS DATA

| Strain | RDate | DI | SDS Data | | |
|------------------|-------|-----|-------------|------|---------|
| | | | Ullin DS | DX | DX Rank |
| Charleston (dt1) | 86 | 95 | 3.0 | 32.8 | 31 |
| Flyer (IV) | 93 | 91 | 2.5 | 27.2 | 25 |
| Jack (SCN) | 91 | 18 | 1.9 | 6.8 | 6 |
| IA2007 BC (II) | 87 | 35 | 1.7 | 9.0 | 8 |
| Thorne (BSR) | 93 | 100 | 2.9 | 33.1 | 34 |
| LN88-10534 (III) | 90 | 79 | 2.4 | 22.8 | 19 |
| A92-726004 | 97 | 36 | 1.0 | 2.3 | 2 |
| A92-726034 | 91 | 10 | 1.1 | 0.4 | 1 |
| A93-652026 | 86 | 106 | 3.1 | 35.4 | 36 |
| A93-754028 | 89 | 75 | 1.5 | 12.9 | 13 |
| C1875 | 93 | 103 | 2.9 | 32.8 | 32 |
| HC86-130 | 90 | 84 | 2.4 | 23.4 | 21 |
| HC89-1389 | 89 | 93 | 3.2 | 34.2 | 35 |
| HC89-2232 | 93 | 47 | 1.9 | 12.4 | 12 |
| HC89-2436 | 92 | 101 | 2.7 | 29.5 | 29 |
| HF92-078 | 93 | 57 | 1.8 | 10.4 | 9 |
| HF92-080 | 91 | 83 | 2.4 | 21.5 | 18 |
| HF92-083 | 93 | 31 | 1.6 | 5.9 | 4 |
| HF92-178 | 90 | 30 | 1.6 | 6.5 | 5 |
| HS91-4523 | 88 | 96 | 2.6 | 29.0 | 28 |
| HS92-2683 | 94 | 75 | 2.8 | 26.4 | 24 |
| HS92-2684 | 90 | 76 | 2.5 | 19.8 | 17 |
| LN89-295 | 92 | 82 | 1.2 | 10.4 | 10 |
| LN89-334 | 94 | 94 | 2.7 | 28.7 | 27 |
| LN89-3619 | 91 | 91 | 2.7 | 27.8 | 26 |
| LN91-5895 | 90 | 66 | 2.4 | 22.9 | 20 |
| U92-3604 | 101 | 24 | 1.9 | 8.0 | 7 |
| U93-2412 | 93 | 64 | 1.8 | 13.7 | 14 |
| U93-3116 | 91 | 78 | 2.6 | 24.0 | 23 |
| U93-3122 | 92 | 76 | 1.8 | 11.9 | 11 |
| U93-3228 | 90 | 68 | 1.9 | 16.5 | 15 |

UNIFORM TEST III, 1995

REGIONAL SUMMARY

| No. of Tests Strain | Yield 21 bu/a | Rank 21 No. | Maturity 19 Date | Lodging 24 Score | Plant Height 24 In. | Seed Quality 23 Score | Seed Size 23 g/100 | <u>Composition</u> | |
|------------------------|---------------------|-------------------|------------------------|------------------------|------------------------------|--------------------------------|-----------------------------|--------------------|---------------|
| | | | | | | | | Protein 5 % | Oil 5 % |
| Charleston (dt1) | 44.7 | 15 | 2.7 | 1.2 | 23 | 1.6 | 13.1 | 41.6 | 19.9 |
| Flyer (IV) | 45.6 | 5 | 4.9 | 1.3 | 33 | 1.7 | 12.0 | 42.8 | 19.8 |
| Jack (SCN) | 42.7 | 27 | -0.8 | 2.1 | 37 | 2.1 | 12.0 | 40.5 | 20.6 |
| IA2007 BC (II) | 41.8 | 30 | -4.9 | 1.1 | 30 | 2.3 | 14.8 | 40.3 | 20.7 |
| Thorne (BSR) | 44.8 | 14 | 0.2 | 1.4 | 30 | 1.8 | 14.5 | 43.1 | 20.0 |
| LN88-10534 (III) | 45.7 | 3 | 09/21* | 1.2 | 32 | 1.7 | 13.7 | 42.2 | 20.2 |
| A92-726004 | 43.7 | 21 | 2.0 | 1.4 | 31 | 2.4 | 13.3 | 41.8 | 19.4 |
| A92-726034 | 45.4 | 9 | 1.2 | 1.4 | 31 | 2.0 | 14.2 | 40.6 | 20.1 |
| A93-652026 | 44.1 | 19 | -4.9 | 1.4 | 28 | 2.4 | 13.3 | 40.2 | 20.7 |
| A93-754028 | 46.1 | 1 | -1.4 | 1.5 | 31 | 2.2 | 14.0 | 39.3 | 20.0 |
| C1875 | 45.4 | 9 | -0.9 | 1.2 | 30 | 1.5 | 13.4 | 42.1 | 20.5 |
| HC86-130 | 41.8 | 30 | 5.6 | 1.1 | 21 | 1.8 | 13.7 | 41.5 | 19.9 |
| HC89-1389 | 42.8 | 26 | 4.0 | 1.2 | 22 | 1.7 | 13.9 | 41.3 | 20.2 |
| HC89-2232 | 45.5 | 7 | 4.5 | 1.4 | 36 | 1.9 | 12.7 | 41.6 | 19.7 |
| HC89-2436 | 45.4 | 9 | 4.9 | 1.6 | 36 | 1.9 | 12.7 | 41.3 | 19.3 |
| HF92-078 | 43.7 | 21 | 1.0 | 1.8 | 35 | 1.9 | 13.4 | 41.8 | 19.9 |
| HF92-080 | 43.8 | 20 | -0.7 | 1.4 | 32 | 1.7 | 14.0 | 41.4 | 20.1 |
| HF92-083 | 42.1 | 29 | 0.9 | 1.5 | 35 | 1.9 | 13.7 | 41.0 | 20.3 |
| HF92-178 | 42.6 | 28 | 2.2 | 1.5 | 36 | 1.8 | 13.1 | 40.6 | 20.2 |
| HS91-4523 | 44.5 | 17 | -0.3 | 1.3 | 32 | 1.8 | 15.7 | 41.4 | 20.8 |
| HS92-2683 | 44.6 | 16 | 2.0 | 1.4 | 33 | 1.5 | 13.9 | 43.0 | 20.3 |
| HS92-2684 | 45.5 | 7 | 2.2 | 1.5 | 35 | 1.6 | 13.7 | 42.3 | 20.3 |
| LN89-295 | 45.9 | 2 | 5.0 | 1.3 | 32 | 1.7 | 14.4 | 40.8 | 20.2 |
| LN89-334 | 45.4 | 9 | 1.9 | 1.3 | 30 | 1.5 | 12.2 | 41.7 | 19.8 |
| LN89-3619 | 45.7 | 3 | 3.3 | 1.5 | 32 | 1.7 | 13.6 | 41.2 | 21.0 |
| LN91-5895 | 44.3 | 18 | -0.3 | 1.7 | 37 | 1.9 | 13.8 | 40.9 | 20.4 |
| U92-3604 | 43.5 | 24 | 1.1 | 1.2 | 28 | 1.7 | 12.2 | 43.1 | 20.3 |
| U93-2412 | 45.6 | 5 | 0.9 | 1.3 | 35 | 2.1 | 14.9 | 41.7 | 20.3 |
| U93-3116 | 45.4 | 9 | 1.5 | 1.2 | 30 | 1.8 | 13.0 | 42.3 | 19.9 |
| U93-3122 | 43.7 | 21 | 1.7 | 1.3 | 30 | 1.9 | 13.1 | 40.5 | 19.6 |
| U93-3228 | 43.4 | 25 | 3.9 | 1.3 | 31 | 1.5 | 14.5 | 42.5 | 20.5 |

* 113.7 Days After Planting

UNIFORM TEST III, 1995

1994-1995 2-YEAR MEAN

| No. of Tests Strain | Yield 46 bu/a | Rank 46 No. | Maturity 40 Date | Lodging 50 Score | Plant Height 50 In. | Seed Quality 48 Score | Seed Size 47 g/100 | Composition | |
|------------------------|---------------------|-------------------|------------------------|------------------------|------------------------------|--------------------------------|-----------------------------|-------------------|---------------|
| | | | | | | | | Protein 9 % | Oil 9 % |
| Charleston (dt1) | 50.9 | 7 | 2.8 | 1.3 | 24 | 1.5 | 14.4 | 42.0 | 20.0 |
| Flyer (IV) | 50.6 | 8 | 5.4 | 1.4 | 34 | 1.6 | 13.3 | 42.6 | 20.2 |
| ↖ Macon | 53.6 | 1 | 4.7 | 1.5 | 33 | 1.6 | 16.3 | 41.0 | 20.2 |
| Iroquois (III) | 51.1 | 5 | 9/18.5* | 1.4 | 34 | 1.8 | 14.8 | 42.1 | 20.1 |
| Thorne (BSR) | 50.6 | 8 | 1.2 | 1.5 | 31 | 1.8 | 16.1 | 42.9 | 20.2 |
| C1875 | 51.1 | 5 | -1.0 | 1.3 | 31 | 1.4 | 14.6 | 42.0 | 20.3 |
| ↖ HC89-2232 | 51.7 | 2 | 5.0 | 1.6 | 37 | 1.7 | 13.8 | 41.8 | 20.2 |
| HS91-4523 | 50.0 | 11 | -0.2 | 1.4 | 34 | 1.7 | 17.3 | 41.8 | 20.7 |
| LN89-334 | 51.5 | 4 | 2.0 | 1.5 | 32 | 1.5 | 13.5 | 41.9 | 20.1 |
| ↖ LN89-3619 | 51.7 | 2 | 3.0 | 1.8 | 34 | 1.7 | 14.8 | 41.4 | 21.1 |
| U92-3604 | 50.4 | 10 | 1.6 | 1.3 | 30 | 1.6 | 13.6 | 43.3 | 20.2 |

* 117.8 Days After Planting

1993-1995 3-YEAR MEAN

| No. of Tests Strain | 70 | 70 | 60 | 74 | 74 | 71 | 70 | 14 | 14 |
|------------------------|------|----|---------|-----|----|-----|------|------|------|
| Charleston (dt1) | 50.3 | 3 | 3.5 | 1.4 | 24 | 1.6 | 14.4 | 42.0 | 20.0 |
| Flyer (IV) | 50.0 | 5 | 5.5 | 1.4 | 34 | 1.6 | 13.3 | 42.5 | 20.3 |
| ↖ Macon | 50.7 | 2 | 9/19.7* | 1.5 | 33 | 1.7 | 14.8 | 41.7 | 20.5 |
| ↖ Iroquois (III) | 53.1 | 1 | 4.7 | 1.6 | 33 | 1.6 | 16.3 | 40.9 | 20.4 |
| Thorne (BSR) | 50.1 | 4 | 1.5 | 1.5 | 31 | 1.8 | 16.2 | 42.6 | 20.5 |

* 119.5 Days After Planting

UNIFORM TEST III, 1995

YIELD (bu/a)

| Strain | Mean 21 Tests | George- town DE | Fair field IA | Griswold IA | Stuart IA | Newton* IL | Ridg- way IL |
|------------------|---------------------|-----------------------|---------------------|----------------|--------------|---------------|--------------------|
| Charleston (dtl) | 44.7 | 27.4 | 46.0 | 59.3 | 35.5 | 32.0 | 45.4 |
| Flyer (IV) | 45.6 | 27.1 | 48.5 | 55.7 | 40.1 | 24.5 | 43.1 |
| Jack (SCN) | 42.7 | 25.7 | 48.9 | 54.6 | 38.4 | 47.4 | 39.6 |
| IA2007 BC (II) | 41.8 | 24.6 | 51.3 | 55.4 | 42.9 | 37.6 | 31.1 |
| Thorne (BSR) | 44.8 | 33.0 | 47.0 | 52.8 | 37.6 | 33.1 | 46.7 |
| LN88-10534 (III) | 45.7 | 25.9 | 49.6 | 56.2 | 42.3 | 34.5 | 37.2 |
| A92-726004 | 43.7 | 23.1 | 50.1 | 53.8 | 38.6 | 46.8 | 46.8 |
| A92-726034 | 45.4 | 24.5 | 46.9 | 54.8 | 39.0 | 49.7 | 51.4 |
| A93-652026 | 44.1 | 27.7 | 54.7 | 60.8 | 40.4 | 29.2 | 32.3 |
| A93-754028 | 46.1 | 26.4 | 53.7 | 54.6 | 37.2 | 30.8 | 43.5 |
| C1875 | 45.4 | 22.3 | 48.8 | 54.6 | 41.6 | 41.3 | 46.3 |
| HC86-130 | 41.8 | 21.5 | 47.4 | 51.4 | 32.5 | 38.9 | 46.4 |
| HC89-1389 | 42.8 | 23.5 | 45.0 | 55.7 | 35.4 | 31.8 | 32.4 |
| HC89-2232 | 45.5 | 28.3 | 46.8 | 54.9 | 38.9 | 31.6 | 49.4 |
| HC89-2436 | 45.4 | 30.8 | 48.4 | 49.8 | 34.7 | 33.2 | 49.6 |
| HF92-078 | 43.7 | 26.2 | 44.4 | 56.8 | 36.4 | 31.7 | 36.0 |
| HF92-080 | 43.8 | 25.1 | 47.4 | 54.6 | 40.3 | 43.4 | 37.1 |
| HF92-083 | 42.1 | 24.3 | 43.8 | 53.8 | 38.9 | 33.1 | 38.8 |
| HF92-178 | 42.6 | 21.7 | 43.8 | 52.1 | 37.8 | 43.2 | 35.3 |
| HS91-4523 | 44.5 | 26.4 | 46.7 | 52.8 | 38.6 | 34.1 | 39.8 |
| HS92-2683 | 44.6 | 23.0 | 50.7 | 55.2 | 39.2 | 36.6 | 44.4 |
| HS92-2684 | 45.5 | 24.2 | 50.8 | 56.0 | 40.7 | 24.1 | 45.7 |
| LN89-295 | 45.9 | 26.5 | 47.3 | 53.8 | 39.0 | 50.6 | 55.3 |
| LN89-334 | 45.4 | 24.4 | 53.5 | 57.9 | 37.9 | 24.7 | 47.0 |
| LN89-3619 | 45.7 | 25.6 | 50.9 | 63.0 | 40.4 | 34.4 | 48.6 |
| LN91-5895 | 44.3 | 26.2 | 50.0 | 51.3 | 38.4 | 23.3 | 44.7 |
| U92-3604 | 43.5 | 26.1 | 46.4 | 57.5 | 39.1 | 24.4 | 44.0 |
| U93-2412 | 45.6 | 16.9 | 53.5 | 58.1 | 43.2 | 30.3 | 41.9 |
| U93-3116 | 45.4 | 28.3 | 52.6 | 58.5 | 38.8 | 32.0 | 38.5 |
| U93-3122 | 43.7 | 25.4 | 44.9 | 55.6 | 43.3 | 36.0 | 42.1 |
| U93-3228 | 43.4 | 27.1 | 48.3 | 56.0 | 40.1 | 25.2 | 43.7 |
| C.V. (%) | | 15.9 | 7.6 | 7.3 | 7.8 | 27.1 | 10.1 |
| L.S.D. (5%) | | 6.6 | 6.1 | 6.7 | 5.0 | ns | 7.0 |
| Row Sp. (in.) | | 15 | 27 | 27 | 27 | 30 | 30 |
| Rows/Plot | | 5 | 4 | 4 | 4 | 4 | 4 |
| Reps | | 3 | 3 | 3 | 3 | 3 | 3 |

* Data not included in the mean.

UNIFORM TEST III, 1995

YIELD (bu/a)

| Strain | Urbana IL | Bluff-* ton IN | Lafay- ette IN | Man- hattan KS | Pow- hattan KS | Topeka KS | Lexing- ton KY |
|------------------|--------------|----------------------|----------------------|----------------------|----------------------|--------------|----------------------|
| Charleston (dt1) | 64.2 | 30.6 | 44.6 | 54.1 | 23.7 | 50.2 | 45.1 |
| Flyer (IV) | 62.7 | 28.1 | 43.3 | 52.3 | 28.5 | 54.1 | 48.8 |
| Jack (SCN) | 66.5 | 33.5 | 42.0 | 47.7 | 27.2 | 50.4 | 37.7 |
| IA2007 BC (II) | 64.4 | 32.4 | 38.0 | 48.9 | 22.3 | 50.3 | 38.4 |
| Thorne (BSR) | 65.4 | 35.3 | 41.2 | 52.2 | 26.2 | 50.4 | 45.0 |
| LN88-10534 (III) | 68.3 | 31.8 | 42.4 | 48.4 | 25.8 | 52.3 | 48.5 |
| A92-726004 | 62.1 | 38.8 | 45.9 | 47.4 | 26.4 | 46.0 | 42.8 |
| A92-726034 | 68.9 | 27.2 | 43.1 | 50.9 | 23.9 | 48.8 | 44.7 |
| A93-652026 | 70.3 | 22.0 | 39.8 | 50.9 | 25.3 | 49.2 | 37.5 |
| A93-754028 | 72.9 | 33.4 | 38.5 | 53.1 | 27.9 | 51.6 | 45.8 |
| C1875 | 68.0 | 37.3 | 44.9 | 47.5 | 25.2 | 53.6 | 41.1 |
| HC86-130 | 61.6 | 32.4 | 41.1 | 42.1 | 18.9 | 45.0 | 50.2 |
| HC89-1389 | 63.4 | 38.6 | 46.0 | 48.0 | 23.0 | 47.7 | 48.9 |
| HC89-2232 | 67.0 | 33.5 | 43.5 | 46.6 | 28.9 | 50.3 | 50.7 |
| HC89-2436 | 64.9 | 38.7 | 46.8 | 46.9 | 27.8 | 52.0 | 49.0 |
| HF92-078 | 62.8 | 30.0 | 37.9 | 45.0 | 29.2 | 55.1 | 46.7 |
| HF92-080 | 63.0 | 29.1 | 42.8 | 52.3 | 27.1 | 50.2 | 43.7 |
| HF92-083 | 61.6 | 32.1 | 36.5 | 49.4 | 27.0 | 48.7 | 45.3 |
| HF92-178 | 63.0 | 36.9 | 38.1 | 53.1 | 26.6 | 48.6 | 46.9 |
| HS91-4523 | 66.2 | 35.2 | 40.6 | 50.5 | 25.9 | 48.1 | 44.9 |
| HS92-2683 | 69.3 | 33.6 | 40.9 | 49.7 | 21.6 | 53.4 | 44.0 |
| HS92-2684 | 67.9 | 34.6 | 39.3 | 51.7 | 24.3 | 52.5 | 45.2 |
| LN89-295 | 63.3 | 43.1 | 41.9 | 52.7 | 26.7 | 52.9 | 49.8 |
| LN89-334 | 66.4 | 31.4 | 43.7 | 52.7 | 29.3 | 52.9 | 45.2 |
| LN89-3619 | 68.3 | 30.4 | 46.4 | 48.8 | 25.2 | 53.4 | 43.4 |
| LN91-5895 | 65.5 | 27.6 | 39.7 | 50.2 | 26.0 | 55.2 | 42.9 |
| U92-3604 | 67.1 | 25.6 | 38.7 | 45.5 | 27.1 | 49.2 | 44.5 |
| U93-2412 | 66.8 | 33.3 | 38.5 | 57.6 | 29.4 | 48.5 | 38.8 |
| U93-3116 | 68.9 | 27.0 | 38.6 | 52.6 | 30.8 | 46.1 | 48.7 |
| U93-3122 | 61.1 | 21.5 | 45.3 | 51.8 | 30.0 | 39.8 | 47.8 |
| U93-3228 | 63.2 | 27.6 | 40.6 | 50.4 | 24.1 | 46.6 | 42.8 |
| C.V. (%) | 4.0 | 28.9 | 8.4 | 8.1 | | 6.6 | 7.0 |
| L.S.D. (5%) | 4.2 | 15.1 | 5.7 | 6.5 | | 5.4 | 3.3 |
| Row Sp. (in.) | 30 | 26 | 24 | 30 | 30 | 30 | 30 |
| Rows/Plot | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Reps | 3 | 3 | 3 | 3 | 3 | 2 | 3 |

* Data not included in the mean.

UNIFORM TEST III, 1995

YIELD (bu/a)

| Strain | Queens- town MD | Colum- bia MO | David City NE | Falls City NE | Tekamah NE | Adelphia NJ |
|------------------|-----------------------|---------------------|---------------------|---------------------|---------------|----------------|
| Charleston (dtl) | 36.0 | 31.3 | 43.3 | 33.9 | 66.5 | 23.4 |
| Flyer (IV) | 29.8 | 37.0 | 42.5 | 42.0 | 60.0 | 31.7 |
| Jack (SCN) | 28.9 | 31.8 | 42.2 | 38.2 | 60.9 | 27.0 |
| IA2007 BC (II) | 33.3 | 29.2 | 43.7 | 31.7 | 61.1 | 26.3 |
| Thorne (BSR) | 29.5 | 33.3 | 43.1 | 44.3 | 63.8 | 21.4 |
| LN88-10534 (III) | 31.0 | 41.4 | 47.9 | 47.0 | 65.1 | 30.4 |
| A92-726004 | 30.2 | 37.6 | 41.4 | 39.8 | 62.8 | 27.3 |
| A92-726034 | 29.5 | 37.4 | 45.1 | 43.1 | 69.0 | 22.2 |
| A93-652026 | 27.3 | 33.8 | 45.5 | 33.4 | 63.1 | 28.0 |
| A93-754028 | 32.9 | 31.4 | 48.6 | 44.2 | 66.4 | 24.7 |
| C1875 | 31.8 | 38.8 | 43.0 | 40.5 | 67.5 | 23.4 |
| HC86-130 | 28.4 | 38.8 | 40.4 | 35.4 | 55.9 | 27.1 |
| HC89-1389 | 25.3 | 32.9 | 40.9 | 42.3 | 58.8 | 27.5 |
| HC89-2232 | 29.6 | 41.0 | 38.7 | 42.5 | 66.2 | 33.6 |
| HC89-2436 | 30.6 | 44.4 | 38.1 | 41.4 | 61.8 | 28.7 |
| HF92-078 | 31.0 | 31.7 | 39.6 | 47.2 | 59.9 | 24.7 |
| HF92-080 | 33.4 | 33.8 | 43.5 | 44.6 | 60.4 | 27.4 |
| HF92-083 | 29.7 | 32.9 | 39.4 | 46.4 | 59.6 | 24.1 |
| HF92-178 | 27.3 | 32.4 | 39.8 | 43.8 | 59.3 | 25.4 |
| HS91-4523 | 34.7 | 38.6 | 44.8 | 44.2 | 62.5 | 26.6 |
| HS92-2683 | 31.3 | 33.9 | 42.9 | 41.4 | 63.6 | 24.7 |
| HS92-2684 | 31.8 | 35.8 | 45.6 | 39.2 | 60.8 | 28.4 |
| LN89-295 | 28.7 | 42.4 | 44.3 | 45.7 | 62.6 | 31.4 |
| LN89-334 | 34.3 | 34.4 | 44.2 | 42.1 | 68.8 | 29.6 |
| LN89-3619 | 33.0 | 34.8 | 41.7 | 46.9 | 63.0 | 27.7 |
| LN91-5895 | 29.5 | 37.2 | 43.2 | 41.7 | 63.4 | 29.9 |
| U92-3604 | 33.4 | 33.6 | 41.0 | 33.8 | 62.1 | 35.5 |
| U93-2412 | 42.5 | 33.8 | 43.7 | 37.1 | 68.3 | 29.6 |
| U93-3116 | 30.0 | 37.1 | 43.3 | 35.3 | 65.0 | 34.5 |
| U93-3122 | 33.0 | 40.1 | 40.8 | 35.7 | 66.9 | 23.0 |
| U93-3228 | 30.4 | 35.5 | 42.0 | 38.6 | 61.1 | 28.8 |
| C.V. (%) | 12.8 | 9.3 | 5.5 | 12.1 | 4.4 | 17.9 |
| L.S.D. (5%) | 6.5 | 5.5 | 6.7 | 9.9 | 5.6 | 8.0 |
| Row Sp. (in.) | 30 | 30 | 30 | 30 | 30 | 30 |
| Rows/Plot | 4 | 4 | 4 | 4 | 4 | 4 |
| Reps | 3 | 3 | 3 | 3 | 3 | 3 |

UNIFORM TEST III, 1995

YIELD (bu/a)

| Strain | South | | | | |
|------------------|-----------------|-----------------|------------------|---------------|-----------------|
| | Hoytville OH | Mt. Orab* OH | Charleston OH | Wooster OH | Elk Point SD |
| Charleston (dtl) | 40.4 | 28.5 | 69.2 | 56.5 | 42.0 |
| Flyer (IV) | 44.6 | 25.3 | 72.9 | 54.4 | 39.1 |
| Jack (SCN) | 36.9 | 16.7 | 70.9 | 42.0 | 39.0 |
| IA2007 BC (II) | 43.8 | 23.8 | 59.3 | 43.8 | 38.8 |
| Thorne (BSR) | 43.2 | 28.9 | 68.9 | 57.3 | 38.7 |
| LN88-10534 (III) | 46.2 | 28.6 | 64.2 | 47.6 | 41.5 |
| A92-726004 | 46.4 | 26.1 | 68.2 | 48.2 | 32.5 |
| A92-726034 | 43.6 | 15.4 | 69.6 | 58.4 | 38.5 |
| A93-652026 | 47.4 | 20.0 | 71.6 | 50.2 | 36.6 |
| A93-754028 | 44.0 | 24.1 | 71.9 | 59.4 | 38.4 |
| C1875 | 49.8 | 30.6 | 69.6 | 52.9 | 42.5 |
| HC86-130 | 39.3 | 32.1 | 69.2 | 49.1 | 36.4 |
| HC89-1389 | 48.3 | 32.0 | 69.2 | 46.0 | 39.4 |
| HC89-2232 | 37.2 | 17.4 | 65.4 | 55.0 | 41.0 |
| HC89-2436 | 40.6 | 15.7 | 73.7 | 56.8 | 36.3 |
| HF92-078 | 47.8 | 19.4 | 69.6 | 53.3 | 37.4 |
| HF92-080 | 43.2 | 23.1 | 62.2 | 49.8 | 37.4 |
| HF92-083 | 41.5 | 24.5 | 59.3 | 47.0 | 37.0 |
| HF92-178 | 45.4 | 21.9 | 66.0 | 50.7 | 37.7 |
| HS91-4523 | 42.6 | 20.1 | 68.5 | 51.9 | 39.4 |
| HS92-2683 | 41.4 | 28.1 | 71.8 | 56.9 | 37.4 |
| HS92-2684 | 43.0 | 30.3 | 77.4 | 56.2 | 39.3 |
| LN89-295 | 43.3 | 27.3 | 67.5 | 49.1 | 40.7 |
| LN89-334 | 44.7 | 24.6 | 49.2 | 52.9 | 43.0 |
| LN89-3619 | 39.6 | 28.1 | 69.4 | 51.0 | 39.6 |
| LN91-5895 | 38.5 | 16.6 | 66.8 | 46.2 | 42.9 |
| U92-3604 | 42.1 | 17.6 | 64.6 | 45.7 | 37.1 |
| U93-2412 | 42.2 | 20.1 | 75.2 | 53.7 | 37.9 |
| U93-3116 | 42.5 | 23.8 | 70.5 | 52.3 | 40.4 |
| U93-3122 | 38.2 | 24.9 | 67.2 | 48.5 | 38.2 |
| U93-3228 | 42.8 | 23.7 | 65.7 | 50.7 | 33.9 |
| C.V. (%) | 10.4 | 23.1 | 9.9 | 8.7 | 6.3 |
| L.S.D. (5%) | 7.3 | 10.0 | 13.8 | 7.3 | 3.3 |
| Row Sp. (in.) | 30 | 15 | 7.5 | 30 | 30 |
| Rows/Plot | 4 | 6 | 8 | 4 | 4 |
| Reps | 2 | 3 | 2 | 3 | 3 |

* Data not included in the mean.

UNIFORM TEST III, 1995

YIELD RANK

| Strain | Yield Rank | George-town DE | Fair field IA | Griswold IA | Stuart IA | Newton IL | Ridg-way IL |
|------------------|------------|----------------|---------------|-------------|-----------|-----------|-------------|
| Charleston (dt1) | 15 | 6 | 26 | 3 | 28 | 18 | 12 |
| Flyer (IV) | 5 | 7 | 15 | 12 | 10 | 29 | 18 |
| Jack (SCN) | 27 | 16 | 13 | 19 | 21 | 3 | 22 |
| IA2007 BC (II) | 30 | 20 | 6 | 15 | 3 | 9 | 31 |
| Thorne (BSR) | 14 | 1 | 21 | 26 | 25 | 16 | 8 |
| LN88-10534 (III) | 3 | 13 | 12 | 9 | 4 | 12 | 25 |
| A92-726004 | 21 | 26 | 10 | 23 | 19 | 4 | 7 |
| A92-726034 | 9 | 21 | 22 | 18 | 14 | 2 | 2 |
| A93-652026 | 19 | 5 | 1 | 2 | 7 | 25 | 30 |
| A93-754028 | 1 | 11 | 2 | 19 | 26 | 23 | 17 |
| C1875 | 9 | 28 | 14 | 19 | 5 | 7 | 10 |
| HC86-130 | 30 | 30 | 18 | 29 | 31 | 8 | 9 |
| HC89-1389 | 26 | 25 | 27 | 12 | 29 | 20 | 29 |
| HC89-2232 | 7 | 3 | 23 | 17 | 16 | 22 | 4 |
| HC89-2436 | 9 | 2 | 16 | 31 | 30 | 15 | 3 |
| HF92-078 | 21 | 12 | 29 | 8 | 27 | 21 | 27 |
| HF92-080 | 20 | 19 | 18 | 19 | 9 | 5 | 26 |
| HF92-083 | 29 | 23 | 30 | 23 | 16 | 16 | 23 |
| HF92-178 | 28 | 29 | 30 | 28 | 24 | 6 | 28 |
| HS91-4523 | 17 | 10 | 24 | 26 | 19 | 14 | 21 |
| HS92-2683 | 16 | 27 | 9 | 16 | 12 | 10 | 14 |
| HS92-2684 | 7 | 24 | 8 | 10 | 6 | 26 | 11 |
| LN89-295 | 2 | 9 | 20 | 23 | 14 | 1 | 1 |
| LN89-334 | 9 | 22 | 3 | 6 | 23 | 28 | 6 |
| LN89-3619 | 3 | 17 | 7 | 1 | 7 | 13 | 5 |
| LN91-5895 | 18 | 12 | 11 | 30 | 21 | 31 | 13 |
| U92-3604 | 24 | 14 | 25 | 7 | 13 | 30 | 15 |
| U93-2412 | 5 | 31 | 3 | 5 | 2 | 24 | 20 |
| U93-3116 | 9 | 3 | 5 | 4 | 18 | 18 | 24 |
| U93-3122 | 21 | 18 | 28 | 14 | 1 | 11 | 19 |
| U93-3228 | 25 | 7 | 17 | 10 | 10 | 27 | 16 |

UNIFORM TEST III, 1995

YIELD RANK

| Strain | Urbana IL | Bluff- ton IN | Lafay- ette IN | Man- hattan KS | Pow- hattan KS | Topeka KS | Lexing- ton KY |
|------------------|--------------|---------------------|----------------------|----------------------|----------------------|--------------|----------------------|
| Charleston (dtl) | 20 | 20 | 7 | 2 | 27 | 17 | 16 |
| Flyer (IV) | 27 | 24 | 10 | 8 | 7 | 3 | 6 |
| Jack (SCN) | 13 | 11 | 14 | 24 | 10 | 13 | 30 |
| IA2007 BC (II) | 19 | 15 | 29 | 20 | 29 | 15 | 29 |
| Thorne (BSR) | 17 | 7 | 16 | 10 | 17 | 13 | 17 |
| LN88-10534 (III) | 6 | 18 | 13 | 22 | 20 | 10 | 8 |
| A92-726004 | 28 | 2 | 4 | 26 | 14 | 29 | 25 |
| A92-726034 | 4 | 27 | 11 | 13 | 26 | 21 | 19 |
| A93-652026 | 2 | 30 | 21 | 13 | 21 | 19 | 31 |
| A93-754028 | 1 | 13 | 26 | 3 | 8 | 12 | 12 |
| C1875 | 8 | 5 | 6 | 25 | 22 | 4 | 27 |
| HC86-130 | 29 | 15 | 17 | 31 | 31 | 30 | 2 |
| HC89-1389 | 21 | 4 | 3 | 23 | 28 | 26 | 5 |
| HC89-2232 | 11 | 11 | 9 | 28 | 6 | 15 | 1 |
| HC89-2436 | 18 | 3 | 1 | 27 | 9 | 11 | 4 |
| HF92-078 | 26 | 22 | 30 | 30 | 5 | 2 | 11 |
| HF92-080 | 24 | 23 | 12 | 8 | 11 | 17 | 22 |
| HF92-083 | 29 | 17 | 31 | 19 | 13 | 22 | 13 |
| HF92-178 | 24 | 6 | 28 | 3 | 16 | 23 | 10 |
| HS91-4523 | 15 | 8 | 19 | 15 | 19 | 25 | 18 |
| HS92-2683 | 3 | 10 | 18 | 18 | 30 | 5 | 21 |
| HS92-2684 | 9 | 9 | 23 | 12 | 24 | 9 | 14 |
| LN89-295 | 22 | 1 | 15 | 5 | 15 | 7 | 3 |
| LN89-334 | 14 | 19 | 8 | 5 | 4 | 7 | 14 |
| LN89-3619 | 6 | 21 | 2 | 21 | 22 | 5 | 23 |
| LN91-5895 | 16 | 25 | 22 | 17 | 18 | 1 | 24 |
| U92-3604 | 10 | 29 | 24 | 29 | 11 | 19 | 20 |
| U93-2412 | 12 | 14 | 26 | 1 | 3 | 24 | 28 |
| U93-3116 | 4 | 28 | 25 | 7 | 1 | 28 | 7 |
| U93-3122 | 31 | 31 | 5 | 11 | 2 | 31 | 9 |
| U93-3228 | 23 | 25 | 19 | 16 | 25 | 27 | 25 |

UNIFORM TEST III, 1995

YIELD RANK

| Strain | Queens- town MD | Colum- bia MO | David City NE | Falls City NE | Tekamah NE | Adelphia NJ |
|------------------|-----------------------|---------------------|---------------------|---------------------|---------------|----------------|
| Charleston (dtl) | 2 | 30 | 13 | 28 | 6 | 27 |
| Flyer (IV) | 20 | 13 | 18 | 15 | 26 | 4 |
| Jack (SCN) | 26 | 27 | 19 | 23 | 23 | 19 |
| IA2007 BC (II) | 7 | 31 | 9 | 31 | 22 | 21 |
| Thorne (BSR) | 23 | 23 | 15 | 7 | 11 | 31 |
| LN88-10534 (III) | 14 | 3 | 2 | 2 | 9 | 6 |
| A92-726004 | 18 | 9 | 22 | 20 | 16 | 17 |
| A92-726034 | 23 | 10 | 5 | 11 | 1 | 30 |
| A93-652026 | 29 | 19 | 4 | 30 | 14 | 13 |
| A93-754028 | 10 | 29 | 1 | 8 | 7 | 23 |
| C1875 | 11 | 6 | 16 | 19 | 4 | 27 |
| HC86-130 | 28 | 6 | 26 | 26 | 31 | 18 |
| HC89-1389 | 31 | 24 | 24 | 13 | 30 | 15 |
| HC89-2232 | 22 | 4 | 30 | 12 | 8 | 3 |
| HC89-2436 | 16 | 1 | 31 | 18 | 20 | 11 |
| HF92-078 | 14 | 28 | 28 | 1 | 27 | 23 |
| HF92-080 | 5 | 19 | 11 | 6 | 25 | 16 |
| HF92-083 | 21 | 24 | 29 | 4 | 28 | 26 |
| HF92-178 | 29 | 26 | 27 | 10 | 29 | 22 |
| HS91-4523 | 3 | 8 | 6 | 9 | 18 | 20 |
| HS92-2683 | 13 | 18 | 17 | 17 | 12 | 23 |
| HS92-2684 | 11 | 14 | 3 | 21 | 24 | 12 |
| LN89-295 | 27 | 2 | 7 | 5 | 17 | 5 |
| LN89-334 | 4 | 17 | 8 | 14 | 2 | 8 |
| LN89-3619 | 8 | 16 | 21 | 3 | 15 | 14 |
| LN91-5895 | 23 | 11 | 14 | 16 | 13 | 7 |
| U92-3604 | 5 | 22 | 23 | 29 | 19 | 1 |
| U93-2412 | 1 | 19 | 10 | 24 | 3 | 8 |
| U93-3116 | 19 | 12 | 12 | 27 | 10 | 2 |
| U93-3122 | 8 | 5 | 25 | 25 | 5 | 29 |
| U93-3228 | 17 | 15 | 20 | 22 | 21 | 10 |

UNIFORM TEST III, 1995

YIELD RANK

| Strain | South | | | | |
|------------------|-----------------|----------------|------------------|---------------|-----------------|
| | Hoytville OH | Mt. Orab OH | Charleston OH | Wooster OH | Elk Point SD |
| Charleston (dt1) | 25 | 7 | 14 | 6 | 4 |
| Flyer (IV) | 9 | 12 | 4 | 9 | 13 |
| Jack (SCN) | 31 | 28 | 8 | 31 | 14 |
| IA2007 BC (II) | 11 | 17 | 29 | 30 | 15 |
| Thorne (BSR) | 14 | 5 | 17 | 3 | 16 |
| LN88-10534 (III) | 6 | 6 | 27 | 25 | 5 |
| A92-726004 | 5 | 11 | 19 | 24 | 31 |
| A92-726034 | 12 | 31 | 10 | 2 | 17 |
| A93-652026 | 4 | 24 | 7 | 19 | 27 |
| A93-754028 | 10 | 16 | 5 | 1 | 18 |
| C1875 | 1 | 3 | 10 | 12 | 3 |
| HC86-130 | 27 | 1 | 14 | 21 | 28 |
| HC89-1389 | 2 | 2 | 14 | 28 | 10 |
| HC89-2232 | 30 | 27 | 25 | 8 | 6 |
| HC89-2436 | 24 | 30 | 3 | 5 | 29 |
| HF92-078 | 3 | 25 | 10 | 11 | 22 |
| HF92-080 | 14 | 20 | 28 | 20 | 22 |
| HF92-083 | 22 | 15 | 29 | 26 | 26 |
| HF92-178 | 7 | 21 | 23 | 17 | 21 |
| HS91-4523 | 18 | 22 | 18 | 15 | 10 |
| HS92-2683 | 23 | 8 | 6 | 4 | 22 |
| HS92-2684 | 16 | 4 | 1 | 7 | 12 |
| LN89-295 | 13 | 10 | 20 | 21 | 7 |
| LN89-334 | 8 | 14 | 31 | 12 | 1 |
| LN89-3619 | 26 | 8 | 13 | 16 | 9 |
| LN91-5895 | 28 | 29 | 22 | 27 | 2 |
| U92-3604 | 21 | 26 | 26 | 29 | 25 |
| U93-2412 | 20 | 22 | 2 | 10 | 20 |
| U93-3116 | 19 | 17 | 9 | 14 | 8 |
| U93-3122 | 29 | 13 | 21 | 23 | 19 |
| U93-3228 | 17 | 19 | 24 | 17 | 30 |

UNIFORM TEST III, 1995

MATURITY (date)

| Strain | Mean 19 Tests | George- town DE | Fair field IA | Griswold IA | Stuart IA | Newton IL | Ridg- way IL |
|------------------|---------------------|-----------------------|---------------------|----------------|--------------|--------------|--------------------|
| Charleston (dt1) | 2.7 | 2 | | | 3 | 2 | 3 |
| Flyer (IV) | 4.9 | 5 | | | 7 | 2 | 6 |
| Jack (SCN) | -0.8 | 0 | | | -1 | 0 | -2 |
| IA2007 BC (II) | -4.9 | -1 | | | -3 | -4 | -6 |
| Thorne (BSR) | 0.2 | -1 | | | -1 | 0 | 3 |
| LN88-10534 (III) | 09/21 | 09/12 | | | 10/02 | 09/19 | 09/10 |
| A92-726004 | 2.0 | 1 | | | 1 | 3 | 5 |
| A92-726034 | 1.2 | 2 | | | 0 | 1 | 3 |
| A93-652026 | -4.9 | -5 | | | -3 | -5 | -5 |
| A93-754028 | -1.4 | 0 | | | 0 | -4 | -1 |
| C1875 | -0.9 | -1 | | | 0 | 0 | 3 |
| HC86-130 | 5.6 | 2 | | | 4 | 4 | 7 |
| HC89-1389 | 4.0 | 2 | | | 3 | 2 | 3 |
| HC89-2232 | 4.5 | 1 | | | 4 | 3 | 9 |
| HC89-2436 | 4.9 | 2 | | | 4 | 4 | 9 |
| HF92-078 | 1.0 | -1 | | | 2 | 2 | 1 |
| HF92-080 | -0.7 | 1 | | | 0 | 1 | 0 |
| HF92-083 | 0.9 | 0 | | | 1 | 0 | 3 |
| HF92-178 | 2.2 | 2 | | | 3 | 2 | 1 |
| HS91-4523 | -0.3 | 0 | | | 0 | 0 | 1 |
| HS92-2683 | 2.0 | 4 | | | 2 | 1 | 3 |
| HS92-2684 | 2.2 | 3 | | | 3 | 0 | 6 |
| LN89-295 | 5.0 | 5 | | | 5 | 6 | 9 |
| LN89-334 | 1.9 | -1 | | | 3 | 0 | 3 |
| LN89-3619 | 3.3 | 1 | | | 3 | 2 | 6 |
| LN91-5895 | -0.3 | 2 | | | 1 | -2 | 4 |
| U92-3604 | 1.1 | 2 | | | 2 | -2 | 3 |
| U93-2412 | 0.9 | 2 | | | 2 | 0 | 2 |
| U93-3116 | 1.5 | 4 | | | 2 | 2 | 3 |
| U93-3122 | 1.7 | 3 | | | 1 | 3 | 3 |
| U93-3228 | 3.9 | 3 | | | 5 | 4 | 5 |
| Date Planted | 05/30 | 05/31 | | | 06/13 | 06/13 | 05/31 |
| Days to Mature | 113.7 | 104 | | | 111 | 98 | 102 |

UNIFORM TEST III, 1995

MATURITY (date)

| Strain | Urbana IL | Bluff- ton IN | Lafay- ette IN | Man- hattan KS | Pow- hattan KS | Topeka KS | Lexing- ton KY |
|------------------|--------------|---------------------|----------------------|----------------------|----------------------|--------------|----------------------|
| Charleston (dtl) | 5 | 0 | 5 | 4 | | 4 | 0 |
| Flyer (IV) | 3 | 2 | 6 | 4 | | 4 | 1 |
| Jack (SCN) | -2 | 1 | -1 | -3 | | -2 | 0 |
| IA2007 BC (II) | -7 | -6 | -7 | -4 | | -5 | -6 |
| Thorne (BSR) | 1 | -3 | 0 | 1 | | 0 | 0 |
| LN88-10534 (III) | 09/27 | 09/25 | 09/22 | 10/02 | | 09/29 | 09/11 |
| A92-726004 | 2 | 1 | 3 | 2 | | 2 | 1 |
| A92-726034 | 0 | 1 | 1 | 0 | | 1 | 0 |
| A93-652026 | -2 | -8 | -7 | -1 | | -4 | 0 |
| A93-754028 | 0 | -4 | -4 | 0 | | 0 | 0 |
| C1875 | -2 | -3 | 0 | -1 | | -3 | -4 |
| HC86-130 | 6 | 5 | 6 | 3 | | 6 | 4 |
| HC89-1389 | 6 | 1 | 6 | 5 | | 5 | 1 |
| HC89-2232 | 4 | 3 | 6 | 6 | | 1 | 1 |
| HC89-2436 | 6 | 2 | 6 | 4 | | 2 | 4 |
| HF92-078 | 3 | 0 | 2 | 2 | | 1 | -1 |
| HF92-080 | -2 | -4 | 0 | 0 | | 0 | -2 |
| HF92-083 | 0 | -1 | 1 | 0 | | -1 | 0 |
| HF92-178 | 2 | -1 | 2 | 4 | | 1 | 1 |
| HS91-4523 | 0 | 1 | -3 | -2 | | 0 | 0 |
| HS92-2683 | 2 | 1 | 3 | 3 | | 1 | 1 |
| HS92-2684 | 2 | 1 | 3 | 3 | | 1 | 1 |
| LN89-295 | 3 | 1 | 6 | 6 | | 5 | 1 |
| LN89-334 | 3 | 1 | 2 | 1 | | 1 | 0 |
| LN89-3619 | 6 | 1 | 5 | 5 | | 3 | 0 |
| LN91-5895 | 0 | 1 | -6 | 1 | | -1 | 1 |
| U92-3604 | 0 | 0 | 1 | -1 | | 0 | -1 |
| U93-2412 | 0 | 1 | -2 | 4 | | 0 | -1 |
| U93-3116 | 2 | 0 | 0 | 3 | | 0 | 1 |
| U93-3122 | 1 | 1 | 1 | 2 | | 0 | 1 |
| U93-3228 | 3 | 3 | 3 | 3 | | 4 | 0 |
| Date Planted | 06/02 | 06/05 | 06/05 | 06/14 | | 05/30 | 05/24 |
| Days to Mature | 117 | 112 | 109 | 110 | | 122 | 110 |

UNIFORM TEST III, 1995

MATURITY (date)

| Strain | Queens- town MD | Colum- bia MO | David City NE | Falls City NE | Tekamah NE | Adelphia NJ |
|------------------|-----------------------|---------------------|---------------------|---------------------|---------------|----------------|
| Charleston (dt1) | 2 | -1 | | 2 | 5 | 2 |
| Flyer (IV) | 5 | 7 | | 5 | 6 | 4 |
| Jack (SCN) | 1 | -7 | | 0 | 1 | -1 |
| IA2007 BC (II) | -5 | -8 | | -8 | -2 | -7 |
| Thorne (BSR) | 2 | -2 | | -2 | 3 | 0 |
| LN88-10534 (III) | 09/15 | 09/26 | | 09/28 | 09/26 | 09/28 |
| A92-726004 | 1 | -1 | | 1 | 4 | 2 |
| A92-726034 | 1 | 3 | | 1 | 4 | -1 |
| A93-652026 | -7 | -8 | | -8 | -7 | -8 |
| A93-754028 | -1 | -8 | | -1 | 1 | -2 |
| C1875 | 0 | 0 | | -4 | 1 | -2 |
| HC86-130 | 5 | 6 | | 4 | 9 | 5 |
| HC89-1389 | 4 | 3 | | 5 | 5 | 3 |
| HC89-2232 | 2 | 6 | | 2 | 4 | 4 |
| HC89-2436 | 5 | 7 | | 2 | 4 | 4 |
| HF92-078 | 0 | 1 | | 0 | 2 | 2 |
| HF92-080 | 0 | -2 | | -1 | 0 | -1 |
| HF92-083 | 0 | 2 | | 1 | 1 | 2 |
| HF92-178 | 1 | 4 | | 1 | 4 | 3 |
| HS91-4523 | 0 | -4 | | -1 | 0 | 0 |
| HS92-2683 | 2 | 0 | | 1 | 6 | 2 |
| HS92-2684 | 1 | 1 | | 1 | 4 | 3 |
| LN89-295 | 5 | 8 | | 5 | 5 | 4 |
| LN89-334 | 1 | 3 | | 4 | 4 | 2 |
| LN89-3619 | 6 | 4 | | 3 | 5 | 3 |
| LN91-5895 | 0 | -2 | | 0 | 0 | 4 |
| U92-3604 | 0 | 2 | | -1 | 3 | 2 |
| U93-2412 | 3 | -5 | | 1 | 4 | 1 |
| U93-3116 | 1 | -1 | | -2 | 1 | 1 |
| U93-3122 | 2 | 1 | | 0 | 1 | 3 |
| U93-3228 | 5 | 3 | | 5 | 6 | 4 |
| Date Planted | 05/31 | 06/22 | | 05/22 | 05/18 | 06/19 |
| Days to Mature | 107 | 96 | | 129 | 131 | 101 |

UNIFORM TEST III, 1995

MATURITY (date)

| Strain | South | | | | |
|------------------|-----------------|----------------|------------------|---------------|-----------------|
| | Hoytville OH | Mt. Orab OH | Charleston OH | Wooster OH | Elk Point SD |
| Charleston (dt1) | 8 | 2 | 2 | 2 | |
| Flyer (IV) | 9 | 5 | 7 | 5 | |
| Jack (SCN) | 1 | -3 | 0 | 3 | |
| IA2007 BC (II) | -2 | -7 | -4 | -2 | |
| Thorne (BSR) | 4 | -3 | 1 | 0 | |
| LN88-10534 (III) | 09/16 | 09/15 | 09/18 | 09/13 | |
| A92-726004 | 2 | 0 | 5 | 3 | |
| A92-726034 | 6 | -1 | 0 | 1 | |
| A93-652026 | -1 | -8 | -4 | -2 | |
| A93-754028 | 1 | -5 | 0 | 1 | |
| C1875 | -1 | 0 | 0 | -1 | |
| HC86-130 | 9 | 9 | 7 | 5 | |
| HC89-1389 | 8 | 6 | 6 | 2 | |
| HC89-2232 | 9 | 10 | 7 | 4 | |
| HC89-2436 | 9 | 8 | 7 | 5 | |
| HF92-078 | 2 | -2 | 1 | 2 | |
| HF92-080 | 0 | -3 | 0 | 0 | |
| HF92-083 | 8 | -1 | 0 | 1 | |
| HF92-178 | 9 | -1 | 2 | 2 | |
| HS91-4523 | 0 | 0 | 2 | 1 | |
| HS92-2683 | 0 | 1 | 3 | 2 | |
| HS92-2684 | 1 | 1 | 5 | 1 | |
| LN89-295 | 9 | 3 | 5 | 4 | |
| LN89-334 | 6 | -1 | 1 | 3 | |
| LN89-3619 | 8 | 0 | 2 | 0 | |
| LN91-5895 | -1 | -3 | -4 | 0 | |
| U92-3604 | 3 | 2 | 3 | 2 | |
| U93-2412 | 4 | 0 | 1 | 0 | |
| U93-3116 | 4 | 3 | 2 | 3 | |
| U93-3122 | 1 | 3 | 4 | 1 | |
| U93-3228 | 2 | 6 | 7 | 4 | |
| Date Planted | 05/22 | 05/23 | 04/28 | 05/01 | |
| Days to Mature | 117 | 115 | 143 | 135 | |

UNIFORM TEST III, 1995

LODGING (score)

| Strain | Mean 24 Tests | George- town DE | Fair field IA | Griswold IA | Stuart IA | Newton IL | Ridg- way IL |
|------------------|---------------------|-----------------------|---------------------|----------------|--------------|--------------|--------------------|
| Charleston (dt1) | 1.2 | 1.0 | 1.0 | 1.6 | 1.4 | 1.0 | 1.0 |
| Flyer (IV) | 1.3 | 1.7 | 1.7 | 1.3 | 1.2 | 1.0 | 1.3 |
| Jack (SCN) | 2.1 | 2.0 | 3.3 | 2.9 | 1.5 | 3.0 | 3.0 |
| IA2007 BC (II) | 1.1 | 1.0 | 1.5 | 1.4 | 1.1 | 1.0 | 1.0 |
| Thorne (BSR) | 1.4 | 1.7 | 1.5 | 1.7 | 1.2 | 1.0 | 1.5 |
| LN88-10534 (III) | 1.2 | 1.0 | 1.7 | 1.6 | 1.1 | 1.0 | 1.2 |
| A92-726004 | 1.4 | 1.0 | 2.0 | 1.5 | 1.2 | 1.5 | 2.0 |
| A92-726034 | 1.4 | 1.0 | 2.5 | 2.0 | 1.2 | 1.3 | 2.2 |
| A93-652026 | 1.4 | 2.3 | 2.3 | 1.9 | 1.1 | 1.0 | 1.2 |
| A93-754028 | 1.5 | 1.0 | 1.7 | 2.2 | 1.3 | 1.5 | 2.0 |
| C1875 | 1.2 | 1.0 | 1.2 | 1.4 | 1.2 | 1.0 | 1.0 |
| HC86-130 | 1.1 | 1.0 | 1.0 | 1.5 | 1.3 | 1.0 | 1.0 |
| HC89-1389 | 1.2 | 1.0 | 1.0 | 1.7 | 1.3 | 1.3 | 1.0 |
| HC89-2232 | 1.4 | 1.3 | 2.5 | 2.1 | 1.4 | 1.0 | 1.5 |
| HC89-2436 | 1.6 | 1.7 | 2.3 | 2.3 | 1.4 | 1.0 | 2.0 |
| HF92-078 | 1.8 | 1.7 | 3.0 | 2.0 | 1.3 | 1.7 | 1.8 |
| HF92-080 | 1.4 | 1.0 | 1.7 | 1.5 | 1.3 | 1.5 | 1.2 |
| HF92-083 | 1.5 | 1.3 | 1.7 | 2.2 | 1.3 | 1.3 | 1.7 |
| HF92-178 | 1.5 | 1.0 | 1.8 | 2.0 | 1.2 | 1.7 | 1.8 |
| HS91-4523 | 1.3 | 1.7 | 1.7 | 1.8 | 1.1 | 1.2 | 1.2 |
| HS92-2683 | 1.4 | 2.0 | 1.7 | 1.7 | 1.2 | 1.2 | 1.7 |
| HS92-2684 | 1.5 | 1.3 | 1.8 | 1.7 | 1.2 | 1.2 | 1.8 |
| LN89-295 | 1.3 | 1.3 | 1.7 | 1.4 | 1.3 | 1.0 | 1.2 |
| LN89-334 | 1.3 | 1.3 | 2.0 | 1.4 | 1.2 | 1.0 | 1.5 |
| LN89-3619 | 1.5 | 1.0 | 2.2 | 1.7 | 1.2 | 1.0 | 1.8 |
| LN91-5895 | 1.7 | 1.3 | 2.7 | 3.0 | 1.5 | 1.0 | 2.2 |
| U92-3604 | 1.2 | 1.0 | 1.0 | 1.4 | 1.2 | 1.0 | 1.0 |
| U93-2412 | 1.3 | 1.0 | 2.0 | 1.7 | 1.2 | 1.0 | 1.0 |
| U93-3116 | 1.2 | 1.0 | 1.0 | 1.4 | 1.2 | 1.0 | 1.0 |
| U93-3122 | 1.3 | 1.0 | 2.2 | 1.6 | 1.3 | 1.0 | 1.5 |
| U93-3228 | 1.3 | 1.0 | 1.7 | 1.3 | 1.2 | 1.0 | 1.2 |

UNIFORM TEST III, 1995

LODGING (score)

| Strain | Urbana IL | Bluff- ton IN | Lafay- ette IN | Man- hattan KS | Pow- hattan KS | Topeka KS | Lexing- ton KY |
|------------------|--------------|---------------------|----------------------|----------------------|----------------------|--------------|----------------------|
| Charleston (dt1) | 1.0 | 1.0 | 1.0 | 1.3 | 1.0 | 1.0 | 3.0 |
| Flyer (IV) | 2.0 | 1.0 | 1.0 | 1.0 | 1.7 | 2.3 | 2.0 |
| Jack (SCN) | 3.3 | 1.0 | 1.8 | 2.7 | 2.0 | 3.3 | 3.0 |
| IA2007 BC (II) | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.7 | 1.0 |
| Thorne (BSR) | 2.7 | 1.0 | 1.0 | 1.3 | 1.3 | 2.0 | 2.0 |
| LN88-10534 (III) | 1.8 | 1.0 | 1.0 | 1.0 | 1.7 | 1.3 | 2.0 |
| A92-726004 | 2.3 | 1.0 | 1.0 | 1.7 | 2.0 | 1.7 | 2.0 |
| A92-726034 | 1.7 | 1.0 | 1.2 | 1.0 | 2.0 | 2.3 | 2.0 |
| A93-652026 | 2.2 | 1.0 | 1.0 | 1.0 | 1.3 | 2.3 | 2.0 |
| A93-754028 | 2.8 | 1.0 | 1.2 | 1.7 | 1.7 | 2.3 | 2.0 |
| C1875 | 1.5 | 1.0 | 1.0 | 1.0 | 1.7 | 1.3 | 2.0 |
| HC86-130 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.0 | 2.0 |
| HC89-1389 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 3.0 |
| HC89-2232 | 2.7 | 1.0 | 1.3 | 1.3 | 1.3 | 1.7 | 2.0 |
| HC89-2436 | 2.7 | 1.0 | 1.5 | 1.0 | 1.7 | 2.0 | 3.0 |
| HF92-078 | 3.7 | 1.0 | 1.5 | 2.0 | 2.0 | 2.7 | 3.0 |
| HF92-080 | 2.8 | 1.0 | 1.2 | 1.3 | 1.7 | 2.3 | 2.0 |
| HF92-083 | 3.3 | 1.0 | 1.3 | 1.3 | 1.7 | 2.0 | 3.0 |
| HF92-178 | 3.7 | 1.0 | 1.0 | 1.3 | 1.3 | 2.3 | 2.0 |
| HS91-4523 | 2.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.7 | 2.0 |
| HS92-2683 | 2.8 | 1.0 | 1.0 | 1.3 | 2.0 | 2.3 | 2.0 |
| HS92-2684 | 3.8 | 1.0 | 1.0 | 1.3 | 2.0 | 2.0 | 2.0 |
| LN89-295 | 2.0 | 1.0 | 1.0 | 1.0 | 1.7 | 1.3 | 2.0 |
| LN89-334 | 3.2 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 2.0 |
| LN89-3619 | 4.0 | 1.0 | 1.3 | 1.3 | 2.0 | 2.3 | 2.0 |
| LN91-5895 | 3.2 | 1.0 | 1.3 | 2.3 | 1.3 | 2.3 | 2.0 |
| U92-3604 | 1.5 | 1.0 | 1.0 | 1.0 | 1.7 | 1.3 | 2.0 |
| U93-2412 | 1.5 | 1.0 | 1.0 | 1.3 | 1.3 | 1.7 | 2.0 |
| U93-3116 | 2.3 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 | 2.0 |
| U93-3122 | 2.5 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 2.0 |
| U93-3228 | 2.7 | 1.0 | 1.0 | 1.0 | 2.0 | 1.7 | 2.0 |

UNIFORM TEST III, 1995

LODGING (score)

| Strain | Queens- town MD | Colum- bia MO | David City NE | Falls City NE | Tekamah NE | Adelphia NJ |
|------------------|-----------------------|---------------------|---------------------|---------------------|---------------|----------------|
| Charleston (dt1) | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.7 |
| Flyer (IV) | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Jack (SCN) | 1.7 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 |
| IA2007 BC (II) | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Thorne (BSR) | 1.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LN88-10534 (III) | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| A92-726004 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| A92-726034 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| A93-652026 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| A93-754028 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| C1875 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC86-130 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| HC89-1389 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| HC89-2232 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC89-2436 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| HF92-078 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HF92-080 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HF92-083 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| HF92-178 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HS91-4523 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HS92-2683 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HS92-2684 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LN89-295 | 1.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LN89-334 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LN89-3619 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| LN91-5895 | 1.5 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 |
| U92-3604 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| U93-2412 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| U93-3116 | 1.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| U93-3122 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| U93-3228 | 1.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

UNIFORM TEST III, 1995

LODGING (score)

| Strain | South | | | | |
|------------------|-----------------|----------------|------------------|---------------|-----------------|
| | Hoytville OH | Mt. Orab OH | Charleston OH | Wooster OH | Elk Point SD |
| Charleston (dt1) | 1.0 | 1.0 | 1.0 | 1.2 | 1.0 |
| Flyer (IV) | 1.3 | 1.0 | 1.5 | 1.4 | 1.0 |
| Jack (SCN) | 2.7 | 1.0 | 2.3 | 2.3 | 1.0 |
| IA2007 BC (II) | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Thorne (BSR) | 1.5 | 1.0 | 1.8 | 1.4 | 1.0 |
| LN88-10534 (III) | 1.0 | 1.0 | 1.8 | 1.3 | 1.0 |
| A92-726004 | 1.5 | 1.0 | 1.5 | 1.3 | 1.0 |
| A92-726034 | 1.2 | 1.0 | 1.8 | 1.8 | 1.0 |
| A93-652026 | 1.2 | 1.0 | 1.5 | 1.2 | 1.0 |
| A93-754028 | 1.5 | 1.0 | 1.5 | 1.6 | 1.0 |
| C1875 | 1.0 | 1.0 | 1.5 | 1.0 | 1.0 |
| HC86-130 | 1.0 | 1.0 | 1.0 | 1.1 | 1.0 |
| HC89-1389 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC89-2232 | 1.5 | 1.0 | 1.8 | 1.8 | 1.0 |
| HC89-2436 | 1.3 | 1.0 | 2.0 | 2.1 | 1.0 |
| HF92-078 | 2.5 | 1.0 | 2.3 | 2.0 | 1.0 |
| HF92-080 | 1.2 | 1.0 | 2.3 | 1.4 | 1.0 |
| HF92-083 | 1.5 | 1.0 | 2.0 | 1.8 | 1.0 |
| HF92-178 | 2.0 | 1.0 | 2.0 | 1.7 | 1.0 |
| HS91-4523 | 1.0 | 1.0 | 1.3 | 1.1 | 1.0 |
| HS92-2683 | 1.2 | 1.0 | 1.8 | 1.4 | 1.0 |
| HS92-2684 | 1.3 | 1.0 | 2.0 | 1.5 | 1.0 |
| LN89-295 | 2.0 | 1.0 | 1.5 | 1.5 | 1.0 |
| LN89-334 | 1.3 | 1.0 | 1.8 | 1.5 | 1.0 |
| LN89-3619 | 1.8 | 1.0 | 2.0 | 1.7 | 1.0 |
| LN91-5895 | 1.7 | 1.0 | 2.0 | 1.4 | 1.0 |
| U92-3604 | 1.0 | 1.0 | 1.0 | 1.4 | 1.0 |
| U93-2412 | 1.5 | 1.0 | 1.3 | 1.5 | 1.0 |
| U93-3116 | 1.3 | 1.0 | 1.0 | 1.5 | 1.0 |
| U93-3122 | 1.5 | 1.0 | 1.0 | 1.2 | 1.0 |
| U93-3228 | 1.2 | 1.0 | 1.5 | 1.5 | 1.0 |

UNIFORM TEST III, 1995

PLANT HEIGHT (inches)

| Strain | Mean 24 Tests | George- town DE | Fair field IA | Griswold IA | Stuart IA | Newton IL | Ridg- way IL |
|------------------|---------------------|-----------------------|---------------------|----------------|--------------|--------------|--------------------|
| Charleston (dt1) | 23 | 22 | 30 | 31 | 25 | 21 | 20 |
| Flyer (IV) | 33 | 30 | 40 | 40 | 36 | 28 | 33 |
| Jack (SCN) | 37 | 31 | 49 | 43 | 40 | 45 | 35 |
| IA2007 BC (II) | 30 | 26 | 38 | 38 | 32 | 33 | 26 |
| Thorne (BSR) | 30 | 31 | 36 | 39 | 32 | 29 | 30 |
| LN88-10534 (III) | 32 | 25 | 41 | 41 | 35 | 32 | 31 |
| A92-726004 | 31 | 22 | 38 | 38 | 34 | 33 | 31 |
| A92-726034 | 31 | 25 | 37 | 40 | 33 | 32 | 33 |
| A93-652026 | 28 | 26 | 35 | 36 | 28 | 26 | 26 |
| A93-754028 | 31 | 25 | 40 | 40 | 33 | 28 | 31 |
| C1875 | 30 | 23 | 39 | 36 | 34 | 31 | 28 |
| HC86-130 | 21 | 19 | 28 | 30 | 26 | 23 | 21 |
| HC89-1389 | 22 | 20 | 24 | 29 | 25 | 21 | 20 |
| HC89-2232 | 36 | 31 | 45 | 42 | 38 | 34 | 38 |
| HC89-2436 | 36 | 33 | 41 | 42 | 36 | 34 | 38 |
| HF92-078 | 35 | 29 | 43 | 42 | 38 | 36 | 32 |
| HF92-080 | 32 | 29 | 40 | 39 | 33 | 35 | 31 |
| HF92-083 | 35 | 28 | 45 | 42 | 38 | 32 | 34 |
| HF92-178 | 36 | 25 | 43 | 43 | 38 | 38 | 34 |
| HS91-4523 | 32 | 28 | 41 | 40 | 35 | 31 | 32 |
| HS92-2683 | 33 | 25 | 41 | 41 | 37 | 33 | 33 |
| HS92-2684 | 35 | 30 | 38 | 41 | 35 | 32 | 32 |
| LN89-295 | 32 | 26 | 39 | 40 | 34 | 34 | 32 |
| LN89-334 | 30 | 28 | 39 | 38 | 33 | 28 | 31 |
| LN89-3619 | 32 | 27 | 41 | 40 | 34 | 33 | 31 |
| LN91-5895 | 37 | 26 | 51 | 45 | 38 | 34 | 36 |
| U92-3604 | 28 | 25 | 36 | 38 | 30 | 25 | 27 |
| U93-2412 | 35 | 24 | 45 | 42 | 37 | 34 | 33 |
| U93-3116 | 30 | 23 | 35 | 39 | 32 | 28 | 28 |
| U93-3122 | 30 | 26 | 38 | 39 | 35 | 30 | 27 |
| U93-3228 | 31 | 30 | 38 | 40 | 35 | 26 | 31 |

UNIFORM TEST III, 1995

PLANT HEIGHT (inches)

| Strain | Urbana IL | Bluff- ton IN | Lafay- ette IN | Man- hattan KS | Pow- hattan KS | Topeka KS | Lexing- ton KY |
|------------------|--------------|---------------------|----------------------|----------------------|----------------------|--------------|----------------------|
| Charleston (dtl) | 27 | 17 | 28 | 24 | 16 | 18 | 23 |
| Flyer (IV) | 41 | 25 | 40 | 38 | 22 | 39 | 28 |
| Jack (SCN) | 45 | 33 | 44 | 38 | 25 | 44 | 34 |
| IA2007 BC (II) | 41 | 25 | 35 | 32 | 21 | 34 | 26 |
| Thorne (BSR) | 41 | 25 | 37 | 33 | 21 | 35 | 24 |
| LN88-10534 (III) | 44 | 27 | 37 | 34 | 23 | 38 | 28 |
| A92-726004 | 41 | 27 | 37 | 35 | 22 | 35 | 25 |
| A92-726034 | 41 | 25 | 36 | 33 | 21 | 37 | 24 |
| A93-652026 | 39 | 18 | 34 | 34 | 19 | 31 | 24 |
| A93-754028 | 43 | 24 | 39 | 35 | 21 | 39 | 26 |
| C1875 | 40 | 26 | 34 | 31 | 21 | 35 | 25 |
| HC86-130 | 24 | 14 | 24 | 19 | 15 | 17 | 24 |
| HC89-1389 | 29 | 31 | 42 | 18 | 17 | 17 | 22 |
| HC89-2232 | 47 | 30 | 42 | 44 | 28 | 41 | 30 |
| HC89-2436 | 45 | 33 | 43 | 38 | 27 | 39 | 33 |
| HF92-078 | 45 | 28 | 41 | 38 | 24 | 36 | 32 |
| HF92-080 | 42 | 26 | 38 | 34 | 22 | 37 | 26 |
| HF92-083 | 48 | 27 | 42 | 38 | 26 | 39 | 34 |
| HF92-178 | 45 | 34 | 41 | 40 | 26 | 41 | 33 |
| HS91-4523 | 42 | 26 | 39 | 32 | 23 | 36 | 28 |
| HS92-2683 | 43 | 28 | 39 | 38 | 22 | 37 | 28 |
| HS92-2684 | 45 | 33 | 42 | 41 | 23 | 39 | 30 |
| LN89-295 | 42 | 28 | 38 | 33 | 22 | 38 | 26 |
| LN89-334 | 40 | 24 | 35 | 32 | 21 | 34 | 23 |
| LN89-3619 | 43 | 26 | 39 | 34 | 23 | 38 | 25 |
| LN91-5895 | 50 | 28 | 50 | 42 | 25 | 46 | 34 |
| U92-3604 | 41 | 23 | 34 | 30 | 19 | 34 | 24 |
| U93-2412 | 45 | 29 | 42 | 39 | 25 | 43 | 33 |
| U93-3116 | 41 | 23 | 36 | 31 | 22 | 34 | 26 |
| U93-3122 | 41 | 23 | 40 | 33 | 22 | 34 | 28 |
| U93-3228 | 42 | 25 | 37 | 36 | 22 | 37 | 26 |

UNIFORM TEST III, 1995

PLANT HEIGHT (inches)

| Strain | Queens- town MD | Colum- bia MO | David City NE | Falls City NE | Tekamah NE | Adelphia NJ |
|------------------|-----------------------|---------------------|---------------------|---------------------|---------------|----------------|
| Charleston (dt1) | 15 | 28 | 28 | 18 | 26 | 26 |
| Flyer (IV) | 29 | 34 | 37 | 30 | 36 | 28 |
| Jack (SCN) | 31 | 39 | 42 | 31 | 42 | 38 |
| IA2007 BC (II) | 23 | 33 | 36 | 25 | 34 | 29 |
| Thorne (BSR) | 24 | 31 | 33 | 27 | 31 | 25 |
| LN88-10534 (III) | 25 | 34 | 36 | 31 | 36 | 28 |
| A92-726004 | 27 | 32 | 33 | 28 | 32 | 28 |
| A92-726034 | 27 | 30 | 33 | 29 | 35 | 24 |
| A93-652026 | 18 | 31 | 34 | 24 | 33 | 27 |
| A93-754028 | 22 | 34 | 38 | 28 | 35 | 31 |
| C1875 | 24 | 32 | 31 | 27 | 30 | 29 |
| HC86-130 | 14 | 23 | 28 | 17 | 22 | 21 |
| HC89-1389 | 12 | 22 | 25 | 17 | 23 | 22 |
| HC89-2232 | 29 | 36 | 39 | 34 | 40 | 33 |
| HC89-2436 | 31 | 36 | 39 | 32 | 39 | 34 |
| HF92-078 | 28 | 36 | 42 | 31 | 39 | 30 |
| HF92-080 | 27 | 33 | 35 | 29 | 33 | 30 |
| HF92-083 | 31 | 37 | 39 | 34 | 39 | 33 |
| HF92-178 | 30 | 37 | 41 | 32 | 39 | 33 |
| HS91-4523 | 27 | 33 | 36 | 31 | 37 | 32 |
| HS92-2683 | 28 | 34 | 35 | 30 | 36 | 31 |
| HS92-2684 | 29 | 37 | 39 | 30 | 36 | 37 |
| LN89-295 | 27 | 31 | 34 | 30 | 34 | 28 |
| LN89-334 | 26 | 28 | 34 | 28 | 33 | 27 |
| LN89-3619 | 25 | 32 | 33 | 30 | 35 | 32 |
| LN91-5895 | 30 | 42 | 41 | 35 | 43 | 39 |
| U92-3604 | 19 | 29 | 34 | 24 | 34 | 27 |
| U93-2412 | 27 | 36 | 40 | 30 | 40 | 32 |
| U93-3116 | 23 | 30 | 32 | 25 | 32 | 27 |
| U93-3122 | 24 | 32 | 35 | 23 | 33 | 27 |
| U93-3228 | 28 | 32 | 34 | 28 | 34 | 27 |

UNIFORM TEST III, 1995

PLANT HEIGHT (inches)

| Strain | South | | | | |
|------------------|-----------------|----------------|------------------|---------------|-----------------|
| | Hoytville OH | Mt. Orab OH | Charleston OH | Wooster OH | Elk Point SD |
| Charleston (dt1) | 23 | 19 | 21 | 20 | 21 |
| Flyer (IV) | 36 | 24 | 31 | 35 | 33 |
| Jack (SCN) | 40 | 25 | 28 | 33 | 35 |
| IA2007 BC (II) | 32 | 19 | 24 | 29 | 31 |
| Thorne (BSR) | 31 | 21 | 28 | 32 | 30 |
| LN88-10534 (III) | 34 | 25 | 28 | 29 | 35 |
| A92-726004 | 32 | 21 | 30 | 30 | 27 |
| A92-726034 | 31 | 21 | 30 | 33 | 31 |
| A93-652026 | 30 | 19 | 24 | 26 | 30 |
| A93-754028 | 32 | 19 | 25 | 33 | 34 |
| C1875 | 34 | 22 | 29 | 29 | 30 |
| HC86-130 | 20 | 19 | 20 | 20 | 21 |
| HC89-1389 | 23 | 19 | 20 | 19 | 22 |
| HC89-2232 | 35 | 26 | 31 | 33 | 39 |
| HC89-2436 | 37 | 27 | 33 | 34 | 37 |
| HF92-078 | 38 | 23 | 31 | 35 | 36 |
| HF92-080 | 36 | 23 | 27 | 31 | 28 |
| HF92-083 | 36 | 26 | 30 | 35 | 34 |
| HF92-178 | 42 | 25 | 33 | 34 | 36 |
| HS91-4523 | 33 | 23 | 28 | 31 | 34 |
| HS92-2683 | 36 | 23 | 33 | 32 | 32 |
| HS92-2684 | 38 | 26 | 30 | 37 | 33 |
| LN89-295 | 33 | 23 | 29 | 29 | 32 |
| LN89-334 | 31 | 22 | 29 | 30 | 33 |
| LN89-3619 | 34 | 22 | 25 | 30 | 31 |
| LN91-5895 | 38 | 27 | 23 | 34 | 39 |
| U92-3604 | 27 | 20 | 24 | 26 | 30 |
| U93-2412 | 36 | 27 | 31 | 34 | 34 |
| U93-3116 | 33 | 22 | 27 | 31 | 30 |
| U93-3122 | 29 | 21 | 29 | 28 | 30 |
| U93-3228 | 34 | 21 | 30 | 32 | 30 |

UNIFORM TEST III, 1995

SEED QUALITY (score)

| Strain | Mean 23 Tests | George- town DE | Fair field IA | Griswold IA | Stuart IA | Newton IL | Ridg- way IL |
|------------------|---------------------|-----------------------|---------------------|----------------|--------------|--------------|--------------------|
| Charleston (dt1) | 1.6 | | 2.0 | 2.0 | 2.0 | 1.5 | 1.5 |
| Flyer (IV) | 1.7 | | 2.0 | 2.0 | 2.0 | 1.5 | 1.5 |
| Jack (SCN) | 2.1 | | 2.0 | 2.0 | 2.0 | 1.5 | 1.7 |
| IA2007 BC (II) | 2.3 | | 2.0 | 2.0 | 1.0 | 1.5 | 2.2 |
| Thorne (BSR) | 1.8 | | 1.0 | 1.0 | 2.0 | 1.5 | 1.5 |
| LN88-10534 (III) | 1.7 | | 1.0 | 1.0 | 2.0 | 1.5 | 1.5 |
| A92-726004 | 2.4 | | 2.0 | 2.0 | 2.0 | 1.7 | 1.8 |
| A92-726034 | 2.0 | | 2.0 | 2.0 | 1.0 | 1.7 | 1.7 |
| A93-652026 | 2.4 | | 1.0 | 2.0 | 1.0 | 2.3 | 2.8 |
| A93-754028 | 2.2 | | 1.0 | 2.0 | 2.0 | 1.7 | 2.2 |
| C1875 | 1.5 | | 1.0 | 1.0 | 2.0 | 1.5 | 1.5 |
| HC86-130 | 1.8 | | 2.0 | 1.0 | 2.0 | 1.5 | 1.5 |
| HC89-1389 | 1.7 | | 2.0 | 1.0 | 2.0 | 1.5 | 1.5 |
| HC89-2232 | 1.9 | | 2.0 | 2.0 | 3.0 | 1.5 | 1.5 |
| HC89-2436 | 1.9 | | 2.0 | 2.0 | 3.0 | 1.5 | 1.5 |
| HF92-078 | 1.9 | | 1.0 | 1.0 | 2.0 | 1.5 | 2.0 |
| HF92-080 | 1.7 | | 1.0 | 1.0 | 2.0 | 1.5 | 1.7 |
| HF92-083 | 1.9 | | 1.0 | 2.0 | 2.0 | 1.5 | 1.7 |
| HF92-178 | 1.8 | | 2.0 | 2.0 | 2.0 | 1.5 | 2.0 |
| HS91-4523 | 1.8 | | 1.0 | 1.0 | 2.0 | 1.5 | 1.7 |
| HS92-2683 | 1.5 | | 2.0 | 2.0 | 1.0 | 1.5 | 1.5 |
| HS92-2684 | 1.6 | | 2.0 | 1.0 | 2.0 | 1.5 | 1.5 |
| LN89-295 | 1.7 | | 1.0 | 1.0 | 2.0 | 1.5 | 1.5 |
| LN89-334 | 1.5 | | 1.0 | 1.0 | 2.0 | 1.5 | 1.5 |
| LN89-3619 | 1.7 | | 2.0 | 2.0 | 1.0 | 1.5 | 1.5 |
| LN91-5895 | 1.9 | | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| U92-3604 | 1.7 | | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| U93-2412 | 2.1 | | 1.0 | 1.0 | 3.0 | 1.5 | 1.8 |
| U93-3116 | 1.8 | | 1.0 | 2.0 | 2.0 | 1.5 | 1.5 |
| U93-3122 | 1.9 | | 1.0 | 2.0 | 2.0 | 1.5 | 2.0 |
| U93-3228 | 1.5 | | 1.0 | 1.0 | 2.0 | 1.5 | 1.5 |

UNIFORM TEST III, 1995

SEED QUALITY (score)

| Strain | Urbana IL | Bluff- ton IN | Lafay- ette IN | Man- hattan KS | Pow- hattan KS | Topeka KS | Lexing- ton KY |
|------------------|--------------|---------------------|----------------------|----------------------|----------------------|--------------|----------------------|
| Charleston (dt1) | 1.5 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 |
| Flyer (IV) | 1.7 | 2.0 | 1.0 | 2.0 | 3.0 | 3.0 | 1.0 |
| Jack (SCN) | 1.5 | 2.0 | 1.0 | 2.0 | 3.0 | 3.0 | 1.0 |
| IA2007 BC (II) | 1.7 | 2.0 | 1.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| Thorne (BSR) | 1.8 | 2.0 | 1.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| LN88-10534 (III) | 2.2 | 2.0 | 1.0 | 2.0 | 2.0 | 4.0 | 1.0 |
| A92-726004 | 2.2 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 1.0 |
| A92-726034 | 2.5 | 2.0 | 1.0 | 3.0 | 3.0 | 4.0 | 2.0 |
| A93-652026 | 1.8 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 3.0 |
| A93-754028 | 1.7 | 2.0 | 2.0 | 3.0 | 2.0 | 4.0 | 1.0 |
| C1875 | 1.8 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 1.0 |
| HC86-130 | 1.7 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 1.0 |
| HC89-1389 | 1.5 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 |
| HC89-2232 | 1.8 | 2.0 | 1.0 | 1.0 | 2.0 | 3.0 | 1.0 |
| HC89-2436 | 1.7 | 2.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 |
| HF92-078 | 1.8 | 2.0 | 1.0 | 2.0 | 3.0 | 3.0 | 2.0 |
| HF92-080 | 1.7 | 1.0 | 1.0 | 2.0 | 2.0 | 4.0 | 1.0 |
| HF92-083 | 1.7 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 |
| HF92-178 | 1.7 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 1.0 |
| HS91-4523 | 1.7 | 2.0 | 1.0 | 2.0 | 2.0 | 3.0 | 1.0 |
| HS92-2683 | 1.5 | 1.0 | 1.0 | 1.0 | 3.0 | 3.0 | 1.0 |
| HS92-2684 | 1.7 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 |
| LN89-295 | 1.7 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 1.0 |
| LN89-334 | 1.8 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 |
| LN89-3619 | 1.7 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 1.0 |
| LN91-5895 | 2.0 | 2.0 | 1.0 | 2.0 | 3.0 | 4.0 | 2.0 |
| U92-3604 | 1.7 | 2.0 | 1.0 | 2.0 | 2.0 | 4.0 | 1.0 |
| U93-2412 | 2.2 | 2.0 | 1.0 | 2.0 | 2.0 | 4.0 | 1.0 |
| U93-3116 | 1.5 | 2.0 | 1.0 | 2.0 | 3.0 | 3.0 | 1.0 |
| U93-3122 | 1.8 | 2.0 | 1.0 | 3.0 | 2.0 | 4.0 | 1.0 |
| U93-3228 | 1.8 | 1.0 | 1.0 | 1.0 | 3.0 | 3.0 | 1.0 |

UNIFORM TEST III, 1995

SEED QUALITY (score)

| Strain | Queens- town MD | Colum- bia MO | David City NE | Falls City NE | Tekamah NE | Adelphia NJ |
|------------------|-----------------------|---------------------|---------------------|---------------------|---------------|----------------|
| Charleston (dt1) | 2.2 | 1.0 | 1.7 | 1.3 | 1.0 | 1.0 |
| Flyer (IV) | 1.8 | 1.0 | 1.7 | 1.0 | 1.3 | 1.0 |
| Jack (SCN) | 3.0 | 1.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| IA2007 BC (II) | 2.2 | 3.0 | 2.0 | 2.0 | 2.0 | 1.3 |
| Thorne (BSR) | 2.0 | 1.0 | 2.0 | 1.0 | 1.7 | 1.0 |
| LN88-10534 (III) | 2.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.0 |
| A92-726004 | 2.3 | 2.0 | 2.3 | 1.7 | 2.3 | 1.3 |
| A92-726034 | 1.8 | 1.0 | 1.7 | 2.0 | 1.0 | 1.0 |
| A93-652026 | 2.5 | 2.0 | 1.7 | 1.7 | 3.0 | 1.7 |
| A93-754028 | 2.0 | 2.0 | 2.0 | 1.7 | 2.0 | 1.3 |
| C1875 | 1.7 | 2.0 | 1.0 | 1.3 | 1.3 | 1.0 |
| HC86-130 | 1.8 | 1.0 | 2.3 | 1.3 | 1.3 | 1.3 |
| HC89-1389 | 2.0 | 1.0 | 1.7 | 1.0 | 1.7 | 1.3 |
| HC89-2232 | 2.7 | 2.0 | 2.0 | 1.7 | 2.0 | 1.0 |
| HC89-2436 | 1.8 | 2.0 | 1.7 | 1.7 | 1.7 | 1.0 |
| HF92-078 | 2.3 | 2.0 | 2.7 | 1.0 | 2.0 | 1.0 |
| HF92-080 | 1.8 | 1.0 | 2.7 | 1.7 | 2.0 | 1.0 |
| HF92-083 | 2.0 | 2.0 | 2.3 | 2.0 | 1.7 | 1.0 |
| HF92-178 | 2.2 | 2.0 | 2.7 | 1.3 | 1.0 | 1.0 |
| HS91-4523 | 1.7 | 2.0 | 2.3 | 1.7 | 2.0 | 1.0 |
| HS92-2683 | 1.5 | 1.0 | 1.7 | 1.0 | 1.3 | 1.0 |
| HS92-2684 | 1.2 | 2.0 | 1.0 | 1.3 | 1.0 | 1.0 |
| LN89-295 | 1.8 | 1.0 | 2.0 | 1.7 | 2.0 | 1.0 |
| LN89-334 | 1.5 | 1.0 | 1.0 | 1.3 | 1.7 | 1.0 |
| LN89-3619 | 2.2 | 1.0 | 2.3 | 1.7 | 1.3 | 1.0 |
| LN91-5895 | 1.8 | 1.0 | 2.3 | 1.7 | 1.3 | 1.3 |
| U92-3604 | 1.8 | 2.0 | 2.0 | 1.3 | 1.0 | 1.0 |
| U93-2412 | 2.3 | 2.0 | 2.7 | 1.3 | 2.0 | 1.0 |
| U93-3116 | 1.8 | 2.0 | 1.7 | 1.7 | 1.3 | 1.0 |
| U93-3122 | 2.0 | 1.0 | 2.0 | 1.3 | 1.3 | 1.0 |
| U93-3228 | 1.5 | 1.0 | 1.3 | 1.0 | 1.0 | 1.0 |

UNIFORM TEST III, 1995

SEED QUALITY (score)

| Strain | South | | | | |
|------------------|-----------------|----------------|------------------|---------------|-----------------|
| | Hoytville OH | Mt. Orab OH | Charleston OH | Wooster OH | Elk Point SD |
| Charleston (dt1) | 1.0 | 2.6 | 2.0 | 1.0 | 2.0 |
| Flyer (IV) | 1.0 | 2.7 | 1.5 | 1.0 | 3.0 |
| Jack (SCN) | 2.0 | 3.8 | 3.5 | 1.0 | 4.0 |
| IA2007 BC (II) | 2.0 | 4.4 | 3.0 | 2.0 | 3.0 |
| Thorne (BSR) | 1.0 | 2.5 | 3.0 | 1.0 | 3.0 |
| LN88-10534 (III) | 1.0 | 2.3 | 2.5 | 1.0 | 3.0 |
| A92-726004 | 1.0 | 3.9 | 3.5 | 2.0 | 4.0 |
| A92-726034 | 1.0 | 2.1 | 3.3 | 2.0 | 4.0 |
| A93-652026 | 2.0 | 4.5 | 3.3 | 1.0 | 4.0 |
| A93-754028 | 2.0 | 4.4 | 2.5 | 1.0 | 4.0 |
| C1875 | 1.0 | 1.6 | 1.5 | 1.0 | 3.0 |
| HC86-130 | 1.0 | 3.2 | 3.0 | 1.0 | 4.0 |
| HC89-1389 | 1.0 | 3.7 | 2.0 | 1.0 | 3.0 |
| HC89-2232 | 1.0 | 3.2 | 2.5 | 1.0 | 3.0 |
| HC89-2436 | 1.0 | 3.0 | 2.0 | 1.0 | 5.0 |
| HF92-078 | 1.0 | 2.7 | 3.0 | 1.0 | 3.0 |
| HF92-080 | 1.0 | 2.3 | 2.5 | 1.0 | 3.0 |
| HF92-083 | 1.0 | 2.6 | 2.5 | 1.0 | 3.0 |
| HF92-178 | 1.0 | 1.6 | 2.8 | 1.0 | 3.0 |
| HS91-4523 | 1.0 | 3.4 | 2.0 | 1.0 | 4.0 |
| HS92-2683 | 1.0 | 1.6 | 2.0 | 1.0 | 3.0 |
| HS92-2684 | 1.0 | 2.0 | 2.5 | 1.0 | 3.0 |
| LN89-295 | 1.0 | 3.6 | 2.0 | 1.0 | 3.0 |
| LN89-334 | 1.0 | 2.7 | 2.0 | 1.0 | 3.0 |
| LN89-3619 | 1.0 | 2.1 | 2.0 | 1.0 | 3.0 |
| LN91-5895 | 2.0 | 2.5 | 2.5 | 1.0 | 4.0 |
| U92-3604 | 1.0 | 3.2 | 2.5 | 1.0 | 3.0 |
| U93-2412 | 1.0 | 4.4 | 3.0 | 1.0 | 4.0 |
| U93-3116 | 1.0 | 3.7 | 1.8 | 1.0 | 4.0 |
| U93-3122 | 1.0 | 3.5 | 2.0 | 1.0 | 4.0 |
| U93-3228 | 1.0 | 2.4 | 1.8 | 1.0 | 3.0 |

UNIFORM TEST III, 1995

SEED SIZE (g/100)

| Strain | Mean 23 Tests | George- town DE | Fair field IA | Griswold IA | Stuart IA | Newton IL | Ridg- way IL |
|------------------|---------------------|-----------------------|---------------------|----------------|--------------|--------------|--------------------|
| Charleston (dt1) | 13.1 | | 12.8 | 13.9 | 11.4 | 11.5 | 12.7 |
| Flyer (IV) | 12.0 | | 12.4 | 13.0 | 10.8 | 9.9 | 10.2 |
| Jack (SCN) | 12.0 | | 12.2 | 12.8 | 9.9 | 10.4 | 10.5 |
| IA2007 BC (II) | 14.8 | | 14.9 | 15.4 | 14.4 | 13.1 | 11.9 |
| Thorne (BSR) | 14.5 | | 14.2 | 16.0 | 12.7 | 11.7 | 12.9 |
| LN88-10534 (III) | 13.7 | | 13.2 | 14.4 | 11.8 | 11.1 | 11.5 |
| A92-726004 | 13.3 | | 12.2 | 14.4 | 11.9 | 12.5 | 11.8 |
| A92-726034 | 14.2 | | 13.5 | 13.4 | 12.2 | 13.6 | 12.8 |
| A93-652026 | 13.3 | | 13.3 | 13.5 | 12.2 | 11.5 | 12.1 |
| A93-754028 | 14.0 | | 13.4 | 14.6 | 11.6 | 11.3 | 12.6 |
| C1875 | 13.4 | | 12.6 | 14.7 | 12.2 | 12.4 | 12.0 |
| HC86-130 | 13.7 | | 13.6 | 14.0 | 11.2 | 12.5 | 12.2 |
| HC89-1389 | 13.9 | | 13.6 | 14.8 | 12.6 | 12.2 | 12.2 |
| HC89-2232 | 12.7 | | 12.4 | 12.8 | 10.9 | 11.2 | 11.9 |
| HC89-2436 | 12.7 | | 12.0 | 12.7 | 11.0 | 11.3 | 12.0 |
| HF92-078 | 13.4 | | 12.9 | 14.4 | 11.6 | 11.8 | 11.8 |
| HF92-080 | 14.0 | | 13.4 | 14.4 | 12.6 | 13.0 | 12.2 |
| HF92-083 | 13.7 | | 13.3 | 14.8 | 12.3 | 11.8 | 12.3 |
| HF92-178 | 13.1 | | 12.2 | 13.8 | 11.4 | 12.4 | 11.3 |
| HS91-4523 | 15.7 | | 15.0 | 17.6 | 14.1 | 12.8 | 12.5 |
| HS92-2683 | 13.9 | | 13.7 | 14.7 | 12.8 | 12.1 | 11.4 |
| HS92-2684 | 13.7 | | 13.2 | 14.5 | 13.0 | 11.0 | 11.8 |
| LN89-295 | 14.4 | | 13.2 | 15.4 | 12.6 | 14.0 | 13.2 |
| LN89-334 | 12.2 | | 12.1 | 13.4 | 11.0 | 9.9 | 10.7 |
| LN89-3619 | 13.6 | | 12.1 | 13.6 | 11.8 | 11.3 | 12.6 |
| LN91-5895 | 13.8 | | 13.2 | 16.2 | 12.4 | 10.7 | 11.7 |
| U92-3604 | 12.2 | | 11.4 | 13.2 | 11.1 | 10.0 | 11.0 |
| U93-2412 | 14.9 | | 13.7 | 15.6 | 12.8 | 13.4 | 11.5 |
| U93-3116 | 13.0 | | 12.0 | 13.9 | 11.4 | 11.2 | 11.3 |
| U93-3122 | 13.1 | | 11.7 | 13.4 | 11.4 | 11.7 | 11.9 |
| U93-3228 | 14.5 | | 13.8 | 14.6 | 13.8 | 12.4 | 13.1 |

UNIFORM TEST III, 1995

SEED SIZE (g/100)

| Strain | Urbana IL | Bluff- ton IN | Lafay- ette IN | Man- hattan KS | Pow- hattan KS | Topeka KS | Lexing- ton KY |
|------------------|--------------|---------------------|----------------------|----------------------|----------------------|--------------|----------------------|
| Charleston (dt1) | 14.6 | 11.6 | 13.0 | 16.0 | 13.0 | 16.3 | 16.3 |
| Flyer (IV) | 12.9 | 10.6 | 12.1 | 15.0 | 11.9 | 15.4 | 13.5 |
| Jack (SCN) | 14.0 | 10.4 | 10.9 | 15.0 | 11.5 | 15.0 | 13.6 |
| IA2007 BC (II) | 16.7 | 14.4 | 12.5 | 17.0 | 14.0 | 17.7 | 19.7 |
| Thorne (BSR) | 16.4 | 13.1 | 13.4 | 17.0 | 14.0 | 19.8 | 17.8 |
| LN88-10534 (III) | 15.4 | 11.7 | 12.8 | 17.0 | 12.5 | 17.5 | 17.1 |
| A92-726004 | 14.3 | 12.8 | 12.3 | 16.0 | 14.4 | 16.3 | 15.0 |
| A92-726034 | 16.4 | 12.5 | 12.7 | 17.0 | 15.0 | 18.4 | 15.8 |
| A93-652026 | 15.0 | 11.7 | 10.2 | 17.0 | 13.0 | 16.0 | 16.3 |
| A93-754028 | 16.8 | 12.3 | 11.3 | 18.0 | 14.0 | 17.2 | 17.8 |
| C1875 | 15.5 | 12.6 | 12.5 | 16.0 | 12.5 | 16.3 | 15.6 |
| HC86-130 | 15.8 | 11.7 | 14.4 | 17.0 | 13.0 | 18.0 | 18.5 |
| HC89-1389 | 15.4 | 12.1 | 12.0 | 17.0 | 14.0 | 17.2 | 19.1 |
| HC89-2232 | 14.4 | 11.4 | 12.0 | 15.0 | 13.0 | 15.5 | 14.3 |
| HC89-2436 | 14.3 | 11.5 | 12.8 | 15.0 | 12.0 | 15.4 | 15.9 |
| HF92-078 | 14.2 | 11.9 | 10.6 | 15.0 | 13.0 | 16.6 | 16.4 |
| HF92-080 | 15.5 | 13.2 | 11.3 | 17.0 | 13.5 | 18.6 | 17.0 |
| HF92-083 | 15.9 | 11.9 | 11.4 | 17.0 | 13.0 | 16.5 | 18.1 |
| HF92-178 | 14.9 | 12.0 | 11.1 | 15.6 | 13.0 | 18.1 | 16.8 |
| HS91-4523 | 17.8 | 14.2 | 13.9 | 19.0 | 15.0 | 19.3 | 20.1 |
| HS92-2683 | 16.0 | 12.7 | 13.1 | 16.0 | 13.0 | 19.1 | 18.4 |
| HS92-2684 | 15.6 | 12.3 | 11.6 | 17.0 | 14.0 | 17.3 | 17.0 |
| LN89-295 | 15.8 | 13.0 | 12.8 | 18.0 | 14.0 | 16.7 | 18.7 |
| LN89-334 | 14.4 | 10.8 | 11.3 | 15.0 | 13.0 | 14.6 | 15.3 |
| LN89-3619 | 14.3 | 13.0 | 12.8 | 15.0 | 15.0 | 16.4 | 18.5 |
| LN91-5895 | 15.4 | 11.5 | 12.8 | 17.5 | 13.0 | 16.7 | 16.5 |
| U92-3604 | 13.7 | 10.6 | 11.2 | 15.0 | 11.1 | 16.0 | 15.0 |
| U93-2412 | 17.4 | 13.7 | 12.2 | 19.0 | 17.0 | 17.9 | 18.2 |
| U93-3116 | 14.7 | 12.9 | 11.3 | 15.0 | 13.0 | 15.0 | 17.4 |
| U93-3122 | 14.5 | 11.5 | 12.1 | 16.0 | 13.0 | 16.2 | 16.3 |
| U93-3228 | 16.4 | 13.6 | 13.6 | 18.0 | 14.0 | 17.9 | 19.2 |

UNIFORM TEST III, 1995

SEED SIZE (g/100)

| Strain | Queens- town MD | Colum- bia MO | David City NE | Falls City NE | Tekamah NE | Adelphia NJ |
|------------------|-----------------------|---------------------|---------------------|---------------------|---------------|----------------|
| Charleston (dt1) | 10.3 | 10.0 | 13.2 | 14.9 | 15.0 | 11.3 |
| Flyer (IV) | 9.8 | 10.9 | 13.3 | 13.5 | 12.4 | 12.3 |
| Jack (SCN) | 9.8 | 9.7 | 14.2 | 13.6 | 12.6 | 11.3 |
| IA2007 BC (II) | 13.6 | 11.9 | 14.4 | 14.9 | 15.8 | 12.7 |
| Thorne (BSR) | 12.2 | 11.0 | 15.3 | 15.4 | 16.6 | 13.3 |
| LN88-10534 (III) | 12.3 | 11.8 | 15.7 | 15.3 | 15.2 | 13.0 |
| A92-726004 | 11.4 | 12.6 | 13.8 | 15.3 | 14.4 | 12.3 |
| A92-726034 | 12.8 | 11.0 | 15.8 | 15.3 | 14.6 | 13.3 |
| A93-652026 | 11.8 | 12.7 | 15.6 | 13.6 | 13.6 | 12.0 |
| A93-754028 | 12.2 | 10.6 | 16.1 | 15.5 | 15.0 | 12.7 |
| C1875 | 11.5 | 12.1 | 15.1 | 14.7 | 14.8 | 12.3 |
| HC86-130 | 11.8 | 11.9 | 13.3 | 14.5 | 14.6 | 12.7 |
| HC89-1389 | 11.9 | 11.7 | 14.1 | 15.3 | 15.6 | 12.0 |
| HC89-2232 | 10.6 | 11.9 | 12.8 | 14.2 | 13.4 | 13.0 |
| HC89-2436 | 10.3 | 12.3 | 12.2 | 14.1 | 13.6 | 12.7 |
| HF92-078 | 11.6 | 11.7 | 14.0 | 15.1 | 15.0 | 13.3 |
| HF92-080 | 11.9 | 11.7 | 15.3 | 15.6 | 14.6 | 13.0 |
| HF92-083 | 11.9 | 11.9 | 14.9 | 15.9 | 15.3 | 13.7 |
| HF92-178 | 10.9 | 11.8 | 13.1 | 14.7 | 13.6 | 13.0 |
| HS91-4523 | 13.8 | 13.8 | 17.4 | 17.1 | 17.0 | 14.0 |
| HS92-2683 | 11.8 | 11.7 | 15.2 | 14.5 | 15.3 | 13.0 |
| HS92-2684 | 11.6 | 11.7 | 14.9 | 15.4 | 14.5 | 14.7 |
| LN89-295 | 11.6 | 12.3 | 16.6 | 16.1 | 14.6 | 14.0 |
| LN89-334 | 9.8 | 10.8 | 13.2 | 12.7 | 13.8 | 12.3 |
| LN89-3619 | 12.5 | 11.0 | 13.6 | 14.9 | 14.5 | 12.7 |
| LN91-5895 | 11.5 | 12.5 | 15.5 | 15.4 | 15.7 | 14.0 |
| U92-3604 | 9.9 | 10.3 | 13.8 | 13.9 | 13.4 | 12.0 |
| U93-2412 | 13.4 | 11.6 | 16.8 | 16.3 | 15.5 | 13.7 |
| U93-3116 | 11.5 | 10.5 | 13.9 | 15.2 | 13.9 | 11.7 |
| U93-3122 | 11.1 | 12.5 | 13.7 | 15.1 | 14.7 | 12.7 |
| U93-3228 | 12.5 | 13.1 | 15.5 | 15.7 | 15.8 | 13.7 |

UNIFORM TEST III, 1995

SEED SIZE (g/100)

| Strain | South | | | | |
|------------------|-----------------|----------------|------------------|---------------|-----------------|
| | Hoytville OH | Mt. Orab OH | Charleston OH | Wooster OH | Elk Point SD |
| Charleston (dt1) | 12.6 | 12.0 | 12.7 | 14.1 | 12.5 |
| Flyer (IV) | 11.7 | 10.5 | 11.7 | 12.3 | 9.5 |
| Jack (SCN) | 10.9 | 11.1 | 14.1 | 11.8 | 10.5 |
| IA2007 BC (II) | 14.3 | 15.9 | 15.7 | 16.7 | 13.5 |
| Thorne (BSR) | 13.9 | 13.8 | 15.3 | 14.7 | 12.5 |
| LN88-10534 (III) | 13.1 | 13.2 | 12.9 | 13.0 | 13.0 |
| A92-726004 | 12.0 | 12.8 | 13.5 | 12.6 | 11.0 |
| A92-726034 | 13.2 | 13.0 | 14.8 | 16.1 | 13.0 |
| A93-652026 | 13.0 | 13.1 | 13.3 | 14.1 | 11.0 |
| A93-754028 | 13.2 | 13.1 | 14.1 | 14.5 | 13.5 |
| C1875 | 12.3 | 11.7 | 13.4 | 14.6 | 11.5 |
| HC86-130 | 13.1 | 13.1 | 13.4 | 13.5 | 11.0 |
| HC89-1389 | 13.5 | 13.2 | 13.6 | 14.2 | 12.0 |
| HC89-2232 | 13.2 | 11.5 | 12.3 | 12.5 | 11.0 |
| HC89-2436 | 11.7 | 11.8 | 14.0 | 12.9 | 11.5 |
| HF92-078 | 13.0 | 12.9 | 13.6 | 14.0 | 13.0 |
| HF92-080 | 13.2 | 12.9 | 14.7 | 14.3 | 12.0 |
| HF92-083 | 12.7 | 12.9 | 13.7 | 13.0 | 12.0 |
| HF92-178 | 12.6 | 12.0 | 13.6 | 12.6 | 11.5 |
| HS91-4523 | 14.5 | 14.9 | 16.6 | 16.3 | 13.5 |
| HS92-2683 | 12.8 | 12.4 | 13.6 | 14.8 | 12.0 |
| HS92-2684 | 12.8 | 12.3 | 14.1 | 14.1 | 11.0 |
| LN89-295 | 13.2 | 12.7 | 14.4 | 14.9 | 12.5 |
| LN89-334 | 11.4 | 11.3 | 11.9 | 13.2 | 9.5 |
| LN89-3619 | 12.1 | 12.4 | 14.3 | 13.5 | 14.0 |
| LN91-5895 | 13.4 | 13.0 | 13.7 | 13.2 | 12.5 |
| U92-3604 | 11.3 | 11.5 | 12.4 | 11.3 | 11.5 |
| U93-2412 | 14.3 | 14.6 | 16.3 | 14.5 | 13.0 |
| U93-3116 | 12.1 | 13.4 | 13.2 | 13.0 | 11.5 |
| U93-3122 | 12.2 | 11.9 | 13.6 | 12.3 | 12.0 |
| U93-3228 | 13.8 | 12.9 | 14.5 | 14.2 | 12.5 |

UNIFORM TEST III, 1995

PROTEIN (%)

| Strain | Mean 5 Tests | Fairfield IA | Urbana IL | Lafayette IN | David City NE | Wooster OH |
|------------------|--------------------|-----------------|--------------|-----------------|------------------|---------------|
| Charleston (dt1) | 41.6 | 41.7 | 42.8 | 42.5 | 41.1 | 40.1 |
| Flyer (IV) | 42.8 | 42.6 | 43.6 | 43.2 | 42.0 | 42.8 |
| Jack (SCN) | 40.5 | 38.9 | 41.3 | 42.3 | 39.8 | 40.2 |
| IA2007 BC (II) | 40.3 | 38.9 | 40.5 | 42.8 | 39.3 | 39.9 |
| Thorne (BSR) | 43.1 | 42.3 | 43.3 | 44.4 | 42.2 | 43.1 |
| LN88-10534 (III) | 42.2 | 41.1 | 43.7 | 43.6 | 40.6 | 42.2 |
| A92-726004 | 41.8 | 40.2 | 43.2 | 43.9 | 40.4 | 41.2 |
| A92-726034 | 40.6 | 39.3 | 41.1 | 42.2 | 40.4 | 40.1 |
| A93-652026 | 40.2 | 38.7 | 40.7 | 42.6 | 38.9 | 40.0 |
| A93-754028 | 39.3 | 37.8 | 39.7 | 41.5 | 38.6 | 38.8 |
| C1875 | 42.1 | 40.9 | 41.6 | 43.3 | 41.5 | 43.0 |
| HC86-130 | 41.5 | 41.7 | 42.6 | 41.6 | 40.9 | 40.9 |
| HC89-1389 | 41.3 | 40.8 | 42.5 | 42.8 | 39.7 | 40.5 |
| HC89-2232 | 41.6 | 41.4 | 42.7 | 41.4 | 41.3 | 41.3 |
| HC89-2436 | 41.3 | 41.3 | 42.7 | 41.6 | 40.7 | 40.4 |
| HF92-078 | 41.8 | 40.6 | 42.3 | 43.4 | 39.9 | 42.6 |
| HF92-080 | 41.4 | 40.0 | 42.7 | 43.1 | 39.6 | 41.5 |
| HF92-083 | 41.0 | 39.7 | 42.1 | 43.0 | 39.7 | 40.3 |
| HF92-178 | 40.6 | 39.7 | 40.8 | 42.8 | 39.7 | 40.2 |
| HS91-4523 | 41.4 | 40.3 | 42.0 | 42.9 | 39.9 | 41.9 |
| HS92-2683 | 43.0 | 42.0 | 43.0 | 44.4 | 42.1 | 43.4 |
| HS92-2684 | 42.3 | 40.8 | 42.3 | 43.7 | 41.5 | 43.1 |
| LN89-295 | 40.8 | | 41.6 | 41.0 | 40.6 | 40.0 |
| LN89-334 | 41.7 | 40.7 | 42.6 | 42.8 | 41.2 | 41.1 |
| LN89-3619 | 41.2 | 40.2 | 42.7 | 41.7 | 40.6 | 40.7 |
| LN91-5895 | 40.9 | 38.8 | 42.0 | 42.8 | 40.4 | 40.5 |
| U92-3604 | 43.1 | 42.6 | 43.1 | 43.8 | 43.0 | 43.0 |
| U93-2412 | 41.7 | 40.9 | 41.9 | 44.1 | 41.2 | 40.5 |
| U93-3116 | 42.3 | 40.5 | 42.2 | 44.4 | 41.7 | 42.8 |
| U93-3122 | 40.5 | 39.4 | 41.9 | 42.0 | 39.5 | 39.9 |
| U93-3228 | 42.5 | 41.5 | 42.8 | 44.3 | 41.1 | 42.6 |

UNIFORM TEST III, 1995

OIL (%)

| Strain | Mean 5 Tests | Fairfield IA | Urbana IL | Lafayette IN | David City NE | Wooster OH |
|------------------|--------------------|-----------------|--------------|-----------------|------------------|---------------|
| Charleston (dtl) | 19.9 | 18.8 | 20.4 | 20.1 | 19.7 | 20.6 |
| Flyer (IV) | 19.8 | 19.1 | 20.4 | 20.2 | 19.6 | 19.5 |
| Jack (SCN) | 20.6 | 20.1 | 21.0 | 20.8 | 20.1 | 20.8 |
| IA2007 BC (II) | 20.7 | 20.3 | 20.7 | 20.9 | 20.9 | 20.9 |
| Thorne (BSR) | 20.0 | 18.9 | 20.6 | 20.4 | 20.0 | 20.0 |
| LN88-10534 (III) | 20.2 | 19.1 | 20.5 | 20.7 | 20.5 | 20.3 |
| A92-726004 | 19.4 | 19.1 | 19.6 | 19.7 | 19.1 | 19.4 |
| A92-726034 | 20.1 | 18.7 | 20.6 | 20.6 | 20.4 | 20.3 |
| A93-652026 | 20.7 | 19.9 | 21.2 | 20.8 | 20.2 | 21.3 |
| A93-754028 | 20.0 | 19.6 | 20.1 | 20.2 | 19.7 | 20.3 |
| C1875 | 20.5 | 19.5 | 21.6 | 20.8 | 20.4 | 20.1 |
| HC86-130 | 19.9 | 18.8 | 20.9 | 20.6 | 19.9 | 19.5 |
| HC89-1389 | 20.2 | 20.0 | 20.9 | 19.8 | 20.0 | 20.1 |
| HC89-2232 | 19.7 | 18.3 | 20.5 | 20.4 | 19.1 | 20.2 |
| HC89-2436 | 19.3 | 18.2 | 20.7 | 19.5 | 18.5 | 19.4 |
| HF92-078 | 19.9 | 18.8 | 20.4 | 20.2 | 19.9 | 20.1 |
| HF92-080 | 20.1 | 19.5 | 20.6 | 20.3 | 20.0 | 20.3 |
| HF92-083 | 20.3 | 19.5 | 20.9 | 20.2 | 20.2 | 20.5 |
| HF92-178 | 20.2 | 19.5 | 21.2 | 19.9 | 19.5 | 20.7 |
| HS91-4523 | 20.8 | 19.7 | 21.4 | 21.2 | 21.1 | 20.5 |
| HS92-2683 | 20.3 | 19.9 | 20.8 | 20.7 | 20.0 | 20.2 |
| HS92-2684 | 20.3 | 19.5 | 20.9 | 20.5 | 20.2 | 20.6 |
| LN89-295 | 20.2 | | 20.4 | 20.2 | 19.9 | 20.4 |
| LN89-334 | 19.8 | 18.8 | 20.5 | 20.0 | 19.8 | 20.1 |
| LN89-3619 | 21.0 | 20.2 | 21.4 | 21.6 | 20.6 | 21.1 |
| LN91-5895 | 20.4 | 19.5 | 20.8 | 20.8 | 20.0 | 20.8 |
| U92-3604 | 20.3 | 19.6 | 20.9 | 20.5 | 19.9 | 20.4 |
| U93-2412 | 20.3 | 19.6 | 21.1 | 20.3 | 20.2 | 20.4 |
| U93-3116 | 19.9 | 20.2 | 20.3 | 19.9 | 19.5 | 19.8 |
| U93-3122 | 19.6 | 18.6 | 20.2 | 20.0 | 19.4 | 19.6 |
| U93-3228 | 20.5 | 19.9 | 21.1 | 20.8 | 20.2 | 20.7 |

PRELIMINARY TEST IIIA, 1995

| Strain | Parentage | Generation Compositeds | Unique Traits |
|------------------|---|------------------------|-----------------|
| Flyer (IV) | Asgrow A3127 ⁴ x Williams 82 | BC3 F2 | Rps1-k |
| IA2007 BC (II) | IA2007 x Archer | BC3 F2 | Rps1-k |
| LN88-10534 (III) | LN81-1029 x Asgrow A2943 | F5 | Rps? |
| Thorne (BSR) | A80-344003 x Asgrow A3127 | BC3 F2-1 | BSR |
| A94-674038 | Kenwood x Asgrow A2543 | F5 | |
| A94-674047 | Pioneer P9303 x Kenwood | F5 | |
| A94-674050 | Jacques J285 x Kenwood | F5 | |
| A94-772006 | A89-144026 x Pioneer P9303 | F5 | BSR |
| A94-772011 | Jacques J285 x Archer | F5 | BSR |
| A94-772027 | A89-144026 x Pioneer P9303 | F5 | BSR |
| A94-774016 | Northrup King S29-39 x Pioneer P9303 | F5 | |
| A94-774018 | Jacques J285 x Northrup King S29-39 | F5 | |
| A94-774021 | Jacques J285 x Northrup King S29-39 | F5 | |
| A94-774034 | Jacques J285 x Kenwood | F5 | |
| A94-774063 | Jacques J285 x Northrup King S29-39 | F5 | |
| C1904 | Raiden x Resnik | F5 | |
| C1908 | A87-269011 x CX1039-99 | F5 | |
| C1909 | A87-269011 x CX1039-99 | F5 | |
| C1911 | A87-269011 x CX1039-99 | F5 | |
| C1919 | C1763 x HC84-1060 | F6 | |
| C1927 | PRX334-219 x Chapman | F5 | |
| HC89-2230 | HC80-1944 x Asgrow A3127 | F5 | Dt ₁ |
| HC90-3067 | Hoyt x Resnik | F5 | Dt ₁ |
| LN91-3809 | LNx8509 x Chamberlain | F5 | |
| LN92-3709 | LN84-4109 x Asgrow A3733 | F5 | |
| LN92-4945 | LN84-7513 x Chamberlain | F5 | |
| LN92-5565 | Burlison x Elgin 87 | F5 | |
| LN92-5578 | Burlison x Elgin 87 | F5 | |
| LN92-5620 | Burlison x Elgin 87 | F5 | |
| LN92-8175 | Burlison x Asgrow A2943 | F5 | |
| LN92-8247 | Burlison x Asgrow A2943 | F5 | |
| LN92-12554 | Asgrow A3733 x Pella 86 | F5 | BSR |
| LN92-12577 | Asgrow A3733 x Pella 86 | F5 | BSR |
| LN92-12593 | Asgrow A3733 x Pella 86 | F5 | BSR |
| SS90-745 | Sherman x A83-271027 | F5 | |
| SS92-6590 | Pioneer P9442 x Asgrow A3415 | F5 | |
| SS92-6831 | Pioneer P9341 x Asgrow A4393 | F5 | |
| SS92-6980 | Pioneer P9391 x Asgrow A3935 | F5 | |
| SS92-7130 | Asgrow A4393 x Pioneer P9391 | F5 | |
| SS92-7136 | Asgrow A4393 x Pioneer P9391 | F5 | |

PRELIMINARY TEST IIIA, 1995

DESCRIPTIVE AND DISEASE DATA

| Strain | Descriptive Code | <u>Chlorosis</u> | <u>Shattering</u> | <u>BSR-Ames</u> | |
|------------------|------------------|------------------|-------------------|-----------------|----------|
| | | Score Ames | Score Manhattan | Plant n % | Stem n % |
| Flyer (IV) | PTTDYB1I | 2.6 | 1 | 100 | 57 |
| IA2007 BC (II) | PTTDYBfI | 4.1 | 1 | 100 | 53 |
| LN88-10534 (III) | PGBDYIbI | 3.6 | 1 | 100 | 48 |
| Thorne (BSR) | WTBIYB1I | 3.3 | 1 | 100 | 38 |
| A94-674038 | PTBDYB1I | 2.8 | 1 | 100 | 44 |
| A94-674047 | PG+TBDYHI | 4.0 | 1 | 100 | 50 |
| A94-674050 | P+WTBDYB1I | 4.0 | 2 | 100 | 50 |
| A94-772006 | PGBDYHI | 2.8 | 1 | 50 | 15 |
| A94-772011 | PGTDYIbI | 3.3 | 2 | 50 | 10 |
| A94-772027 | PGBDYIbI | 3.0 | 2 | 75 | 18 |
| A94-774016 | PGBDYYI | 3.6 | 1 | 100 | 59 |
| A94-774018 | PGBDYBfI | 3.0 | 2 | 100 | 72 |
| A94-774021 | PG+TTDYHI | 3.0 | 1 | 95 | 52 |
| A94-774034 | PTBDYB1I | 3.6 | 2 | 100 | 47 |
| A94-774063 | WG+TBDYHI | 3.6 | 2 | 95 | 49 |
| C1904 | PTBDYYI | 4.5 | 1 | 100 | 48 |
| C1908 | PTBDYB1I | 3.5 | 1 | 100 | 40 |
| C1909 | PTBSYBrI | 2.5 | 1 | 100 | 44 |
| C1911 | PTBDYB1I | 3.5 | 1 | 100 | 42 |
| C1919 | PG+TBDYHI | 4.1 | 1 | 100 | 39 |
| C1927 | WTTDYB1I | 4.0 | 1 | 100 | 54 |
| HC89-2230 | PTTDYB1I | 3.8 | 1 | 100 | 48 |
| HC90-3067 | PTTDYB1I | 3.6 | 1 | 95 | 39 |
| LN91-3809 | PTTSYB1I | 3.8 | 2 | 95 | 32 |
| LN92-3709 | PGBSYIbI | 3.1 | 1 | 100 | 38 |
| LN92-4945 | PTTSYB1I | 4.1 | 2 | 100 | 55 |
| LN92-5565 | WTBDYB1I | 2.8 | 3 | 95 | 56 |
| LN92-5578 | WTTDYB1I | 3.6 | 1 | 100 | 55 |
| LN92-5620 | PTBSYB1I | 2.6 | 1 | 95 | 46 |
| LN92-8175 | PGBDYIbI | 3.5 | 1 | 100 | 55 |
| LN92-8247 | PGTDYIbI | 3.8 | 1 | 100 | 43 |
| LN92-12554 | PTTDYB1I | 3.6 | 2 | 100 | 54 |
| LN92-12577 | PTTIYB1I | 3.5 | 1 | 100 | 51 |
| LN92-12593 | PTTDYB1I | 4.0 | 1 | 100 | 49 |
| SS90-745 | WGBDYYI | 3.5 | 1 | 100 | 52 |
| SS92-6590 | PTTDYBrI | 3.1 | 2 | 100 | 44 |
| SS92-6831 | WTTSYB1I | 3.8 | 1 | 100 | 58 |
| SS92-6980 | PTBDYB1I | 3.1 | 1 | 100 | 51 |
| SS92-7130 | PTTDYB1I | 3.6 | 2 | 100 | 51 |
| SS92-7136 | PTTDYB1I | 4.3 | 1 | 100 | 55 |

PRELIMINARY TEST IIIA, 1995

DISEASE DATA

| Strain | BTS | PR | | | PS | PSB | Hd Seed |
|------------------|--------------------|-------------------------------|-------------------|------------------------|--------|---------------------|---------|
| | Ames a Score | Custar Root Rot Race 25 | Ames Race 4 | Lafayette Race 7 | a % | Lafayette n % | % |
| Flyer (IV) | 109 | 3.5 | R | R | 30 | 2 | 0 |
| IA2007 BC (II) | 103 | 3.6 | R | R | 24 | 2 | 14 |
| LN88-10534 (III) | 109 | 3.8 | S | R | 10 | 0 | 0 |
| Thorne (BSR) | 104 | 3.6 | H | R | 42 | 0 | 0 |
| A94-674038 | 96 | 8.2 | S | S | 38 | 2 | 20 |
| A94-674047 | 101 | 4.0 | S | R | 12 | 0 | 42 |
| A94-674050 | 105 | 4.0 | S | S | 16 | 6 | 20 |
| A94-772006 | 91 | 4.3 | S | S | 24 | 0 | 0 |
| A94-772011 | 96 | 3.6 | R | R | 14 | 0 | 12 |
| A94-772027 | 96 | 5.8 | S | H | 34 | 2 | 22 |
| A94-774016 | 93 | 3.9 | S | R | 22 | 0 | 42 |
| A94-774018 | 107 | 3.2 | S | R | 38 | 2 | 10 |
| A94-774021 | 93 | 3.8 | S | R | 4 | 4 | 16 |
| A94-774034 | 103 | 4.1 | S | S | 30 | 0 | 4 |
| A94-774063 | 101 | 3.8 | S | R | 4 | 4 | 48 |
| C1904 | 107 | 3.2 | S | R | 12 | 8 | 10 |
| C1908 | 115 | 3.3 | S | R | 26 | 0 | 0 |
| C1909 | 109 | 5.8 | S | S | 32 | 2 | 10 |
| C1911 | 107 | 3.6 | S | S | 26 | 0 | 0 |
| C1919 | 109 | 3.4 | H | S | 38 | 4 | 0 |
| C1927 | 99 | 4.0 | S | H | 14 | 0 | 0 |
| HC89-2230 | 114 | 5.1 | S | S | 0 | 4 | 0 |
| HC90-3067 | 119 | 4.2 | S | S | 44 | 0 | 0 |
| LN91-3809 | 119 | 4.8 | S | S | 2 | 0 | 0 |
| LN92-3709 | 100 | 3.4 | H | S | 4 | 0 | 0 |
| LN92-4945 | 107 | 5.1 | S | S | 16 | 0 | 0 |
| LN92-5565 | 102 | 3.0 | R | R | 18 | 2 | 26 |
| LN92-5578 | 106 | 2.9 | R | R | 14 | 0 | 0 |
| LN92-5620 | 102 | 2.7 | R | R | 6 | 0 | 18 |
| LN92-8175 | 109 | 3.8 | R | S | 26 | 0 | 0 |
| LN92-8247 | 111 | 3.4 | H | S | 12 | 0 | 0 |
| LN92-12554 | 112 | 3.0 | R | R | 20 | 0 | 0 |
| LN92-12577 | 111 | 3.5 | R | R | 10 | 2 | 0 |
| LN92-12593 | 115 | 3.2 | R | R | 6 | 2 | 0 |
| SS90-745 | 105 | 3.9 | S | R | 2 | 0 | 0 |
| SS92-6590 | 108 | 3.7 | S | S | 24 | 0 | 0 |
| SS92-6831 | 110 | 2.9 | H | R | 22 | 0 | 0 |
| SS92-6980 | 113 | 2.9 | S | S | 16 | 4 | 0 |
| SS92-7130 | 112 | 3.5 | S | S | 16 | 0 | 0 |
| SS92-7136 | 124 | 3.0 | S | S | 16 | 2 | 0 |

PRELIMINARY TEST IIIA, 1995

REGIONAL SUMMARY

| No. of Tests Strain | Yield 10 bu/a | Rank 10 No. | Maturity 9 Date | Lodging 10 Score | Plant Height 10 In. | Seed Quality 10 Score | Seed Size 10 g/100 | Composition | |
|------------------------|---------------------|-------------------|-----------------------|------------------------|------------------------------|--------------------------------|-----------------------------|-------------------|---------------|
| | | | | | | | | Protein 5 % | Oil 5 % |
| Flyer (IV) | 47.5 | 18 | 5.1 | 1.4 | 37 | 1.6 | 12.6 | 42.3 | 19.9 |
| IA2007 BC (II) | 47.3 | 20 | -5.2 | 1.1 | 34 | 2.0 | 15.6 | 40.3 | 21.0 |
| LN88-10534 (III) | 48.5 | 8 | 09/26* | 1.4 | 37 | 1.5 | 14.1 | 41.9 | 20.1 |
| Thorne (BSR) | 49.0 | 5 | 0.3 | 1.5 | 35 | 1.7 | 15.3 | 43.1 | 20.1 |
| A94-674038 | 48.5 | 8 | -3.9 | 1.5 | 32 | 2.3 | 15.8 | 42.2 | 20.5 |
| A94-674047 | 48.6 | 7 | 0.7 | 1.6 | 37 | 2.2 | 15.9 | 40.3 | 20.1 |
| A94-674050 | 45.8 | 29 | 0.7 | 1.7 | 37 | 1.8 | 12.4 | 40.5 | 19.2 |
| A94-772006 | 48.1 | 12 | -5.0 | 1.2 | 31 | 1.9 | 15.3 | 40.9 | 20.4 |
| A94-772011 | 47.0 | 22 | -1.4 | 1.4 | 33 | 2.1 | 14.2 | 41.2 | 19.8 |
| A94-772027 | 47.7 | 16 | -2.1 | 1.2 | 34 | 1.6 | 16.8 | 40.7 | 20.3 |
| A94-774016 | 52.2 | 2 | -1.1 | 1.6 | 29 | 1.7 | 13.7 | 39.3 | 20.4 |
| A94-774018 | 51.0 | 4 | -1.6 | 1.4 | 38 | 2.1 | 14.5 | 38.8 | 20.9 |
| A94-774021 | 53.2 | 1 | 1.2 | 1.1 | 31 | 1.7 | 13.5 | 38.8 | 20.4 |
| A94-774034 | 46.8 | 24 | 3.7 | 1.7 | 35 | 1.9 | 12.6 | 41.9 | 19.7 |
| A94-774063 | 51.3 | 3 | -0.6 | 1.2 | 32 | 1.9 | 12.7 | 41.1 | 20.5 |
| C1904 | 45.4 | 31 | 5.6 | 1.6 | 37 | 1.9 | 15.0 | 42.2 | 19.7 |
| C1908 | 46.2 | 26 | 2.2 | 1.7 | 41 | 1.8 | 14.5 | 41.9 | 20.4 |
| C1909 | 44.7 | 34 | -0.7 | 1.4 | 37 | 2.0 | 15.5 | 43.8 | 19.8 |
| C1911 | 46.3 | 25 | 0.6 | 1.5 | 36 | 1.7 | 16.5 | 44.7 | 20.0 |
| C1919 | 47.9 | 14 | 2.3 | 1.3 | 37 | 1.8 | 13.0 | 40.3 | 20.4 |
| C1927 | 45.3 | 32 | 2.7 | 1.2 | 34 | 1.9 | 14.3 | 40.7 | 20.1 |
| HC89-2230 | 45.0 | 33 | 4.8 | 1.4 | 39 | 1.7 | 12.4 | 40.6 | 19.6 |
| HC90-3067 | 48.4 | 10 | -0.9 | 1.7 | 43 | 1.6 | 13.4 | 40.4 | 21.0 |
| LN91-3809 | 47.0 | 22 | 2.4 | 1.6 | 40 | 1.7 | 13.2 | 41.1 | 19.5 |
| LN92-3709 | 47.6 | 17 | 4.7 | 1.1 | 33 | 2.1 | 16.5 | 42.2 | 19.8 |
| LN92-4945 | 48.0 | 13 | -1.3 | 1.4 | 38 | 1.8 | 16.2 | 40.4 | 20.1 |
| LN92-5565 | 48.3 | 11 | 0.3 | 1.7 | 36 | 1.8 | 15.9 | 42.6 | 19.7 |
| LN92-5578 | 45.9 | 28 | 3.3 | 1.8 | 36 | 1.7 | 14.1 | 41.9 | 19.1 |
| LN92-5620 | 47.9 | 14 | 3.9 | 1.5 | 38 | 1.8 | 17.0 | 41.8 | 19.3 |
| LN92-8175 | 47.4 | 19 | -1.4 | 1.1 | 37 | 2.1 | 13.8 | 43.2 | 19.6 |
| LN92-8247 | 47.3 | 20 | 1.2 | 1.2 | 36 | 1.3 | 13.7 | 42.4 | 19.7 |
| LN92-12554 | 45.6 | 30 | 4.2 | 1.3 | 38 | 1.9 | 14.6 | 40.0 | 20.3 |
| LN92-12577 | 44.5 | 35 | 0.9 | 1.5 | 39 | 1.6 | 16.9 | 41.1 | 20.6 |
| LN92-12593 | 44.0 | 38 | 2.8 | 1.6 | 38 | 1.8 | 15.9 | 40.2 | 20.2 |
| SS90-745 | 49.0 | 5 | -0.7 | 1.3 | 36 | 1.6 | 13.7 | 40.9 | 20.9 |
| SS92-6590 | 44.5 | 35 | 5.8 | 1.2 | 39 | 2.0 | 12.9 | 40.5 | 20.0 |
| SS92-6831 | 44.2 | 37 | 5.0 | 1.6 | 38 | 1.5 | 13.8 | 42.3 | 19.7 |
| SS92-6980 | 43.6 | 39 | 7.6 | 1.7 | 40 | 2.1 | 13.2 | 40.5 | 19.7 |
| SS92-7130 | 46.0 | 27 | 6.1 | 1.4 | 37 | 1.8 | 14.0 | 41.2 | 19.9 |
| SS92-7136 | 42.1 | 40 | 7.4 | 1.8 | 43 | 1.9 | 12.6 | 40.7 | 19.5 |

* 117.3 Days After Planting

PRELIMINARY TEST IIIA, 1995

YIELD (bu/a)

| Strain | Mean 10 Tests | Fair- field IA | Stuart IA | Urbana IL | Lafay- ette IN | Man- hattan KS |
|------------------|---------------------|----------------------|--------------|--------------|----------------------|----------------------|
| Flyer (IV) | 47.5 | 45.7 | 39.3 | 61.4 | 41.8 | 51.0 |
| IA2007 BC (II) | 47.3 | 55.5 | 40.1 | 58.8 | 34.3 | 55.1 |
| LN88-10534 (III) | 48.5 | 49.4 | 37.7 | 62.2 | 33.5 | 51.9 |
| Thorne (BSR) | 49.0 | 52.1 | 40.0 | 65.7 | 37.2 | 48.7 |
| A94-674038 | 48.5 | 52.1 | 42.3 | 66.6 | 44.9 | 51.4 |
| A94-674047 | 48.6 | 47.1 | 39.3 | 67.6 | 44.0 | 51.3 |
| A94-674050 | 45.8 | 44.1 | 40.4 | 63.5 | 33.8 | 51.9 |
| A94-772006 | 48.1 | 55.6 | 38.5 | 63.4 | 39.6 | 52.3 |
| A94-772011 | 47.0 | 49.5 | 38.5 | 59.9 | 40.5 | 48.9 |
| A94-772027 | 47.7 | 53.0 | 43.6 | 62.1 | 44.2 | 45.6 |
| A94-774016 | 52.2 | 49.9 | 42.0 | 72.1 | 46.4 | 55.0 |
| A94-774018 | 51.0 | 41.7 | 44.0 | 74.3 | 40.4 | 54.6 |
| A94-774021 | 53.2 | 54.4 | 40.0 | 70.6 | 48.0 | 54.1 |
| A94-774034 | 46.8 | 48.9 | 39.4 | 57.2 | 35.6 | 49.2 |
| A94-774063 | 51.3 | 52.5 | 40.1 | 68.2 | 43.9 | 52.1 |
| C1904 | 45.4 | 41.0 | 33.2 | 56.5 | 38.5 | 52.8 |
| C1908 | 46.2 | 39.6 | 36.2 | 58.1 | 38.7 | 50.0 |
| C1909 | 44.7 | 44.9 | 36.9 | 56.8 | 38.1 | 44.8 |
| C1911 | 46.3 | 47.2 | 37.4 | 57.7 | 41.2 | 42.3 |
| C1919 | 47.9 | 48.2 | 34.7 | 63.9 | 39.3 | 54.6 |
| C1927 | 45.3 | 50.9 | 30.6 | 56.2 | 36.5 | 47.6 |
| HC89-2230 | 45.0 | 38.8 | 40.2 | 59.8 | 40.7 | 45.9 |
| HC90-3067 | 48.4 | 45.5 | 40.0 | 66.5 | 43.6 | 51.3 |
| LN91-3809 | 47.0 | 47.8 | 37.5 | 65.4 | 34.2 | 46.0 |
| LN92-3709 | 47.6 | 47.6 | 37.7 | 61.5 | 36.3 | 49.1 |
| LN92-4945 | 48.0 | 45.7 | 36.3 | 61.1 | 38.8 | 52.3 |
| LN92-5565 | 48.3 | 40.9 | 39.3 | 65.7 | 41.9 | 50.0 |
| LN92-5578 | 45.9 | 46.6 | 36.3 | 61.2 | 38.8 | 46.7 |
| LN92-5620 | 47.9 | 34.9 | 38.2 | 64.9 | 41.8 | 48.6 |
| LN92-8175 | 47.4 | 51.1 | 36.7 | 62.4 | 37.5 | 49.2 |
| LN92-8247 | 47.3 | 46.6 | 38.6 | 59.7 | 42.1 | 50.6 |
| LN92-12554 | 45.6 | 41.7 | 33.0 | 55.9 | 41.8 | 47.3 |
| LN92-12577 | 44.5 | 47.4 | 39.0 | 56.3 | 38.8 | 42.5 |
| LN92-12593 | 44.0 | 43.9 | 38.0 | 52.9 | 34.4 | 44.8 |
| SS90-745 | 49.0 | 38.9 | 41.8 | 65.6 | 41.8 | 54.3 |
| SS92-6590 | 44.5 | 36.6 | 30.7 | 58.8 | 42.1 | 47.3 |
| SS92-6831 | 44.2 | 39.3 | 30.4 | 63.4 | 38.6 | 43.5 |
| SS92-6980 | 43.6 | 41.4 | 32.8 | 58.3 | 38.6 | 47.5 |
| SS92-7130 | 46.0 | 45.8 | 32.3 | 59.7 | 43.2 | 47.5 |
| SS92-7136 | 42.1 | 38.6 | 31.1 | 45.7 | 37.5 | 47.7 |
| C.V. (%) | | 7.8 | 5.4 | 4.0 | 8.0 | 5.8 |
| L.S.D. (5%) | | 7.2 | 7.2 | 5.1 | 6.5 | 5.8 |
| Row Sp. (In.) | | 27 | 27 | 30 | 24 | 30 |
| Rows/Plot | | 4 | 4 | 4 | 4 | 4 |
| Reps | | 2 | 2 | 2 | 2 | 2 |

PRELIMINARY TEST IIIA, 1995

YIELD (bu/a)

| Strain | Columbia MO | David City NE | Tekamah NE | Hoyt- ville OH | So. Charles- ton OH |
|------------------|----------------|---------------------|---------------|----------------------|---------------------------|
| Flyer (IV) | 37.5 | 41.8 | 49.8 | 41.8 | 64.9 |
| IA2007 BC (II) | 31.1 | 45.3 | 51.4 | 43.3 | 58.3 |
| LN88-10534 (III) | 44.3 | 43.1 | 58.2 | 42.1 | 62.4 |
| Thorne (BSR) | 37.2 | 44.2 | 56.0 | 43.5 | 65.0 |
| A94-674038 | 35.1 | 46.5 | 53.4 | 36.0 | 56.5 |
| A94-674047 | 40.3 | 42.3 | 52.0 | 40.1 | 62.1 |
| A94-674050 | 26.7 | 44.7 | 52.6 | 43.2 | 56.6 |
| A94-772006 | 33.5 | 44.3 | 57.1 | 45.0 | 51.2 |
| A94-772011 | 23.6 | 43.6 | 56.3 | 44.1 | 65.3 |
| A94-772027 | 28.8 | 45.5 | 55.7 | 42.3 | 56.1 |
| A94-774016 | 40.5 | 44.4 | 60.8 | 47.8 | 63.5 |
| A94-774018 | 42.3 | 46.1 | 60.6 | 45.9 | 60.4 |
| A94-774021 | 44.3 | 46.4 | 60.6 | 51.1 | 62.5 |
| A94-774034 | 44.4 | 40.6 | 55.1 | 39.7 | 58.1 |
| A94-774063 | 44.2 | 48.1 | 54.7 | 49.3 | 60.3 |
| C1904 | 40.9 | 38.0 | 49.4 | 36.6 | 66.8 |
| C1908 | 41.1 | 39.4 | 51.2 | 42.1 | 66.0 |
| C1909 | 40.4 | 38.0 | 49.7 | 36.0 | 61.4 |
| C1911 | 40.3 | 37.7 | 53.1 | 41.0 | 65.5 |
| C1919 | 35.6 | 41.4 | 49.7 | 42.9 | 68.6 |
| C1927 | 35.5 | 41.3 | 51.6 | 40.3 | 62.3 |
| HC89-2230 | 42.7 | 40.0 | 49.7 | 31.7 | 60.8 |
| HC90-3067 | 37.9 | 42.5 | 49.8 | 41.9 | 64.6 |
| LN91-3809 | 37.3 | 40.5 | 56.9 | 40.6 | 63.3 |
| LN92-3709 | 41.7 | 43.0 | 55.5 | 38.5 | 65.4 |
| LN92-4945 | 37.7 | 47.5 | 56.6 | 38.6 | 65.4 |
| LN92-5565 | 36.1 | 45.6 | 55.2 | 45.4 | 63.1 |
| LN92-5578 | 35.1 | 37.9 | 51.1 | 43.8 | 61.8 |
| LN92-5620 | 40.6 | 40.5 | 54.2 | 46.2 | 68.6 |
| LN92-8175 | 38.7 | 43.6 | 52.2 | 38.6 | 64.1 |
| LN92-8247 | 36.5 | 41.1 | 53.8 | 44.0 | 60.2 |
| LN92-12554 | 45.5 | 36.7 | 49.9 | 37.8 | 66.4 |
| LN92-12577 | 40.2 | 35.9 | 49.3 | 41.5 | 53.6 |
| LN92-12593 | 42.1 | 34.6 | 52.7 | 36.4 | 60.0 |
| SS90-745 | 39.9 | 46.5 | 53.5 | 41.5 | 66.1 |
| SS92-6590 | 43.0 | 40.5 | 53.8 | 27.0 | 65.0 |
| SS92-6831 | 42.6 | 34.9 | 47.4 | 38.9 | 62.6 |
| SS92-6980 | 42.1 | 18.5 | 49.5 | 41.9 | 65.2 |
| SS92-7130 | 44.7 | 33.0 | 46.6 | 45.2 | 62.4 |
| SS92-7136 | 41.4 | 28.5 | 43.3 | 39.6 | 67.2 |
| C.V. (%) | 12.7 | 9.3 | 5.6 | 10.7 | 8.6 |
| L.S.D. (5%) | 9.9 | 10.9 | 6.0 | 8.9 | 10.9 |
| Row Sp. (In.) | 30 | 30 | 30 | 30 | 7.5 |
| Rows/Plot | 4 | 4 | 4 | 4 | 8 |
| Reps | 2 | 2 | 2 | 2 | 2 |

PRELIMINARY TEST IIIA, 1995

YIELD RANK

| Strain | Yield Rank | Fair-field IA | Stuart IA | Urbana IL | Lafayette IN | Manhattan KS |
|------------------|------------|---------------|-----------|-----------|--------------|--------------|
| Flyer (IV) | 18 | 23 | 14 | 21 | 12 | 16 |
| IA2007 BC (II) | 20 | 2 | 8 | 28 | 37 | 1 |
| LN88-10534 (III) | 8 | 12 | 23 | 18 | 40 | 11 |
| Thorne (BSR) | 5 | 6 | 10 | 8 | 32 | 24 |
| A94-674038 | 8 | 6 | 3 | 6 | 3 | 13 |
| A94-674047 | 7 | 19 | 14 | 5 | 5 | 14 |
| A94-674050 | 29 | 27 | 6 | 14 | 39 | 11 |
| A94-772006 | 12 | 1 | 19 | 15 | 20 | 8 |
| A94-772011 | 22 | 11 | 19 | 24 | 18 | 23 |
| A94-772027 | 16 | 4 | 2 | 19 | 4 | 35 |
| A94-774016 | 2 | 10 | 4 | 2 | 2 | 2 |
| A94-774018 | 4 | 29 | 1 | 1 | 19 | 3 |
| A94-774021 | 1 | 3 | 10 | 3 | 1 | 6 |
| A94-774034 | 24 | 13 | 13 | 33 | 35 | 20 |
| A94-774063 | 3 | 5 | 8 | 4 | 6 | 10 |
| C1904 | 31 | 32 | 33 | 35 | 28 | 7 |
| C1908 | 26 | 34 | 31 | 31 | 25 | 18 |
| C1909 | 34 | 26 | 27 | 34 | 29 | 36 |
| C1911 | 25 | 18 | 26 | 32 | 16 | 40 |
| C1919 | 14 | 14 | 32 | 13 | 21 | 3 |
| C1927 | 32 | 9 | 39 | 37 | 33 | 27 |
| HC89-2230 | 33 | 37 | 7 | 25 | 17 | 34 |
| HC90-3067 | 10 | 25 | 10 | 7 | 7 | 14 |
| LN91-3809 | 22 | 15 | 25 | 11 | 38 | 33 |
| LN92-3709 | 17 | 16 | 23 | 20 | 34 | 22 |
| LN92-4945 | 13 | 23 | 29 | 23 | 22 | 8 |
| LN92-5565 | 11 | 33 | 17 | 8 | 11 | 18 |
| LN92-5578 | 28 | 20 | 29 | 22 | 22 | 32 |
| LN92-5620 | 14 | 40 | 21 | 12 | 12 | 25 |
| LN92-8175 | 19 | 8 | 28 | 17 | 30 | 20 |
| LN92-8247 | 20 | 20 | 18 | 26 | 9 | 17 |
| LN92-12554 | 30 | 29 | 34 | 38 | 12 | 30 |
| LN92-12577 | 35 | 17 | 14 | 36 | 22 | 39 |
| LN92-12593 | 38 | 28 | 22 | 39 | 36 | 36 |
| SS90-745 | 5 | 36 | 5 | 10 | 12 | 5 |
| SS92-6590 | 35 | 39 | 38 | 28 | 9 | 30 |
| SS92-6831 | 37 | 35 | 40 | 15 | 26 | 38 |
| SS92-6980 | 39 | 31 | 35 | 30 | 26 | 28 |
| SS92-7130 | 27 | 22 | 36 | 26 | 8 | 28 |
| SS92-7136 | 40 | 38 | 37 | 40 | 30 | 26 |

PRELIMINARY TEST IIIA, 1995

YIELD RANK

| Strain | Columbia MO | David City NE | Tekamah NE | Hoyt- ville OH | So. Charles- ton OH |
|------------------|----------------|---------------------|---------------|----------------------|---------------------------|
| Flyer (IV) | 27 | 20 | 31 | 21 | 15 |
| IA2007 BC (II) | 37 | 9 | 26 | 13 | 34 |
| LN88-10534 (III) | 4 | 16 | 4 | 17 | 23 |
| Thorne (BSR) | 29 | 13 | 9 | 12 | 13 |
| A94-674038 | 34 | 3 | 19 | 37 | 37 |
| A94-674047 | 20 | 19 | 24 | 27 | 26 |
| A94-674050 | 39 | 10 | 22 | 14 | 36 |
| A94-772006 | 36 | 12 | 5 | 8 | 40 |
| A94-772011 | 40 | 15 | 8 | 9 | 11 |
| A94-772027 | 38 | 8 | 10 | 16 | 38 |
| A94-774016 | 18 | 11 | 1 | 3 | 18 |
| A94-774018 | 10 | 6 | 2 | 5 | 30 |
| A94-774021 | 4 | 5 | 3 | 1 | 22 |
| A94-774034 | 3 | 24 | 13 | 28 | 35 |
| A94-774063 | 6 | 1 | 14 | 2 | 31 |
| C1904 | 16 | 31 | 36 | 35 | 4 |
| C1908 | 15 | 29 | 27 | 17 | 7 |
| C1909 | 19 | 30 | 33 | 37 | 28 |
| C1911 | 20 | 33 | 20 | 24 | 8 |
| C1919 | 32 | 21 | 32 | 15 | 1 |
| C1927 | 33 | 22 | 25 | 26 | 25 |
| HC89-2230 | 8 | 28 | 34 | 39 | 29 |
| HC90-3067 | 25 | 18 | 30 | 19 | 16 |
| LN91-3809 | 28 | 25 | 6 | 25 | 19 |
| LN92-3709 | 13 | 17 | 11 | 33 | 9 |
| LN92-4945 | 26 | 2 | 7 | 31 | 9 |
| LN92-5565 | 31 | 7 | 12 | 6 | 20 |
| LN92-5578 | 34 | 32 | 28 | 11 | 27 |
| LN92-5620 | 17 | 25 | 15 | 4 | 1 |
| LN92-8175 | 24 | 14 | 23 | 31 | 17 |
| LN92-8247 | 30 | 23 | 16 | 10 | 32 |
| LN92-12554 | 1 | 34 | 29 | 34 | 5 |
| LN92-12577 | 22 | 35 | 37 | 22 | 39 |
| LN92-12593 | 11 | 37 | 21 | 36 | 33 |
| SS90-745 | 23 | 4 | 18 | 22 | 6 |
| SS92-6590 | 7 | 27 | 16 | 40 | 13 |
| SS92-6831 | 9 | 36 | 38 | 30 | 21 |
| SS92-6980 | 11 | 40 | 35 | 19 | 12 |
| SS92-7130 | 2 | 38 | 39 | 7 | 23 |
| SS92-7136 | 14 | 39 | 40 | 29 | 3 |

PRELIMINARY TEST IIIA, 1995

MATURITY (date)

| Strain | Mean 9 Tests | Fair- field IA | Stuart IA | Urbana IL | Lafay- ette IN | Man- hattan KS |
|------------------|--------------------|----------------------|--------------|--------------|----------------------|----------------------|
| Flyer (IV) | 5.1 | | 5 | 4 | 6 | 2 |
| IA2007 BC (II) | -5.2 | | -4 | -6 | -8 | -7 |
| LN88-10534 (III) | 09/26 | | 10/03 | 09/26 | 09/22 | 10/06 |
| Thorne (BSR) | 0.3 | | -2 | 2 | 0 | -3 |
| A94-674038 | -3.9 | | -4 | -2 | -4 | -5 |
| A94-674047 | 0.7 | | 0 | 0 | 0 | 3 |
| A94-674050 | 0.7 | | -1 | 2 | 1 | 0 |
| A94-772006 | -5.0 | | -4 | -2 | -7 | -4 |
| A94-772011 | -1.4 | | -1 | 1 | -1 | -5 |
| A94-772027 | -2.1 | | -2 | 0 | -2 | -3 |
| A94-774016 | -1.1 | | -2 | 2 | -1 | -5 |
| A94-774018 | -1.6 | | -2 | 1 | 0 | -1 |
| A94-774021 | 1.2 | | 0 | 2 | 1 | -1 |
| A94-774034 | 3.7 | | 2 | 4 | 3 | 1 |
| A94-774063 | -0.6 | | -2 | 1 | 0 | -4 |
| C1904 | 5.6 | | 2 | 5 | 6 | 1 |
| C1908 | 2.2 | | -1 | 3 | 4 | -1 |
| C1909 | -0.7 | | -2 | -2 | -1 | -1 |
| C1911 | 0.6 | | -2 | 0 | 1 | 1 |
| C1919 | 2.3 | | 3 | 2 | 1 | 1 |
| C1927 | 2.7 | | 2 | 1 | 2 | 1 |
| HC89-2230 | 4.8 | | 2 | 3 | 5 | 1 |
| HC90-3067 | -0.9 | | -1 | 0 | 1 | -3 |
| LN91-3809 | 2.4 | | 2 | 1 | 3 | 1 |
| LN92-3709 | 4.7 | | 4 | 6 | 4 | 1 |
| LN92-4945 | -1.3 | | -2 | 0 | -1 | -3 |
| LN92-5565 | 0.3 | | -1 | 1 | 0 | 0 |
| LN92-5578 | 3.3 | | 2 | 2 | 1 | 2 |
| LN92-5620 | 3.9 | | 2 | 2 | 4 | 1 |
| LN92-8175 | -1.4 | | -1 | -1 | -1 | -3 |
| LN92-8247 | 1.2 | | 0 | 1 | 2 | -1 |
| LN92-12554 | 4.2 | | 2 | 3 | 4 | 1 |
| LN92-12577 | 0.9 | | 1 | 1 | 0 | -1 |
| LN92-12593 | 2.8 | | 4 | 0 | 0 | -2 |
| SS90-745 | -0.7 | | -2 | 0 | 0 | -3 |
| SS92-6590 | 5.8 | | 4 | 3 | 6 | 2 |
| SS92-6831 | 5.0 | | 2 | 4 | 5 | 3 |
| SS92-6980 | 7.6 | | 7 | 7 | 6 | 8 |
| SS92-7130 | 6.1 | | 8 | 6 | 6 | 3 |
| SS92-7136 | 7.4 | | 7 | 8 | 6 | 6 |
| Date Planted | 05/31 | | 06/13 | 06/02 | 06/05 | 06/14 |
| Days to Mature | 117.3 | | 112 | 116 | 109 | 114 |

PRELIMINARY TEST IIIA, 1995

MATURITY (date)

| Strain | Columbia MO | David City NE | Tekamah NE | Hoyt- ville OH | So. Charles- ton OH |
|------------------|----------------|---------------------|---------------|----------------------|---------------------------|
| Flyer (IV) | 5 | 6 | 4 | 8 | 6 |
| IA2007 BC (II) | -9 | -2 | -7 | 3 | -7 |
| LN88-10534 (III) | 09/27 | 09/30 | 09/25 | 09/17 | 09/19 |
| Thorne (BSR) | -1 | 1 | 1 | 1 | 4 |
| A94-674038 | -9 | 0 | -1 | -3 | -7 |
| A94-674047 | 0 | 1 | 2 | -1 | 1 |
| A94-674050 | 1 | 1 | 2 | 1 | -1 |
| A94-772006 | -6 | -2 | -8 | -4 | -8 |
| A94-772011 | -9 | 2 | 0 | 0 | 0 |
| A94-772027 | -8 | 0 | -1 | -1 | -2 |
| A94-774016 | -4 | 3 | 1 | 1 | -5 |
| A94-774018 | -9 | 1 | -2 | 1 | -3 |
| A94-774021 | 3 | 2 | 0 | 5 | -1 |
| A94-774034 | 5 | 2 | 4 | 8 | 4 |
| A94-774063 | 0 | 0 | 0 | 0 | 0 |
| C1904 | 7 | 4 | 10 | 8 | 7 |
| C1908 | 5 | 3 | 5 | 1 | 1 |
| C1909 | -1 | 1 | 1 | 0 | -1 |
| C1911 | 1 | 2 | 1 | 0 | 1 |
| C1919 | 1 | 1 | 4 | 8 | 0 |
| C1927 | 0 | 5 | 5 | 8 | 0 |
| HC89-2230 | 6 | 4 | 8 | 8 | 6 |
| HC90-3067 | -6 | 1 | 0 | 4 | -4 |
| LN91-3809 | 1 | 5 | 3 | 5 | 1 |
| LN92-3709 | 7 | 4 | 4 | 8 | 4 |
| LN92-4945 | -3 | -1 | 2 | 0 | -4 |
| LN92-5565 | 2 | 1 | 2 | 1 | -3 |
| LN92-5578 | 6 | 5 | 4 | 8 | 0 |
| LN92-5620 | 6 | 4 | 7 | 8 | 1 |
| LN92-8175 | -6 | 3 | 1 | 0 | -5 |
| LN92-8247 | 0 | 2 | 3 | 5 | -1 |
| LN92-12554 | 7 | 4 | 5 | 8 | 4 |
| LN92-12577 | 0 | 1 | 3 | 4 | -1 |
| LN92-12593 | 2 | 5 | 4 | 8 | 4 |
| SS90-745 | -5 | 2 | 2 | 0 | 0 |
| SS92-6590 | 7 | 6 | 10 | 8 | 6 |
| SS92-6831 | 5 | 8 | 5 | 8 | 5 |
| SS92-6980 | 7 | 8 | 10 | 8 | 7 |
| SS92-7130 | 7 | 3 | 7 | 8 | 7 |
| SS92-7136 | 7 | 8 | 9 | 8 | 8 |
| Date Planted | 06/22 | 06/06 | 05/18 | 05/22 | 04/28 |
| Days to Mature | 97 | 116 | 130 | 118 | 144 |

PRELIMINARY TEST IIIA, 1995

LODGING (score)

| Strain | Mean 10 Tests | Fair- field IA | Stuart IA | Urbana IL | Lafay- ette IN | Man- hattan KS |
|------------------|---------------------|----------------------|--------------|--------------|----------------------|----------------------|
| Flyer (IV) | 1.4 | 1.8 | 1.2 | 3.0 | 1.0 | 1.5 |
| IA2007 BC (II) | 1.1 | 1.3 | 1.0 | 1.0 | 1.0 | 2.0 |
| LN88-10534 (III) | 1.4 | 1.5 | 1.1 | 2.3 | 1.0 | 2.0 |
| Thorne (BSR) | 1.5 | 2.3 | 1.1 | 3.0 | 1.0 | 2.0 |
| A94-674038 | 1.5 | 2.0 | 1.3 | 2.3 | 1.3 | 2.0 |
| A94-674047 | 1.6 | 2.3 | 1.2 | 2.3 | 1.5 | 2.5 |
| A94-674050 | 1.7 | 2.5 | 1.3 | 3.3 | 1.0 | 2.5 |
| A94-772006 | 1.2 | 2.5 | 1.2 | 1.0 | 1.0 | 1.5 |
| A94-772011 | 1.4 | 1.8 | 1.3 | 2.0 | 1.0 | 2.0 |
| A94-772027 | 1.2 | 2.0 | 1.1 | 1.0 | 1.0 | 1.5 |
| A94-774016 | 1.6 | 3.3 | 1.2 | 2.3 | 2.0 | 2.0 |
| A94-774018 | 1.4 | 2.5 | 1.1 | 1.5 | 1.0 | 2.0 |
| A94-774021 | 1.1 | 1.5 | 1.2 | 1.0 | 1.0 | 1.5 |
| A94-774034 | 1.7 | 2.5 | 1.3 | 2.5 | 1.3 | 3.0 |
| A94-774063 | 1.2 | 1.8 | 1.1 | 1.5 | 1.0 | 2.0 |
| C1904 | 1.6 | 2.0 | 1.2 | 2.0 | 1.3 | 2.5 |
| C1908 | 1.7 | 2.5 | 1.2 | 2.8 | 1.0 | 2.5 |
| C1909 | 1.4 | 1.5 | 1.1 | 2.0 | 1.0 | 2.0 |
| C1911 | 1.5 | 2.0 | 1.4 | 2.3 | 1.0 | 2.5 |
| C1919 | 1.3 | 1.5 | 1.2 | 2.3 | 1.0 | 2.0 |
| C1927 | 1.2 | 1.0 | 1.1 | 1.5 | 1.0 | 2.0 |
| HC89-2230 | 1.4 | 2.3 | 1.2 | 2.3 | 1.0 | 2.0 |
| HC90-3067 | 1.7 | 3.0 | 1.2 | 2.5 | 1.5 | 2.0 |
| LN91-3809 | 1.6 | 2.0 | 1.3 | 2.3 | 1.0 | 2.5 |
| LN92-3709 | 1.1 | 2.0 | 1.1 | 1.0 | 1.0 | 1.0 |
| LN92-4945 | 1.4 | 2.0 | 1.1 | 2.0 | 1.3 | 2.0 |
| LN92-5565 | 1.7 | 3.8 | 1.1 | 2.3 | 1.3 | 2.5 |
| LN92-5578 | 1.8 | 3.8 | 1.4 | 2.8 | 1.3 | 2.0 |
| LN92-5620 | 1.5 | 2.8 | 1.1 | 2.5 | 1.3 | 1.5 |
| LN92-8175 | 1.1 | 1.5 | 1.1 | 1.0 | 1.0 | 1.0 |
| LN92-8247 | 1.2 | 2.0 | 1.0 | 1.0 | 1.0 | 1.5 |
| LN92-12554 | 1.3 | 1.3 | 1.0 | 1.5 | 1.0 | 2.0 |
| LN92-12577 | 1.5 | 1.8 | 1.2 | 2.3 | 1.0 | 2.5 |
| LN92-12593 | 1.6 | 2.8 | 1.1 | 2.8 | 1.0 | 2.0 |
| SS90-745 | 1.3 | 2.5 | 1.1 | 1.3 | 1.0 | 1.5 |
| SS92-6590 | 1.2 | 1.5 | 1.0 | 1.5 | 1.0 | 2.0 |
| SS92-6831 | 1.6 | 2.5 | 1.2 | 2.5 | 1.0 | 2.0 |
| SS92-6980 | 1.7 | 2.3 | 1.2 | 2.3 | 1.8 | 3.0 |
| SS92-7130 | 1.4 | 1.3 | 1.2 | 2.0 | 1.0 | 2.0 |
| SS92-7136 | 1.3 | 2.0 | 1.2 | 3.0 | 1.8 | 3.0 |

PRELIMINARY TEST IIIA, 1995

LODGING (score)

| Strain | Columbia MO | David City NE | Tekamah NE | Hoyt- ville OH | So. Charles- ton OH |
|------------------|----------------|---------------------|---------------|----------------------|---------------------------|
| Flyer (IV) | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 |
| IA2007 BC (II) | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LN88-10534 (III) | 1.0 | 1.0 | 1.0 | 1.0 | 1.8 |
| Thorne (BSR) | 1.0 | 1.0 | 1.0 | 1.3 | 1.5 |
| A94-674038 | 1.0 | 1.0 | 1.0 | 1.3 | 1.5 |
| A94-674047 | 1.0 | 1.0 | 1.0 | 1.2 | 1.5 |
| A94-674050 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| A94-772006 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| A94-772011 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 |
| A94-772027 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| A94-774016 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| A94-774018 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 |
| A94-774021 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| A94-774034 | 1.0 | 1.0 | 1.0 | 1.2 | 1.8 |
| A94-774063 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| C1904 | 1.0 | 1.0 | 1.0 | 1.7 | 1.8 |
| C1908 | 1.0 | 1.0 | 1.0 | 2.2 | 1.8 |
| C1909 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 |
| C1911 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| C1919 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| C1927 | 1.0 | 1.0 | 1.0 | 1.5 | 1.0 |
| HC89-2230 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| HC90-3067 | 1.0 | 1.0 | 1.0 | 1.7 | 1.8 |
| LN91-3809 | 1.0 | 1.0 | 1.0 | 1.3 | 2.5 |
| LN92-3709 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LN92-4945 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 |
| LN92-5565 | 1.0 | 1.0 | 1.0 | 1.2 | 1.8 |
| LN92-5578 | 1.0 | 1.0 | 1.0 | 1.3 | 2.0 |
| LN92-5620 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 |
| LN92-8175 | 1.0 | 1.0 | 1.0 | 1.0 | 1.8 |
| LN92-8247 | 1.0 | 1.0 | 1.0 | 1.2 | 1.0 |
| LN92-12554 | 1.0 | 1.0 | 1.0 | 1.2 | 2.0 |
| LN92-12577 | 1.0 | 1.0 | 1.0 | 1.3 | 1.5 |
| LN92-12593 | 1.0 | 1.0 | 1.0 | 1.3 | 2.0 |
| SS90-745 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 |
| SS92-6590 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| SS92-6831 | 1.0 | 1.0 | 1.0 | 1.3 | 2.0 |
| SS92-6980 | 1.0 | 1.0 | 1.0 | 1.5 | 1.8 |
| SS92-7130 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| SS92-7136 | 1.0 | 1.0 | 1.0 | 1.7 | 2.3 |

PRELIMINARY TEST IIIA, 1995

PLANT HEIGHT (inches)

| Strain | Mean 10 Tests | Fair- field IA | Stuart IA | Urbana IL | Lafay- ette IN | Man- hattan KS |
|------------------|---------------------|----------------------|--------------|--------------|----------------------|----------------------|
| Flyer (IV) | 37 | 40 | 35 | 40 | 40 | 36 |
| IA2007 BC (II) | 34 | 42 | 30 | 39 | 36 | 36 |
| LN88-10534 (III) | 37 | 43 | 34 | 43 | 41 | 41 |
| Thorne (BSR) | 35 | 39 | 34 | 40 | 38 | 35 |
| A94-674038 | 32 | 38 | 30 | 38 | 37 | 34 |
| A94-674047 | 37 | 39 | 34 | 44 | 41 | 40 |
| A94-674050 | 37 | 44 | 34 | 44 | 40 | 40 |
| A94-772006 | 31 | 38 | 28 | 36 | 34 | 29 |
| A94-772011 | 33 | 40 | 34 | 41 | 37 | 34 |
| A94-772027 | 34 | 41 | 32 | 40 | 36 | 33 |
| A94-774016 | 29 | 33 | 26 | 40 | 34 | 28 |
| A94-774018 | 38 | 48 | 32 | 46 | 43 | 38 |
| A94-774021 | 31 | 36 | 26 | 37 | 33 | 31 |
| A94-774034 | 35 | 39 | 32 | 42 | 37 | 38 |
| A94-774063 | 32 | 38 | 28 | 36 | 35 | 35 |
| C1904 | 37 | 41 | 35 | 42 | 40 | 38 |
| C1908 | 41 | 46 | 36 | 49 | 48 | 42 |
| C1909 | 37 | 40 | 34 | 43 | 42 | 38 |
| C1911 | 36 | 43 | 29 | 40 | 38 | 40 |
| C1919 | 37 | 41 | 36 | 45 | 44 | 38 |
| C1927 | 34 | 38 | 31 | 42 | 36 | 33 |
| HC89-2230 | 39 | 42 | 36 | 47 | 38 | 41 |
| HC90-3067 | 43 | 48 | 38 | 49 | 49 | 44 |
| LN91-3809 | 40 | 48 | 36 | 47 | 45 | 41 |
| LN92-3709 | 33 | 40 | 31 | 39 | 33 | 32 |
| LN92-4945 | 38 | 46 | 34 | 45 | 44 | 38 |
| LN92-5565 | 36 | 42 | 34 | 45 | 40 | 35 |
| LN92-5578 | 36 | 44 | 33 | 41 | 37 | 36 |
| LN92-5620 | 38 | 42 | 34 | 44 | 41 | 38 |
| LN92-8175 | 37 | 42 | 34 | 44 | 40 | 39 |
| LN92-8247 | 36 | 40 | 30 | 42 | 39 | 36 |
| LN92-12554 | 38 | 43 | 34 | 44 | 41 | 38 |
| LN92-12577 | 39 | 45 | 36 | 45 | 42 | 39 |
| LN92-12593 | 38 | 47 | 37 | 45 | 40 | 37 |
| SS90-745 | 36 | 40 | 32 | 44 | 38 | 38 |
| SS92-6590 | 39 | 42 | 32 | 45 | 43 | 42 |
| SS92-6831 | 38 | 46 | 35 | 45 | 41 | 41 |
| SS92-6980 | 40 | 46 | 36 | 46 | 43 | 41 |
| SS92-7130 | 37 | 42 | 32 | 44 | 41 | 39 |
| SS92-7136 | 43 | 46 | 38 | 51 | 46 | 46 |

PRELIMINARY TEST IIIA, 1995

PLANT HEIGHT (inches)

| Strain | Columbia MO | David City NE | Tekamah NE | Hoyt- ville OH | So. Charles- ton OH |
|------------------|----------------|---------------------|---------------|----------------------|---------------------------|
| Flyer (IV) | 34 | 37 | 37 | 34 | 34 |
| IA2007 BC (II) | 30 | 35 | 36 | 29 | 24 |
| LN88-10534 (III) | 35 | 38 | 38 | 32 | 29 |
| Thorne (BSR) | 32 | 34 | 34 | 34 | 27 |
| A94-674038 | 30 | 33 | 34 | 27 | 22 |
| A94-674047 | 35 | 40 | 40 | 33 | 27 |
| A94-674050 | 32 | 39 | 35 | 35 | 29 |
| A94-772006 | 30 | 34 | 30 | 28 | 22 |
| A94-772011 | 28 | 32 | 31 | 31 | 24 |
| A94-772027 | 25 | 35 | 33 | 32 | 28 |
| A94-774016 | 27 | 30 | 29 | 25 | 20 |
| A94-774018 | 38 | 40 | 41 | 34 | 23 |
| A94-774021 | 28 | 30 | 32 | 29 | 25 |
| A94-774034 | 33 | 36 | 35 | 30 | 26 |
| A94-774063 | 30 | 32 | 32 | 31 | 26 |
| C1904 | 35 | 33 | 38 | 37 | 31 |
| C1908 | 38 | 40 | 45 | 39 | 31 |
| C1909 | 36 | 35 | 37 | 36 | 29 |
| C1911 | 32 | 34 | 34 | 35 | 31 |
| C1919 | 33 | 40 | 36 | 32 | 29 |
| C1927 | 31 | 34 | 35 | 32 | 28 |
| HC89-2230 | 34 | 41 | 41 | 35 | 34 |
| HC90-3067 | 40 | 45 | 45 | 40 | 28 |
| LN91-3809 | 37 | 42 | 41 | 35 | 29 |
| LN92-3709 | 28 | 35 | 33 | 28 | 29 |
| LN92-4945 | 35 | 38 | 39 | 33 | 24 |
| LN92-5565 | 32 | 38 | 35 | 36 | 27 |
| LN92-5578 | 33 | 36 | 38 | 36 | 28 |
| LN92-5620 | 34 | 40 | 39 | 37 | 28 |
| LN92-8175 | 35 | 36 | 39 | 34 | 28 |
| LN92-8247 | 34 | 38 | 36 | 34 | 29 |
| LN92-12554 | 35 | 40 | 38 | 35 | 30 |
| LN92-12577 | 35 | 40 | 39 | 37 | 27 |
| LN92-12593 | 35 | 41 | 39 | 33 | 28 |
| SS90-745 | 32 | 38 | 37 | 31 | 28 |
| SS92-6590 | 35 | 40 | 40 | 31 | 35 |
| SS92-6831 | 35 | 35 | 35 | 38 | 30 |
| SS92-6980 | 35 | 42 | 40 | 35 | 34 |
| SS92-7130 | 32 | 40 | 39 | 33 | 31 |
| SS92-7136 | 37 | 44 | 44 | 43 | 36 |

PRELIMINARY TEST IIIA, 1995

SEED QUALITY (score)

| Strain | Mean 10 Tests | Fair- field IA | Stuart IA | Urbana IL | Lafay- ette IN | Man- hattan KS |
|------------------|---------------------|----------------------|--------------|--------------|----------------------|----------------------|
| Flyer (IV) | 1.6 | 2.0 | 2.0 | 1.5 | 1.0 | 2.0 |
| IA2007 BC (II) | 2.0 | 1.0 | 2.0 | 1.5 | 2.0 | 2.0 |
| LN88-10534 (III) | 1.5 | 2.0 | 2.0 | 1.8 | 1.0 | 2.0 |
| Thorne (BSR) | 1.7 | 1.0 | 1.0 | 1.8 | 2.0 | 3.0 |
| A94-674038 | 2.3 | 2.0 | 2.0 | 1.8 | 2.0 | 2.0 |
| A94-674047 | 2.2 | 2.0 | 3.0 | 1.8 | 3.0 | 2.0 |
| A94-674050 | 1.8 | 1.0 | 2.0 | 1.8 | 2.0 | 2.0 |
| A94-772006 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| A94-772011 | 2.1 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| A94-772027 | 1.6 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| A94-774016 | 1.7 | 2.0 | 1.0 | 1.8 | 2.0 | 2.0 |
| A94-774018 | 2.1 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 |
| A94-774021 | 1.7 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 |
| A94-774034 | 1.9 | 2.0 | 1.0 | 2.0 | 2.0 | 3.0 |
| A94-774063 | 1.9 | 1.0 | 2.0 | 2.3 | 2.0 | 2.0 |
| C1904 | 1.9 | 2.0 | 1.0 | 1.8 | 2.0 | 2.0 |
| C1908 | 1.8 | 1.0 | 2.0 | 1.8 | 2.0 | 2.0 |
| C1909 | 2.0 | 2.0 | 2.0 | 2.3 | 2.0 | 2.0 |
| C1911 | 1.7 | 1.0 | 2.0 | 1.8 | 2.0 | 2.0 |
| C1919 | 1.8 | 1.0 | 1.0 | 2.3 | 2.0 | 2.0 |
| C1927 | 1.9 | 1.0 | 1.0 | 1.8 | 3.0 | 2.0 |
| HC89-2230 | 1.7 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 |
| HC90-3067 | 1.6 | 1.0 | 2.0 | 1.8 | 1.0 | 2.0 |
| LN91-3809 | 1.7 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 |
| LN92-3709 | 2.1 | 2.0 | 3.0 | 2.0 | 3.0 | 2.0 |
| LN92-4945 | 1.8 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| LN92-5565 | 1.8 | 1.0 | 1.0 | 1.5 | 2.0 | 2.0 |
| LN92-5578 | 1.7 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| LN92-5620 | 1.8 | 1.0 | 1.0 | 1.8 | 2.0 | 2.0 |
| LN92-8175 | 2.1 | 2.0 | 2.0 | 2.3 | 2.0 | 4.0 |
| LN92-8247 | 1.3 | 1.0 | 1.0 | 1.5 | 1.0 | 2.0 |
| LN92-12554 | 1.9 | 2.0 | 1.0 | 2.0 | 1.0 | 3.0 |
| LN92-12577 | 1.6 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| LN92-12593 | 1.8 | 2.0 | 2.0 | 1.8 | 2.0 | 2.0 |
| SS90-745 | 1.6 | 1.0 | 2.0 | 1.5 | 1.0 | 2.0 |
| SS92-6590 | 2.0 | 2.0 | 2.0 | 1.8 | 2.0 | 2.0 |
| SS92-6831 | 1.5 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 |
| SS92-6980 | 2.1 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 |
| SS92-7130 | 1.8 | 2.0 | 2.0 | 1.8 | 2.0 | 2.0 |
| SS92-7136 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |

PRELIMINARY TEST IIIA, 1995

SEED QUALITY (score)

| Strain | Columbia MO | David City NE | Tekamah NE | Hoyt- ville OH | So. Charles- ton OH |
|------------------|----------------|---------------------|---------------|----------------------|---------------------------|
| Flyer (IV) | 1.0 | 2.0 | 1.5 | 1.0 | 1.5 |
| IA2007 BC (II) | 2.0 | 2.0 | 2.0 | 2.0 | 3.5 |
| LN88-10534 (III) | 1.0 | 1.5 | 1.0 | 1.0 | 2.0 |
| Thorne (BSR) | 1.0 | 2.5 | 1.0 | 2.0 | 2.0 |
| A94-674038 | 2.0 | 2.5 | 2.0 | 3.0 | 4.0 |
| A94-674047 | 2.0 | 2.0 | 1.0 | 2.0 | 3.0 |
| A94-674050 | 2.0 | 2.0 | 1.5 | 1.0 | 3.0 |
| A94-772006 | 1.0 | 1.5 | 2.0 | 2.0 | 2.5 |
| A94-772011 | 3.0 | 2.0 | 2.0 | 2.0 | 2.5 |
| A94-772027 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 |
| A94-774016 | 1.0 | 2.0 | 1.5 | 1.0 | 2.5 |
| A94-774018 | 2.0 | 2.5 | 2.0 | 1.0 | 2.5 |
| A94-774021 | 1.0 | 2.0 | 1.5 | 1.0 | 3.0 |
| A94-774034 | 2.0 | 2.0 | 1.0 | 2.0 | 2.3 |
| A94-774063 | 2.0 | 2.0 | 1.0 | 2.0 | 3.0 |
| C1904 | 2.0 | 2.0 | 2.5 | 1.0 | 2.5 |
| C1908 | 1.0 | 2.5 | 1.5 | 1.0 | 3.0 |
| C1909 | 1.0 | 3.0 | 1.5 | 2.0 | 2.5 |
| C1911 | 1.0 | 2.0 | 1.5 | 1.0 | 3.0 |
| C1919 | 2.0 | 2.0 | 1.5 | 1.0 | 2.8 |
| C1927 | 1.0 | 2.5 | 3.0 | 1.0 | 2.3 |
| HC89-2230 | 2.0 | 2.0 | 1.5 | 1.0 | 1.8 |
| HC90-3067 | 1.0 | 2.5 | 1.5 | 1.0 | 2.5 |
| LN91-3809 | 1.0 | 3.0 | 2.0 | 1.0 | 2.3 |
| LN92-3709 | 1.0 | 1.5 | 2.0 | 2.0 | 2.0 |
| LN92-4945 | 1.0 | 2.0 | 1.5 | 2.0 | 3.5 |
| LN92-5565 | 2.0 | 2.0 | 1.0 | 2.0 | 3.0 |
| LN92-5578 | 2.0 | 2.0 | 1.5 | 1.0 | 2.5 |
| LN92-5620 | 2.0 | 2.0 | 2.0 | 2.0 | 2.5 |
| LN92-8175 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| LN92-8247 | 1.0 | 1.0 | 1.5 | 1.0 | 1.5 |
| LN92-12554 | 1.0 | 2.0 | 2.0 | 2.0 | 2.8 |
| LN92-12577 | 1.0 | 1.5 | 1.5 | 1.0 | 2.3 |
| LN92-12593 | 1.0 | 2.5 | 1.5 | 1.0 | 2.3 |
| SS90-745 | 2.0 | 2.0 | 1.5 | 1.0 | 2.0 |
| SS92-6590 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| SS92-6831 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 |
| SS92-6980 | 2.0 | 2.5 | 1.5 | 2.0 | 2.0 |
| SS92-7130 | 1.0 | 2.0 | 1.5 | 2.0 | 2.0 |
| SS92-7136 | 1.0 | 2.5 | 1.5 | 1.0 | 2.5 |

PRELIMINARY TEST IIIA, 1995

SEED SIZE (g/100)

| Strain | Mean 9 Tests | Fair- field IA | Stuart IA | Urbana IL | Lafay- ette IN | Man- hattan KS |
|------------------|--------------------|----------------------|--------------|--------------|----------------------|----------------------|
| Flyer (IV) | 12.6 | 12.2 | 11.2 | 14.4 | 11.7 | 14.2 |
| IA2007 BC (II) | 15.6 | 15.6 | 13.6 | 16.3 | 12.6 | 18.7 |
| LN88-10534 (III) | 14.1 | 13.4 | 11.5 | 14.7 | 12.6 | 16.8 |
| Thorne (BSR) | 15.3 | 15.0 | 13.2 | 17.5 | 13.0 | 16.8 |
| A94-674038 | 15.8 | 15.2 | 12.9 | 17.2 | 12.8 | 18.0 |
| A94-674047 | 15.9 | 13.5 | 12.0 | 16.8 | 12.7 | 15.6 |
| A94-674050 | 12.4 | 11.5 | 10.2 | 14.5 | 10.0 | 14.4 |
| A94-772006 | 15.3 | 14.6 | 12.7 | 17.3 | 11.8 | 18.0 |
| A94-772011 | 14.2 | 13.8 | 11.9 | 16.0 | 11.1 | 16.8 |
| A94-772027 | 16.8 | 15.6 | 14.1 | 18.3 | 15.8 | 19.4 |
| A94-774016 | 13.7 | 13.2 | 11.0 | 16.1 | 12.2 | 15.4 |
| A94-774018 | 14.5 | 13.0 | 10.6 | 15.3 | 11.0 | 15.2 |
| A94-774021 | 13.5 | 12.8 | 10.4 | 14.5 | 13.5 | 15.0 |
| A94-774034 | 12.6 | 12.2 | 10.6 | 14.6 | 10.6 | 14.0 |
| A94-774063 | 12.7 | 12.6 | 10.6 | 14.5 | 11.9 | 13.9 |
| C1904 | 15.0 | 13.8 | 13.0 | 16.5 | 15.0 | 16.5 |
| C1908 | 14.5 | 14.2 | 12.2 | 16.0 | 13.4 | 17.0 |
| C1909 | 15.5 | 14.6 | 13.2 | 17.5 | 13.3 | 18.6 |
| C1911 | 16.5 | 15.0 | 13.2 | 16.0 | 14.4 | 16.0 |
| C1919 | 13.0 | 13.0 | 11.0 | 14.0 | 11.4 | 15.0 |
| C1927 | 14.3 | 14.0 | 11.6 | 15.4 | 13.1 | 16.6 |
| HC89-2230 | 12.4 | 11.6 | 10.5 | 14.3 | 11.8 | 13.6 |
| HC90-3067 | 13.4 | 12.8 | 10.8 | 15.6 | 11.6 | 16.1 |
| LN91-3809 | 13.2 | 13.1 | 11.5 | 14.6 | 11.1 | 13.8 |
| LN92-3709 | 16.5 | 15.8 | 14.4 | 19.0 | 14.4 | 18.8 |
| LN92-4945 | 16.2 | 16.3 | 13.4 | 17.4 | 14.6 | 18.6 |
| LN92-5565 | 15.9 | 13.0 | 12.3 | 16.8 | 12.8 | 16.2 |
| LN92-5578 | 14.1 | 13.5 | 12.3 | 17.2 | 11.8 | 15.7 |
| LN92-5620 | 17.0 | 16.2 | 12.6 | 16.9 | 13.7 | 17.3 |
| LN92-8175 | 13.8 | 14.3 | 12.0 | 15.3 | 11.3 | 16.0 |
| LN92-8247 | 13.7 | 13.0 | 12.0 | 14.9 | 12.5 | 15.6 |
| LN92-12554 | 14.6 | 13.4 | 12.2 | 16.5 | 14.6 | 16.6 |
| LN92-12577 | 16.9 | 17.8 | 14.2 | 17.2 | 15.9 | 19.3 |
| LN92-12593 | 15.9 | 17.0 | 13.4 | 16.9 | 12.8 | 17.9 |
| SS90-745 | 13.7 | 12.8 | 11.8 | 15.3 | 12.8 | 15.4 |
| SS92-6590 | 12.9 | 12.4 | 10.6 | 13.7 | 12.7 | 14.9 |
| SS92-6831 | 13.8 | 13.0 | 11.6 | 15.4 | 12.3 | 16.2 |
| SS92-6980 | 13.2 | 13.0 | 10.9 | 14.2 | 13.1 | 15.8 |
| SS92-7130 | 14.0 | 13.8 | 11.2 | 15.3 | 14.7 | 15.6 |
| SS92-7136 | 12.6 | 12.6 | 10.1 | 13.7 | 13.1 | 13.9 |

PRELIMINARY TEST IIIA, 1995

SEED SIZE (g/100)

| Strain | Columbia MO | David City NE | Tekamah NE | Hoyt- ville OH | So. Charles- ton OH |
|------------------|----------------|---------------------|---------------|----------------------|---------------------------|
| Flyer (IV) | | 13.0 | 12.4 | 11.6 | 12.8 |
| IA2007 BC (II) | | 17.2 | 16.8 | 13.9 | 15.5 |
| LN88-10534 (III) | | 15.1 | 15.3 | 14.2 | 13.0 |
| Thorne (BSR) | | 16.6 | 16.5 | 14.3 | 15.2 |
| A94-674038 | | 17.0 | 16.4 | 16.3 | 16.1 |
| A94-674047 | | 15.9 | 27.9 | 13.9 | 15.0 |
| A94-674050 | | 13.3 | 13.7 | 11.2 | 12.7 |
| A94-772006 | | 17.0 | 16.2 | 15.2 | 15.1 |
| A94-772011 | | 16.1 | 15.6 | 12.9 | 13.6 |
| A94-772027 | | 17.6 | 17.6 | 15.6 | 17.1 |
| A94-774016 | | 14.7 | 14.8 | 12.6 | 13.7 |
| A94-774018 | | 14.3 | 27.2 | 11.5 | 12.5 |
| A94-774021 | | 15.3 | 14.8 | 12.3 | 12.8 |
| A94-774034 | | 13.8 | 13.6 | 12.2 | 12.1 |
| A94-774063 | | 14.0 | 13.7 | 11.4 | 11.8 |
| C1904 | | 15.0 | 16.0 | 13.5 | 15.6 |
| C1908 | | 14.9 | 14.9 | 13.8 | 13.9 |
| C1909 | | 16.0 | 15.9 | 14.6 | 15.6 |
| C1911 | | 15.6 | 28.8 | 13.9 | 15.3 |
| C1919 | | 13.8 | 14.3 | 12.3 | 12.2 |
| C1927 | | 15.4 | 15.4 | 13.4 | 13.9 |
| HC89-2230 | | 12.3 | 13.1 | 11.7 | 12.7 |
| HC90-3067 | | 14.0 | 13.5 | 12.3 | 13.6 |
| LN91-3809 | | 13.7 | 14.7 | 12.2 | 13.7 |
| LN92-3709 | | 16.5 | 18.5 | 14.9 | 16.3 |
| LN92-4945 | | 17.6 | 17.1 | 14.0 | 16.5 |
| LN92-5565 | | 15.2 | 27.9 | 13.1 | 15.6 |
| LN92-5578 | | 14.2 | 15.1 | 13.2 | 13.6 |
| LN92-5620 | | 16.4 | 29.6 | 14.8 | 15.7 |
| LN92-8175 | | 14.1 | 15.3 | 12.7 | 13.3 |
| LN92-8247 | | 14.3 | 15.2 | 12.7 | 12.7 |
| LN92-12554 | | 14.2 | 16.1 | 13.9 | 14.1 |
| LN92-12577 | | 16.2 | 18.7 | 16.7 | 15.9 |
| LN92-12593 | | 15.8 | 18.0 | 15.2 | 15.7 |
| SS90-745 | | 14.7 | 14.5 | 13.0 | 12.7 |
| SS92-6590 | | 13.1 | 13.9 | 12.5 | 12.6 |
| SS92-6831 | | 13.9 | 15.3 | 13.1 | 13.4 |
| SS92-6980 | | 12.7 | 14.2 | 12.4 | 12.7 |
| SS92-7130 | | 13.4 | 15.0 | 13.2 | 13.6 |
| SS92-7136 | | 11.9 | 13.1 | 12.2 | 12.6 |

PRELIMINARY TEST IIIA, 1995

PROTEIN (%)

| Strain | Mean 5 Tests | Fairfield IA | Urbana IL | Lafayette IN | David City NE | Hoytville OH |
|------------------|--------------------|-----------------|--------------|-----------------|---------------------|-----------------|
| Flyer (IV) | 42.3 | 41.1 | 43.4 | 43.4 | 41.8 | 41.9 |
| IA2007 BC (II) | 40.3 | 39.0 | 40.6 | 42.9 | 39.0 | 40.1 |
| LN88-10534 (III) | 41.9 | 40.9 | 42.6 | 42.9 | 40.3 | 42.9 |
| Thorne (BSR) | 43.1 | 42.1 | 43.8 | 44.7 | 41.5 | 43.2 |
| A94-674038 | 42.2 | 40.0 | 42.2 | 44.7 | 41.3 | 42.6 |
| A94-674047 | 40.3 | 38.4 | 41.9 | 41.9 | 39.3 | 40.0 |
| A94-674050 | 40.5 | 39.0 | 42.1 | 41.7 | 40.0 | 39.9 |
| A94-772006 | 40.9 | 38.8 | 41.1 | 43.9 | 39.5 | 41.0 |
| A94-772011 | 41.2 | 38.6 | 42.6 | 43.4 | 40.8 | 40.4 |
| A94-772027 | 40.7 | 39.0 | 41.8 | 43.5 | 39.4 | 39.8 |
| A94-774016 | 39.3 | 37.6 | 40.0 | 41.4 | 38.2 | 39.5 |
| A94-774018 | 38.8 | 38.0 | 40.3 | 40.6 | 38.1 | 36.8 |
| A94-774021 | 38.8 | 36.7 | 40.0 | 40.6 | 38.1 | 38.6 |
| A94-774034 | 41.9 | 39.9 | 43.4 | 44.0 | 41.0 | 41.1 |
| A94-774063 | 41.1 | 39.3 | 42.2 | 43.1 | 40.4 | 40.3 |
| C1904 | 42.2 | 40.8 | 44.2 | 42.6 | 41.1 | 42.5 |
| C1908 | 41.9 | 40.8 | 43.0 | 43.0 | 41.2 | 41.7 |
| C1909 | 43.8 | 42.1 | 45.6 | 45.3 | 42.6 | 43.3 |
| C1911 | 44.7 | 44.3 | 46.4 | 46.7 | 43.5 | 42.8 |
| C1919 | 40.3 | 38.6 | 41.1 | 42.2 | 39.7 | 40.1 |
| C1927 | 40.7 | 38.9 | 41.5 | 42.0 | 40.2 | 41.0 |
| HC89-2230 | 40.6 | 38.7 | 42.0 | 41.9 | 40.3 | 40.1 |
| HC90-3067 | 40.4 | 38.8 | 42.2 | 42.3 | 39.1 | 39.4 |
| LN91-3809 | 41.1 | 40.3 | 41.4 | 42.8 | 40.8 | 40.3 |
| LN92-3709 | 42.2 | 41.7 | 42.6 | 44.2 | 41.8 | 40.9 |
| LN92-4945 | 40.4 | 39.0 | 42.3 | 43.1 | 39.8 | 38.0 |
| LN92-5565 | 42.6 | 40.7 | 43.3 | 44.1 | 42.1 | 42.6 |
| LN92-5578 | 41.9 | 39.6 | 43.2 | 44.5 | 41.1 | 41.3 |
| LN92-5620 | 41.8 | 41.1 | 43.3 | 43.6 | 40.6 | 40.5 |
| LN92-8175 | 43.2 | 41.7 | 44.8 | 45.0 | 41.8 | 42.8 |
| LN92-8247 | 42.4 | 41.0 | 43.4 | 44.1 | 41.1 | 42.2 |
| LN92-12554 | 40.0 | 39.0 | 40.6 | 41.4 | 39.2 | 39.8 |
| LN92-12577 | 41.1 | 39.6 | 41.7 | 43.5 | 39.7 | 40.9 |
| LN92-12593 | 40.2 | 39.5 | 41.2 | 42.4 | 38.8 | 39.2 |
| SS90-745 | 40.9 | 39.0 | 41.8 | 42.9 | 40.0 | 40.7 |
| SS92-6590 | 40.5 | 40.1 | 41.6 | 41.0 | 40.1 | 39.9 |
| SS92-6831 | 42.3 | 41.3 | 43.2 | 43.2 | 41.5 | 42.1 |
| SS92-6980 | 40.5 | 40.6 | 41.1 | 41.1 | 39.6 | 40.2 |
| SS92-7130 | 41.2 | 40.9 | 40.9 | 42.5 | 41.4 | 40.5 |
| SS92-7136 | 40.7 | 40.8 | 41.0 | 40.7 | 40.6 | 40.3 |

PRELIMINARY TEST IIIA, 1995

OIL (%)

| Strain | Mean 5 Tests | Fairfield IA | Urbana IL | Lafayette IN | David City NE | Hoytville OH |
|------------------|--------------------|-----------------|--------------|-----------------|---------------------|-----------------|
| Flyer (IV) | 19.9 | 19.2 | 20.0 | 20.4 | 20.1 | 19.6 |
| IA2007 BC (II) | 21.0 | 20.5 | 22.4 | 20.8 | 20.8 | 20.6 |
| LN88-10534 (III) | 20.1 | 19.4 | 20.5 | 20.6 | 20.4 | 19.8 |
| Thorne (BSR) | 20.1 | 19.5 | 20.7 | 20.4 | 20.0 | 19.9 |
| A94-674038 | 20.5 | 20.3 | 21.0 | 20.5 | 20.1 | 20.8 |
| A94-674047 | 20.1 | 19.5 | 20.3 | 20.6 | 20.0 | 20.2 |
| A94-674050 | 19.2 | 18.5 | 19.7 | 19.2 | 19.2 | 19.6 |
| A94-772006 | 20.4 | 19.2 | 21.1 | 20.9 | 20.0 | 20.7 |
| A94-772011 | 19.8 | 19.1 | 20.1 | 19.8 | 20.1 | 20.0 |
| A94-772027 | 20.3 | 18.9 | 20.7 | 21.0 | 20.4 | 20.7 |
| A94-774016 | 20.4 | 19.6 | 21.1 | 20.7 | 20.3 | 20.3 |
| A94-774018 | 20.9 | 20.1 | 21.3 | 21.2 | 21.0 | 21.1 |
| A94-774021 | 20.4 | 19.5 | 20.6 | 20.9 | 20.3 | 20.5 |
| A94-774034 | 19.7 | 19.0 | 20.2 | 19.7 | 19.4 | 20.1 |
| A94-774063 | 20.5 | 19.7 | 20.8 | 20.6 | 20.7 | 20.6 |
| C1904 | 19.7 | 18.4 | 20.1 | 20.2 | 20.1 | 19.6 |
| C1908 | 20.4 | 19.7 | 20.6 | 21.3 | 19.8 | 20.6 |
| C1909 | 19.8 | 19.2 | 20.1 | 20.5 | 18.8 | 20.3 |
| C1911 | 20.0 | 18.7 | 20.1 | 20.5 | 20.2 | 20.7 |
| C1919 | 20.4 | 19.5 | 20.8 | 20.9 | 20.1 | 20.5 |
| C1927 | 20.1 | 19.5 | 20.2 | 19.9 | 20.7 | 20.2 |
| HC89-2230 | 19.6 | 18.5 | 20.5 | 20.2 | 19.4 | 19.6 |
| HC90-3067 | 21.0 | 20.7 | 21.1 | 21.1 | 20.9 | 21.4 |
| LN91-3809 | 19.5 | 18.6 | 20.1 | 19.2 | 19.5 | 19.9 |
| LN92-3709 | 19.8 | 18.5 | 20.3 | 20.1 | 19.7 | 20.5 |
| LN92-4945 | 20.1 | 19.3 | 20.5 | 20.3 | 19.6 | 20.9 |
| LN92-5565 | 19.7 | 19.4 | 20.5 | 20.1 | 19.4 | 19.3 |
| LN92-5578 | 19.1 | 18.8 | 19.4 | 18.7 | 18.9 | 19.5 |
| LN92-5620 | 19.3 | 18.8 | 19.7 | 19.8 | 18.6 | 19.4 |
| LN92-8175 | 19.6 | 19.0 | 20.0 | 19.6 | 19.6 | 19.8 |
| LN92-8247 | 19.7 | 18.7 | 19.5 | 20.2 | 20.0 | 20.0 |
| LN92-12554 | 20.3 | 19.2 | 20.9 | 21.3 | 19.9 | 20.4 |
| LN92-12577 | 20.6 | 20.1 | 20.9 | 20.7 | 20.2 | 20.9 |
| LN92-12593 | 20.2 | 19.5 | 20.7 | 20.4 | 20.3 | 20.1 |
| SS90-745 | 20.9 | 20.2 | 21.3 | 21.5 | 20.6 | 21.0 |
| SS92-6590 | 20.0 | 18.9 | 20.7 | 20.6 | 19.1 | 20.5 |
| SS92-6831 | 19.7 | 18.7 | 20.1 | 20.5 | 19.4 | 19.8 |
| SS92-6980 | 19.7 | 18.7 | 20.9 | 20.4 | 18.5 | 20.2 |
| SS92-7130 | 19.9 | 19.3 | 21.1 | 20.2 | 18.9 | 20.2 |
| SS92-7136 | 19.5 | 18.6 | 20.4 | 20.5 | 18.2 | 19.6 |

PRELIMINARY TEST IIIB, 1995

| Strain | Parentage | Generation Compositd | Unique Traits |
|------------------|---|----------------------|---------------|
| Flyer (IV) | Asgrow A3127 ⁴ x Williams 82 | BC3 F2 | Rps1-k |
| IA2007 BC (II) | IA2007 x Archer | BC3 F2 | Rps1-k |
| LN88-10534 (III) | LN81-1029 x Asgrow A2943 | F5 | Rps? |
| HF93-041 | HM8632 x A86-204022 | F5 | |
| HF93-076 | Musca x HM8632 | F5 | |
| HS93-3759 | GR8936 x Edison | F5 | Rps1-k |
| HS93-3762 | GR8936 x Edison | F5 | Rps1-k |
| HS93-3769 | GR8936 x Edison | F5 | Rps1-k |
| HS93-3775 | GR8936 x Edison | F5 | Rps1-k |
| HS93-3777 | GR8936 x Edison | F5 | Rps1-k |
| HS93-3780 | GR8936 x Edison | F5 | Rps1-k |
| HS93-3823 | GR8936 x Edison | F5 | Rps1-k |
| HS93-3990 | Edison x Asgrow A3733 | F5 | Rps1-k |
| K1313 | A86-303014 x Stafford | F5 | |
| K1314 | P6902.03 x K82-1-48 | F5 | |
| K1315 | K1119 x Dekalb CX366 | F5 | |
| K1316 | K1119 x Dekalb CX366 | F5 | |
| K1317 | K1119 x Dekalb CX366 | F5 | |
| U94-3113 | Holt x Dairyland DSR 304 | F7 | |
| U94-3126 | SG1Y/10PD2X | F7 | |
| U94-3403 | Uphoff 3100 x ORC8805 | F7 | |
| U94-3410 | Holt x Dairyland DSR 304 | F7 | |
| U94-3412 | Parker x Holt | F7 | |
| U94-3433 | Pioneer P9341 x Agserv 8780 | F7 | |
| U94-3505 | SG1Y/10PD2X | F7 | |
| U94-3518 | Agserv 8780 x Uphoff 3100 | F7 | |
| U94-3526 | SG1Y/10PD2X | F7 | |
| U94-3530 | Holt x Pioneer P9341 | F7 | |
| U94-3532 | Pioneer P9341 x Corsica | F7 | |
| Charleston (dt1) | HC74-634RE x HC78-676 | F5 | dt1 |
| C1903 | Raiden x Resnik | F5 | dt1 |
| C1921 | Charleston x CX1039-99 | F6 | dt1 |
| HC88-15 | Ripley x Essex | F5 | dt1 |
| HC89-57 | Ripley x Essex | F5 | dt1 |
| HC90-1300 | Sprite 87 x HC80-1756 | F5 | dt1 |
| HC90-1431 | Hoyt x HC82-294 | F5 | dt1 |
| HC91-1087 | HC83-4507 x Conrad | F5 | dt1 |
| HC91-1354 | Hobbit 87 x Conrad | F5 | dt1 |
| HC91-1990 | N81-1121 x Sprite 87 | F5 | dt1 |
| HC93-21PR | Charleston ⁶ x Hobbit 87 | BC5 F3 | Rps1-k |

PRELIMINARY TEST IIIB, 1995

DESCRIPTIVE AND DISEASE DATA

| Strain | Descriptive Code | Chlorosis | Shattering | BSR-Ames | |
|------------------|------------------|------------|-----------------|-----------|----------|
| | | Score Ames | Score Manhattan | Plant n % | Stem n % |
| Flyer (IV) | PTTDYB1I | 3.1 | 1 | 100 | 55 |
| IA2007 BC (II) | PTTDYBfI | 3.8 | 1 | 100 | 62 |
| LN88-10534 (III) | PGBDYIbI | 3.5 | 1 | 100 | 46 |
| HF93-041 | PGBSYIbI | 3.6 | 1 | 100 | 55 |
| HF93-076 | PTTDYB1I | 3.0 | 2 | 100 | 58 |
| HS93-3759 | WTTDYB1I | 3.0 | 2 | 100 | 56 |
| HS93-3762 | WTTDYB1I | 3.8 | 1 | 100 | 59 |
| HS93-3769 | WTTDYB1I | 3.5 | 1 | 100 | 64 |
| HS93-3775 | PTTDYB1I | 3.6 | 1 | 100 | 56 |
| HS93-3777 | PTTDYB1I | 3.3 | 1 | 100 | 63 |
| HS93-3780 | P+WTTDYB1I | 3.8 | 1 | 100 | 56 |
| HS93-3823 | PTTDYB1I | 3.6 | 1 | 100 | 60 |
| HS93-3990 | PTTDYB1I | 3.1 | 1 | 100 | 67 |
| K1313 | PTTSYB1I | 2.6 | 1 | 100 | 59 |
| K1314 | PTTDYB1I | 3.5 | 2 | 100 | 53 |
| K1315 | PTTSYB1I | 3.1 | 1 | 100 | 62 |
| K1316 | PTTDYB1I | 2.8 | 1 | 100 | 59 |
| K1317 | PTTDYB1I | 2.5 | 1 | 100 | 63 |
| U94-3113 | WGBDYBfI | 3.0 | 1 | 100 | 64 |
| U94-3126 | P+WG+TTDYHI | 2.8 | 1 | 100 | 53 |
| U94-3403 | PGBDYIbI | 4.0 | 2 | 100 | 67 |
| U94-3410 | WGBDYBfI | 2.6 | 3 | 100 | 70 |
| U94-3412 | WGTDYHI | 3.5 | 1 | 100 | 56 |
| U94-3433 | WGTDYBrI | 3.0 | 1 | 100 | 55 |
| U94-3505 | WGTDYIbI | 3.3 | 1 | 100 | 59 |
| U94-3518 | WGBDYIbI | 2.8 | 1 | 100 | 51 |
| U94-3526 | PGTDYIbI | 3.8 | 1 | 100 | 58 |
| U94-3530 | WGBDYBfI | 3.0 | 1 | 100 | 61 |
| U94-3532 | WTTDYHI | 3.3 | 1 | 100 | 50 |
| Charleston (dt1) | PGBDYYD | 3.0 | 1 | 100 | 78 |
| C1903 | PGBDYYD | 3.1 | 3 | 100 | 68 |
| C1921 | PTTSYB1D | 2.6 | 1 | 100 | 82 |
| HC88-15 | PGTDYBfD | 3.8 | 1 | 100 | 66 |
| HC89-57 | PGTIYBfD | 3.5 | 1 | 100 | 64 |
| HC90-1300 | WTTSYB1D | 3.1 | 1 | 100 | 77 |
| HC90-1431 | PTBSYB1D | 3.3 | 1 | 100 | 83 |
| HC91-1087 | WTTDYB1D | 3.3 | 1 | 100 | 67 |
| HC91-1354 | PTTDYBrD | 3.5 | 1 | 100 | 69 |
| HC91-1990 | PTBSYB1D | 3.0 | 1 | 100 | 75 |
| HC93-21PR | PTTSYB1D | 3.5 | 1 | 100 | 79 |

PRELIMINARY TEST III B, 1995

DISEASE DATA

| Strain | BTS | PR | | PS | PSB | Hd | Seed |
|------------------|--------------------|-------------------------------|-------------------|------------------------|--------|---------------------|------|
| | Ames a Score | Custar Root Rot Race 25 | Ames Race 4 | Lafayette Race 7 | a % | Lafayette n % | % |
| Flyer (IV) | 106 | 4.0 | R | R | 30 | 2 | 0 |
| IA2007 BC (II) | 99 | 3.7 | R | R | 24 | 2 | 14 |
| LN88-10534 (III) | 109 | 3.6 | S | R | 10 | 0 | 0 |
| HF93-041 | 100 | 3.3 | R | R | 2 | 0 | 12 |
| HF93-076 | 116 | 3.2 | H | R | 6 | 2 | 0 |
| HS93-3759 | 104 | 3.3 | R | R | 24 | 0 | 0 |
| HS93-3762 | 101 | 3.5 | R | R | 14 | 0 | 0 |
| HS93-3769 | 101 | 3.9 | R | R | 18 | 0 | 0 |
| HS93-3775 | 103 | 3.4 | R | R | 10 | 0 | 0 |
| HS93-3777 | 99 | 3.8 | R | R | 20 | 2 | 0 |
| HS93-3780 | 100 | 3.9 | R | R | 32 | 0 | 0 |
| HS93-3823 | 102 | 3.7 | R | R | 6 | 4 | 0 |
| HS93-3990 | 101 | 3.7 | R | R | 10 | 0 | 0 |
| K1313 | 110 | 4.3 | S | S | 16 | 0 | 0 |
| K1314 | 121 | 4.8 | S | S | 16 | 0 | 0 |
| K1315 | 116 | 3.2 | S | R | 24 | 0 | 0 |
| K1316 | 110 | 3.1 | S | R | 18 | 0 | 0 |
| K1317 | 115 | 5.2 | S | S | 24 | 2 | 0 |
| U94-3113 | 111 | 4.2 | S | S | 32 | 0 | 0 |
| U94-3126 | 110 | 3.7 | S | S | 16 | 0 | 16 |
| U94-3403 | 106 | 4.8 | S | R | 24 | 2 | 0 |
| U94-3410 | 106 | 4.0 | S | S | 32 | 4 | 10 |
| U94-3412 | 109 | 3.8 | S | S | 4 | 0 | 0 |
| U94-3433 | 106 | 3.4 | S | S | 10 | 0 | 0 |
| U94-3505 | 105 | 5.3 | S | S | 16 | 0 | 10 |
| U94-3518 | 106 | 4.0 | S | S | 18 | 2 | 18 |
| U94-3526 | 103 | 3.7 | S | S | 8 | 0 | 18 |
| U94-3530 | 112 | 3.8 | S | S | 14 | 0 | 0 |
| U94-3532 | 109 | 5.0 | S | S | 12 | 0 | 0 |
| Charleston (dt1) | 65 | 4.4 | S | S | 16 | 0 | 0 |
| C1903 | 83 | 3.6 | S | R | 0 | 0 | 0 |
| C1921 | 74 | 4.5 | S | S | 2 | 0 | 46 |
| HC88-15 | 91 | 3.4 | S | S | 2 | 0 | 0 |
| HC89-57 | 87 | 4.0 | H | S | 8 | 0 | 0 |
| HC90-1300 | 62 | 5.2 | R | R | 10 | 0 | 0 |
| HC90-1431 | 70 | 6.0 | H | S | 6 | 4 | 0 |
| HC91-1087 | 66 | 4.7 | S | S | 2 | 0 | 24 |
| HC91-1354 | 71 | 4.2 | S | S | 4 | 0 | 0 |
| HC91-1990 | 61 | 4.3 | H | S | 4 | 0 | 0 |
| HC93-21PR | 65 | 3.7 | R | R | 6 | 0 | 0 |

PRELIMINARY TEST IIIB, 1995

REGIONAL SUMMARY

| No. of Tests Strain | Yield 10 bu/a | Rank 10 No. | Maturity 9 Date | Lodging 10 Score | Plant Height 10 In. | Seed Quality 10 Score | Seed Size 10 g/100 | <u>Composition</u> | |
|------------------------|---------------------|-------------------|-----------------------|------------------------|------------------------------|--------------------------------|-----------------------------|--------------------|---------------|
| | | | | | | | | Protein 5 % | Oil 5 % |
| Flyer (IV) | 48.0 | 23 | 6.9 | 1.4 | 37 | 1.4 | 12.5 | 42.8 | 20.0 |
| IA2007 BC (II) | 46.4 | 32 | -4.9 | 1.1 | 34 | 1.8 | 15.5 | 40.1 | 20.9 |
| LN88-10534 (III) | 48.7 | 21 | 09/25* | 1.2 | 38 | 1.7 | 14.2 | 41.8 | 20.2 |
| HF93-041 | 49.5 | 14 | -1.9 | 1.4 | 33 | 2.0 | 16.7 | 40.8 | 20.7 |
| HF93-076 | 44.2 | 37 | 5.2 | 1.8 | 40 | 3.0 | 14.8 | 41.2 | 19.5 |
| HS93-3759 | 50.0 | 11 | 2.9 | 1.1 | 35 | 1.5 | 13.4 | 41.4 | 20.4 |
| HS93-3762 | 50.9 | 5 | 2.8 | 1.2 | 34 | 1.6 | 14.3 | 41.6 | 20.4 |
| HS93-3769 | 50.5 | 7 | 2.3 | 1.2 | 34 | 1.6 | 13.8 | 41.2 | 20.4 |
| HS93-3775 | 50.5 | 7 | 0.9 | 1.3 | 35 | 1.4 | 13.6 | 43.2 | 20.4 |
| HS93-3777 | 50.0 | 11 | 0.1 | 1.1 | 33 | 1.5 | 14.0 | 42.2 | 20.6 |
| HS93-3780 | 49.0 | 17 | 1.1 | 1.2 | 34 | 1.7 | 13.4 | 42.7 | 20.4 |
| HS93-3823 | 48.4 | 22 | 3.0 | 1.2 | 34 | 1.7 | 13.9 | 42.0 | 20.4 |
| HS93-3990 | 51.3 | 2 | 5.7 | 1.1 | 32 | 1.6 | 13.4 | 42.1 | 19.7 |
| K1313 | 45.7 | 33 | 5.9 | 1.5 | 35 | 2.0 | 14.0 | 40.8 | 19.9 |
| K1314 | 44.6 | 36 | 7.1 | 1.6 | 40 | 1.9 | 11.4 | 41.1 | 19.3 |
| K1315 | 43.6 | 38 | 7.3 | 1.5 | 39 | 1.9 | 12.5 | 40.4 | 19.9 |
| K1316 | 47.2 | 26 | 7.1 | 1.3 | 36 | 1.6 | 12.6 | 40.7 | 20.1 |
| K1317 | 43.2 | 39 | 8.4 | 1.3 | 37 | 1.8 | 12.4 | 40.7 | 20.5 |
| U94-3113 | 49.4 | 15 | 3.8 | 1.5 | 36 | 1.6 | 13.1 | 40.5 | 20.0 |
| U94-3126 | 47.2 | 26 | 4.4 | 1.9 | 35 | 1.7 | 13.4 | 41.2 | 19.9 |
| U94-3403 | 47.9 | 24 | 5.3 | 1.3 | 34 | 1.6 | 13.2 | 40.6 | 19.7 |
| U94-3410 | 49.7 | 13 | 3.7 | 1.5 | 36 | 1.6 | 15.0 | 40.3 | 20.3 |
| U94-3412 | 51.7 | 1 | 2.9 | 1.4 | 35 | 1.7 | 13.2 | 41.5 | 19.7 |
| U94-3433 | 50.6 | 6 | 7.6 | 1.3 | 36 | 1.7 | 13.7 | 41.1 | 19.7 |
| U94-3505 | 45.4 | 34 | 5.0 | 1.4 | 35 | 1.5 | 12.0 | 40.0 | 19.8 |
| U94-3518 | 51.0 | 4 | 0.9 | 1.2 | 34 | 1.9 | 13.8 | 41.9 | 20.0 |
| U94-3526 | 50.2 | 10 | 7.3 | 1.3 | 35 | 1.6 | 13.8 | 41.7 | 19.3 |
| U94-3530 | 47.9 | 24 | 7.2 | 1.6 | 37 | 1.8 | 14.3 | 41.2 | 20.1 |
| U94-3532 | 49.0 | 17 | 6.7 | 1.6 | 35 | 1.8 | 12.2 | 41.0 | 19.7 |
| Charleston (dtl) | 50.3 | 9 | 4.9 | 1.2 | 26 | 1.7 | 13.5 | 41.6 | 20.1 |
| C1903 | 39.4 | 40 | 2.7 | 1.1 | 27 | 2.2 | 15.4 | 42.6 | 19.0 |
| C1921 | 46.8 | 31 | 5.1 | 1.4 | 27 | 1.6 | 13.0 | 40.9 | 19.3 |
| HC88-15 | 51.1 | 3 | 4.2 | 1.4 | 29 | 1.5 | 14.3 | 37.9 | 21.0 |
| HC89-57 | 49.4 | 15 | 6.0 | 1.1 | 28 | 1.9 | 13.8 | 39.2 | 20.5 |
| HC90-1300 | 48.9 | 19 | 2.6 | 1.0 | 23 | 2.1 | 15.1 | 40.1 | 20.5 |
| HC90-1431 | 47.0 | 30 | 6.1 | 1.2 | 26 | 1.6 | 12.5 | 40.3 | 20.2 |
| HC91-1087 | 45.1 | 35 | 5.4 | 1.1 | 25 | 1.6 | 13.4 | 41.5 | 19.5 |
| HC91-1354 | 47.2 | 26 | 5.3 | 1.0 | 24 | 1.6 | 12.3 | 41.1 | 20.0 |
| HC91-1990 | 47.1 | 29 | 5.2 | 1.1 | 23 | 1.7 | 14.6 | 42.0 | 20.3 |
| HC93-21PR | 48.8 | 20 | 5.8 | 1.0 | 25 | 1.6 | 13.8 | 40.7 | 20.0 |

* 116.6 Days After Planting

PRELIMINARY TEST IIIB, 1995

YIELD (bu/a)

| Strain | Mean 10 Tests | Fair- field IA | Stuart IA | Urbana IL | Lafay- ette IN | Man- hattan KS |
|------------------|---------------------|----------------------|--------------|--------------|----------------------|----------------------|
| Flyer (IV) | 48.0 | 46.4 | 36.9 | 60.0 | 42.2 | 56.0 |
| IA2007 BC (II) | 46.4 | 52.6 | 43.5 | 58.3 | 37.4 | 53.6 |
| LN88-10534 (III) | 48.7 | 50.0 | 42.1 | 64.1 | 40.2 | 45.8 |
| HF93-041 | 49.5 | 50.5 | 43.8 | 66.9 | 40.5 | 46.6 |
| HF93-076 | 44.2 | 43.4 | 34.3 | 58.4 | 32.2 | 51.6 |
| HS93-3759 | 50.0 | 50.1 | 39.9 | 66.6 | 48.4 | 44.0 |
| HS93-3762 | 50.9 | 54.4 | 41.2 | 64.8 | 43.1 | 56.0 |
| HS93-3769 | 50.5 | 51.2 | 42.0 | 65.1 | 44.2 | 49.9 |
| HS93-3775 | 50.5 | 46.7 | 38.8 | 67.7 | 44.4 | 57.1 |
| HS93-3777 | 50.0 | 53.1 | 45.8 | 66.1 | 42.1 | 52.8 |
| HS93-3780 | 49.0 | 51.2 | 42.4 | 65.2 | 38.3 | 50.2 |
| HS93-3823 | 48.4 | 50.6 | 45.5 | 67.6 | 38.9 | 39.9 |
| HS93-3990 | 51.3 | 51.0 | 37.5 | 69.1 | 43.9 | 58.4 |
| K1313 | 45.7 | 45.6 | 39.8 | 62.1 | 42.6 | 35.8 |
| K1314 | 44.6 | 40.6 | 31.4 | 51.2 | 45.3 | 53.8 |
| K1315 | 43.6 | 39.5 | 33.7 | 59.2 | 37.9 | 44.9 |
| K1316 | 47.2 | 43.1 | 36.7 | 60.3 | 39.6 | 49.1 |
| K1317 | 43.2 | 45.1 | 32.8 | 56.0 | 41.9 | 44.2 |
| U94-3113 | 49.4 | 50.2 | 39.4 | 67.9 | 44.4 | 43.2 |
| U94-3126 | 47.2 | 51.5 | 36.2 | 62.6 | 35.9 | 49.6 |
| U94-3403 | 47.9 | 50.6 | 35.7 | 62.1 | 38.6 | 45.7 |
| U94-3410 | 49.7 | 48.9 | 42.7 | 63.9 | 40.6 | 52.6 |
| U94-3412 | 51.7 | 52.2 | 40.1 | 71.0 | 40.1 | 56.9 |
| U94-3433 | 50.6 | 47.3 | 37.5 | 62.2 | 44.6 | 51.1 |
| U94-3505 | 45.4 | 54.9 | 36.3 | 61.8 | 37.4 | 43.9 |
| U94-3518 | 51.0 | 53.0 | 41.2 | 70.5 | 41.1 | 60.1 |
| U94-3526 | 50.2 | 47.5 | 37.3 | 67.4 | 43.2 | 62.2 |
| U94-3530 | 47.9 | 45.9 | 37.8 | 62.7 | 47.9 | 47.5 |
| U94-3532 | 49.0 | 51.1 | 34.9 | 62.7 | 42.1 | 58.4 |
| Charleston (dt1) | 50.3 | 47.6 | 38.2 | 66.2 | 46.2 | 60.4 |
| C1903 | 39.4 | 41.8 | 30.2 | 49.2 | 35.0 | 39.2 |
| C1921 | 46.8 | 49.5 | 37.8 | 65.1 | 38.2 | 52.7 |
| HC88-15 | 51.1 | 57.9 | 35.8 | 67.8 | 48.0 | 54.5 |
| HC89-57 | 49.4 | 47.1 | 35.8 | 68.8 | 47.4 | 59.4 |
| HC90-1300 | 48.9 | 55.3 | 43.1 | 59.4 | 48.0 | 49.8 |
| HC90-1431 | 47.0 | 46.3 | 34.2 | 61.2 | 48.2 | 47.6 |
| HC91-1087 | 45.1 | 47.1 | 35.9 | 61.9 | 39.6 | 23.0 |
| HC91-1354 | 47.2 | 51.3 | 37.5 | 63.1 | 42.4 | 54.7 |
| HC91-1990 | 47.1 | 43.9 | 37.4 | 63.6 | 49.4 | 40.4 |
| HC93-21PR | 48.8 | 43.9 | 35.9 | 61.5 | 47.5 | 47.4 |
| C.V. (%) | | 5.9 | 6.1 | 5.4 | 7.0 | 13.3 |
| L.S.D. (5%) | | 5.8 | 4.7 | 7.0 | 6.1 | 13.4 |
| Row Sp. (In.) | | 27 | 27 | 30 | 24 | 30 |
| Rows/Plot | | 4 | 4 | 4 | 4 | 4 |
| Reps | | 2 | 2 | 2 | 2 | 2 |

PRELIMINARY TEST IIIB, 1995

YIELD (bu/a)

| Strain | Columbia MO | David City NE | Tekamah NE | Hoyt- ville OH | So. Charles- ton OH |
|------------------|----------------|---------------------|---------------|----------------------|---------------------------|
| Flyer (IV) | 32.4 | 40.1 | 50.2 | 46.1 | 69.6 |
| IA2007 BC (II) | 22.5 | 44.6 | 48.7 | 45.1 | 57.4 |
| LN88-10534 (III) | 39.4 | 44.7 | 55.9 | 44.3 | 60.4 |
| HF93-041 | 35.3 | 47.2 | 54.4 | 44.2 | 65.9 |
| HF93-076 | 32.1 | 37.3 | 45.0 | 42.6 | 65.0 |
| HS93-3759 | 38.4 | 45.7 | 57.6 | 47.4 | 62.3 |
| HS93-3762 | 36.7 | 49.5 | 55.4 | 43.1 | 64.7 |
| HS93-3769 | 41.0 | 43.4 | 57.5 | 45.1 | 65.3 |
| HS93-3775 | 40.1 | 48.4 | 54.5 | 46.7 | 60.1 |
| HS93-3777 | 32.5 | 51.3 | 52.2 | 41.7 | 62.4 |
| HS93-3780 | 36.4 | 47.2 | 53.0 | 43.4 | 62.4 |
| HS93-3823 | 38.6 | 46.3 | 54.3 | 42.2 | 59.6 |
| HS93-3990 | 36.0 | 46.0 | 52.3 | 44.7 | 74.5 |
| K1313 | 38.6 | 40.5 | 55.1 | 30.2 | 66.5 |
| K1314 | 44.5 | 31.7 | 50.2 | 36.8 | 60.4 |
| K1315 | 40.5 | 31.2 | 50.7 | 41.4 | 56.9 |
| K1316 | 40.5 | 36.1 | 57.4 | 44.9 | 64.5 |
| K1317 | 41.0 | 33.0 | 47.8 | 31.6 | 58.5 |
| U94-3113 | 41.1 | 45.1 | 53.0 | 43.0 | 66.4 |
| U94-3126 | 38.0 | 41.5 | 50.5 | 42.9 | 63.2 |
| U94-3403 | 34.7 | 44.1 | 50.4 | 44.3 | 72.6 |
| U94-3410 | 38.9 | 46.7 | 56.4 | 41.8 | 64.3 |
| U94-3412 | 37.5 | 44.3 | 55.5 | 45.2 | 74.6 |
| U94-3433 | 41.7 | 42.1 | 57.1 | 48.4 | 73.7 |
| U94-3505 | 38.7 | 41.7 | 51.8 | 39.4 | 48.3 |
| U94-3518 | 37.1 | 48.0 | 58.8 | 38.1 | 62.2 |
| U94-3526 | 38.1 | 43.3 | 55.1 | 42.5 | 65.5 |
| U94-3530 | 40.3 | 37.3 | 50.7 | 41.9 | 67.3 |
| U94-3532 | 41.7 | 37.9 | 48.5 | 45.9 | 66.7 |
| Charleston (dt1) | 40.6 | 44.0 | 55.3 | 40.7 | 63.4 |
| C1903 | 29.5 | 27.5 | 45.2 | 39.1 | 56.9 |
| C1921 | 37.6 | 34.6 | 52.3 | 38.1 | 62.5 |
| HC88-15 | 29.2 | 41.2 | 57.7 | 47.6 | 71.4 |
| HC89-57 | 30.0 | 40.7 | 57.1 | 42.0 | 66.1 |
| HC90-1300 | 31.2 | 48.2 | 58.2 | 40.2 | 55.4 |
| HC90-1431 | 38.5 | 38.6 | 56.3 | 31.7 | 67.3 |
| HC91-1087 | 36.1 | 45.6 | 54.0 | 42.5 | 65.5 |
| HC91-1354 | 28.1 | 45.1 | 53.9 | 43.2 | 53.1 |
| HC91-1990 | 28.8 | 42.9 | 48.5 | 40.0 | 75.6 |
| HC93-21PR | 35.9 | 46.0 | 58.1 | 43.4 | 68.7 |
| C.V. (%) | 9.7 | 6.0 | 5.0 | 10.7 | 4.9 |
| L.S.D. (5%) | 7.2 | 7.3 | 5.4 | 8.9 | 6.3 |
| Row Sp. (In.) | 30 | 30 | 30 | 30 | 7.5 |
| Rows/Plot | 4 | 4 | 4 | 4 | 8 |
| Reps | 2 | 2 | 2 | 2 | 2 |

PRELIMINARY TEST IIIB, 1995

YIELD RANK

| Strain | Yield Rank | Fair-field IA | Stuart IA | Urbana IL | Lafayette IN | Manhattan KS |
|------------------|------------|---------------|-----------|-----------|--------------|--------------|
| Flyer (IV) | 23 | 29 | 25 | 33 | 20 | 9 |
| IA2007 BC (II) | 32 | 7 | 4 | 37 | 36 | 14 |
| LN88-10534 (III) | 21 | 20 | 8 | 18 | 27 | 29 |
| HF93-041 | 14 | 17 | 3 | 10 | 26 | 28 |
| HF93-076 | 37 | 36 | 35 | 36 | 40 | 18 |
| HS93-3759 | 11 | 19 | 13 | 11 | 2 | 33 |
| HS93-3762 | 5 | 4 | 10 | 17 | 17 | 9 |
| HS93-3769 | 7 | 11 | 9 | 15 | 14 | 21 |
| HS93-3775 | 7 | 28 | 16 | 7 | 12 | 7 |
| HS93-3777 | 11 | 5 | 1 | 13 | 21 | 15 |
| HS93-3780 | 17 | 11 | 7 | 14 | 33 | 20 |
| HS93-3823 | 22 | 15 | 2 | 8 | 31 | 37 |
| HS93-3990 | 2 | 14 | 20 | 3 | 15 | 5 |
| K1313 | 33 | 32 | 14 | 27 | 18 | 39 |
| K1314 | 36 | 39 | 39 | 39 | 10 | 13 |
| K1315 | 38 | 40 | 37 | 35 | 35 | 31 |
| K1316 | 26 | 37 | 26 | 32 | 29 | 24 |
| K1317 | 39 | 33 | 38 | 38 | 23 | 32 |
| U94-3113 | 15 | 18 | 15 | 5 | 12 | 35 |
| U94-3126 | 26 | 9 | 28 | 24 | 38 | 23 |
| U94-3403 | 24 | 15 | 33 | 26 | 32 | 30 |
| U94-3410 | 13 | 22 | 6 | 19 | 25 | 17 |
| U94-3412 | 1 | 8 | 12 | 1 | 28 | 8 |
| U94-3433 | 6 | 25 | 20 | 25 | 11 | 19 |
| U94-3505 | 34 | 3 | 27 | 29 | 36 | 34 |
| U94-3518 | 4 | 6 | 10 | 2 | 24 | 3 |
| U94-3526 | 10 | 24 | 24 | 9 | 16 | 1 |
| U94-3530 | 24 | 31 | 18 | 22 | 6 | 26 |
| U94-3532 | 17 | 13 | 34 | 22 | 21 | 5 |
| Charleston (dt1) | 9 | 23 | 17 | 12 | 9 | 2 |
| C1903 | 40 | 38 | 40 | 40 | 39 | 38 |
| C1921 | 31 | 21 | 18 | 15 | 34 | 16 |
| HC88-15 | 3 | 1 | 31 | 6 | 5 | 12 |
| HC89-57 | 15 | 26 | 31 | 4 | 8 | 4 |
| HC90-1300 | 19 | 2 | 5 | 34 | 4 | 22 |
| HC90-1431 | 30 | 30 | 36 | 31 | 3 | 25 |
| HC91-1087 | 35 | 26 | 29 | 28 | 29 | 40 |
| HC91-1354 | 26 | 10 | 20 | 21 | 19 | 11 |
| HC91-1990 | 29 | 34 | 23 | 20 | 1 | 36 |
| HC93-21PR | 20 | 34 | 29 | 30 | 7 | 27 |

PRELIMINARY TEST IIIB, 1995

YIELD RANK

| Strain | Columbia MO | David City NE | Tekamah NE | Hoyt- ville OH | So. Charles- ton OH |
|------------------|----------------|---------------------|---------------|----------------------|---------------------------|
| Flyer (IV) | 32 | 30 | 34 | 5 | 7 |
| IA2007 BC (II) | 40 | 17 | 35 | 8 | 35 |
| LN88-10534 (III) | 12 | 16 | 12 | 12 | 30 |
| HF93-041 | 29 | 7 | 19 | 14 | 15 |
| HF93-076 | 33 | 33 | 40 | 21 | 19 |
| HS93-3759 | 18 | 12 | 5 | 3 | 28 |
| HS93-3762 | 24 | 2 | 14 | 18 | 20 |
| HS93-3769 | 5 | 21 | 6 | 8 | 18 |
| HS93-3775 | 11 | 3 | 18 | 4 | 32 |
| HS93-3777 | 31 | 1 | 27 | 28 | 26 |
| HS93-3780 | 25 | 6 | 24 | 15 | 26 |
| HS93-3823 | 15 | 9 | 20 | 24 | 33 |
| HS93-3990 | 27 | 11 | 25 | 11 | 3 |
| K1313 | 15 | 29 | 17 | 40 | 12 |
| K1314 | 1 | 38 | 33 | 37 | 30 |
| K1315 | 8 | 39 | 30 | 29 | 36 |
| K1316 | 8 | 35 | 7 | 10 | 21 |
| K1317 | 5 | 37 | 38 | 39 | 34 |
| U94-3113 | 4 | 15 | 23 | 19 | 13 |
| U94-3126 | 20 | 26 | 31 | 20 | 24 |
| U94-3403 | 30 | 19 | 32 | 12 | 5 |
| U94-3410 | 13 | 8 | 10 | 27 | 22 |
| U94-3412 | 22 | 18 | 13 | 7 | 2 |
| U94-3433 | 2 | 24 | 8 | 1 | 4 |
| U94-3505 | 14 | 25 | 28 | 33 | 40 |
| U94-3518 | 23 | 5 | 1 | 35 | 29 |
| U94-3526 | 19 | 22 | 16 | 22 | 16 |
| U94-3530 | 10 | 34 | 29 | 26 | 9 |
| U94-3532 | 2 | 32 | 37 | 6 | 11 |
| Charleston (dt1) | 7 | 20 | 15 | 30 | 23 |
| C1903 | 36 | 40 | 39 | 34 | 36 |
| C1921 | 21 | 36 | 26 | 35 | 25 |
| HC88-15 | 37 | 27 | 4 | 2 | 6 |
| HC89-57 | 35 | 28 | 9 | 25 | 14 |
| HC90-1300 | 34 | 4 | 2 | 31 | 38 |
| HC90-1431 | 17 | 31 | 11 | 38 | 9 |
| HC91-1087 | 26 | 13 | 21 | 22 | 16 |
| HC91-1354 | 39 | 14 | 22 | 17 | 39 |
| HC91-1990 | 38 | 23 | 36 | 32 | 1 |
| HC93-21PR | 28 | 10 | 3 | 15 | 8 |

PRELIMINARY TEST IIIB, 1995

MATURITY (date)

| Strain | Mean 9 Tests | Fair- field IA | Stuart IA | Urbana IL | Lafay- ette IN | Man- hattan KS |
|------------------|--------------------|----------------------|--------------|--------------|----------------------|----------------------|
| Flyer (IV) | 6.9 | | 8 | 5 | 5 | 7 |
| IA2007 BC (II) | -4.9 | | -4 | -7 | -7 | -5 |
| LN88-10534 (III) | 09/25 | | 10/02 | 09/26 | 09/23 | 10/03 |
| HF93-041 | -1.9 | | -2 | 0 | -4 | 3 |
| HF93-076 | 5.2 | | 4 | 3 | 3 | 6 |
| HS93-3759 | 2.9 | | 3 | 1 | 3 | 6 |
| HS93-3762 | 2.8 | | 3 | 0 | 0 | 4 |
| HS93-3769 | 2.3 | | 3 | 0 | 2 | 2 |
| HS93-3775 | 0.9 | | 2 | 0 | -1 | 2 |
| HS93-3777 | 0.1 | | 2 | -1 | -2 | 2 |
| HS93-3780 | 1.1 | | 4 | 1 | 1 | 1 |
| HS93-3823 | 3.0 | | 3 | 1 | -1 | 4 |
| HS93-3990 | 5.7 | | 6 | 4 | 5 | 2 |
| K1313 | 5.9 | | 5 | 4 | 5 | 5 |
| K1314 | 7.1 | | 9 | 5 | 5 | 5 |
| K1315 | 7.3 | | 8 | 5 | 5 | 6 |
| K1316 | 7.1 | | 8 | 5 | 5 | 6 |
| K1317 | 8.4 | | 9 | 7 | 6 | 7 |
| U94-3113 | 3.8 | | 2 | 2 | 1 | 5 |
| U94-3126 | 4.4 | | 6 | 4 | 3 | 3 |
| U94-3403 | 5.3 | | 4 | 5 | 2 | 5 |
| U94-3410 | 3.7 | | 3 | 3 | 2 | 8 |
| U94-3412 | 2.9 | | 6 | 2 | -1 | 3 |
| U94-3433 | 7.6 | | 8 | 5 | 5 | 7 |
| U94-3505 | 5.0 | | 8 | 2 | 1 | 5 |
| U94-3518 | 0.9 | | 1 | 1 | -1 | 4 |
| U94-3526 | 7.3 | | 8 | 5 | 5 | 8 |
| U94-3530 | 7.2 | | 5 | 7 | 5 | 9 |
| U94-3532 | 6.7 | | 7 | 4 | 5 | 8 |
| Charleston (dt1) | 4.9 | | 4 | 4 | 5 | 3 |
| C1903 | 2.7 | | 0 | 3 | 2 | -1 |
| C1921 | 5.1 | | 2 | 4 | 5 | 3 |
| HC88-15 | 4.2 | | 0 | 4 | 4 | 3 |
| HC89-57 | 6.0 | | 2 | 4 | 6 | 2 |
| HC90-1300 | 2.6 | | 0 | 2 | 2 | 3 |
| HC90-1431 | 6.1 | | 4 | 7 | 5 | 3 |
| HC91-1087 | 5.4 | | 7 | 2 | 3 | 5 |
| HC91-1354 | 5.3 | | 8 | 3 | 3 | 4 |
| HC91-1990 | 5.2 | | 3 | 5 | 5 | 2 |
| HC93-21PR | 5.8 | | 6 | 5 | 6 | 4 |
| Date Planted | 05/31 | | 06/13 | 06/02 | 06/05 | 06/14 |
| Days to Mature | 116.6 | | 111 | 116 | 110 | 111 |

PRELIMINARY TEST IIIB, 1995

MATURITY (date)

| Strain | Columbia MO | David City NE | Tekamah NE | Hoyt- ville OH | So. Charles- ton OH |
|------------------|----------------|---------------------|---------------|----------------------|---------------------------|
| Flyer (IV) | 6 | 7 | 8 | 9 | 7 |
| IA2007 BC (II) | -6 | -2 | -5 | -1 | -7 |
| LN88-10534 (III) | 09/26 | 09/30 | 09/24 | 09/16 | 09/18 |
| HF93-041 | -3 | 0 | 0 | -2 | -9 |
| HF93-076 | 7 | 3 | 7 | 9 | 5 |
| HS93-3759 | 2 | 4 | 6 | 2 | -1 |
| HS93-3762 | 2 | 3 | 5 | 6 | 2 |
| HS93-3769 | 2 | 3 | 6 | 1 | 2 |
| HS93-3775 | 1 | 3 | 4 | 0 | -3 |
| HS93-3777 | -1 | 1 | 3 | -1 | -2 |
| HS93-3780 | 0 | 3 | 3 | -1 | -2 |
| HS93-3823 | 3 | 3 | 7 | 5 | 2 |
| HS93-3990 | 7 | 5 | 7 | 9 | 6 |
| K1313 | 5 | 3 | 10 | 9 | 7 |
| K1314 | 8 | 7 | 10 | 9 | 6 |
| K1315 | 8 | 7 | 11 | 9 | 7 |
| K1316 | 7 | 6 | 11 | 9 | 7 |
| K1317 | 7 | 8 | 14 | 9 | 9 |
| U94-3113 | 3 | 4 | 7 | 6 | 4 |
| U94-3126 | 1 | 4 | 7 | 9 | 3 |
| U94-3403 | 4 | 5 | 8 | 9 | 6 |
| U94-3410 | 3 | 4 | 4 | 2 | 4 |
| U94-3412 | 0 | 6 | 6 | 2 | 2 |
| U94-3433 | 8 | 7 | 11 | 9 | 8 |
| U94-3505 | 5 | 6 | 7 | 9 | 2 |
| U94-3518 | 0 | 1 | 3 | 0 | -1 |
| U94-3526 | 7 | 8 | 10 | 9 | 6 |
| U94-3530 | 8 | 7 | 9 | 9 | 6 |
| U94-3532 | 7 | 7 | 9 | 9 | 4 |
| Charleston (dtl) | 1 | 5 | 11 | 9 | 2 |
| C1903 | 0 | 4 | 7 | 2 | 7 |
| C1921 | 0 | 7 | 11 | 9 | 5 |
| HC88-15 | 1 | 4 | 9 | 9 | 4 |
| HC89-57 | 7 | 4 | 11 | 9 | 9 |
| HC90-1300 | -1 | 1 | 7 | 9 | 0 |
| HC90-1431 | 7 | 6 | 10 | 9 | 4 |
| HC91-1087 | 1 | 6 | 10 | 9 | 6 |
| HC91-1354 | 0 | 6 | 10 | 9 | 5 |
| HC91-1990 | 3 | 4 | 12 | 9 | 4 |
| HC93-21PR | 0 | 6 | 10 | 9 | 6 |
| Date Planted | 06/22 | 06/06 | 05/18 | 05/22 | 04/28 |
| Days to Mature | 96 | 116 | 129 | 117 | 143 |

PRELIMINARY TEST IIIB, 1995

LODGING (score)

| Strain | Mean 10 Tests | Fair- field IA | Stuart IA | Urbana IL | Lafay- ette IN | Man- hattan KS |
|------------------|---------------------|----------------------|--------------|--------------|----------------------|----------------------|
| Flyer (IV) | 1.4 | 1.3 | 1.3 | 2.5 | 1.0 | 2.5 |
| IA2007 BC (II) | 1.1 | 1.5 | 1.0 | 1.0 | 1.0 | 1.0 |
| LN88-10534 (III) | 1.2 | 1.8 | 1.0 | 1.5 | 1.0 | 1.5 |
| HF93-041 | 1.4 | 2.3 | 1.3 | 2.5 | 1.0 | 2.0 |
| HF93-076 | 1.8 | 2.3 | 1.2 | 3.5 | 1.3 | 3.0 |
| HS93-3759 | 1.1 | 1.5 | 1.1 | 1.3 | 1.0 | 1.5 |
| HS93-3762 | 1.2 | 1.0 | 1.1 | 1.5 | 1.0 | 2.0 |
| HS93-3769 | 1.2 | 1.5 | 1.0 | 1.8 | 1.0 | 1.5 |
| HS93-3775 | 1.3 | 1.8 | 1.1 | 1.8 | 1.0 | 1.5 |
| HS93-3777 | 1.1 | 1.5 | 1.0 | 1.3 | 1.0 | 1.0 |
| HS93-3780 | 1.2 | 1.8 | 1.2 | 1.8 | 1.0 | 1.5 |
| HS93-3823 | 1.2 | 1.5 | 1.1 | 1.0 | 1.0 | 1.5 |
| HS93-3990 | 1.1 | 1.0 | 1.1 | 1.5 | 1.0 | 1.5 |
| K1313 | 1.5 | 2.3 | 1.0 | 2.3 | 1.0 | 2.0 |
| K1314 | 1.6 | 2.3 | 1.2 | 3.0 | 1.3 | 2.5 |
| K1315 | 1.5 | 3.0 | 1.3 | 1.8 | 1.0 | 1.5 |
| K1316 | 1.3 | 2.0 | 1.1 | 1.8 | 1.0 | 1.5 |
| K1317 | 1.3 | 1.5 | 1.1 | 1.5 | 1.0 | 3.0 |
| U94-3113 | 1.5 | 1.5 | 1.2 | 2.5 | 1.0 | 3.0 |
| U94-3126 | 1.9 | 3.0 | 1.3 | 3.5 | 1.5 | 3.0 |
| U94-3403 | 1.3 | 1.8 | 1.3 | 1.3 | 1.0 | 2.0 |
| U94-3410 | 1.5 | 2.3 | 1.0 | 2.8 | 1.0 | 2.0 |
| U94-3412 | 1.4 | 2.0 | 1.0 | 2.5 | 1.0 | 1.5 |
| U94-3433 | 1.3 | 2.0 | 1.2 | 2.3 | 1.0 | 1.5 |
| U94-3505 | 1.4 | 1.5 | 1.2 | 2.0 | 1.0 | 2.0 |
| U94-3518 | 1.2 | 1.3 | 1.1 | 2.5 | 1.0 | 1.0 |
| U94-3526 | 1.3 | 1.8 | 1.2 | 1.5 | 1.0 | 2.0 |
| U94-3530 | 1.6 | 2.0 | 1.2 | 3.0 | 1.3 | 3.0 |
| U94-3532 | 1.6 | 1.5 | 1.3 | 2.8 | 1.0 | 3.0 |
| Charleston (dt1) | 1.2 | 1.0 | 1.4 | 1.0 | 1.0 | 2.0 |
| C1903 | 1.1 | 1.3 | 1.2 | 1.3 | 1.0 | 1.5 |
| C1921 | 1.4 | 2.0 | 1.4 | 1.5 | 1.5 | 2.5 |
| HC88-15 | 1.4 | 1.8 | 1.3 | 1.8 | 1.3 | 1.5 |
| HC89-57 | 1.1 | 1.0 | 1.2 | 1.0 | 1.0 | 1.5 |
| HC90-1300 | 1.0 | 1.0 | 1.2 | 1.0 | 1.0 | 1.0 |
| HC90-1431 | 1.2 | 1.0 | 1.3 | 1.3 | 1.0 | 2.0 |
| HC91-1087 | 1.1 | 1.0 | 1.3 | 1.0 | 1.0 | 1.5 |
| HC91-1354 | 1.0 | 1.0 | 1.2 | 1.0 | 1.0 | 1.0 |
| HC91-1990 | 1.1 | 1.0 | 1.4 | 1.0 | 1.0 | 1.5 |
| HC93-21PR | 1.0 | 1.0 | 1.4 | 1.0 | 1.0 | 1.0 |

PRELIMINARY TEST IIIB, 1995

LODGING (score)

| Strain | Columbia MO | David City NE | Tekamah NE | Hoyt- ville OH | So. Charles- ton OH |
|------------------|----------------|---------------------|---------------|----------------------|---------------------------|
| Flyer (IV) | 1.0 | 1.0 | 1.0 | 1.3 | 1.0 |
| IA2007 BC (II) | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LN88-10534 (III) | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 |
| HF93-041 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| HF93-076 | 1.0 | 1.0 | 1.0 | 1.5 | 2.0 |
| HS93-3759 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HS93-3762 | 1.0 | 1.0 | 1.5 | 1.0 | 1.0 |
| HS93-3769 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| HS93-3775 | 1.0 | 1.0 | 1.0 | 1.2 | 1.3 |
| HS93-3777 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HS93-3780 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HS93-3823 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 |
| HS93-3990 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| K1313 | 1.0 | 1.0 | 1.0 | 1.2 | 1.8 |
| K1314 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 |
| K1315 | 1.0 | 1.0 | 1.0 | 1.3 | 1.8 |
| K1316 | 1.0 | 1.0 | 1.0 | 1.5 | 1.3 |
| K1317 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| U94-3113 | 1.0 | 1.0 | 1.0 | 1.3 | 1.0 |
| U94-3126 | 1.0 | 1.0 | 1.0 | 1.8 | 1.8 |
| U94-3403 | 1.0 | 1.0 | 1.0 | 1.5 | 1.3 |
| U94-3410 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 |
| U94-3412 | 1.0 | 1.0 | 1.0 | 1.0 | 2.3 |
| U94-3433 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| U94-3505 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| U94-3518 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| U94-3526 | 1.0 | 1.0 | 1.0 | 1.5 | 1.3 |
| U94-3530 | 1.0 | 1.0 | 1.0 | 1.2 | 1.3 |
| U94-3532 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| Charleston (dt1) | 1.0 | 1.0 | 1.0 | 1.3 | 1.0 |
| C1903 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| C1921 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 |
| HC88-15 | 1.0 | 1.0 | 1.0 | 1.0 | 1.8 |
| HC89-57 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC90-1300 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC90-1431 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC91-1087 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC91-1354 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC91-1990 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC93-21PR | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

PRELIMINARY TEST IIIB, 1995

PLANT HEIGHT (inches)

| Strain | Mean 10 Tests | Fair- field IA | Stuart IA | Urbana IL | Lafay- ette IN | Man- hattan KS |
|------------------|---------------------|----------------------|--------------|--------------|----------------------|----------------------|
| Flyer (IV) | 37 | 40 | 34 | 40 | 39 | 38 |
| IA2007 BC (II) | 34 | 38 | 32 | 42 | 37 | 34 |
| LN88-10534 (III) | 38 | 42 | 36 | 46 | 39 | 39 |
| HF93-041 | 33 | 34 | 32 | 40 | 37 | 30 |
| HF93-076 | 40 | 44 | 38 | 46 | 44 | 40 |
| HS93-3759 | 35 | 39 | 32 | 43 | 36 | 36 |
| HS93-3762 | 34 | 40 | 33 | 40 | 36 | 35 |
| HS93-3769 | 34 | 38 | 33 | 42 | 36 | 32 |
| HS93-3775 | 35 | 41 | 34 | 40 | 38 | 34 |
| HS93-3777 | 33 | 38 | 32 | 41 | 35 | 33 |
| HS93-3780 | 34 | 38 | 34 | 40 | 36 | 34 |
| HS93-3823 | 34 | 36 | 36 | 41 | 37 | 35 |
| HS93-3990 | 32 | 34 | 32 | 40 | 35 | 33 |
| K1313 | 35 | 40 | 34 | 45 | 41 | 35 |
| K1314 | 40 | 44 | 36 | 44 | 44 | 41 |
| K1315 | 39 | 42 | 40 | 44 | 41 | 38 |
| K1316 | 36 | 43 | 36 | 42 | 38 | 40 |
| K1317 | 37 | 45 | 36 | 46 | 43 | 38 |
| U94-3113 | 36 | 42 | 33 | 42 | 40 | 36 |
| U94-3126 | 35 | 40 | 36 | 43 | 39 | 35 |
| U94-3403 | 34 | 39 | 30 | 40 | 37 | 34 |
| U94-3410 | 36 | 42 | 35 | 40 | 37 | 37 |
| U94-3412 | 35 | 42 | 33 | 45 | 38 | 34 |
| U94-3433 | 36 | 40 | 33 | 41 | 38 | 39 |
| U94-3505 | 35 | 42 | 32 | 41 | 39 | 35 |
| U94-3518 | 34 | 41 | 32 | 41 | 37 | 33 |
| U94-3526 | 35 | 44 | 32 | 43 | 38 | 37 |
| U94-3530 | 37 | 41 | 37 | 45 | 40 | 36 |
| U94-3532 | 35 | 39 | 32 | 41 | 41 | 35 |
| Charleston (dtl) | 26 | 30 | 28 | 27 | 27 | 24 |
| C1903 | 27 | 30 | 27 | 31 | 30 | 23 |
| C1921 | 27 | 29 | 28 | 28 | 30 | 26 |
| HC88-15 | 29 | 29 | 31 | 30 | 33 | 26 |
| HC89-57 | 28 | 30 | 28 | 30 | 31 | 25 |
| HC90-1300 | 23 | 26 | 26 | 23 | 26 | 19 |
| HC90-1431 | 26 | 32 | 30 | 30 | 26 | 24 |
| HC91-1087 | 25 | 26 | 26 | 26 | 26 | 21 |
| HC91-1354 | 24 | 28 | 26 | 26 | 28 | 22 |
| HC91-1990 | 23 | 25 | 28 | 26 | 25 | 20 |
| HC93-21PR | 25 | 28 | 30 | 27 | 26 | 20 |

PRELIMINARY TEST IIIB, 1995

PLANT HEIGHT (inches)

| Strain | Columbia MO | David City NE | Tekamah NE | Hoyt- ville OH | So. Charles- ton OH |
|------------------|----------------|---------------------|---------------|----------------------|---------------------------|
| Flyer (IV) | 31 | 39 | 37 | 36 | 34 |
| IA2007 BC (II) | 28 | 35 | 31 | 34 | 28 |
| LN88-10534 (III) | 31 | 37 | 40 | 34 | 31 |
| HF93-041 | 27 | 35 | 37 | 32 | 26 |
| HF93-076 | 34 | 43 | 39 | 39 | 34 |
| HS93-3759 | 28 | 36 | 38 | 33 | 30 |
| HS93-3762 | 26 | 35 | 34 | 30 | 26 |
| HS93-3769 | 30 | 35 | 34 | 32 | 30 |
| HS93-3775 | 31 | 35 | 36 | 35 | 30 |
| HS93-3777 | 28 | 34 | 33 | 30 | 28 |
| HS93-3780 | 28 | 33 | 33 | 36 | 27 |
| HS93-3823 | 28 | 33 | 34 | 33 | 28 |
| HS93-3990 | 26 | 32 | 33 | 31 | 28 |
| K1313 | 25 | 36 | 36 | 31 | 27 |
| K1314 | 32 | 42 | 41 | 37 | 35 |
| K1315 | 30 | 39 | 41 | 36 | 35 |
| K1316 | 27 | 37 | 35 | 36 | 30 |
| K1317 | 29 | 39 | 37 | 28 | 32 |
| U94-3113 | 28 | 38 | 38 | 36 | 29 |
| U94-3126 | 27 | 35 | 34 | 33 | 27 |
| U94-3403 | 28 | 33 | 32 | 33 | 31 |
| U94-3410 | 28 | 39 | 37 | 33 | 31 |
| U94-3412 | 27 | 36 | 36 | 32 | 29 |
| U94-3433 | 28 | 37 | 38 | 33 | 33 |
| U94-3505 | 27 | 36 | 33 | 31 | 29 |
| U94-3518 | 29 | 34 | 36 | 32 | 29 |
| U94-3526 | 28 | 35 | 36 | 32 | 29 |
| U94-3530 | 29 | 37 | 39 | 35 | 28 |
| U94-3532 | 29 | 38 | 37 | 35 | 26 |
| Charleston (dt1) | 22 | 30 | 25 | 26 | 18 |
| C1903 | 21 | 27 | 29 | 31 | 25 |
| C1921 | 23 | 29 | 28 | 24 | 22 |
| HC88-15 | 18 | 36 | 35 | 32 | 21 |
| HC89-57 | 19 | 33 | 28 | 27 | 24 |
| HC90-1300 | 18 | 26 | 22 | 22 | 19 |
| HC90-1431 | 21 | 29 | 29 | 21 | 22 |
| HC91-1087 | 20 | 28 | 28 | 23 | 22 |
| HC91-1354 | 19 | 28 | 24 | 21 | 17 |
| HC91-1990 | 17 | 28 | 23 | 21 | 20 |
| HC93-21PR | 21 | 30 | 23 | 27 | 21 |

PRELIMINARY TEST IIIB, 1995

SEED QUALITY (score)

| Strain | Mean 10 Tests | Fair- field IA | Stuart IA | Urbana IL | Lafay- ette IN | Man- hattan KS |
|------------------|---------------------|----------------------|--------------|--------------|----------------------|----------------------|
| Flyer (IV) | 1.4 | 1.0 | 2.0 | 1.5 | 1.0 | 1.0 |
| IA2007 BC (II) | 1.8 | 1.0 | 1.0 | 1.5 | 1.0 | 3.0 |
| LN88-10534 (III) | 1.7 | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 |
| HF93-041 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 3.0 |
| HF93-076 | 3.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 |
| HS93-3759 | 1.5 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| HS93-3762 | 1.6 | 1.0 | 2.0 | 1.8 | 2.0 | 2.0 |
| HS93-3769 | 1.6 | 1.0 | 2.0 | 1.8 | 2.0 | 2.0 |
| HS93-3775 | 1.4 | 1.0 | 1.0 | 1.8 | 1.0 | 2.0 |
| HS93-3777 | 1.5 | 1.0 | 2.0 | 1.5 | 1.0 | 2.0 |
| HS93-3780 | 1.7 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| HS93-3823 | 1.7 | 1.0 | 1.0 | 1.8 | 2.0 | 3.0 |
| HS93-3990 | 1.6 | 2.0 | 2.0 | 1.8 | 1.0 | 2.0 |
| K1313 | 2.0 | 2.0 | 3.0 | 2.0 | 1.0 | 2.0 |
| K1314 | 1.9 | 2.0 | 3.0 | 1.8 | 2.0 | 2.0 |
| K1315 | 1.9 | 2.0 | 2.0 | 1.5 | 2.0 | 2.0 |
| K1316 | 1.6 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| K1317 | 1.8 | 2.0 | 1.0 | 1.8 | 2.0 | 2.0 |
| U94-3113 | 1.6 | 1.0 | 1.0 | 1.8 | 1.0 | 2.0 |
| U94-3126 | 1.7 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| U94-3403 | 1.6 | 1.0 | 2.0 | 1.8 | 1.0 | 2.0 |
| U94-3410 | 1.6 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 |
| U94-3412 | 1.7 | 2.0 | 1.0 | 2.3 | 2.0 | 3.0 |
| U94-3433 | 1.7 | 1.0 | 2.0 | 1.5 | 2.0 | 2.0 |
| U94-3505 | 1.5 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 |
| U94-3518 | 1.9 | 1.0 | 2.0 | 1.8 | 2.0 | 2.0 |
| U94-3526 | 1.6 | 1.0 | 1.0 | 1.8 | 2.0 | 2.0 |
| U94-3530 | 1.8 | 2.0 | 2.0 | 1.8 | 2.0 | 2.0 |
| U94-3532 | 1.8 | 2.0 | 2.0 | 1.8 | 2.0 | 2.0 |
| Charleston (dt1) | 1.7 | 3.0 | 2.0 | 1.5 | 1.0 | 2.0 |
| C1903 | 2.2 | 2.0 | 3.0 | 1.8 | 2.0 | 2.0 |
| C1921 | 1.6 | 1.0 | 1.0 | 1.8 | 1.0 | 2.0 |
| HC88-15 | 1.5 | 1.0 | 2.0 | 2.3 | 1.0 | 2.0 |
| HC89-57 | 1.9 | 1.0 | 3.0 | 2.3 | 2.0 | 2.0 |
| HC90-1300 | 2.1 | 2.0 | 2.0 | 1.5 | 2.0 | 3.0 |
| HC90-1431 | 1.6 | 1.0 | 2.0 | 1.5 | 1.0 | 1.0 |
| HC91-1087 | 1.6 | 1.0 | 3.0 | 1.5 | 1.0 | 2.0 |
| HC91-1354 | 1.6 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 |
| HC91-1990 | 1.7 | 2.0 | 2.0 | 1.5 | 1.0 | 2.0 |
| HC93-21PR | 1.6 | 2.0 | 2.0 | 1.5 | 1.0 | 2.0 |

PRELIMINARY TEST IIIB, 1995

SEED QUALITY (score)

| Strain | Columbia MO | David City NE | Tekamah NE | Hoyt- ville OH | So. Charles- ton OH |
|------------------|----------------|---------------------|---------------|----------------------|---------------------------|
| Flyer (IV) | 1.0 | 2.0 | 1.5 | 1.0 | 1.5 |
| IA2007 BC (II) | 2.0 | 2.5 | 1.5 | 2.0 | 2.5 |
| LN88-10534 (III) | 2.0 | 2.0 | 1.5 | 1.0 | 2.0 |
| HF93-041 | 1.0 | 3.0 | 1.5 | 2.0 | 2.5 |
| HF93-076 | 2.0 | 3.5 | 2.0 | 2.0 | 3.0 |
| HS93-3759 | 2.0 | 1.5 | 1.0 | 1.0 | 1.8 |
| HS93-3762 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 |
| HS93-3769 | 1.0 | 1.5 | 1.5 | 1.0 | 2.0 |
| HS93-3775 | 2.0 | 1.0 | 1.0 | 1.0 | 1.8 |
| HS93-3777 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 |
| HS93-3780 | 2.0 | 1.5 | 1.0 | 1.0 | 2.0 |
| HS93-3823 | 2.0 | 2.0 | 1.0 | 1.0 | 2.3 |
| HS93-3990 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 |
| K1313 | 1.0 | 3.0 | 1.5 | 2.0 | 2.8 |
| K1314 | 2.0 | 2.5 | 1.0 | 1.0 | 1.8 |
| K1315 | 1.0 | 3.0 | 2.0 | 1.0 | 2.0 |
| K1316 | 1.0 | 3.0 | 1.0 | 1.0 | 1.8 |
| K1317 | 1.0 | 2.5 | 1.5 | 2.0 | 2.0 |
| U94-3113 | 2.0 | 2.5 | 1.5 | 1.0 | 1.8 |
| U94-3126 | 2.0 | 2.5 | 1.5 | 1.0 | 2.3 |
| U94-3403 | 1.0 | 2.0 | 1.0 | 2.0 | 1.8 |
| U94-3410 | 1.0 | 2.0 | 1.0 | 2.0 | 2.5 |
| U94-3412 | 1.0 | 1.5 | 1.0 | 1.0 | 2.0 |
| U94-3433 | 2.0 | 2.5 | 1.0 | 1.0 | 2.0 |
| U94-3505 | 2.0 | 1.5 | 1.5 | 2.0 | 1.8 |
| U94-3518 | 2.0 | 3.0 | 1.5 | 2.0 | 2.0 |
| U94-3526 | 1.0 | 2.0 | 1.0 | 2.0 | 2.3 |
| U94-3530 | 1.0 | 2.5 | 1.0 | 2.0 | 1.8 |
| U94-3532 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 |
| Charleston (dt1) | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 |
| C1903 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 |
| C1921 | 1.0 | 3.0 | 1.0 | 2.0 | 2.0 |
| HC88-15 | 1.0 | 1.5 | 1.0 | 1.0 | 2.0 |
| HC89-57 | 1.0 | 2.5 | 1.5 | 2.0 | 2.0 |
| HC90-1300 | 2.0 | 2.0 | 1.5 | 2.5 | 2.5 |
| HC90-1431 | 1.0 | 2.5 | 1.0 | 2.0 | 2.5 |
| HC91-1087 | 1.0 | 2.5 | 1.0 | 1.0 | 1.8 |
| HC91-1354 | 1.0 | 2.0 | 2.0 | 1.0 | 1.8 |
| HC91-1990 | 2.0 | 1.5 | 1.0 | 2.0 | 2.0 |
| HC93-21PR | 1.0 | 2.5 | 1.0 | 1.0 | 1.8 |

PRELIMINARY TEST IIIIB, 1995

SEED SIZE (g/100)

| Strain | Mean 9 Tests | Fair- field IA | Stuart IA | Urbana IL | Lafay- ette IN | Man- hattan KS |
|------------------|--------------------|----------------------|--------------|--------------|----------------------|----------------------|
| Flyer (IV) | 12.5 | 12.6 | 11.0 | 14.0 | 11.6 | 13.5 |
| IA2007 BC (II) | 15.5 | 15.2 | 13.4 | 16.2 | 12.7 | 18.4 |
| LN88-10534 (III) | 14.2 | 13.2 | 12.4 | 15.5 | 12.1 | 17.0 |
| HF93-041 | 16.7 | 11.4 | 14.9 | 17.6 | 13.9 | 19.8 |
| HF93-076 | 14.8 | 13.4 | 11.6 | 22.4 | 13.7 | 16.3 |
| HS93-3759 | 13.4 | 13.0 | 12.4 | 14.5 | 12.1 | 15.2 |
| HS93-3762 | 14.3 | 13.8 | 12.3 | 16.1 | 11.8 | 16.7 |
| HS93-3769 | 13.8 | 13.2 | 12.0 | 15.6 | 12.2 | 16.4 |
| HS93-3775 | 13.6 | 13.4 | 12.6 | 13.2 | 12.1 | 15.7 |
| HS93-3777 | 14.0 | 13.6 | 12.6 | 15.1 | 11.5 | 16.2 |
| HS93-3780 | 13.4 | 13.0 | 12.5 | 14.8 | 11.3 | 15.9 |
| HS93-3823 | 13.9 | 13.6 | 13.0 | 15.4 | 10.8 | 15.8 |
| HS93-3990 | 13.4 | 12.8 | 11.6 | 14.8 | 13.1 | 17.0 |
| K1313 | 14.0 | 13.1 | 11.6 | 15.6 | 12.8 | 15.1 |
| K1314 | 11.4 | 11.4 | 9.4 | 12.1 | 11.7 | 12.5 |
| K1315 | 12.5 | 12.0 | 10.9 | 14.2 | 12.8 | 14.4 |
| K1316 | 12.6 | 12.6 | 10.4 | 14.4 | 12.2 | 13.4 |
| K1317 | 12.4 | 12.2 | 10.0 | 14.3 | 13.0 | 13.3 |
| U94-3113 | 13.1 | 12.8 | 10.6 | 14.8 | 11.8 | 14.8 |
| U94-3126 | 13.4 | 12.8 | 11.0 | 15.2 | 12.1 | 14.7 |
| U94-3403 | 13.2 | 12.6 | 11.2 | 14.6 | 11.3 | 14.3 |
| U94-3410 | 15.0 | 14.9 | 12.6 | 16.9 | 13.0 | 17.3 |
| U94-3412 | 13.2 | 12.6 | 10.7 | 14.3 | 11.2 | 15.8 |
| U94-3433 | 13.7 | 11.7 | 10.0 | 15.1 | 14.4 | 16.7 |
| U94-3505 | 12.0 | 12.2 | 10.2 | 14.6 | 10.2 | 14.0 |
| U94-3518 | 13.8 | 13.7 | 11.0 | 15.6 | 12.1 | 14.5 |
| U94-3526 | 13.8 | 12.7 | 11.6 | 15.2 | 12.9 | 15.9 |
| U94-3530 | 14.3 | 12.8 | 12.2 | 16.6 | 14.0 | 15.4 |
| U94-3532 | 12.2 | 11.8 | 10.4 | 13.9 | 11.7 | 13.1 |
| Charleston (dt1) | 13.5 | 12.8 | 11.4 | 15.1 | 13.0 | 15.2 |
| C1903 | 15.4 | 14.2 | 12.4 | 16.7 | 13.7 | 17.8 |
| C1921 | 13.0 | 12.6 | 10.7 | 14.4 | 12.4 | 15.2 |
| HC88-15 | 14.3 | 12.8 | 12.1 | 16.5 | 13.6 | 16.4 |
| HC89-57 | 13.8 | 12.6 | 10.7 | 15.1 | 14.2 | 15.6 |
| HC90-1300 | 15.1 | 14.5 | 11.6 | 16.2 | 12.8 | 21.2 |
| HC90-1431 | 12.5 | 12.4 | 10.1 | 14.0 | 12.9 | 14.4 |
| HC91-1387 | 13.4 | 12.8 | 10.6 | 15.7 | 12.2 | 16.9 |
| HC91-1354 | 12.3 | 11.8 | 10.0 | 14.8 | 11.1 | 15.1 |
| HC91-1990 | 14.6 | 12.8 | 11.4 | 15.8 | 15.0 | 18.2 |
| HC93-21PR | 13.8 | 12.5 | 11.6 | 16.1 | 13.9 | 15.0 |

PRELIMINARY TEST IIIB, 1995

SEED SIZE (g/100)

| Strain | Columbia MO | David City NE | Tekamah NE | Hoyt- ville OH | So. Charles- ton OH |
|------------------|----------------|---------------------|---------------|----------------------|---------------------------|
| Flyer (IV) | | 13.2 | 12.9 | 11.7 | 12.3 |
| IA2007 BC (II) | | 16.6 | 17.7 | 14.0 | 15.5 |
| LN88-10534 (III) | | 15.4 | 15.6 | 13.4 | 13.1 |
| HF93-041 | | 19.2 | 19.7 | 17.0 | 17.1 |
| HF93-076 | | 14.5 | 14.8 | 13.5 | 13.2 |
| HS93-3759 | | 14.5 | 14.0 | 12.0 | 13.0 |
| HS93-3762 | | 15.3 | 14.7 | 13.9 | 13.7 |
| HS93-3769 | | 14.5 | 14.7 | 12.7 | 13.1 |
| HS93-3775 | | 14.5 | 14.3 | 12.8 | 13.7 |
| HS93-3777 | | 15.5 | 14.7 | 13.7 | 13.2 |
| HS93-3780 | | 14.3 | 14.3 | 12.1 | 12.6 |
| HS93-3823 | | 14.7 | 14.9 | 13.4 | 13.9 |
| HS93-3990 | | 13.7 | 14.3 | 12.0 | 11.5 |
| K1313 | | 13.5 | 16.6 | 14.1 | 13.5 |
| K1314 | | 11.5 | 12.9 | 10.9 | 10.6 |
| K1315 | | 12.2 | 13.4 | 11.8 | 11.1 |
| K1316 | | 12.5 | 13.8 | 12.2 | 11.8 |
| K1317 | | 11.8 | 13.6 | 11.7 | 11.4 |
| U94-3113 | | 13.9 | 14.3 | 11.6 | 12.9 |
| U94-3126 | | 14.8 | 15.2 | 12.0 | 12.6 |
| U94-3403 | | 13.4 | 15.3 | 12.3 | 14.0 |
| U94-3410 | | 15.9 | 16.2 | 13.2 | 14.6 |
| U94-3412 | | 13.9 | 14.6 | 12.2 | 13.6 |
| U94-3433 | | 13.8 | 15.1 | 12.7 | 13.5 |
| U94-3505 | | 12.5 | 13.2 | 11.1 | 10.2 |
| U94-3518 | | 15.1 | 15.3 | 13.1 | 14.2 |
| U94-3526 | | 13.5 | 15.4 | 12.8 | 13.8 |
| U94-3530 | | 14.3 | 15.7 | 13.8 | 14.3 |
| U94-3532 | | 12.2 | 13.3 | 11.6 | 11.8 |
| Charleston (dt1) | | 14.0 | 15.4 | 12.5 | 12.2 |
| C1903 | | 14.6 | 18.5 | 14.9 | 16.2 |
| C1921 | | 12.6 | 14.6 | 12.1 | 12.7 |
| HC88-15 | | 14.1 | 15.7 | 13.0 | 14.7 |
| HC89-57 | | 13.1 | 15.9 | 12.7 | 14.3 |
| HC90-1300 | | 16.0 | 16.7 | 12.9 | 14.0 |
| HC90-1431 | | 11.3 | 14.2 | 11.8 | 11.8 |
| HC91-1087 | | 13.5 | 14.0 | 12.2 | 12.7 |
| HC91-1354 | | 12.6 | 13.4 | 11.2 | 10.9 |
| HC91-1990 | | 14.8 | 16.2 | 13.2 | 13.8 |
| HC93-21PR | | 13.8 | 15.8 | 12.7 | 12.8 |

PRELIMINARY TEST IIIB, 1995

PROTEIN (%)

| Strain | Mean 5 Tests | Fairfield IA | Urbana IL | Lafayette IN | David City NE | Hoytville OH |
|------------------|--------------------|-----------------|--------------|-----------------|---------------------|-----------------|
| Flyer (IV) | 42.8 | 42.1 | 43.3 | 43.8 | 41.9 | 43.0 |
| IA2007 BC (II) | 40.1 | 38.3 | 40.8 | 42.8 | 39.0 | 39.8 |
| LN88-10534 (III) | 41.8 | 40.4 | 43.2 | 42.8 | 40.5 | 42.0 |
| HF93-041 | 40.8 | 40.2 | 41.4 | 43.3 | 39.2 | 40.1 |
| HF93-076 | 41.2 | 39.0 | 42.9 | 42.6 | 39.9 | 41.7 |
| HS93-3759 | 41.4 | 40.8 | 42.2 | 41.8 | 41.1 | 41.2 |
| HS93-3762 | 41.6 | 40.1 | 42.6 | 43.0 | 41.0 | 41.2 |
| HS93-3769 | 41.2 | 40.6 | 42.3 | 41.0 | 40.6 | 41.7 |
| HS93-3775 | 43.2 | 41.7 | 44.0 | 44.5 | 41.7 | 43.9 |
| HS93-3777 | 42.2 | 40.4 | 43.5 | 43.9 | 41.0 | 42.2 |
| HS93-3780 | 42.7 | 41.5 | 43.9 | 42.9 | 41.2 | 43.8 |
| HS93-3823 | 42.0 | 41.2 | 43.0 | 44.0 | 40.2 | 41.5 |
| HS93-3990 | 42.1 | 41.0 | 42.3 | 43.3 | 41.2 | 42.5 |
| K1313 | 40.8 | 40.2 | 41.4 | 40.8 | 41.7 | 40.0 |
| K1314 | 41.1 | 41.7 | 41.9 | 41.8 | 39.8 | 40.5 |
| K1315 | 40.4 | 41.0 | 41.9 | 41.4 | 37.5 | 40.1 |
| K1316 | 40.7 | 41.2 | 41.5 | 41.1 | 39.6 | 40.2 |
| K1317 | 40.7 | 41.5 | 41.2 | 39.7 | 40.6 | 40.7 |
| U94-3113 | 40.5 | 40.4 | 41.5 | 40.9 | 39.8 | 40.1 |
| U94-3126 | 41.2 | 40.5 | 42.2 | 42.5 | 40.4 | 40.3 |
| U94-3403 | 40.6 | 40.6 | 41.2 | 42.4 | 39.0 | 40.0 |
| U94-3410 | 40.3 | 39.7 | 41.6 | 40.7 | 39.6 | 39.7 |
| U94-3412 | 41.5 | 39.6 | 42.3 | 44.4 | 40.3 | 41.1 |
| U94-3433 | 41.1 | 40.4 | 42.4 | 41.6 | 39.8 | 41.2 |
| U94-3505 | 40.0 | 39.2 | 41.5 | 41.8 | 39.1 | 38.2 |
| U94-3518 | 41.9 | 40.3 | 43.6 | 43.7 | 39.6 | 42.4 |
| U94-3526 | 41.7 | 41.2 | 42.5 | 42.8 | 41.5 | 40.3 |
| U94-3530 | 41.2 | 40.8 | 42.4 | 41.4 | 40.9 | 40.6 |
| U94-3532 | 41.0 | 39.9 | 41.8 | 42.1 | 39.9 | 41.1 |
| Charleston (dt1) | 41.6 | 41.3 | 43.2 | 42.0 | 41.6 | 39.9 |
| C1903 | 42.6 | 41.3 | 43.7 | 43.4 | 41.2 | 43.3 |
| C1921 | 40.9 | 40.1 | 42.2 | 41.7 | 40.8 | 39.7 |
| HC88-15 | 37.9 | 36.6 | 39.1 | 38.7 | 37.5 | 37.4 |
| HC89-57 | 39.2 | 38.5 | 40.3 | 39.3 | 39.0 | 39.1 |
| HC90-1300 | 40.1 | 39.3 | 42.3 | 40.8 | 39.4 | 38.9 |
| HC90-1431 | 40.3 | 40.3 | 42.4 | 40.5 | 39.2 | 39.1 |
| HC91-1087 | 41.5 | 41.2 | 42.1 | 41.2 | 41.1 | 42.0 |
| HC91-1354 | 41.1 | 40.3 | 41.9 | 41.7 | 40.0 | 41.4 |
| HC91-1990 | 42.0 | 41.5 | 43.4 | 41.9 | 41.8 | 41.5 |
| HC93-21PR | 40.7 | 40.4 | 41.6 | 41.0 | 40.5 | 39.9 |

PRELIMINARY TEST IIIB, 1995

OIL (%)

| Strain | Mean 5 Tests | Fairfield IA | Urbana IL | Lafayette IN | David City NE | Hoytville OH |
|------------------|--------------------|-----------------|--------------|-----------------|---------------------|-----------------|
| Flyer (IV) | 20.0 | 19.8 | 20.6 | 20.3 | 19.8 | 19.4 |
| IA2007 BC (II) | 20.9 | 20.2 | 21.7 | 20.9 | 20.6 | 21.3 |
| LN88-10534 (III) | 20.2 | 18.7 | 20.3 | 21.0 | 20.4 | 20.7 |
| HF93-041 | 20.7 | 19.8 | 20.8 | 21.0 | 20.8 | 21.3 |
| HF93-076 | 19.5 | 18.9 | 19.8 | 20.0 | 19.1 | 19.5 |
| HS93-3759 | 20.4 | 19.7 | 20.3 | 20.6 | 20.6 | 21.0 |
| HS93-3762 | 20.4 | 19.9 | 20.5 | 20.6 | 20.1 | 21.1 |
| HS93-3769 | 20.4 | 19.6 | 20.7 | 20.8 | 20.5 | 20.6 |
| HS93-3775 | 20.4 | 19.8 | 20.6 | 20.7 | 20.4 | 20.4 |
| HS93-3777 | 20.6 | 20.3 | 20.9 | 20.8 | 19.8 | 21.0 |
| HS93-3780 | 20.4 | 19.7 | 20.9 | 20.7 | 20.4 | 20.1 |
| HS93-3823 | 20.4 | 19.4 | 20.2 | 20.6 | 20.2 | 21.4 |
| HS93-3990 | 19.7 | 18.7 | 20.2 | 20.1 | 20.1 | 19.5 |
| K1313 | 19.9 | 19.3 | 20.5 | 20.6 | 18.5 | 20.6 |
| K1314 | 19.3 | 18.0 | 19.9 | 19.7 | 19.0 | 19.7 |
| K1315 | 19.9 | 18.3 | 20.3 | 20.2 | 21.2 | 19.5 |
| K1316 | 20.1 | 19.1 | 20.7 | 20.7 | 19.5 | 20.5 |
| K1317 | 20.5 | 18.6 | 21.7 | 21.3 | 19.8 | 20.9 |
| U94-3113 | 20.0 | 19.2 | 20.3 | 20.7 | 20.0 | 19.9 |
| U94-3126 | 19.9 | 18.9 | 20.4 | 20.1 | 19.9 | 20.1 |
| U94-3403 | 19.7 | 18.7 | 20.7 | 19.9 | 19.5 | 19.6 |
| U94-3410 | 20.3 | 19.4 | 20.7 | 20.7 | 19.9 | 20.8 |
| U94-3412 | 19.7 | 19.5 | 20.0 | 19.4 | 19.3 | 20.1 |
| U94-3433 | 19.7 | 18.7 | 20.4 | 20.2 | 19.3 | 19.8 |
| U94-3505 | 19.8 | 19.3 | 20.3 | 20.2 | 19.2 | 20.2 |
| U94-3518 | 20.0 | 19.4 | 20.0 | 20.2 | 20.1 | 20.2 |
| U94-3526 | 19.3 | 18.6 | 19.9 | 19.6 | 18.4 | 19.8 |
| U94-3530 | 20.1 | 18.8 | 20.9 | 20.9 | 19.5 | 20.4 |
| U94-3532 | 19.7 | 19.0 | 20.8 | 20.0 | 18.9 | 19.8 |
| Charleston (dt1) | 20.1 | 19.0 | 20.6 | 20.3 | 19.8 | 20.7 |
| C1903 | 19.0 | 18.4 | 19.4 | 19.4 | 19.1 | 18.7 |
| C1921 | 19.3 | 19.0 | 20.1 | 19.6 | 18.7 | 19.2 |
| HC88-15 | 21.0 | 20.7 | 21.2 | 21.3 | 20.5 | 21.1 |
| HC89-57 | 20.5 | 19.9 | 20.9 | 21.2 | 20.2 | 20.3 |
| HC90-1300 | 20.5 | 19.8 | 20.6 | 20.8 | 20.4 | 21.0 |
| HC90-1431 | 20.2 | 19.1 | 20.9 | 21.0 | 19.5 | 20.7 |
| HC91-1087 | 19.5 | 19.4 | 20.0 | 20.2 | 19.2 | 18.7 |
| HC91-1354 | 20.0 | 19.6 | 20.9 | 20.1 | 19.9 | 19.4 |
| HC91-1990 | 20.3 | 19.4 | 20.4 | 21.1 | 19.8 | 20.6 |
| HC93-21PR | 20.0 | 18.7 | 20.9 | 20.5 | 19.7 | 20.0 |

UNIFORM TEST IV, 1995

| Strain | Parentage | Previous* Testing | Generation Composited | Unique Traits |
|-------------------|---|----------------------|--------------------------|------------------|
| Delsoy 4210 (SCN) | (Williams x PI 88.788) x (Union x Douglas) | 7 | F6 | SCN 3,4 |
| Flyer (E) | Asgrow A3127 ⁴ x Williams 82 | 8 | BC3 F2 | Rps1-k |
| KS4694 (L) | Sherman x Toano | 4 | F5 | |
| Ripley (dt1) | Hodgson x V68-1034 | 3 | F5 | dt ₁ |
| Stressland (IV) | HC80-1946 x Asgrow A3127 | 2 | F5 | Dt ₁ |
| A93-754022 | Asgrow A3935 x Marcus | PTIIIA | F5 | |
| C1894 | Burlison x A86-301024 | PTIVA | F5 | |
| HC89-2165 | HC80-1946 x Asgrow A3127 | 1 | F5 | Dt ₁ |
| HC90-196 | Sprite 87 x HC80-1756 | PTIVB | F5 | dt ₁ |
| K1287 | K1148 x Coker 393 | PTIVA | F5 | |
| K1288 | P6123-27 x K1148 | PTIVA | F5 | |
| Ky90-1208 | Asgrow A3935 x Hutcheson | 1 | F5 | |
| Ky90-2713 | Spencer x Hutcheson | 1 | F5 | |
| Ky91-0402 | DeKalb Pfizer CX458 x Pioneer P9442 | PTIVB | F5 | |
| Ky91-1857 | Asgrow A3935 x Hutcheson | PTIVB | F5 | |
| LN90-3364 | LN84-3897 x Resnik | PTIIIA | F5 | Rps1-k |
| LN90-4129 | Burlison x Asgrow A3733 | 1 | F5 | Rps1-b, Rps3 |
| LN91-1733 | Asgrow A3733 x Resnik | PTIIIA | F5 | Rps1-k |
| LS92-1800 | Fayette x Pyramid | 1 | F5 | |
| SL90-4113 | Burlison x Asgrow A3733 | PTIVB | F5 | |
| SS91-7138 | Pioneer P9442 x Pioneer P9461 | PTIVB | F5 | |
| U93-3716 | UP3 Intermated Population | PTIIIB | F5 | |

* Number of years in test or name of 1994 test

UNIFORM TEST IV, 1995

DESCRIPTIVE AND DISEASE DATA

| Strain | Descrip- tive Code | Chlorosis Score Lamber- ton | Shatt Score Man- hattan | Emerg. Score Ames | PR | | PS | PSB | Hd Seed |
|-------------------|--------------------------|--------------------------------------|----------------------------------|-------------------------|-------------------------------|-------------------|----------------|-----------------|------------|
| | | | | | Custar Root Rot Race 25 | Laf. Race 7 | Laf. a % | Vinc. n % | Vinc. % |
| Delsoy 4210 (SCN) | WTTShYBrI | 2.0 | 1 | 5 | 2.8 | R | 12 | 4 | 0 |
| Flyer (E) | PTTDYBlI | 2.0 | 1 | 1 | 3.4 | R | 30 | 16 | 0 |
| KS4694 (L) | WGBShYBfI | 1.5 | 1 | 2 | 3.1 | S | 12 | 6 | 0 |
| Ripley (dt1) | PGTShYBfD | 2.5 | 1 | 2 | 3.8 | S | 3 | 0 | 0 |
| Stressland (IV) | PTTDYBlI | 2.0 | 1 | 1 | 2.7 | S | 4 | 6 | 0 |
| A93-754022 | PTBDYBlI | 4.0 | 1 | 4 | 3.6 | S | 9 | 10 | 0 |
| C1894 | PTBDYBlI | 1.5 | 1 | 4 | 2.8 | R | 9 | 6 | 0 |
| HC89-2165 | PTTDYBlI | 3.0 | 1 | 2 | 3.0 | S | 1 | 2 | 0 |
| HC90-196 | WTTDYBlD | 3.0 | 1 | 1 | 3.5 | S | 3 | 6 | 0 |
| K1287 | PGTDYIbI | 2.5 | 1 | 4 | 4.5 | S | 15 | 4 | 0 |
| K1288 | PTBDYBlI | 2.5 | 1 | 4 | 3.4 | S | 3 | 4 | 0 |
| Ky90-1208 | WTTDYBrI | 2.0 | 1 | 2 | 3.5 | S | 33 | 4 | 0 |
| Ky90-2713 | WTBDYBrI | 1.0 | 1 | 5 | 6.3 | S | 24 | 16 | 0 |
| Ky91-0402 | P+WTBDYBl | 2.0 | 1 | 1 | 3.7 | S | 3 | 0 | 0 |
| Ky91-1857 | WG+TBDYBl | 1.5 | 1 | 1 | 2.2 | S | 3 | 0 | 0 |
| LN90-3364 | WTTDYBlI | 4.0 | 1 | 4 | 3.5 | R | 6 | 14 | 0 |
| LN90-4129 | PTTDYBlI | 2.0 | 1 | 5 | 3.7 | R | 3 | 16 | 0 |
| LN91-1733 | PTTDYBlI | 3.0 | 1 | 1 | 3.5 | R | 3 | 12 | 0 |
| LS92-1800 | WTTShYBlI | 3.0 | 1 | 5 | 4.9 | S | 3 | 2 | 0 |
| SL90-4113 | WTBDYBlI | 2.0 | 1 | 2 | 3.7 | H | 3 | 0 | 0 |
| SS91-7138 | WTBIYBlI | 4.0 | 1 | 1 | 3.6 | S | 9 | 0 | 0 |
| U93-3716 | PGBShYIbI | 4.0 | 1 | 5 | 4.3 | S | 3 | 28 | 0 |

UNIFORM TEST IV, 1995

SDS DATA

| Strain | SDS Data Ridgway | | | | | SDS Data Ullin | | | | |
|-------------------|---------------------|-----|-----|------|------------|-------------------|----|-----|------|------------|
| | RDate | DI | DS | DX | DX Rank | RDate | DI | DS | DX | DX Rank |
| Delsoy 4210 (SCN) | 101 | 58 | 1.7 | 11.2 | 2 | 94 | 3 | 1.2 | 0.5 | 9 |
| Flyer (E) | 99 | 99 | 4.1 | 44.6 | 16 | 93 | 1 | 1.0 | 0.2 | 5 |
| KS4694 (L) | 98 | 84 | 2.5 | 24.1 | 3 | 93 | 1 | 1.1 | 0.1 | 4 |
| Ripley (dt1) | 99 | 11 | 1.7 | 5.8 | 1 | 90 | 1 | 1.0 | 0.1 | 3 |
| Stressland (IV) | 99 | 100 | 3.7 | 40.8 | 13 | 92 | 68 | 1.7 | 12.7 | 22 |
| A93-754022 | 98 | 99 | 4.3 | 47.6 | 18 | 90 | 42 | 1.3 | 6.4 | 17 |
| C1894 | 99 | 100 | 2.4 | 26.4 | 4 | 94 | 31 | 1.3 | 4.5 | 15 |
| HC89-2165 | 99 | 102 | 3.8 | 43.5 | 15 | 94 | 39 | 1.5 | 6.9 | 18 |
| HC90-196 | 98 | 100 | 4.1 | 48.0 | 20 | 90 | 81 | 1.2 | 10.8 | 21 |
| K1287 | 99 | 98 | 5.0 | 55.9 | 22 | 91 | 7 | 1.3 | 1.2 | 11 |
| K1288 | 99 | 97 | 3.5 | 38.4 | 12 | 94 | 1 | 1.0 | 0.2 | 7 |
| Ky90-1208 | 98 | 99 | 2.7 | 29.6 | 6 | 93 | 64 | 1.8 | 13.5 | 23 |
| Ky90-2713 | 98 | 103 | 5.3 | 60.6 | 23 | 95 | 53 | 1.9 | 10.7 | 20 |
| Ky91-0402 | 100 | 100 | 4.8 | 52.7 | 21 | 95 | 8 | 1.3 | 1.1 | 10 |
| Ky91-1857 | 98 | 99 | 3.4 | 37.7 | 11 | 93 | 71 | 1.8 | 14.3 | 24 |
| LN90-3364 | 97 | 98 | 3.3 | 35.9 | 9 | 94 | 0 | 1.0 | 0.1 | 2 |
| LN90-4129 | 98 | 81 | 3.1 | 30.3 | 7 | 93 | 2 | 1.3 | 0.2 | 8 |
| LN91-1733 | 99 | 102 | 3.6 | 41.3 | 14 | 93 | 14 | 1.2 | 1.8 | 12 |
| LS92-1800 | 101 | 102 | 2.6 | 28.8 | 5 | 95 | 1 | 1.0 | 0.2 | 6 |
| SL90-4113 | 98 | 101 | 4.3 | 47.7 | 19 | 96 | 12 | 1.6 | 2.1 | 13 |
| SS91-7138 | 97 | 100 | 4.2 | 46.1 | 17 | 93 | 30 | 1.5 | 5.9 | 16 |
| U93-3716 | 98 | 93 | 3.4 | 36.0 | 10 | 90 | 16 | 1.2 | 2.3 | 14 |

UNIFORM TEST IV, 1995

REGIONAL SUMMARY

| No. of Tests Strain | Yield 15 bu/a | Rank 15 No. | Maturity 15 Date | Lodging 17 Score | Plant Height 17 In. | Seed Quality 16 Score | Seed Size 16 g/100 | Composition | |
|------------------------|---------------------|-------------------|------------------------|------------------------|------------------------------|--------------------------------|-----------------------------|-------------------|---------------|
| | | | | | | | | Protein 5 % | Oil 5 % |
| Delsoy 4210 (SCN) | 40.1 | 21 | 2.2 | 1.9 | 38 | 1.9 | 14.0 | 43.6 | 20.5 |
| Flyer (E) | 43.7 | 7 | -3.1 | 1.2 | 32 | 1.5 | 12.3 | 44.7 | 20.5 |
| KS4694 (L) | 43.2 | 9 | 5.0 | 1.4 | 34 | 1.7 | 13.6 | 41.4 | 20.1 |
| Ripley (dt1) | 40.3 | 20 | -1.8 | 1.2 | 21 | 1.5 | 11.1 | 41.9 | 20.4 |
| Stressland (IV) | 45.0 | 3 | 09/27* | 1.7 | 35 | 1.7 | 11.7 | 44.0 | 20.3 |
| A93-754022 | 43.0 | 11 | -1.7 | 1.3 | 29 | 2.0 | 12.8 | 44.2 | 20.6 |
| C1894 | 42.8 | 13 | 1.7 | 1.4 | 34 | 1.9 | 15.5 | 44.5 | 19.6 |
| HC89-2165 | 42.3 | 15 | -0.6 | 1.7 | 37 | 1.7 | 10.8 | 42.8 | 20.4 |
| HC90-196 | 43.1 | 10 | -3.2 | 1.1 | 23 | 1.7 | 13.2 | 41.8 | 20.8 |
| K1287 | 42.5 | 14 | 2.4 | 1.4 | 32 | 1.8 | 13.6 | 42.5 | 20.4 |
| K1288 | 41.5 | 18 | 4.0 | 1.8 | 38 | 1.9 | 13.7 | 43.5 | 19.8 |
| Ky90-1208 | 44.0 | 5 | -0.5 | 1.8 | 33 | 1.8 | 12.4 | 42.6 | 20.6 |
| Ky90-2713 | 41.7 | 16 | 4.5 | 1.7 | 41 | 2.1 | 14.8 | 41.7 | 20.1 |
| Ky91-0402 | 41.3 | 19 | 5.4 | 1.4 | 35 | 1.8 | 11.7 | 41.5 | 20.2 |
| Ky91-1857 | 43.6 | 8 | 5.7 | 2.0 | 40 | 1.8 | 12.9 | 41.9 | 20.3 |
| LN90-3364 | 44.0 | 5 | -2.5 | 1.2 | 32 | 1.6 | 12.9 | 43.7 | 20.3 |
| LN90-4129 | 45.1 | 2 | 0.9 | 1.3 | 30 | 1.7 | 16.8 | 43.6 | 20.1 |
| LN91-1733 | 46.2 | 1 | -0.7 | 1.2 | 30 | 1.5 | 13.2 | 44.0 | 20.8 |
| LS92-1800 | 39.2 | 22 | 2.5 | 1.5 | 38 | 1.6 | 12.5 | 41.7 | 19.8 |
| SL90-4113 | 43.0 | 11 | 5.9 | 1.4 | 35 | 1.9 | 13.7 | 42.5 | 20.1 |
| SS91-7138 | 44.8 | 4 | 2.3 | 1.4 | 34 | 1.9 | 13.1 | 42.5 | 20.1 |
| U93-3716 | 41.6 | 17 | -4.5 | 1.5 | 30 | 2.0 | 13.3 | 41.7 | 21.1 |

* 118.5 Days After Planting

1994-1995 2-YEAR MEAN

| No. of Tests Strain | Yield 34 bu/a | Rank 34 No. | Maturity 31 Date | Lodging 36 Score | Plant Height 36 In. | Seed Quality 34 Score | Seed Size 33 g/100 | Composition | |
|------------------------|---------------------|-------------------|------------------------|------------------------|------------------------------|--------------------------------|-----------------------------|-------------------|---------------|
| | | | | | | | | Protein 8 % | Oil 8 % |
| Cisne | 51.1 | 3 | 0.2 | 1.6 | 32 | 1.7 | 18.8 | 42.6 | 20.6 |
| Delsoy 4210 | 48.3 | 8 | 2.4 | 2.2 | 40 | 1.8 | 16.0 | 42.7 | 20.7 |
| Flyer (E) | 49.4 | 6 | -4.0 | 1.4 | 33 | 1.5 | 13.2 | 43.1 | 20.7 |
| KS4694 (L) | 49.2 | 7 | 5.7 | 1.6 | 36 | 1.6 | 15.3 | 40.9 | 20.4 |
| Ripley (dt1) | 46.0 | 10 | -2.2 | 1.2 | 22 | 1.4 | 12.3 | 41.0 | 20.6 |
| Stressland | 51.6 | 1 | 9/26.0* | 1.9 | 38 | 1.5 | 12.8 | 43.0 | 20.7 |
| HC89-2165 | 50.2 | 4 | -0.5 | 1.9 | 39 | 1.6 | 11.9 | 41.6 | 20.8 |
| Ky90-1208 | 51.4 | 2 | 0.5 | 2.0 | 36 | 1.7 | 13.8 | 41.6 | 21.1 |
| Ky09-2713 | 49.6 | 5 | 4.3 | 1.9 | 43 | 2.0 | 16.6 | 40.8 | 20.5 |
| LS92-1800 | 46.8 | 9 | 2.1 | 1.7 | 41 | 1.5 | 13.9 | 40.3 | 20.4 |

* 123.5 Days After Planting

UNIFORM TEST IV, 1995

YIELD (bu/a)

| Strain | Mean 15 Tests | George- town DE | Belle- ville IL | Newton* IL | Ridg- way IL | Ullin IL | Urbana IL |
|-------------------|---------------------|-----------------------|-----------------------|---------------|--------------------|-------------|--------------|
| Delsoy 4210 (SCN) | 40.1 | 26.4 | 34.3 | 41.2 | 56.4 | 43.3 | 45.6 |
| Flyer (E) | 43.7 | 22.1 | 33.9 | 36.6 | 52.3 | 37.3 | 54.5 |
| KS4694 (L) | 43.2 | 26.5 | 35.1 | 26.7 | 56.0 | 42.6 | 43.9 |
| Ripley (dt1) | 40.3 | 23.9 | 30.3 | 23.2 | 49.5 | 27.7 | 47.1 |
| Stressland (IV) | 45.0 | 27.9 | 42.2 | 39.5 | 56.0 | 42.4 | 56.0 |
| A93-754022 | 43.0 | 25.7 | 30.5 | 21.8 | 54.3 | 35.9 | 57.1 |
| C1894 | 42.8 | 25.9 | 35.7 | 43.8 | 53.0 | 38.1 | 54.2 |
| HC89-2165 | 42.3 | 21.6 | 38.4 | 44.0 | 52.0 | 40.2 | 51.7 |
| HC90-196 | 43.1 | 24.7 | 39.7 | 38.8 | 52.9 | 36.6 | 54.9 |
| K1287 | 42.5 | 21.2 | 36.3 | 33.8 | 56.4 | 37.1 | 49.4 |
| K1288 | 41.5 | 25.8 | 34.0 | 44.0 | 58.2 | 39.1 | 48.7 |
| Ky90-1208 | 44.0 | 24.5 | 35.5 | 27.3 | 51.8 | 39.8 | 50.9 |
| Ky90-2713 | 41.7 | 18.3 | 38.4 | 47.1 | 57.9 | 36.1 | 46.2 |
| Ky91-0402 | 41.3 | 25.2 | 35.7 | 37.8 | 55.6 | 39.5 | 43.9 |
| Ky91-1857 | 43.6 | 20.4 | 42.0 | 43.5 | 53.0 | 42.2 | 48.2 |
| LN90-3364 | 44.0 | 25.8 | 38.7 | 33.4 | 50.8 | 39.1 | 56.5 |
| LN90-4129 | 45.1 | 24.7 | 36.7 | 35.9 | 56.8 | 41.6 | 58.3 |
| LN91-1733 | 46.2 | 20.2 | 35.7 | 33.6 | 59.2 | 43.0 | 57.4 |
| LS92-1800 | 39.2 | 25.7 | 37.4 | 35.5 | 49.5 | 39.4 | 47.0 |
| SL90-4113 | 43.0 | 22.0 | 36.8 | 33.6 | 55.1 | 42.5 | 56.3 |
| SS91-7138 | 44.8 | 22.4 | 37.7 | 27.9 | 55.2 | 44.1 | 50.2 |
| U93-3716 | 41.6 | 17.7 | 35.0 | 23.5 | 58.5 | 35.8 | 52.3 |
| C.V. (%) | | 16.7 | 9.7 | 24.7 | 8.1 | 8.0 | 4.7 |
| L.S.D. (5%) | | ns | 5.8 | 14.2 | 7.2 | 5.1 | 4.0 |
| Row Sp. (In.) | | 15 | 30 | 30 | 30 | 30 | 30 |
| Rows/Plot | | 5 | 4 | 4 | 4 | 4 | 4 |
| Reps | | 3 | 3 | 3 | 3 | 3 | 3 |

* Data not included in the mean.

UNIFORM TEST IV, 1995

YIELD (bu/a)

| Strain | Lafayette IN | Manhattan KS | Ottawa KS | Topeka KS | Lexington KY | Queens- town MD | Columbia MO | Portage ville MO |
|-------------------|-----------------|-----------------|--------------|--------------|-----------------|-----------------------|----------------|------------------------|
| Delsoy 4210 (SCN) | 38.7 | 46.6 | 26.7 | 43.1 | 55.9 | 22.0 | 30.1 | 42.6 |
| Flyer (E) | 44.2 | 53.4 | 35.2 | 60.8 | 57.4 | 27.8 | 37.6 | 41.1 |
| KS4694 (L) | 46.4 | 51.3 | 31.2 | 46.3 | 52.1 | 34.1 | 42.7 | 51.0 |
| Ripley (dt1) | 42.3 | 54.0 | 30.6 | 44.8 | 59.2 | 19.6 | 40.5 | 25.1 |
| Stressland (IV) | 47.9 | 55.0 | 29.7 | 50.3 | 58.5 | 31.1 | 42.8 | 40.0 |
| A93-754022 | 38.9 | 51.2 | 30.8 | 57.4 | 53.7 | 34.1 | 39.6 | 41.2 |
| C1894 | 50.8 | 48.0 | 30.0 | 49.6 | 55.3 | 22.0 | 39.7 | 35.2 |
| HC89-2165 | 52.2 | 56.9 | 30.0 | 51.8 | 42.4 | 29.7 | 39.6 | 39.5 |
| HC90-196 | 48.1 | 57.1 | 32.1 | 55.2 | 47.9 | 31.6 | 41.5 | 28.3 |
| K1287 | 44.6 | 52.0 | 29.4 | 49.9 | 58.3 | 26.8 | 41.2 | 43.1 |
| K1288 | 38.9 | 50.6 | 31.2 | 46.0 | 51.4 | 29.0 | 36.9 | 41.7 |
| Ky90-1208 | 49.7 | 57.5 | 31.6 | 54.9 | 45.4 | 27.0 | 45.3 | 39.3 |
| Ky90-2713 | 46.4 | 50.9 | 25.5 | 49.2 | 49.3 | 36.0 | 44.7 | 38.5 |
| Ky91-0402 | 43.2 | 45.8 | 25.6 | 43.0 | 57.9 | 32.1 | 38.8 | 38.1 |
| Ky91-1857 | 48.1 | 50.3 | 28.6 | 48.8 | 49.8 | 32.4 | 44.0 | 36.3 |
| LN90-3364 | 44.5 | 55.2 | 29.5 | 54.5 | 56.1 | 42.3 | 38.9 | 43.1 |
| LN90-4129 | 44.8 | 59.5 | 31.8 | 49.1 | 58.8 | 26.4 | 40.6 | 35.5 |
| LN91-1733 | 44.8 | 54.1 | 32.1 | 56.2 | 71.9 | 30.2 | 42.6 | 38.4 |
| LS92-1800 | 42.3 | 42.6 | 21.1 | 45.0 | 49.1 | 23.5 | 40.5 | 41.1 |
| SL90-4113 | 45.0 | 45.2 | 29.6 | 49.0 | 55.9 | 35.3 | 45.3 | 34.9 |
| SS91-7138 | 44.5 | 54.5 | 30.2 | 54.8 | 63.4 | 26.6 | 40.1 | 42.9 |
| U93-3716 | 48.1 | 57.1 | 32.2 | 54.3 | 52.3 | 22.5 | 35.5 | 34.4 |
| C.V. (%) | 9.2 | 6.0 | 8.3 | 12.9 | 14.6 | 27.2 | 6.4 | 11.5 |
| L.S.D. (5%) | 6.9 | 5.0 | 4.1 | 10.8 | 8.5 | ns | 4.3 | 7.3 |
| Row Sp. (In.) | 24 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Rows/Plot | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Reps | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

* Data not included in the mean.

UNIFORM TEST IV, 1995

YIELD (bu/a)

| Strain | Adel- phia NJ | Mt. Orab OH | South Charleston OH |
|-------------------|---------------------|-------------------|---------------------------|
| Delsoy 4210 (SCN) | 34.4 | 21.8 | 55.5 |
| Flyer (E) | 33.1 | 27.3 | 64.9 |
| KS4694 (L) | 32.7 | 29.5 | 61.0 |
| Ripley (dt1) | 38.8 | 27.5 | 62.8 |
| Stressland (IV) | 28.3 | 28.2 | 70.3 |
| A93-754022 | 31.3 | 24.6 | 73.3 |
| C1894 | 37.5 | 22.5 | 66.6 |
| HC89-2165 | 31.1 | 22.0 | 64.4 |
| HC90-196 | 27.2 | 28.3 | 71.4 |
| K1287 | 38.8 | 18.9 | 61.2 |
| K1288 | 32.3 | 24.3 | 63.0 |
| Ky90-1208 | 36.1 | 22.1 | 75.9 |
| Ky90-2713 | 35.1 | 19.8 | 68.6 |
| Ky91-0402 | 36.6 | 22.6 | 67.3 |
| Ky91-1857 | 38.9 | 30.6 | 72.5 |
| LN90-3364 | 36.0 | 26.7 | 65.0 |
| LN90-4129 | 36.9 | 33.5 | 67.2 |
| LN91-1733 | 38.6 | 26.3 | 72.7 |
| LS92-1800 | 39.5 | 11.6 | 56.6 |
| SL90-4113 | 32.7 | 29.5 | 64.6 |
| SS91-7138 | 44.4 | 22.1 | 66.2 |
| U93-3716 | 34.7 | 11.9 | 64.4 |
| C.V. (%) | 14.3 | 13.8 | 6.3 |
| L.S.D. (5%) | 8.2 | 5.6 | 6.8 |
| Row Sp. (In.) | 30 | 15 | 7.5 |
| Rows/Plot | 4 | 6 | 8 |
| Reps | 3 | 3 | 3 |

UNIFORM TEST IV, 1995

YIELD RANK

| Strain | Yield Rank | George-town DE | Belle-ville IL | Newton IL | Ridg-way IL | Ullin IL | Urbana IL |
|-------------------|------------|----------------|----------------|-----------|-------------|----------|-----------|
| Delsoy 4210 (SCN) | 21 | 3 | 18 | 6 | 6 | 2 | 23 |
| Flyer (E) | 7 | 15 | 20 | 10 | 17 | 16 | 9 |
| KS4694 (L) | 9 | 2 | 16 | 19 | 8 | 4 | 24 |
| Ripley (dt1) | 20 | 13 | 22 | 21 | 21 | 22 | 20 |
| Stressland (IV) | 3 | 1 | 1 | 7 | 8 | 6 | 6 |
| A93-754022 | 11 | 7 | 21 | 22 | 13 | 20 | 3 |
| C1894 | 13 | 4 | 12 | 4 | 14 | 15 | 10 |
| HC89-2165 | 15 | 17 | 5 | 2 | 18 | 9 | 12 |
| HC90-196 | 10 | 10 | 3 | 8 | 16 | 18 | 8 |
| K1287 | 14 | 18 | 11 | 13 | 6 | 17 | 17 |
| K1288 | 18 | 5 | 19 | 2 | 3 | 13 | 18 |
| Ky90-1208 | 5 | 12 | 15 | 18 | 19 | 10 | 14 |
| Ky90-2713 | 16 | 21 | 5 | 1 | 4 | 19 | 22 |
| Ky91-0402 | 19 | 9 | 12 | 9 | 10 | 11 | 24 |
| Ky91-1857 | 8 | 19 | 2 | 5 | 14 | 7 | 19 |
| LN90-3364 | 5 | 5 | 4 | 16 | 20 | 13 | 4 |
| LN90-4129 | 2 | 10 | 10 | 11 | 5 | 8 | 1 |
| LN91-1733 | 1 | 20 | 12 | 14 | 1 | 3 | 2 |
| LS92-1800 | 22 | 7 | 8 | 12 | 21 | 12 | 21 |
| SL90-4113 | 11 | 16 | 9 | 14 | 12 | 5 | 5 |
| SS91-7138 | 4 | 14 | 7 | 17 | 11 | 1 | 16 |
| U93-3716 | 17 | 22 | 17 | 20 | 2 | 21 | 11 |

UNIFORM TEST IV, 1995

YIELD RANK

| Strain | Lafayette IN | Manhattan KS | Ottawa KS | Topeka KS | Lexington KY | Queens- town MD | Colum- bia MO | Portage ville MO |
|-------------------|-----------------|-----------------|--------------|--------------|-----------------|-----------------------|---------------------|------------------------|
| Delsoy 4210 (SCN) | 22 | 19 | 19 | 21 | 10 | 20 | 22 | 5 |
| Flyer (E) | 16 | 11 | 1 | 1 | 8 | 13 | 19 | 8 |
| KS4694 (L) | 8 | 13 | 7 | 17 | 15 | 4 | 6 | 1 |
| Ripley (dt1) | 18 | 10 | 10 | 20 | 3 | 22 | 11 | 22 |
| Stressland (IV) | 7 | 7 | 14 | 10 | 5 | 9 | 5 | 10 |
| A93-754022 | 20 | 14 | 9 | 2 | 13 | 4 | 15 | 7 |
| C1894 | 2 | 18 | 12 | 12 | 12 | 20 | 14 | 18 |
| HC89-2165 | 1 | 5 | 12 | 9 | 22 | 11 | 15 | 11 |
| HC90-196 | 4 | 3 | 3 | 4 | 20 | 8 | 8 | 21 |
| K1287 | 13 | 12 | 17 | 11 | 6 | 15 | 9 | 2 |
| K1288 | 20 | 16 | 7 | 18 | 16 | 12 | 20 | 6 |
| Ky90-1208 | 3 | 2 | 6 | 5 | 21 | 14 | 1 | 12 |
| Ky90-2713 | 8 | 15 | 21 | 13 | 18 | 2 | 3 | 13 |
| Ky91-0402 | 17 | 20 | 20 | 22 | 7 | 7 | 18 | 15 |
| Ky91-1857 | 4 | 17 | 18 | 16 | 17 | 6 | 4 | 16 |
| LN90-3364 | 14 | 6 | 16 | 7 | 9 | 1 | 17 | 2 |
| LN90-4129 | 11 | 1 | 5 | 14 | 4 | 17 | 10 | 17 |
| LN91-1733 | 11 | 9 | 3 | 3 | 1 | 10 | 7 | 14 |
| LS92-1800 | 18 | 22 | 22 | 19 | 19 | 18 | 11 | 8 |
| SL90-4113 | 10 | 21 | 11 | 15 | 10 | 3 | 1 | 19 |
| SS91-7138 | 14 | 8 | 15 | 6 | 2 | 16 | 13 | 4 |
| U93-3716 | 4 | 3 | 2 | 8 | 14 | 19 | 21 | 20 |

UNIFORM TEST IV, 1995

YIELD RANK

| Strain | Adel- phia NJ | Mt. Orab OH | South Charleston OH |
|-------------------|---------------------|-------------------|---------------------------|
| Delsoy 4210 (SCN) | 14 | 18 | 22 |
| Flyer (E) | 15 | 8 | 13 |
| KS4694 (L) | 16 | 3 | 20 |
| Ripley (dt1) | 4 | 7 | 18 |
| Stressland (IV) | 21 | 6 | 6 |
| A93-754022 | 19 | 11 | 2 |
| C1894 | 7 | 14 | 10 |
| HC89-2165 | 20 | 17 | 15 |
| HC90-196 | 22 | 5 | 5 |
| K1287 | 4 | 20 | 19 |
| K1288 | 18 | 12 | 17 |
| Ky90-1208 | 10 | 15 | 1 |
| Ky90-2713 | 12 | 19 | 7 |
| Ky91-0402 | 9 | 13 | 8 |
| Ky91-1857 | 3 | 2 | 4 |
| LN90-3364 | 11 | 9 | 12 |
| LN90-4129 | 8 | 1 | 9 |
| LN91-1733 | 6 | 10 | 3 |
| LS92-1800 | 2 | 22 | 21 |
| SL90-4113 | 16 | 3 | 14 |
| SS91-7138 | 1 | 15 | 11 |
| U93-3716 | 13 | 21 | 15 |

UNIFORM TEST IV, 1995

MATURITY (date)

| Strain | Mean 15 Tests | George- town DE | Belle- ville IL | Newton IL | Ridg- way IL | Ullin IL | Urbana IL |
|-------------------|---------------------|-----------------------|-----------------------|--------------|--------------------|-------------|--------------|
| Delsoy 4210 (SCN) | 2.2 | 2 | | 2 | 1 | 4 | 2 |
| Flyer (E) | -3.1 | -2 | | -3 | -4 | 0 | -3 |
| KS4694 (L) | 5.0 | 7 | | 2 | 3 | 6 | 2 |
| Ripley (dt1) | -1.8 | | | -3 | -2 | -1 | -3 |
| Stressland (IV) | 09/27 | 09/21 | | 09/27 | 09/23 | 09/23 | 10/02 |
| A93-754022 | -1.7 | -2 | | -2 | -1 | -1 | -1 |
| C1894 | 1.7 | 3 | | 3 | 2 | 3 | 2 |
| HC89-2165 | -0.6 | -1 | | 0 | 0 | 1 | 0 |
| HC90-196 | -3.2 | -2 | | -4 | -2 | -1 | -2 |
| K1287 | 2.4 | 0 | | 2 | 2 | 7 | 2 |
| K1288 | 4.0 | 6 | | 3 | 3 | 4 | 2 |
| Ky90-1208 | -0.5 | -2 | | -2 | -1 | 1 | -2 |
| Ky90-2713 | 4.5 | 6 | | 3 | 4 | 5 | 2 |
| Ky91-0402 | 5.4 | 7 | | 3 | 5 | 9 | 2 |
| Ky91-1857 | 5.7 | 7 | | 3 | 7 | 9 | 1 |
| LN90-3364 | -2.5 | -3 | | -4 | -2 | -1 | -2 |
| LN90-4129 | 0.9 | 0 | | 0 | 0 | 3 | 1 |
| LN91-1733 | -0.7 | -2 | | -2 | -1 | 3 | 0 |
| LS92-1800 | 2.5 | 4 | | 2 | 1 | 5 | 2 |
| SL90-4113 | 5.9 | 10 | | 1 | 0 | 11 | 1 |
| SS91-7138 | 2.3 | 1 | | 3 | 2 | 5 | 2 |
| U93-3716 | -4.5 | -6 | | -7 | -5 | -1 | -3 |
| Date Planted | 06/01 | 05/31 | | 06/13 | 05/31 | 06/06 | 05/30 |
| Days to Mature | 118.5 | 113 | | 106 | 115 | 109 | 125 |

UNIFORM TEST IV, 1995

MATURITY (date)

| Strain | Lafayette IN | Manhattan KS | Ottawa KS | Topeka KS | Lexington KY | Queens-town MD | Columbia MO | Portage ville MO |
|-------------------|-----------------|-----------------|--------------|--------------|-----------------|-------------------|----------------|------------------------|
| Delsoy 4210 (SCN) | 1 | 5 | | 1 | 1 | 5 | 0 | 3 |
| Flyer (E) | -2 | -1 | | -5 | -6 | -3 | -1 | -4 |
| KS4694 (L) | 2 | 12 | | 4 | 1 | 8 | 3 | 8 |
| Ripley (dt1) | 0 | -1 | | -3 | -1 | -4 | -3 | -5 |
| Stressland (IV) | 09/30 | 10/07 | | 10/07 | 09/25 | 09/25 | 10/04 | 09/12 |
| A93-754022 | -3 | 2 | | -3 | -5 | 0 | 0 | 2 |
| C1894 | 2 | 5 | | 0 | -5 | 2 | 3 | 1 |
| HC89-2165 | 0 | 2 | | -2 | -7 | -2 | 0 | 0 |
| HC90-196 | -1 | 0 | | -5 | -13 | -1 | -2 | -5 |
| K1287 | 2 | 5 | | 2 | -2 | 2 | 2 | 4 |
| K1288 | 2 | 6 | | 0 | 1 | 6 | 2 | 8 |
| Ky90-1208 | -1 | 6 | | 1 | -6 | -1 | 1 | -1 |
| Ky90-2713 | 2 | 6 | | 2 | 2 | 10 | 4 | 9 |
| Ky91-0402 | 3 | 4 | | 3 | 5 | 8 | 1 | 13 |
| Ky91-1857 | 3 | 7 | | 4 | 5 | 8 | 5 | 10 |
| LN90-3364 | -3 | 0 | | -4 | -7 | 2 | -1 | -1 |
| LN90-4129 | -2 | 5 | | 0 | -2 | 3 | 1 | 1 |
| LN91-1733 | -2 | 2 | | -3 | -4 | 0 | -1 | 2 |
| LS92-1800 | 2 | 5 | | 2 | -4 | 5 | 3 | 7 |
| SL90-4113 | 2 | 6 | | 3 | 3 | 11 | 6 | 15 |
| SS91-7138 | 1 | 5 | | 1 | -1 | 0 | 1 | 8 |
| U93-3716 | -6 | 0 | | -3 | -5 | -7 | -5 | 0 |
| Date Planted | 06/05 | 06/14 | | 05/30 | 05/23 | 05/31 | 06/22 | 05/19 |
| Days to Mature | 117 | 115 | | 130 | 125 | 117 | 104 | 116 |

UNIFORM TEST IV, 1995

MATURITY (date)

| Strain | Adel- phia NJ | Mt. Orab OH | South Charleston OH |
|-------------------|---------------------|-------------------|---------------------------|
| Delsoy 4210 (SCN) | 7 | 2 | -3 |
| Flyer (E) | -3 | -3 | -6 |
| KS4694 (L) | 7 | 7 | 3 |
| Ripley (dt1) | 3 | 2 | -4 |
| Stressland (IV) | 10/07 | 09/21 | 09/30 |
| A93-754022 | -5 | -2 | -4 |
| C1894 | 6 | 1 | -3 |
| HC89-2165 | 3 | -3 | 0 |
| HC90-196 | -3 | -1 | -6 |
| K1287 | 6 | 3 | -1 |
| K1288 | 7 | 8 | 2 |
| Ky90-1208 | 4 | -1 | -4 |
| Ky90-2713 | 5 | 7 | 0 |
| Ky91-0402 | 6 | 9 | 3 |
| Ky91-1857 | 6 | 11 | -1 |
| LN90-3364 | -2 | -4 | -6 |
| LN90-4129 | 0 | 5 | -2 |
| LN91-1733 | -3 | 3 | -3 |
| LS92-1800 | 3 | 2 | -2 |
| SL90-4113 | 2 | 13 | 4 |
| SS91-7138 | 7 | 1 | -2 |
| U93-3716 | -5 | -6 | -8 |
| Date Planted | 06/19 | 05/23 | 04/28 |
| Days to Mature | 110 | 121 | 155 |

UNIFORM TEST IV, 1995

LODGING (score)

| Strain | Mean 17 Tests | George- town DE | Belle- ville IL | Newton IL | Ridg- way IL | Ullin IL | Urbana IL |
|-------------------|---------------------|-----------------------|-----------------------|--------------|--------------------|-------------|--------------|
| Delsoy 4210 (SCN) | 1.9 | 1.3 | 1.0 | 1.5 | 2.7 | 1.0 | 2.7 |
| Flyer (E) | 1.2 | 1.0 | 1.0 | 1.0 | 1.5 | 1.0 | 1.3 |
| KS4694 (L) | 1.4 | 1.0 | 1.0 | 1.0 | 1.7 | 1.0 | 1.5 |
| Ripley (dt1) | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Stressland (IV) | 1.7 | 1.3 | 1.0 | 1.3 | 2.8 | 1.0 | 1.8 |
| A93-754022 | 1.3 | 1.7 | 1.0 | 1.0 | 1.7 | 1.0 | 1.0 |
| C1894 | 1.4 | 1.0 | 1.0 | 1.3 | 2.3 | 1.0 | 1.5 |
| HC89-2165 | 1.7 | 1.0 | 1.0 | 1.5 | 2.3 | 1.0 | 2.2 |
| HC90-196 | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| K1287 | 1.4 | 1.3 | 1.0 | 1.0 | 1.5 | 1.0 | 1.0 |
| K1288 | 1.8 | 1.3 | 1.0 | 1.3 | 2.3 | 1.0 | 1.8 |
| Ky90-1208 | 1.8 | 1.3 | 1.0 | 1.0 | 1.7 | 1.0 | 1.7 |
| Ky90-2713 | 1.7 | 1.3 | 1.0 | 1.3 | 2.5 | 1.0 | 1.8 |
| Ky91-0402 | 1.4 | 1.3 | 1.0 | 1.2 | 2.0 | 1.0 | 1.0 |
| Ky91-1857 | 2.0 | 1.0 | 1.0 | 1.3 | 2.2 | 1.0 | 1.7 |
| LN90-3364 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| LN90-4129 | 1.3 | 1.0 | 1.0 | 1.0 | 1.8 | 1.0 | 1.8 |
| LN91-1733 | 1.2 | 1.0 | 1.0 | 1.0 | 1.5 | 1.0 | 1.2 |
| LS92-1800 | 1.5 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.5 |
| SL90-4113 | 1.4 | 1.3 | 1.0 | 1.0 | 2.2 | 1.0 | 1.3 |
| SS91-7138 | 1.4 | 1.0 | 1.0 | 1.0 | 1.8 | 1.0 | 1.0 |
| U93-3716 | 1.5 | 1.0 | 1.0 | 1.0 | 2.3 | 1.0 | 1.2 |

UNIFORM TEST IV, 1995

LODGING (score)

| Strain | Lafayette IN | Manhattan KS | Ottawa KS | Topeka KS | Lexington KY | Queens-town MD | Columbia MO | Portage ville MO |
|-------------------|-----------------|-----------------|--------------|--------------|-----------------|-------------------|----------------|------------------------|
| Delsoy 4210 (SCN) | 1.8 | 2.7 | 1.7 | 2.3 | 4.0 | 1.8 | 1.0 | 1.5 |
| Flyer (E) | 1.0 | 1.3 | 1.3 | 1.0 | 2.0 | 1.3 | 1.0 | 1.5 |
| KS4694 (L) | 1.5 | 2.0 | 1.0 | 1.3 | 2.0 | 1.3 | 1.0 | 1.5 |
| Ripley (dt1) | 1.0 | 1.3 | 1.0 | 1.3 | 3.0 | 1.0 | 1.0 | 1.0 |
| Stressland (IV) | 1.3 | 1.7 | 1.3 | 2.3 | 3.0 | 1.5 | 1.0 | 2.0 |
| A93-754022 | 1.0 | 1.7 | 1.0 | 1.3 | 2.0 | 1.3 | 1.0 | 1.0 |
| C1894 | 1.2 | 2.0 | 1.0 | 2.3 | 2.0 | 1.0 | 1.0 | 1.5 |
| HC89-2165 | 1.7 | 2.0 | 1.7 | 2.0 | 3.0 | 1.7 | 1.0 | 1.5 |
| HC90-196 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 1.0 | 1.0 | 1.0 |
| K1287 | 1.0 | 2.0 | 1.0 | 1.3 | 2.0 | 1.7 | 1.0 | 1.5 |
| K1288 | 1.7 | 2.3 | 1.3 | 2.0 | 4.0 | 1.8 | 1.0 | 2.0 |
| Ky90-1208 | 2.7 | 2.3 | 1.7 | 2.7 | 3.0 | 1.8 | 1.0 | 1.5 |
| Ky90-2713 | 2.0 | 2.3 | 1.3 | 2.7 | 3.0 | 1.8 | 1.0 | 1.0 |
| Ky91-0402 | 1.3 | 1.7 | 1.0 | 1.3 | 2.0 | 1.5 | 1.0 | 1.5 |
| Ky91-1857 | 2.5 | 2.7 | 1.3 | 3.0 | 4.0 | 2.0 | 2.0 | 1.5 |
| LN90-3364 | 1.0 | 1.3 | 1.0 | 1.3 | 1.0 | 1.7 | 1.0 | 1.5 |
| LN90-4129 | 1.2 | 1.7 | 1.0 | 1.7 | 2.0 | 1.3 | 1.0 | 1.0 |
| LN91-1733 | 1.0 | 1.0 | 1.3 | 1.0 | 2.0 | 1.2 | 1.0 | 1.0 |
| LS92-1800 | 1.5 | 2.0 | 1.3 | 1.7 | 3.0 | 1.3 | 1.0 | 1.0 |
| SL90-4113 | 1.0 | 1.3 | 1.0 | 2.0 | 3.0 | 1.7 | 1.0 | 1.0 |
| SS91-7138 | 1.2 | 2.0 | 1.0 | 2.0 | 3.0 | 1.5 | 1.0 | 1.0 |
| U93-3716 | 1.2 | 2.0 | 1.3 | 2.0 | 2.0 | 1.2 | 1.0 | 1.5 |

UNIFORM TEST IV, 1995

LODGING (score)

| Strain | Adel- phia NJ | Mt. Orab OH | South Charleston OH |
|-------------------|---------------------|-------------------|---------------------------|
| Delsoy 4210 (SCN) | 2.0 | 1.0 | 2.2 |
| Flyer (E) | 1.0 | 1.0 | 1.7 |
| KS4694 (L) | 1.7 | 1.0 | 2.3 |
| Ripley (dt1) | 2.3 | 1.0 | 1.0 |
| Stressland (IV) | 1.7 | 1.0 | 2.3 |
| A93-754022 | 1.3 | 1.0 | 1.7 |
| C1894 | 1.7 | 1.0 | 1.8 |
| HC89-2165 | 2.0 | 1.0 | 2.7 |
| HC90-196 | 1.0 | 1.0 | 1.0 |
| K1287 | 2.7 | 1.0 | 1.2 |
| K1288 | 2.0 | 1.0 | 2.0 |
| Ky90-1208 | 2.3 | 1.0 | 2.2 |
| Ky90-2713 | 2.3 | 1.0 | 2.2 |
| Ky91-0402 | 1.7 | 1.0 | 2.5 |
| Ky91-1857 | 3.7 | 1.0 | 2.5 |
| LN90-3364 | 1.3 | 1.0 | 1.7 |
| LN90-4129 | 1.3 | 1.0 | 1.5 |
| LN91-1733 | 1.0 | 1.0 | 2.0 |
| LS92-1800 | 2.0 | 1.0 | 1.7 |
| SL90-4113 | 1.3 | 1.0 | 1.8 |
| SS91-7138 | 2.0 | 1.0 | 1.8 |
| U93-3716 | 2.0 | 1.0 | 2.2 |

UNIFORM TEST IV, 1995

PLANT HEIGHT (inches)

| Strain | Mean 17 Tests | George- town DE | Belle- ville IL | Newton IL | Ridg- way IL | Ullin IL | Urbana IL |
|-------------------|---------------------|-----------------------|-----------------------|--------------|--------------------|-------------|--------------|
| Delsoy 4210 (SCN) | 38 | 32 | 40 | 37 | 41 | 48 | 43 |
| Flyer (E) | 32 | 27 | 29 | 34 | 34 | 37 | 37 |
| KS4694 (L) | 34 | 34 | 28 | 29 | 36 | 40 | 36 |
| Ripley (dt1) | 21 | 19 | 23 | 21 | 20 | 19 | 21 |
| Stressland (IV) | 35 | 28 | 34 | 36 | 36 | 44 | 39 |
| A93-754022 | 29 | 30 | 28 | 23 | 31 | 33 | 37 |
| C1894 | 34 | 29 | 35 | 34 | 34 | 40 | 41 |
| HC89-2165 | 37 | 32 | 33 | 41 | 39 | 45 | 44 |
| HC90-196 | 23 | 33 | 24 | 24 | 22 | 24 | 23 |
| K1287 | 32 | 27 | 28 | 32 | 29 | 39 | 38 |
| K1288 | 38 | 34 | 30 | 41 | 41 | 41 | 46 |
| Ky90-1208 | 33 | 28 | 32 | 29 | 32 | 39 | 39 |
| Ky90-2713 | 41 | 33 | 39 | 44 | 45 | 48 | 47 |
| Ky91-0402 | 35 | 31 | 32 | 35 | 39 | 38 | 40 |
| Ky91-1857 | 40 | 29 | 41 | 44 | 42 | 48 | 43 |
| LN90-3364 | 32 | 24 | 28 | 32 | 34 | 37 | 38 |
| LN90-4129 | 30 | 26 | 30 | 30 | 28 | 34 | 37 |
| LN91-1733 | 30 | 29 | 28 | 31 | 32 | 37 | 38 |
| LS92-1800 | 38 | 30 | 35 | 36 | 41 | 48 | 46 |
| SL90-4113 | 35 | 26 | 36 | 31 | 36 | 40 | 41 |
| SS91-7138 | 34 | 28 | 27 | 28 | 40 | 40 | 44 |
| U93-3716 | 30 | 23 | 29 | 29 | 34 | 37 | 39 |

UNIFORM TEST IV, 1995

PLANT HEIGHT (inches)

| Strain | Lafayette IN | Manhattan KS | Ottawa KS | Topeka KS | Lexington KY | Queens-town MD | Columbia MO | Portage ville MO |
|-------------------|-----------------|-----------------|--------------|--------------|-----------------|-------------------|----------------|------------------------|
| Delsoy 4210 (SCN) | 48 | 44 | 35 | 43 | 42 | 31 | 37 | 32 |
| Flyer (E) | 42 | 38 | 29 | 34 | 29 | 26 | 33 | 31 |
| KS4694 (L) | 44 | 45 | 30 | 40 | 37 | 28 | 34 | 29 |
| Ripley (dt1) | 30 | 28 | 17 | 19 | 27 | 13 | 23 | 9 |
| Stressland (IV) | 45 | 42 | 32 | 38 | 38 | 30 | 36 | 24 |
| A93-754022 | 38 | 40 | 27 | 33 | 26 | 25 | 32 | 19 |
| C1894 | 44 | 44 | 32 | 41 | 34 | 23 | 34 | 22 |
| HC89-2165 | 46 | 44 | 33 | 40 | 34 | 32 | 39 | 26 |
| HC90-196 | 28 | 31 | 20 | 18 | 27 | 18 | 23 | 12 |
| K1287 | 40 | 38 | 27 | 39 | 35 | 27 | 32 | 29 |
| K1288 | 47 | 42 | 35 | 40 | 41 | 33 | 39 | 36 |
| Ky90-1208 | 48 | 40 | 30 | 37 | 35 | 24 | 34 | 26 |
| Ky90-2713 | 53 | 50 | 34 | 47 | 42 | 36 | 43 | 39 |
| Ky91-0402 | 44 | 43 | 31 | 41 | 40 | 28 | 35 | 33 |
| Ky91-1857 | 50 | 48 | 33 | 42 | 45 | 35 | 40 | 31 |
| LN90-3364 | 40 | 37 | 31 | 36 | 26 | 30 | 34 | 29 |
| LN90-4129 | 36 | 39 | 28 | 33 | 31 | 24 | 29 | 19 |
| LN91-1733 | 38 | 25 | 29 | 34 | 33 | 28 | 31 | 20 |
| LS92-1800 | 47 | 47 | 35 | 44 | 40 | 31 | 40 | 27 |
| SL90-4113 | 44 | 44 | 33 | 44 | 41 | 31 | 34 | 28 |
| SS91-7138 | 41 | 41 | 30 | 40 | 38 | 25 | 38 | 26 |
| U93-3716 | 41 | 39 | 30 | 35 | 29 | 23 | 29 | 20 |

UNIFORM TEST IV, 1995

PLANT HEIGHT (inches)

| Strain | Adel- phia NJ | Mt. Orab OH | South Charleston OH |
|-------------------|---------------------|-------------------|---------------------------|
| Delsoy 4210 (SCN) | 39 | 26 | 28 |
| Flyer (E) | 30 | 22 | 31 |
| KS4694 (L) | 32 | 22 | 30 |
| Ripley (dtl) | 26 | 18 | 20 |
| Stressland (IV) | 34 | 25 | 34 |
| A93-754022 | 30 | 21 | 28 |
| C1894 | 34 | 22 | 29 |
| HC89-2165 | 36 | 24 | 34 |
| HC90-196 | 26 | 19 | 21 |
| K1287 | 31 | 21 | 34 |
| K1288 | 34 | 29 | 35 |
| Ky90-1208 | 32 | 23 | 31 |
| Ky90-2713 | 38 | 27 | 40 |
| Ky91-0402 | 33 | 22 | 36 |
| Ky91-1857 | 38 | 30 | 35 |
| LN90-3364 | 33 | 20 | 30 |
| LN90-4129 | 27 | 21 | 31 |
| LN91-1733 | 30 | 21 | 31 |
| LS92-1800 | 39 | 25 | 36 |
| SL90-4113 | 32 | 24 | 37 |
| SS91-7138 | 36 | 22 | 30 |
| U93-3716 | 21 | 20 | 29 |

UNIFORM TEST IV, 1995

SEED QUALITY (score)

| Strain | Mean 16 Tests | George- town DE | Belle- ville IL | Newton IL | Ridg- way IL | Ullin IL | Urbana IL |
|-------------------|---------------------|-----------------------|-----------------------|--------------|--------------------|-------------|--------------|
| Delsoy 4210 (SCN) | 1.9 | | 3.0 | 1.5 | 1.8 | 1.0 | 2.0 |
| Flyer (E) | 1.5 | | 1.0 | 1.5 | 1.5 | 1.0 | 1.8 |
| KS4694 (L) | 1.7 | | 3.0 | 1.5 | 1.5 | 1.0 | 1.7 |
| Ripley (dt1) | 1.5 | | 3.0 | 1.5 | 1.5 | 1.0 | 1.7 |
| Stressland (IV) | 1.7 | | 2.0 | 1.5 | 1.5 | 1.0 | 1.8 |
| A93-754022 | 2.0 | | 2.0 | 1.5 | 1.5 | 1.0 | 1.8 |
| C1894 | 1.9 | | 2.0 | 1.5 | 1.5 | 1.0 | 2.3 |
| HC89-2165 | 1.7 | | 2.0 | 1.5 | 1.5 | 1.0 | 1.7 |
| HC90-196 | 1.7 | | 1.0 | 1.5 | 1.5 | 1.0 | 1.5 |
| K1287 | 1.8 | | 2.0 | 1.5 | 1.5 | 1.0 | 2.0 |
| K1288 | 1.9 | | 2.0 | 1.5 | 1.5 | 1.0 | 2.0 |
| Ky90-1208 | 1.8 | | 2.0 | 1.5 | 1.5 | 1.0 | 1.7 |
| Ky90-2713 | 2.1 | | 2.0 | 1.5 | 1.7 | 1.0 | 3.3 |
| Ky91-0402 | 1.8 | | 2.0 | 1.5 | 1.5 | 1.0 | 1.8 |
| Ky91-1857 | 1.8 | | 3.0 | 1.5 | 1.7 | 1.0 | 1.8 |
| LN90-3364 | 1.6 | | 1.0 | 1.5 | 1.5 | 1.0 | 1.7 |
| LN90-4129 | 1.7 | | 1.0 | 1.5 | 1.5 | 1.0 | 1.8 |
| LN91-1733 | 1.5 | | 1.0 | 1.5 | 1.5 | 1.0 | 1.7 |
| LS92-1800 | 1.6 | | 1.0 | 1.5 | 1.7 | 1.0 | 1.8 |
| SL90-4113 | 1.9 | | 1.0 | 1.5 | 1.5 | 2.0 | 1.7 |
| SS91-7138 | 1.9 | | 2.0 | 1.5 | 2.2 | 1.0 | 2.3 |
| U93-3716 | 2.0 | | 2.0 | 1.5 | 1.5 | 1.0 | 1.8 |

UNIFORM TEST IV, 1995

SEED QUALITY (score)

| Strain | Lafayette IN | Manhattan KS | Ottawa KS | Topeka KS | Lexington KY | Queens-town MD | Columbia MO | Portage ville MO |
|-------------------|-----------------|-----------------|--------------|--------------|-----------------|-------------------|----------------|------------------------|
| Delsoy 4210 (SCN) | 1.0 | 2.0 | 1.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Flyer (E) | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.8 | 2.0 | 2.0 |
| KS4694 (L) | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.5 |
| Ripley (dtl) | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| Stressland (IV) | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| A93-754022 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.3 | 3.0 | 2.5 |
| C1894 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2.3 | 2.0 | 3.5 |
| HC89-2165 | 1.0 | 2.0 | 3.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.5 |
| HC90-196 | 1.0 | 2.0 | 3.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.5 |
| K1287 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.8 | 2.0 | 2.0 |
| K1288 | 1.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.7 | 3.0 | 2.0 |
| Ky90-1208 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Ky90-2713 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.5 | 2.0 | 2.5 |
| Ky91-0402 | 2.0 | 2.0 | 3.0 | 3.0 | 1.0 | 1.7 | 2.0 | 2.0 |
| Ky91-1857 | 1.0 | 3.0 | 2.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 |
| LN90-3364 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| LN90-4129 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.3 | 2.0 | 2.5 |
| LN91-1733 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.8 | 2.0 | 2.0 |
| LS92-1800 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| SL90-4113 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.7 | 2.0 | 2.0 |
| SS91-7138 | 1.0 | 2.0 | 2.0 | 3.0 | 1.0 | 1.8 | 2.0 | 2.0 |
| U93-3716 | 1.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.8 | 1.0 | 2.5 |

UNIFORM TEST IV, 1995

SEED QUALITY (score)

| Strain | Adel- phia NJ | Mt. Orab OH | South Charleston OH |
|-------------------|---------------------|-------------------|---------------------------|
| Delsoy 4210 (SCN) | 1.0 | 2.1 | 2.3 |
| Flyer (E) | 1.0 | 1.7 | 1.5 |
| KS4694 (L) | 1.0 | 1.3 | 1.5 |
| Ripley (dt1) | 1.0 | 1.4 | 1.3 |
| Stressland (IV) | 1.3 | 2.3 | 2.0 |
| A93-754022 | 1.0 | 2.3 | 2.0 |
| C1894 | 2.7 | 2.2 | 2.5 |
| HC89-2165 | 1.0 | 1.9 | 1.8 |
| HC90-196 | 1.0 | 1.7 | 1.8 |
| K1287 | 1.0 | 2.3 | 2.0 |
| K1288 | 1.0 | 2.4 | 2.0 |
| Ky90-1208 | 1.0 | 2.7 | 2.0 |
| Ky90-2713 | 1.7 | 2.1 | 2.3 |
| Ky91-0402 | 1.0 | 1.3 | 2.0 |
| Ky91-1857 | 1.0 | 2.4 | 2.0 |
| LN90-3364 | 1.0 | 2.0 | 2.0 |
| LN90-4129 | 1.3 | 2.0 | 2.5 |
| LN91-1733 | 1.0 | 2.7 | 1.8 |
| LS92-1800 | 1.0 | 2.4 | 1.8 |
| SL90-4113 | 1.0 | 2.1 | 2.0 |
| SS91-7138 | 1.7 | 2.6 | 1.5 |
| U93-3716 | 1.3 | 4.1 | 2.5 |

UNIFORM TEST IV, 1995

SEED SIZE (g/100)

| Strain | Mean 16 Tests | George- town DE | Belle- ville IL | Newton IL | Ridg- way IL | Ullin IL | Urbana IL |
|-------------------|---------------------|-----------------------|-----------------------|--------------|--------------------|-------------|--------------|
| Delsoy 4210 (SCN) | 14.0 | | 12.5 | 13.2 | 12.7 | 12.2 | 13.9 |
| Flyer (E) | 12.3 | | 12.7 | 10.8 | 11.4 | 9.8 | 12.0 |
| KS4694 (L) | 13.6 | | 12.1 | 12.0 | 12.7 | 11.9 | 13.2 |
| Ripley (dt1) | 11.1 | | 11.6 | 9.7 | 10.8 | 7.7 | 12.4 |
| Stressland (IV) | 11.7 | | 10.0 | 10.8 | 11.2 | 10.2 | 11.8 |
| A93-754022 | 12.8 | | 11.3 | 10.9 | 12.4 | 10.4 | 13.2 |
| C1894 | 15.5 | | 12.3 | 16.0 | 14.9 | 12.8 | 15.3 |
| HC89-2165 | 10.8 | | 10.0 | 10.5 | 10.4 | 9.1 | 10.6 |
| HC90-196 | 13.2 | | 13.1 | 11.7 | 12.8 | 10.7 | 14.4 |
| K1287 | 13.6 | | 12.1 | 12.3 | 13.1 | 12.6 | 14.1 |
| K1288 | 13.7 | | 11.7 | 13.1 | 13.4 | 12.0 | 13.7 |
| Ky90-1208 | 12.4 | | 11.6 | 11.4 | 11.9 | 10.8 | 12.4 |
| Ky90-2713 | 14.8 | | 12.9 | 15.3 | 14.4 | 12.8 | 13.6 |
| Ky91-0402 | 11.7 | | 10.2 | 11.0 | 11.1 | 10.8 | 11.3 |
| Ky91-1857 | 12.9 | | 11.2 | 12.0 | 12.3 | 12.3 | 11.7 |
| LN90-3364 | 12.9 | | 12.1 | 11.7 | 13.1 | 10.9 | 12.9 |
| LN90-4129 | 16.8 | | 14.4 | 15.6 | 17.6 | 15.2 | 16.5 |
| LN91-1733 | 13.2 | | 11.6 | 11.6 | 13.1 | 11.8 | 13.0 |
| LS92-1800 | 12.5 | | 11.5 | 11.8 | 12.8 | 11.6 | 12.6 |
| SL90-4113 | 13.7 | | 12.9 | 11.7 | 11.9 | 13.5 | 11.8 |
| SS91-7138 | 13.1 | | 11.2 | 12.9 | 15.0 | 10.1 | 13.4 |
| U93-3716 | 13.3 | | 12.0 | 11.1 | 13.3 | 10.6 | 14.3 |

UNIFORM TEST IV, 1995

SEED SIZE (g/100)

| Strain | Lafayette IN | Manhattan KS | Ottawa KS | Topeka KS | Lexington KY | Queens-town MD | Columbia MO | Portageville MO |
|-------------------|-----------------|-----------------|--------------|--------------|-----------------|-------------------|----------------|--------------------|
| Delsoy 4210 (SCN) | 14.6 | 15.7 | 15.0 | 17.1 | 16.8 | 12.4 | 12.9 | 11.0 |
| Flyer (E) | 12.3 | 15.5 | 14.5 | 15.2 | 16.0 | 10.2 | 10.8 | 10.6 |
| KS4694 (L) | 14.9 | 14.8 | 14.0 | 16.1 | 15.5 | 12.6 | 14.2 | 11.5 |
| Ripley (dt1) | 10.6 | 13.4 | 11.5 | 14.4 | 13.3 | 9.6 | 10.0 | 10.6 |
| Stressland (IV) | 12.5 | 13.0 | 11.7 | 13.8 | 14.7 | 10.0 | 11.8 | 10.4 |
| A93-754022 | 11.9 | 16.0 | 13.2 | 15.9 | 17.2 | 12.5 | 11.0 | 10.7 |
| C1894 | 17.1 | 17.1 | 16.4 | 18.4 | 17.9 | 14.6 | 15.6 | 12.5 |
| HC89-2165 | 11.8 | 12.1 | 11.1 | 12.9 | 11.6 | 9.3 | 10.5 | 9.5 |
| HC90-196 | 13.9 | 16.5 | 13.2 | 17.4 | 16.3 | 10.3 | 11.6 | 11.6 |
| K1287 | 13.7 | 15.8 | 14.6 | 16.1 | 14.7 | 12.3 | 13.8 | 10.8 |
| K1288 | 13.5 | 15.5 | 14.8 | 16.0 | 15.6 | 11.6 | 13.7 | 11.1 |
| Ky90-1208 | 12.7 | 14.0 | 12.2 | 14.5 | 14.3 | 11.2 | 12.0 | 11.4 |
| Ky90-2713 | 16.0 | 15.6 | 15.7 | 16.1 | 17.6 | 14.0 | 15.1 | 12.2 |
| Ky91-0402 | 11.7 | 13.2 | 12.7 | 12.7 | 12.0 | 10.9 | 11.4 | 10.9 |
| Ky91-1857 | 13.6 | 13.9 | 13.1 | 14.3 | 15.1 | 12.2 | 13.2 | 10.2 |
| LN90-3364 | 12.6 | 14.3 | 13.4 | 14.6 | 16.2 | 11.7 | 11.6 | 12.0 |
| LN90-4129 | 17.9 | 19.3 | 17.2 | 19.5 | 20.1 | 14.1 | 16.1 | 14.7 |
| LN91-1733 | 13.2 | 15.7 | 13.5 | 16.1 | 17.1 | 11.1 | 12.9 | 10.8 |
| LS92-1800 | 13.1 | 14.1 | 12.7 | 13.7 | 13.9 | 10.9 | 12.9 | 10.2 |
| SL90-4113 | 15.4 | 16.1 | 15.3 | 16.3 | 15.6 | 14.2 | 11.2 | 11.0 |
| SS91-7138 | 12.4 | 14.3 | 12.3 | 13.8 | 14.8 | 10.8 | 16.1 | 10.3 |
| U93-3716 | 12.5 | 16.9 | 14.8 | 15.6 | 19.1 | 12.7 | 11.1 | 11.7 |

UNIFORM TEST IV, 1995

SEED SIZE (g/100)

| Strain | Adel- phia NJ | Mt. Orab OH | South Charleston OH |
|-------------------|---------------------|-------------------|---------------------------|
| Delsoy 4210 (SCN) | 18.7 | 12.9 | 12.8 |
| Flyer (E) | 12.7 | 11.2 | 11.2 |
| KS4694 (L) | 16.3 | 13.0 | 12.8 |
| Ripley (dt1) | 12.3 | 9.3 | 11.1 |
| Stressland (IV) | 13.3 | 10.9 | 11.5 |
| A93-754022 | 13.3 | 12.5 | 12.9 |
| C1894 | 18.7 | 14.3 | 14.6 |
| HC89-2165 | 13.0 | 10.0 | 10.5 |
| HC90-196 | 12.0 | 12.4 | 12.5 |
| K1287 | 16.3 | 11.8 | 13.1 |
| K1288 | 16.0 | 14.0 | 14.0 |
| Ky90-1208 | 14.0 | 12.0 | 12.4 |
| Ky90-2713 | 16.0 | 14.0 | 15.1 |
| Ky91-0402 | 14.0 | 11.4 | 12.0 |
| Ky91-1857 | 15.0 | 13.2 | 12.8 |
| LN90-3364 | 13.0 | 12.8 | 13.1 |
| LN90-4129 | 17.7 | 15.6 | 17.5 |
| LN91-1733 | 13.7 | 11.7 | 13.7 |
| LS92-1800 | 15.3 | 11.3 | 11.7 |
| SL90-4113 | 13.3 | 14.1 | 15.6 |
| SS91-7138 | 19.7 | 11.8 | 11.4 |
| U93-3716 | 12.7 | 13.3 | 11.5 |

UNIFORM TEST IV, 1995

PROTEIN (%)

| Strain | Mean 5 Tests | Lafayette IN | Manhattan KS | Lexington KY | Queenstown MD | Mt. Orab OH |
|-------------------|--------------------|-----------------|-----------------|-----------------|------------------|-------------------|
| Delsoy 4210 (SCN) | 43.6 | 41.3 | 43.4 | 44.8 | 42.3 | 46.3 |
| Flyer (E) | 44.7 | 43.6 | 42.9 | 46.4 | 43.0 | 47.6 |
| KS4694 (L) | 41.4 | 39.8 | 40.7 | 43.0 | 40.2 | 43.4 |
| Ripley (dt1) | 41.9 | 40.0 | 40.2 | 42.8 | 42.5 | 43.8 |
| Stressland (IV) | 44.0 | 42.2 | 43.0 | 44.9 | 42.2 | 47.7 |
| A93-754022 | 44.2 | 43.4 | 42.6 | 45.5 | 42.0 | 47.4 |
| C1894 | 44.5 | 41.7 | 43.4 | 44.7 | 43.3 | 49.2 |
| HC89-2165 | 42.8 | 41.0 | 41.7 | 43.9 | 41.5 | 45.8 |
| HC90-196 | 41.8 | 39.2 | 41.7 | 42.4 | 41.2 | 44.5 |
| K1287 | 42.5 | 40.7 | 42.8 | 42.1 | 41.7 | 45.0 |
| K1288 | 43.5 | 40.7 | 41.5 | 45.2 | 42.1 | 47.8 |
| Ky90-1208 | 42.6 | 40.3 | 42.1 | 44.7 | 40.7 | 45.2 |
| Ky90-2713 | 41.7 | 39.3 | 42.2 | 43.1 | 38.9 | 45.1 |
| Ky91-0402 | 41.5 | 38.5 | 42.0 | 42.5 | 40.2 | 44.2 |
| Ky91-1857 | 41.9 | 39.2 | 41.3 | 42.6 | 40.6 | 46.0 |
| LN90-3364 | 43.7 | 42.2 | 40.9 | 46.0 | 42.5 | 46.8 |
| LN90-4129 | 43.6 | 42.7 | 41.5 | 45.2 | 43.1 | 45.4 |
| LN91-1733 | 44.0 | 43.2 | 43.0 | 44.4 | 43.1 | 46.2 |
| LS92-1800 | 41.7 | 37.4 | 43.1 | 42.1 | 40.3 | 45.4 |
| SL90-4113 | 42.5 | 39.6 | 42.1 | 43.9 | 42.0 | 44.9 |
| SS91-7138 | 42.5 | 41.0 | 41.0 | 44.0 | 41.4 | 45.1 |
| U93-3716 | 41.7 | 40.8 | 41.0 | 41.9 | 40.2 | 44.5 |

UNIFORM TEST IV, 1995

OIL (%)

| Strain | Mean 5 Tests | Lafayette IN | Manhattan KS | Lexington KY | Queenstown MD | Mt. Orab OH |
|-------------------|--------------------|-----------------|-----------------|-----------------|------------------|-------------------|
| Delsoy 4210 (SCN) | 20.5 | 21.0 | 19.9 | 20.1 | 20.9 | 20.7 |
| Flyer (E) | 20.5 | 20.2 | 20.8 | 20.7 | 20.5 | 20.1 |
| KS4694 (L) | 20.1 | 20.7 | 19.4 | 19.8 | 20.7 | 19.8 |
| Ripley (dt1) | 20.4 | 20.9 | 20.5 | 20.4 | 19.8 | 20.4 |
| Stressland (IV) | 20.3 | 20.6 | 20.2 | 20.8 | 20.6 | 19.2 |
| A93-754022 | 20.6 | 20.2 | 20.4 | 20.7 | 21.2 | 20.5 |
| C1894 | 19.6 | 20.4 | 19.6 | 19.6 | 19.5 | 18.9 |
| HC89-2165 | 20.4 | 21.0 | 19.5 | 20.7 | 20.5 | 20.4 |
| HC90-196 | 20.8 | 21.2 | 20.7 | 21.4 | 20.6 | 19.9 |
| K1287 | 20.4 | 21.0 | 20.6 | 20.5 | 20.2 | 19.9 |
| K1288 | 19.8 | 19.8 | 21.4 | 19.4 | 19.8 | 18.8 |
| Ky90-1208 | 20.6 | 21.0 | 20.3 | 20.2 | 21.0 | 20.6 |
| Ky90-2713 | 20.1 | 20.7 | 20.0 | 19.6 | 20.2 | 20.0 |
| Ky91-0402 | 20.2 | 20.6 | 20.6 | 19.5 | 20.7 | 19.6 |
| Ky91-1857 | 20.3 | 21.0 | 19.6 | 20.4 | 20.8 | 19.8 |
| LN90-3364 | 20.3 | 20.5 | 19.7 | 20.7 | 20.5 | 20.2 |
| LN90-4129 | 20.1 | 20.1 | 19.8 | 20.3 | 20.4 | 20.0 |
| LN91-1733 | 20.8 | 20.6 | 20.5 | 21.0 | 21.0 | 20.7 |
| LS92-1800 | 19.8 | 20.7 | 20.1 | 19.4 | 19.8 | 19.0 |
| SL90-4113 | 20.1 | 20.9 | 21.0 | 19.1 | 20.0 | 19.4 |
| SS91-7138 | 20.1 | 20.6 | 19.3 | 20.8 | 20.8 | 19.2 |
| U93-3716 | 21.1 | 20.9 | 20.3 | 22.0 | 21.0 | 21.1 |

PRELIMINARY TEST IVA, 1995

| Strain | Parentage | Generation Unique Compositd Traits | |
|-----------------|---|------------------------------------|----------|
| | | | |
| Flyer (E) | Asgrow A3127 ⁴ x Williams 82 | BC3 F2 | Rps1-k |
| KS4694 (L) | Sherman x Toano | F5 | |
| Stressland (IV) | HC80-1946 x Asgrow A3127 | F5 | Dt1 |
| C1905 | Suzuyutake x Resnik | F5 | |
| C1906 | Suzuyutake x Resnik | F5 | |
| C1913 | C1742 x CX1159-49-1 | F5 | |
| C1918 | C1762 x Charleston | F6 | |
| C1924 | Edison x HC85-164 | F5 | |
| HC86-3325 | Hobbit x Asgrow A3127 | F5 | Dt1 |
| HC90-3292 | Stafford x Resnik | F5 | Dt1 |
| HC91-3480 | Resnik x Elf BC | F5 | Dt1 |
| HC91-3595 | Resnik x Essex | F5 | Dt1 |
| HC91-3672 | HC83-4532 x Resnik | F5 | Dt1 |
| HC91-3821 | Hutcheson x Resnik | F5 | Dt1 |
| HC91-3822 | Hutcheson x Resnik | F5 | Dt1 |
| HC91-3823 | Hutcheson x Resnik | F5 | Dt1 |
| HC91-3860 | HC83-4507 x Conrad | F5 | Dt1 |
| HS93-4011 | Edison x Asgrow A3733 | F5 | Rps1-k |
| HS93-4118 | IA2007 x Dairyland DSR 304 | F5 | Rps1-c |
| HS93-4121 | IA2007 x Dairyland DSR 304 | F5 | |
| Ky91-1823 | Asgrow A3935 x Hutcheson | F5 | |
| LS92-3229 | LS83-3800 x Essex | F6 | SCN 3 |
| LS92-3651 | Resnik x Asgrow A5474 | F6 | SCN 3 |
| LS92-3660 | Resnik x Asgrow A5474 | F6 | SCN 3 |
| LS92-3685 | Resnik x Asgrow A5474 | F6 | SCN 3 |
| LS92-4173 | Flyer x Pyramid | F6 | SCN 3 |
| Md92-5840 | Hamilton x Bass | F5 | |
| Md92-5850 | Hamilton x Bass | F5 | |
| Md92-5899 | C1742 x Bass | F5 | |
| PA15 | PA4-11b x BSR 201 | F7 | |
| SS91-6675 | Pioneer P9391 x Asgrow A3935 | F5 | 94PTIIIB |
| SS91-7358 | Pioneer P9442 x Pioneer P9461 | F5 | 94PTIIIB |
| SS92-7475 | Pioneer P9442 x Asgrow A3935 | F5 | |
| SS92-7527 | Pioneer P9442 x Asgrow A3935 | F5 | |
| SS92-7540 | Pioneer P9442 x Asgrow A3935 | F5 | |
| SS92-7551 | Pioneer P9442 x Asgrow A3935 | F5 | |
| SS92-7557 | Pioneer P9442 x Asgrow A3935 | F5 | |

PRELIMINARY TEST IVA, 1995

DESCRIPTIVE AND DISEASE DATA

| Strain | Descriptive Code | Shattering | PR | | PS | PSB | Hd Seed | |
|-----------------|------------------|--------------------|---------------------|----------------|----------------|--------|---------|----|
| | | Score Manhattan | Custar Root Race | Rot Race 25 | Laf. Race 7 | a % | n % | % |
| Flyer (E) | PTTDYB1I | 1 | | 3.6 | R | 30 | 2 | 0 |
| KS4694 (L) | WGBShYbFI | 1 | | 4.1 | S | 12 | 2 | 0 |
| Stressland (IV) | PTTDYB1I | 1 | | 3.4 | S | 4 | 0 | 0 |
| C1905 | PTBDYHD | 1 | | 3.5 | S | 2 | 0 | 0 |
| C1906 | PTBDYB1D | 1 | | 3.6 | S | 0 | 0 | 0 |
| C1913 | PTBSYBrI | 1 | | 4.0 | R | 30 | 0 | 0 |
| C1918 | PTBDYGrI | 1 | | 3.7 | S | 12 | 2 | 10 |
| C1924 | PTBSYBrI | 2 | | 3.1 | R | 42 | 2 | 14 |
| HC86-3325 | PTBSYB1I | 1 | | 3.4 | S | 0 | 0 | 0 |
| HC90-3292 | PTTDYB1I | 1 | | 5.1 | S | 14 | 0 | 0 |
| HC91-3480 | PTTSYB1I | 1 | | 3.6 | S | 10 | 0 | 12 |
| HC91-3595 | PTTDYB1I | 1 | | 3.6 | R | 4 | 2 | 0 |
| HC91-3672 | PTTSYB1I | 1 | | 3.6 | S | 4 | 0 | 0 |
| HC91-3821 | PTTDYBrI | 1 | | 3.5 | H | 28 | 0 | 0 |
| HC91-3822 | PTTDYB1I | 2 | | 2.9 | S | 14 | 0 | 0 |
| HC91-3823 | PTTDYB1I | 2 | | 3.1 | R | 18 | 0 | 0 |
| HC91-3860 | P+WTTSYB1I | 2 | | 4.1 | S | 32 | 0 | 0 |
| HS93-4011 | PTTDYB1I | 1 | | 3.9 | R | 14 | 0 | 0 |
| HS93-4118 | WGBDYIbI | 1 | | 3.4 | R | 4 | 0 | 0 |
| HS93-4121 | PGBDYBrI | 1 | | 3.1 | S | 12 | 0 | 0 |
| Ky91-1823 | PTBDYBrI | 1 | | 2.8 | S | 18 | 0 | 0 |
| LS92-3229 | PTTSYB1I | 1 | | 3.8 | S | 2 | 0 | 0 |
| LS92-3651 | PTBSYB1I | 1 | | 2.7 | R | 2 | 0 | 0 |
| LS92-3660 | PTBDYB1I | 1 | | 2.2 | R | 16 | 2 | 0 |
| LS92-3685 | PTBDYB1I | 1 | | 2.3 | R | 12 | 0 | 0 |
| LS92-4173 | PGTDYIbI | 1 | | 3.5 | S | 4 | 0 | 0 |
| Md92-5840 | PGTSYIbI | 1 | | 4.1 | S | 10 | 0 | 0 |
| Md92-5850 | PGTDYHI | 1 | | 4.3 | S | 20 | 0 | 0 |
| Md92-5899 | WTBDYB1I | 1 | | 4.0 | R | 32 | 0 | 0 |
| PA15 | WGTDYbFI | 1 | | 1.6 | R | 2 | 4 | 0 |
| SS91-6675 | PTBDYB1I | 1 | | 2.4 | S | 10 | 2 | 0 |
| SS91-7358 | P+WTTIYB1I | 1 | | 3.4 | S | 10 | 0 | 0 |
| SS92-7475 | WTTSYB1I | 1 | | 3.6 | S | 8 | 2 | 0 |
| SS92-7527 | PTTSYB1I | 1 | | 3.6 | S | 8 | 0 | 0 |
| SS92-7540 | WTBDYB1I | 1 | | 3.3 | R | 4 | 0 | 0 |
| SS92-7551 | WTBSYB1I | 1 | | 3.1 | S | 6 | 0 | 0 |
| SS92-7557 | WTBDYB1I | 1 | | 3.2 | S | 8 | 2 | 0 |

PRELIMINARY TEST IVA, 1995

REGIONAL SUMMARY

| No. of Tests Strain | Yield 7 bu/a | Rank 7 No. | Maturity 7 Date | Lodging 8 Score | Plant Height 8 In. | Seed Quality 8 Score | Seed Size 7 g/100 | <u>Composition</u> | |
|------------------------|--------------------|------------------|-----------------------|-----------------------|-----------------------------|-------------------------------|----------------------------|--------------------|---------------|
| | | | | | | | | Protein 4 % | Oil 4 % |
| Flyer (E) | 45.2 | 19 | -1.9 | 1.4 | 32 | 1.4 | 13.1 | 44.5 | 20.4 |
| KS4694 (L) | 46.1 | 13 | 5.9 | 1.4 | 34 | 1.8 | 13.8 | 43.0 | 20.1 |
| Stressland (IV) | 48.1 | 5 | 09/28* | 1.6 | 35 | 1.8 | 12.1 | 44.9 | 19.6 |
| Cl905 | 38.6 | 35 | 5.7 | 1.8 | 35 | 2.5 | 12.6 | 44.2 | 18.6 |
| Cl906 | 42.5 | 29 | 5.1 | 2.2 | 34 | 2.2 | 13.2 | 42.1 | 19.5 |
| Cl913 | 37.0 | 36 | -3.3 | 1.6 | 31 | 2.4 | 14.9 | 45.4 | 19.1 |
| Cl918 | 40.0 | 34 | -3.6 | 2.1 | 37 | 2.7 | 13.4 | 43.4 | 20.0 |
| Cl924 | 46.5 | 10 | -1.0 | 1.5 | 33 | 2.0 | 14.7 | 42.6 | 21.2 |
| HC86-3325 | 45.8 | 16 | 2.0 | 2.2 | 38 | 1.8 | 12.0 | 42.3 | 20.8 |
| HC90-3292 | 46.1 | 13 | -1.4 | 1.5 | 33 | 1.7 | 13.6 | 43.1 | 20.9 |
| HC91-3480 | 44.3 | 22 | -2.9 | 1.6 | 36 | 2.2 | 14.0 | 43.2 | 20.8 |
| HC91-3595 | 42.8 | 27 | -5.0 | 1.5 | 33 | 1.9 | 14.0 | 44.3 | 20.6 |
| HC91-3672 | 48.4 | 4 | -3.0 | 1.5 | 30 | 1.9 | 15.7 | 42.1 | 21.7 |
| HC91-3821 | 41.9 | 32 | -3.4 | 1.8 | 33 | 2.0 | 13.6 | 42.1 | 20.5 |
| HC91-3822 | 43.0 | 25 | -3.3 | 1.6 | 34 | 1.7 | 14.0 | 43.6 | 20.8 |
| HC91-3823 | 42.4 | 30 | -5.1 | 1.7 | 33 | 1.9 | 13.8 | 43.8 | 20.7 |
| HC91-3860 | 42.6 | 28 | -5.6 | 1.4 | 31 | 2.1 | 15.8 | 43.1 | 21.2 |
| HS93-4011 | 46.8 | 9 | 0.3 | 1.3 | 29 | 1.8 | 13.0 | 42.9 | 20.7 |
| HS93-4118 | 50.4 | 1 | -0.4 | 1.4 | 30 | 2.2 | 14.3 | 42.6 | 20.1 |
| HS93-4121 | 48.8 | 3 | -0.1 | 1.3 | 29 | 2.3 | 13.7 | 42.1 | 20.7 |
| Ky91-1823 | 46.2 | 12 | 2.7 | 1.5 | 36 | 2.9 | 15.3 | 43.4 | 20.5 |
| LS92-3229 | 43.2 | 24 | -0.9 | 1.5 | 31 | 2.0 | 12.9 | 42.8 | 20.7 |
| LS92-3651 | 40.4 | 33 | 3.4 | 1.6 | 37 | 2.1 | 11.5 | 45.9 | 18.9 |
| LS92-3660 | 45.3 | 18 | 0.4 | 2.3 | 35 | 2.1 | 13.0 | 45.1 | 19.5 |
| LS92-3685 | 43.8 | 23 | 2.9 | 1.9 | 36 | 2.2 | 13.4 | 45.1 | 19.3 |
| LS92-4173 | 42.9 | 26 | 5.9 | 1.8 | 34 | 1.7 | 12.1 | 41.0 | 19.2 |
| Md92-5840 | 45.9 | 15 | -1.0 | 1.3 | 29 | 1.7 | 13.5 | 42.7 | 21.1 |
| Md92-5850 | 49.1 | 2 | -0.7 | 1.3 | 30 | 1.7 | 13.8 | 41.3 | 21.5 |
| Md92-5899 | 42.0 | 31 | -1.7 | 1.3 | 29 | 2.1 | 13.1 | 44.4 | 20.0 |
| PA15 | 26.2 | 37 | 17.7 | 2.1 | 45 | 3.3 | 12.1 | 42.7 | 20.1 |
| SS91-6675 | 44.8 | 21 | -0.3 | 1.5 | 34 | 2.0 | 13.3 | 42.7 | 20.5 |
| SS91-7358 | 46.3 | 11 | -1.1 | 1.4 | 32 | 2.3 | 13.4 | 42.8 | 20.7 |
| SS92-7475 | 45.1 | 20 | 2.0 | 1.4 | 30 | 2.0 | 12.7 | 42.6 | 20.5 |
| SS92-7527 | 45.8 | 16 | 0.3 | 1.3 | 30 | 2.0 | 13.6 | 43.3 | 20.5 |
| SS92-7540 | 48.0 | 6 | 0.0 | 1.4 | 30 | 1.8 | 14.2 | 42.8 | 20.7 |
| SS92-7551 | 47.8 | 7 | 1.6 | 1.4 | 31 | 2.2 | 13.5 | 42.8 | 20.7 |
| SS92-7557 | 47.6 | 8 | 1.4 | 1.4 | 30 | 2.3 | 14.5 | 43.0 | 20.8 |

* 122.4 Days After Planting

PRELIMINARY TEST IVA, 1995

YIELD (bu/a)

| Strain | Mean 7 Tests | Belleville IL | Urbana IL | Manhattan KS | Lexington KY |
|-----------------|--------------------|------------------|--------------|-----------------|-----------------|
| Flyer (E) | 45.2 | 30.6 | 53.6 | 53.2 | 43.2 |
| KS4694 (L) | 46.1 | 36.1 | 45.0 | 48.0 | 52.4 |
| Stressland (IV) | 48.1 | 37.6 | 52.9 | 55.6 | 46.2 |
| C1905 | 38.6 | 32.2 | 38.6 | 42.0 | 40.5 |
| C1906 | 42.5 | 40.7 | 44.5 | 48.7 | 39.0 |
| C1913 | 37.0 | 10.8 | 39.8 | 53.8 | 41.1 |
| C1918 | 40.0 | 34.5 | 45.5 | 51.4 | 37.8 |
| C1924 | 46.5 | 37.4 | 50.9 | 57.1 | 47.1 |
| HC86-3325 | 45.8 | 37.7 | 49.2 | 50.6 | 44.0 |
| HC90-3292 | 46.1 | 35.1 | 46.4 | 53.3 | 46.9 |
| HC91-3480 | 44.3 | 30.3 | 51.2 | 50.5 | 45.4 |
| HC91-3595 | 42.8 | 18.1 | 40.8 | 53.2 | 46.0 |
| HC91-3672 | 48.4 | 42.3 | 44.3 | 57.7 | 51.2 |
| HC91-3821 | 41.9 | 24.7 | 44.8 | 54.1 | 40.1 |
| HC91-3822 | 43.0 | 28.0 | 43.3 | 55.6 | 42.8 |
| HC91-3823 | 42.4 | 19.4 | 46.9 | 54.7 | 42.6 |
| HC91-3860 | 42.6 | 30.7 | 47.0 | 51.7 | 44.1 |
| HS93-4011 | 46.8 | 33.9 | 53.8 | 56.4 | 45.7 |
| HS93-4118 | 50.4 | 32.4 | 57.0 | 61.6 | 50.6 |
| HS93-4121 | 48.8 | 31.6 | 56.6 | 55.9 | 49.3 |
| Ky91-1823 | 46.2 | 33.1 | 58.4 | 48.8 | 47.7 |
| LS92-3229 | 43.2 | 34.7 | 50.6 | 46.4 | 47.6 |
| LS92-3651 | 40.4 | 32.6 | 46.7 | 35.6 | 43.0 |
| LS92-3660 | 45.3 | 35.5 | 52.5 | 56.2 | 37.5 |
| LS92-3685 | 43.8 | 30.5 | 51.1 | 49.7 | 43.8 |
| LS92-4173 | 42.9 | 29.7 | 45.1 | 40.8 | 48.5 |
| Md92-5840 | 45.9 | 39.2 | 48.1 | 50.8 | 46.7 |
| Md92-5850 | 49.1 | 42.2 | 47.5 | 56.8 | 49.9 |
| Md92-5899 | 42.0 | 28.3 | 43.5 | 50.4 | 41.6 |
| PA15 | 26.2 | 7.8 | ---- | 55.0 | 26.8 |
| SS91-6675 | 44.8 | 37.0 | 50.6 | 31.7 | 50.3 |
| SS91-7358 | 46.3 | 34.3 | 48.6 | 52.4 | 43.9 |
| SS92-7475 | 45.1 | 33.5 | 43.4 | 53.0 | 44.6 |
| SS92-7527 | 45.8 | 28.5 | 43.0 | 55.7 | 52.4 |
| SS92-7540 | 48.0 | 32.0 | 47.8 | 54.3 | 49.4 |
| SS92-7551 | 47.8 | 34.6 | 51.6 | 55.0 | 47.8 |
| SS92-7557 | 47.6 | 32.8 | 45.8 | 59.3 | 47.9 |
| C.V. (%) | | 13.0 | 9.2 | 5.7 | 8.8 |
| L.S.D. (5%) | | 8.4 | 8.7 | 5.9 | 5.2 |
| Row Sp. (In.) | | 30 | 30 | 30 | 30 |
| Rows/Plot | | 4 | 4 | 4 | 4 |
| Reps | | 2 | 2 | 2 | 2 |

PRELIMINARY TEST IVA, 1995

YIELD (bu/a)

| Strain | Queenstown | Columbia | Mt. Orab* | South |
|-----------------|------------|----------|-----------|------------------|
| | MD | MO | OH | Charleston OH |
| Flyer (E) | 32.4 | 36.5 | 31.0 | 67.1 |
| KS4694 (L) | 28.9 | 44.9 | 34.4 | 67.4 |
| Stressland (IV) | 33.0 | 43.1 | 31.9 | 68.1 |
| C1905 | 20.3 | 37.2 | 19.2 | 59.1 |
| C1906 | 25.1 | 38.6 | 27.5 | 60.7 |
| C1913 | 22.9 | 27.0 | 19.4 | 63.3 |
| C1918 | 24.8 | 36.8 | 17.6 | 49.1 |
| C1924 | 26.3 | 35.3 | 27.0 | 71.3 |
| HC86-3325 | 32.2 | 44.6 | 18.2 | 62.6 |
| HC90-3292 | 31.5 | 37.8 | 24.2 | 71.5 |
| HC91-3480 | 32.5 | 35.7 | 28.6 | 64.7 |
| HC91-3595 | 29.3 | 39.6 | 26.8 | 72.7 |
| HC91-3672 | 30.6 | 41.7 | 31.1 | 70.7 |
| HC91-3821 | 29.8 | 36.0 | 30.2 | 63.8 |
| HC91-3822 | 30.2 | 40.2 | 23.9 | 61.2 |
| HC91-3823 | 27.4 | 38.9 | 28.2 | 66.7 |
| HC91-3860 | 29.8 | 35.8 | 18.9 | 59.4 |
| HS93-4011 | 29.1 | 39.4 | 29.6 | 69.1 |
| HS93-4118 | 30.4 | 43.3 | 32.5 | 77.5 |
| HS93-4121 | 33.4 | 42.6 | 26.8 | 72.3 |
| Ky91-1823 | 30.1 | 36.9 | 25.6 | 68.4 |
| LS92-3229 | 28.3 | 42.4 | 23.2 | 52.7 |
| LS92-3651 | 29.4 | 37.5 | 21.8 | 57.9 |
| LS92-3660 | 33.0 | 39.9 | 23.0 | 62.3 |
| LS92-3685 | 30.6 | 40.5 | 28.4 | 60.3 |
| LS92-4173 | 30.0 | 46.1 | 27.0 | 59.8 |
| Md92-5840 | 29.1 | 41.1 | 22.7 | 66.6 |
| Md92-5850 | 34.5 | 42.0 | 25.9 | 70.5 |
| Md92-5899 | 31.8 | 32.9 | 25.9 | 65.2 |
| PA15 | 18.4 | 26.9 | 13.3 | 22.2 |
| SS91-6675 | 32.7 | 39.9 | 25.8 | 71.5 |
| SS91-7358 | 32.5 | 41.1 | 21.5 | 71.1 |
| SS92-7475 | 29.5 | 41.0 | 22.3 | 70.9 |
| SS92-7527 | 30.9 | 41.4 | 32.2 | 68.7 |
| SS92-7540 | 35.3 | 42.8 | 28.5 | 74.6 |
| SS92-7551 | 30.5 | 42.3 | 31.3 | 73.0 |
| SS92-7557 | 31.4 | 46.9 | 23.8 | 68.9 |
| C.V. (%) | 15.1 | 6.4 | 20.1 | 7.7 |
| L.S.D. (5%) | ns | 5.1 | ns | 10.1 |
| Row Sp. (In.) | 30 | 30 | 15 | 7.5 |
| Rows/Plot | 4 | 4 | 6 | 8 |
| Reps | 2 | 2 | 2 | 2 |

* Data not included in the mean.

PRELIMINARY TEST IVA, 1995

YIELD RANK

| Strain | Yield Rank | Belleville IL | Urbana IL | Manhattan KS | Lexington KY |
|-----------------|------------|---------------|-----------|--------------|--------------|
| Flyer (E) | 19 | 26 | 5 | 19 | 26 |
| KS4694 (L) | 13 | 9 | 26 | 32 | 1 |
| Stressland (IV) | 5 | 6 | 6 | 10 | 17 |
| Cl905 | 35 | 22 | 36 | 34 | 32 |
| Cl906 | 29 | 3 | 28 | 31 | 34 |
| Cl913 | 36 | 36 | 35 | 17 | 31 |
| Cl918 | 34 | 14 | 24 | 24 | 35 |
| Cl924 | 10 | 7 | 11 | 4 | 14 |
| HC86-3325 | 16 | 5 | 14 | 26 | 23 |
| HC90-3292 | 13 | 11 | 22 | 18 | 15 |
| HC91-3480 | 22 | 28 | 9 | 27 | 20 |
| HC91-3595 | 27 | 35 | 34 | 19 | 18 |
| HC91-3672 | 4 | 1 | 29 | 3 | 3 |
| HC91-3821 | 32 | 33 | 27 | 16 | 33 |
| HC91-3822 | 25 | 32 | 32 | 10 | 28 |
| HC91-3823 | 30 | 34 | 20 | 14 | 29 |
| HC91-3860 | 28 | 25 | 19 | 23 | 22 |
| HS93-4011 | 9 | 16 | 4 | 6 | 19 |
| HS93-4118 | 1 | 21 | 2 | 1 | 4 |
| HS93-4121 | 3 | 24 | 3 | 8 | 8 |
| Ky91-1823 | 12 | 18 | 1 | 30 | 12 |
| LS92-3229 | 24 | 12 | 12 | 33 | 13 |
| LS92-3651 | 33 | 20 | 21 | 36 | 27 |
| LS92-3660 | 18 | 10 | 7 | 7 | 36 |
| LS92-3685 | 23 | 27 | 10 | 29 | 25 |
| LS92-4173 | 26 | 29 | 25 | 35 | 9 |
| Md92-5840 | 15 | 4 | 16 | 25 | 16 |
| Md92-5850 | 2 | 2 | 18 | 5 | 6 |
| Md92-5899 | 31 | 31 | 30 | 28 | 30 |
| PA15 | 37 | 37 | 37 | 12 | 37 |
| SS91-6675 | 21 | 8 | 12 | 37 | 5 |
| SS91-7358 | 11 | 15 | 15 | 22 | 24 |
| SS92-7475 | 20 | 17 | 31 | 21 | 21 |
| SS92-7527 | 16 | 30 | 33 | 9 | 1 |
| SS92-7540 | 6 | 23 | 17 | 15 | 7 |
| SS92-7551 | 7 | 13 | 8 | 12 | 11 |
| SS92-7557 | 8 | 19 | 23 | 2 | 10 |

PRELIMINARY TEST IVA, 1995

YIELD RANK

| Strain | Queenstown MD | Columbia MO | Mt. Orab OH | South Charleston OH |
|-----------------|------------------|----------------|----------------|---------------------------|
| Flyer (E) | 9 | 30 | 7 | 19 |
| KS4694 (L) | 29 | 3 | 1 | 18 |
| Stressland (IV) | 4 | 6 | 4 | 17 |
| C1905 | 36 | 27 | 33 | 33 |
| C1906 | 33 | 24 | 14 | 29 |
| C1913 | 35 | 36 | 32 | 25 |
| C1918 | 34 | 29 | 36 | 36 |
| C1924 | 32 | 34 | 15 | 8 |
| HC86-3325 | 10 | 4 | 35 | 26 |
| HC90-3292 | 12 | 25 | 23 | 6 |
| HC91-3480 | 7 | 33 | 10 | 23 |
| HC91-3595 | 26 | 21 | 17 | 4 |
| HC91-3672 | 15 | 12 | 6 | 11 |
| HC91-3821 | 22 | 31 | 8 | 24 |
| HC91-3822 | 19 | 18 | 24 | 28 |
| HC91-3823 | 31 | 23 | 13 | 20 |
| HC91-3860 | 22 | 32 | 34 | 32 |
| HS93-4011 | 27 | 22 | 9 | 13 |
| HS93-4118 | 18 | 5 | 2 | 1 |
| HS93-4121 | 3 | 8 | 17 | 5 |
| Ky91-1823 | 20 | 28 | 22 | 16 |
| LS92-3229 | 30 | 9 | 26 | 35 |
| LS92-3651 | 25 | 26 | 30 | 34 |
| LS92-3660 | 4 | 19 | 27 | 27 |
| LS92-3685 | 15 | 17 | 12 | 30 |
| LS92-4173 | 21 | 2 | 15 | 31 |
| Md92-5840 | 27 | 14 | 28 | 21 |
| Md92-5850 | 2 | 11 | 19 | 12 |
| Md92-5899 | 11 | 35 | 19 | 22 |
| PA15 | 37 | 37 | 37 | 37 |
| SS91-6675 | 6 | 19 | 21 | 6 |
| SS91-7358 | 7 | 14 | 31 | 9 |
| SS92-7475 | 24 | 16 | 29 | 10 |
| SS92-7527 | 14 | 13 | 3 | 15 |
| SS92-7540 | 1 | 7 | 11 | 2 |
| SS92-7551 | 17 | 10 | 5 | 3 |
| SS92-7557 | 13 | 1 | 25 | 14 |

PRELIMINARY TEST IVA, 1995

MATURITY (date)

| Strain | Mean 7 Tests | Belleville IL | Urbana IL | Manhattan KS | Lexington KY |
|-----------------|--------------------|------------------|--------------|-----------------|-----------------|
| Flyer (E) | -1.9 | | 0 | -4 | 0 |
| KS4694 (L) | 5.9 | | 5 | 7 | 7 |
| Stressland (IV) | 09/28 | | 10/01 | 10/10 | 09/18 |
| C1905 | 5.7 | | 5 | 3 | 5 |
| C1906 | 5.1 | | 5 | 4 | 7 |
| C1913 | -3.3 | | -2 | -3 | 0 |
| C1918 | -3.6 | | -1 | -5 | 0 |
| C1924 | -1.0 | | 3 | -2 | 3 |
| HC86-3325 | 2.0 | | 2 | 4 | 3 |
| HC90-3292 | -1.4 | | -3 | -3 | 0 |
| HC91-3480 | -2.9 | | -2 | -3 | 0 |
| HC91-3595 | -5.0 | | -7 | -2 | 0 |
| HC91-3672 | -3.0 | | -2 | 0 | 0 |
| HC91-3821 | -3.4 | | -5 | -1 | 2 |
| HC91-3822 | -3.3 | | -2 | -2 | 0 |
| HC91-3823 | -5.1 | | -6 | -4 | 0 |
| HC91-3860 | -5.6 | | -6 | -5 | 0 |
| HS93-4011 | 0.3 | | 3 | 0 | 0 |
| HS93-4118 | -0.4 | | 3 | 0 | 0 |
| HS93-4121 | -0.1 | | 4 | -1 | 0 |
| Ky91-1823 | 2.7 | | 3 | 3 | 7 |
| LS92-3229 | -0.9 | | 2 | 3 | 3 |
| LS92-3651 | 3.4 | | 4 | 1 | 3 |
| LS92-3660 | 0.4 | | 1 | 2 | 2 |
| LS92-3685 | 2.9 | | 4 | 3 | 2 |
| LS92-4173 | 5.9 | | 5 | 7 | 7 |
| Md92-5840 | -1.0 | | 3 | 2 | 0 |
| Md92-5850 | -0.7 | | 0 | 4 | 0 |
| Md92-5899 | -1.7 | | 0 | -3 | 2 |
| PA15 | 17.7 | | 20 | 2 | 32 |
| SS91-6675 | -0.3 | | -1 | 9 | 0 |
| SS91-7358 | -1.1 | | 0 | 0 | 0 |
| SS92-7475 | 2.0 | | 0 | 4 | 2 |
| SS92-7527 | 0.3 | | 0 | 1 | 0 |
| SS92-7540 | 0.0 | | 0 | 2 | 0 |
| SS92-7551 | 1.6 | | 2 | 3 | 2 |
| SS92-7557 | 1.4 | | 1 | 3 | 3 |
| Date Planted | 05/29 | | 05/30 | 06/14 | 05/23 |
| Days to Mature | 122.4 | | 124 | 118 | 118 |

PRELIMINARY TEST IVA, 1995

MATURITY (date)

| Strain | Queenstown MD | Columbia MO | Mt. Orab OH | South Charleston OH |
|-----------------|------------------|----------------|----------------|---------------------------|
| Flyer (E) | 2 | 0 | -5 | -6 |
| KS4694 (L) | 11 | 2 | 6 | 3 |
| Stressland (IV) | 09/23 | 10/04 | 09/23 | 09/30 |
| C1905 | 14 | 4 | 7 | 2 |
| C1906 | 10 | 4 | 8 | -2 |
| C1913 | -3 | -5 | -6 | -4 |
| C1918 | -4 | -4 | -5 | -6 |
| C1924 | 0 | -1 | -6 | -4 |
| HC86-3325 | 5 | 3 | 2 | -5 |
| HC90-3292 | 1 | -1 | -4 | 0 |
| HC91-3480 | -3 | -4 | -4 | -4 |
| HC91-3595 | -7 | -5 | -6 | -8 |
| HC91-3672 | -3 | -3 | -7 | -6 |
| HC91-3821 | -4 | -3 | -5 | -8 |
| HC91-3822 | -4 | -5 | -3 | -7 |
| HC91-3823 | -6 | -7 | -6 | -7 |
| HC91-3860 | -5 | -6 | -9 | -8 |
| HS93-4011 | 4 | 0 | -1 | -4 |
| HS93-4118 | 2 | 1 | -5 | -4 |
| HS93-4121 | 4 | 0 | -5 | -3 |
| Ky91-1823 | 5 | 1 | 1 | -1 |
| LS92-3229 | 2 | 1 | -7 | -10 |
| LS92-3651 | 8 | 4 | 4 | 0 |
| LS92-3660 | 2 | 1 | -2 | -3 |
| LS92-3685 | 8 | 4 | 2 | -3 |
| LS92-4173 | 9 | 4 | 7 | 2 |
| Md92-5840 | 0 | 0 | -6 | -6 |
| Md92-5850 | 2 | 0 | -6 | -5 |
| Md92-5899 | 1 | 0 | -6 | -6 |
| PA15 | 22 | 8 | 28 | 12 |
| SS91-6675 | -1 | 0 | -5 | -4 |
| SS91-7358 | -2 | 0 | -3 | -3 |
| SS92-7475 | 5 | 2 | 1 | 0 |
| SS92-7527 | 1 | 1 | 0 | -1 |
| SS92-7540 | 2 | 1 | -2 | -3 |
| SS92-7551 | 5 | 3 | -2 | -2 |
| SS92-7557 | 5 | 2 | -1 | -3 |
| Date Planted | 05/31 | 06/22 | 05/23 | 04/28 |
| Days to Mature | 115 | 104 | 123 | 155 |

PRELIMINARY TEST IVA, 1995

LODGING (score)

| Strain | Mean 8 Tests | Belleville IL | Urbana IL | Manhattan KS | Lexington KY |
|-----------------|--------------------|------------------|--------------|-----------------|-----------------|
| Flyer (E) | 1.4 | 1.0 | 1.0 | 2.0 | 2.0 |
| KS4694 (L) | 1.4 | 1.0 | 1.0 | 2.0 | 2.0 |
| Stressland (IV) | 1.6 | 1.0 | 1.8 | 2.0 | 2.0 |
| Cl905 | 1.8 | 1.0 | 1.5 | 3.0 | 3.0 |
| Cl906 | 2.2 | 1.0 | 1.5 | 3.0 | 4.0 |
| Cl913 | 1.6 | 1.0 | 1.0 | 3.0 | 2.0 |
| Cl918 | 2.1 | 1.0 | 1.5 | 3.5 | 4.0 |
| Cl924 | 1.5 | 1.0 | 1.5 | 2.0 | 2.0 |
| HC86-3325 | 2.2 | 1.0 | 2.5 | 3.0 | 4.0 |
| HC90-3292 | 1.5 | 1.0 | 1.3 | 2.0 | 2.0 |
| HC91-3480 | 1.6 | 1.0 | 2.3 | 2.0 | 2.0 |
| HC91-3595 | 1.5 | 1.0 | 1.0 | 1.5 | 2.0 |
| HC91-3672 | 1.5 | 1.0 | 1.0 | 2.0 | 2.0 |
| HC91-3821 | 1.8 | 1.0 | 1.5 | 3.0 | 3.0 |
| HC91-3822 | 1.6 | 1.0 | 1.3 | 2.0 | 3.0 |
| HC91-3823 | 1.7 | 1.0 | 1.0 | 2.5 | 3.0 |
| HC91-3860 | 1.4 | 1.0 | 1.0 | 1.5 | 2.0 |
| HS93-4011 | 1.3 | 1.0 | 1.0 | 1.5 | 2.0 |
| HS93-4118 | 1.4 | 1.0 | 1.0 | 2.0 | 2.0 |
| HS93-4121 | 1.3 | 1.0 | 1.0 | 2.0 | 2.0 |
| Ky91-1823 | 1.5 | 1.0 | 1.3 | 2.0 | 2.0 |
| LS92-3229 | 1.5 | 1.0 | 1.3 | 2.0 | 2.0 |
| LS92-3651 | 1.6 | 1.0 | 1.5 | 2.5 | 3.0 |
| LS92-3660 | 2.3 | 1.0 | 3.5 | 3.5 | 4.0 |
| LS92-3685 | 1.9 | 1.0 | 2.8 | 3.0 | 3.0 |
| LS92-4173 | 1.8 | 1.0 | 1.3 | 3.0 | 4.0 |
| Md92-5840 | 1.3 | 1.0 | 1.0 | 2.0 | 2.0 |
| Md92-5850 | 1.3 | 1.0 | 1.0 | 2.0 | 2.0 |
| Md92-5899 | 1.3 | 1.0 | 1.0 | 2.0 | 2.0 |
| PA15 | 2.1 | 1.0 | 1.0 | 2.0 | 4.0 |
| SS91-6675 | 1.5 | 1.0 | 1.3 | 3.0 | 2.0 |
| SS91-7358 | 1.4 | 1.0 | 1.0 | 2.0 | 2.0 |
| SS92-7475 | 1.4 | 1.0 | 1.0 | 2.5 | 2.0 |
| SS92-7527 | 1.3 | 1.0 | 1.0 | 1.5 | 2.0 |
| SS92-7540 | 1.4 | 1.0 | 1.0 | 2.0 | 2.0 |
| SS92-7551 | 1.4 | 1.0 | 1.0 | 2.5 | 2.0 |
| SS92-7557 | 1.4 | 1.0 | 1.0 | 2.5 | 2.0 |

PRELIMINARY TEST IVA, 1995

LODGING (score)

| Strain | Queenstown MD | Columbia MO | Mt. Orab OH | South Charleston OH |
|-----------------|------------------|----------------|----------------|---------------------------|
| Flyer (E) | 1.3 | 1.0 | 1.0 | 1.5 |
| KS4694 (L) | 1.0 | 1.0 | 1.0 | 1.8 |
| Stressland (IV) | 1.3 | 1.0 | 1.0 | 2.5 |
| C1905 | 1.5 | 1.5 | 1.0 | 2.0 |
| C1906 | 1.0 | 3.0 | 1.0 | 3.3 |
| C1913 | 1.0 | 1.0 | 1.0 | 3.0 |
| C1918 | 1.8 | 1.0 | 1.0 | 3.0 |
| C1924 | 1.5 | 1.0 | 1.0 | 1.8 |
| HC86-3325 | 1.8 | 2.0 | 1.0 | 2.3 |
| HC90-3292 | 1.5 | 1.0 | 1.0 | 2.3 |
| HC91-3480 | 1.8 | 1.0 | 1.0 | 2.0 |
| HC91-3595 | 2.0 | 1.0 | 1.0 | 2.5 |
| HC91-3672 | 2.0 | 1.0 | 1.0 | 2.0 |
| HC91-3821 | 1.8 | 1.0 | 1.0 | 2.3 |
| HC91-3822 | 1.8 | 1.0 | 1.0 | 2.0 |
| HC91-3823 | 1.5 | 1.0 | 1.0 | 2.3 |
| HC91-3860 | 2.0 | 1.0 | 1.0 | 2.0 |
| HS93-4011 | 1.3 | 1.0 | 1.0 | 1.3 |
| HS93-4118 | 1.5 | 1.0 | 1.0 | 1.5 |
| HS93-4121 | 1.0 | 1.0 | 1.0 | 1.5 |
| Ky91-1823 | 1.8 | 1.0 | 1.0 | 2.0 |
| LS92-3229 | 1.5 | 1.0 | 1.0 | 1.8 |
| LS92-3651 | 1.3 | 1.0 | 1.0 | 1.8 |
| LS92-3660 | 1.0 | 1.5 | 1.0 | 2.5 |
| LS92-3685 | 1.0 | 1.0 | 1.0 | 2.5 |
| LS92-4173 | 1.3 | 1.0 | 1.0 | 2.0 |
| Md92-5840 | 1.0 | 1.0 | 1.0 | 1.3 |
| Md92-5850 | 1.0 | 1.0 | 1.0 | 1.0 |
| Md92-5899 | 1.0 | 1.0 | 1.0 | 1.5 |
| PA15 | 2.0 | 2.0 | 1.0 | 3.5 |
| SS91-6675 | 1.0 | 1.0 | 1.0 | 1.8 |
| SS91-7358 | 1.8 | 1.0 | 1.0 | 1.5 |
| SS92-7475 | 1.3 | 1.0 | 1.0 | 1.5 |
| SS92-7527 | 1.5 | 1.0 | 1.0 | 1.3 |
| SS92-7540 | 1.3 | 1.0 | 1.0 | 1.8 |
| SS92-7551 | 1.3 | 1.0 | 1.0 | 1.5 |
| SS92-7557 | 1.0 | 1.0 | 1.0 | 1.3 |

PRELIMINARY TEST IVA, 1995

PLANT HEIGHT (inches)

| Strain | Mean 8 Tests | Belleville IL | Urbana IL | Manhattan KS | Lexington KY |
|-----------------|--------------------|------------------|--------------|-----------------|-----------------|
| Flyer (E) | 32 | 29 | 34 | 44 | 28 |
| KS4694 (L) | 34 | 28 | 36 | 48 | 34 |
| Stressland (IV) | 35 | 28 | 41 | 44 | 31 |
| C1905 | 35 | 32 | 36 | 47 | 33 |
| C1906 | 34 | 32 | 36 | 43 | 41 |
| C1913 | 31 | 24 | 34 | 42 | 34 |
| C1918 | 37 | 36 | 42 | 48 | 37 |
| C1924 | 33 | 32 | 41 | 43 | 33 |
| HC86-3325 | 38 | 36 | 44 | 52 | 43 |
| HC90-3292 | 33 | 28 | 37 | 44 | 33 |
| HC91-3480 | 36 | 32 | 41 | 48 | 35 |
| HC91-3595 | 33 | 27 | 33 | 47 | 31 |
| HC91-3672 | 30 | 25 | 35 | 40 | 25 |
| HC91-3821 | 33 | 30 | 38 | 43 | 35 |
| HC91-3822 | 34 | 26 | 37 | 45 | 33 |
| HC91-3823 | 33 | 30 | 37 | 43 | 33 |
| HC91-3860 | 31 | 27 | 34 | 39 | 26 |
| HS93-4011 | 29 | 28 | 34 | 39 | 22 |
| HS93-4118 | 30 | 28 | 35 | 41 | 27 |
| HS93-4121 | 29 | 27 | 35 | 40 | 26 |
| Ky91-1823 | 36 | 32 | 41 | 46 | 37 |
| LS92-3229 | 31 | 24 | 37 | 46 | 30 |
| LS92-3651 | 37 | 30 | 41 | 52 | 38 |
| LS92-3660 | 35 | 32 | 41 | 44 | 32 |
| LS92-3685 | 36 | 30 | 40 | 47 | 39 |
| LS92-4173 | 34 | 28 | 36 | 47 | 38 |
| Md92-5840 | 29 | 24 | 33 | 41 | 28 |
| Md92-5850 | 30 | 29 | 31 | 42 | 29 |
| Md92-5899 | 29 | 24 | 32 | 42 | 27 |
| PA15 | 45 | 46 | 52 | 45 | 51 |
| SS91-6675 | 34 | 32 | 36 | 50 | 33 |
| SS91-7358 | 32 | 28 | 36 | 44 | 31 |
| SS92-7475 | 30 | 28 | 30 | 44 | 28 |
| SS92-7527 | 30 | 24 | 31 | 42 | 28 |
| SS92-7540 | 30 | 26 | 30 | 41 | 26 |
| SS92-7551 | 31 | 28 | 37 | 42 | 26 |
| SS92-7557 | 30 | 26 | 29 | 41 | 30 |

PRELIMINARY TEST IVA, 1995

PLANT HEIGHT (inches)

| Strain | Queenstown | Columbia | Mt. Orab | South |
|-----------------|------------|----------|----------|------------------|
| | MD | MO | OH | Charleston OH |
| Flyer (E) | 28 | 33 | 24 | 32 |
| KS4694 (L) | 27 | 37 | 25 | 34 |
| Stressland (IV) | 31 | 39 | 28 | 34 |
| C1905 | 29 | 38 | 25 | 38 |
| C1906 | 27 | 34 | 27 | 35 |
| C1913 | 25 | 36 | 22 | 29 |
| C1918 | 32 | 39 | 26 | 32 |
| C1924 | 27 | 36 | 25 | 29 |
| HC86-3325 | 35 | 41 | 27 | 28 |
| HC90-3292 | 27 | 34 | 25 | 38 |
| HC91-3480 | 34 | 40 | 27 | 34 |
| HC91-3595 | 28 | 37 | 25 | 32 |
| HC91-3672 | 29 | 33 | 24 | 26 |
| HC91-3821 | 28 | 36 | 25 | 31 |
| HC91-3822 | 35 | 39 | 27 | 30 |
| HC91-3823 | 28 | 37 | 25 | 34 |
| HC91-3860 | 29 | 34 | 23 | 32 |
| HS93-4011 | 26 | 29 | 21 | 30 |
| HS93-4118 | 25 | 30 | 20 | 30 |
| HS93-4121 | 24 | 31 | 18 | 31 |
| Ky91-1823 | 31 | 37 | 28 | 37 |
| LS92-3229 | 28 | 36 | 20 | 26 |
| LS92-3651 | 31 | 37 | 26 | 38 |
| LS92-3660 | 34 | 39 | 28 | 32 |
| LS92-3685 | 32 | 40 | 27 | 32 |
| LS92-4173 | 30 | 36 | 25 | 34 |
| Md92-5840 | 23 | 33 | 17 | 31 |
| Md92-5850 | 26 | 33 | 22 | 28 |
| Md92-5899 | 25 | 31 | 21 | 31 |
| PA15 | 42 | 44 | 35 | 41 |
| SS91-6675 | 30 | 35 | 24 | 34 |
| SS91-7358 | 28 | 34 | 23 | 30 |
| SS92-7475 | 27 | 31 | 22 | 32 |
| SS92-7527 | 27 | 32 | 23 | 34 |
| SS92-7540 | 28 | 33 | 22 | 34 |
| SS92-7551 | 27 | 34 | 22 | 32 |
| SS92-7557 | 25 | 32 | 21 | 32 |

PRELIMINARY TEST IVA, 1995

SEED QUALITY (score)

| Strain | Mean 8 Tests | Belleville IL | Urbana IL | Manhattan KS | Lexington KY |
|-----------------|--------------------|------------------|--------------|-----------------|-----------------|
| Flyer (E) | 1.4 | 1.0 | 1.8 | 2.0 | 1.0 |
| KS4694 (L) | 1.8 | 2.0 | 1.5 | 2.0 | 2.0 |
| Stressland (IV) | 1.8 | 3.0 | 1.8 | 1.0 | 1.0 |
| C1905 | 2.5 | 2.0 | 2.0 | 3.0 | 2.0 |
| C1906 | 2.2 | 3.0 | 1.8 | 2.0 | 3.0 |
| C1913 | 2.4 | 2.0 | 2.0 | 2.0 | 2.0 |
| C1918 | 2.7 | 1.0 | 2.3 | 3.0 | 2.0 |
| C1924 | 2.0 | 1.0 | 1.8 | 2.0 | 2.0 |
| HC86-3325 | 1.8 | 1.0 | 1.8 | 2.0 | 2.0 |
| HC90-3292 | 1.7 | 1.0 | 1.5 | 1.0 | 2.0 |
| HC91-3480 | 2.2 | 3.0 | 1.8 | 2.0 | 2.0 |
| HC91-3595 | 1.9 | 1.0 | 1.5 | 3.0 | 2.0 |
| HC91-3672 | 1.9 | 3.0 | 1.5 | 2.0 | 1.0 |
| HC91-3821 | 2.0 | 1.0 | 1.5 | 2.0 | 2.0 |
| HC91-3822 | 1.7 | 2.0 | 1.5 | 2.0 | 1.0 |
| HC91-3823 | 1.9 | 1.0 | 1.8 | 2.0 | 1.0 |
| HC91-3860 | 2.1 | 3.0 | 1.5 | 1.0 | 2.0 |
| HS93-4011 | 1.8 | 1.0 | 1.8 | 2.0 | 2.0 |
| HS93-4118 | 2.2 | 3.0 | 1.5 | 2.0 | 2.0 |
| HS93-4121 | 2.3 | 3.0 | 1.8 | 1.0 | 2.0 |
| Ky91-1823 | 2.9 | 4.0 | 2.3 | 2.0 | 3.0 |
| LS92-3229 | 2.0 | 2.0 | 1.5 | 2.0 | 2.0 |
| LS92-3651 | 2.1 | 3.0 | 2.0 | 2.0 | 1.0 |
| LS92-3660 | 2.1 | 3.0 | 2.0 | 2.0 | 2.0 |
| LS92-3685 | 2.2 | 4.0 | 1.8 | 2.0 | 2.0 |
| LS92-4173 | 1.7 | 1.0 | 1.8 | 3.0 | 1.0 |
| Md92-5840 | 1.7 | 1.0 | 1.5 | 2.0 | 2.0 |
| Md92-5850 | 1.7 | 1.0 | 1.5 | 3.0 | 2.0 |
| Md92-5899 | 2.1 | 3.0 | 1.5 | 2.0 | 2.0 |
| PA15 | 3.3 | 5.0 | | 2.0 | 2.0 |
| SS91-6675 | 2.0 | 2.0 | 1.8 | 2.0 | 1.0 |
| SS91-7358 | 2.3 | 3.0 | 1.5 | 2.0 | 2.0 |
| SS92-7475 | 2.0 | 2.0 | 1.5 | 2.0 | 2.0 |
| SS92-7527 | 2.0 | 2.0 | 1.5 | 3.0 | 1.0 |
| SS92-7540 | 1.8 | 2.0 | 1.5 | 1.0 | 1.0 |
| SS92-7551 | 2.2 | 3.0 | 1.5 | 2.0 | 2.0 |
| SS92-7557 | 2.3 | 3.0 | 1.5 | 2.0 | 2.0 |

PRELIMINARY TEST IVA, 1995

SEED QUALITY (score)

| Strain | Queenstown | Columbia | Mt. Orab | South |
|-----------------|------------|----------|----------|------------------|
| | MD | MO | OH | Charleston OH |
| Flyer (E) | 1.5 | 1.0 | 1.6 | 1.5 |
| KS4694 (L) | 2.3 | 1.0 | 1.5 | 1.8 |
| Stressland (IV) | 2.0 | 2.0 | 2.0 | 1.8 |
| C1905 | 3.5 | 3.0 | 2.5 | 2.0 |
| C1906 | 2.3 | 2.0 | 1.9 | 1.8 |
| C1913 | 3.0 | 3.0 | 2.9 | 2.0 |
| C1918 | 3.0 | 3.0 | 4.0 | 3.0 |
| C1924 | 2.8 | 1.0 | 3.5 | 2.0 |
| HC86-3325 | 2.0 | 1.0 | 2.6 | 1.8 |
| HC90-3292 | 2.3 | 2.0 | 1.9 | 2.0 |
| HC91-3480 | 2.5 | 2.0 | 2.5 | 2.0 |
| HC91-3595 | 2.0 | 2.0 | 1.6 | 2.3 |
| HC91-3672 | 2.3 | 1.0 | 2.6 | 2.0 |
| HC91-3821 | 2.0 | 3.0 | 2.6 | 2.0 |
| HC91-3822 | 2.3 | 1.0 | 2.1 | 2.0 |
| HC91-3823 | 2.0 | 2.0 | 3.0 | 2.3 |
| HC91-3860 | 2.5 | 2.0 | 2.9 | 2.0 |
| HS93-4011 | 2.0 | 2.0 | 1.5 | 1.8 |
| HS93-4118 | 2.5 | 3.0 | 1.9 | 1.8 |
| HS93-4121 | 3.0 | 3.0 | 2.9 | 2.0 |
| Ky91-1823 | 2.5 | 3.0 | 4.0 | 2.0 |
| LS92-3229 | 2.0 | 2.0 | 2.1 | 2.0 |
| LS92-3651 | 1.8 | 3.0 | 1.5 | 2.5 |
| LS92-3660 | 2.0 | 2.0 | 1.9 | 1.8 |
| LS92-3685 | 2.0 | 2.0 | 1.5 | 2.0 |
| LS92-4173 | 2.0 | 2.0 | 0.9 | 1.5 |
| Md92-5840 | 2.0 | 1.0 | 2.0 | 2.0 |
| Md92-5850 | 2.0 | 1.0 | 1.5 | 1.8 |
| Md92-5899 | 2.5 | 2.0 | 2.0 | 2.0 |
| PA15 | 3.0 | 4.0 | 3.6 | 3.5 |
| SS91-6675 | 2.0 | 2.0 | 3.0 | 2.0 |
| SS91-7358 | 2.0 | 2.0 | 3.5 | 2.0 |
| SS92-7475 | 2.0 | 1.0 | 3.0 | 2.3 |
| SS92-7527 | 2.0 | 2.0 | 2.4 | 2.3 |
| SS92-7540 | 2.0 | 2.0 | 3.0 | 1.8 |
| SS92-7551 | 2.0 | 2.0 | 3.0 | 1.8 |
| SS92-7557 | 2.0 | 2.0 | 4.0 | 1.8 |

PRELIMINARY TEST IVA, 1995

SEED SIZE (g/100)

| Strain | Mean 7 Tests | Belleville IL | Urbana IL | Manhattan KS | Lexington KY |
|-----------------|--------------------|------------------|--------------|-----------------|-----------------|
| Flyer (E) | 13.1 | 14.1 | 12.7 | 15.2 | 15.6 |
| KS4694 (L) | 13.8 | 14.7 | 13.0 | 14.7 | 17.1 |
| Stressland (IV) | 12.1 | 12.1 | 11.6 | 14.3 | 14.4 |
| C1905 | 12.6 | 12.6 | 12.2 | 14.1 | 12.7 |
| C1906 | 13.2 | 14.6 | 13.7 | 14.4 | 14.2 |
| C1913 | 14.9 | 14.3 | 14.5 | 16.0 | 17.0 |
| C1918 | 13.4 | 14.3 | 13.3 | 15.8 | 16.5 |
| C1924 | 14.7 | 14.7 | 14.9 | 16.0 | 17.4 |
| HC86-3325 | 12.0 | 12.2 | 11.5 | 13.5 | 13.3 |
| HC90-3292 | 13.6 | 14.4 | 12.9 | 15.9 | 17.6 |
| HC91-3480 | 14.0 | 14.5 | 14.2 | 16.5 | 16.4 |
| HC91-3595 | 14.0 | 13.9 | 13.9 | 15.8 | 16.7 |
| HC91-3672 | 15.7 | 16.3 | 15.3 | 17.3 | 19.1 |
| HC91-3821 | 13.6 | 14.4 | 13.0 | 15.6 | 16.1 |
| HC91-3822 | 14.0 | 14.6 | 13.3 | 16.7 | 16.1 |
| HC91-3823 | 13.8 | 14.1 | 12.7 | 15.4 | 16.3 |
| HC91-3860 | 15.8 | 15.4 | 15.9 | 18.6 | 18.4 |
| HS93-4011 | 13.0 | 13.3 | 12.7 | 15.0 | 15.4 |
| HS93-4118 | 14.3 | 14.7 | 13.5 | 15.7 | 17.7 |
| HS93-4121 | 13.7 | 14.3 | 12.7 | 13.7 | 16.9 |
| Ky91-1823 | 15.3 | 14.8 | 14.7 | 17.0 | 18.7 |
| LS92-3229 | 12.9 | 13.4 | 12.8 | 16.3 | 15.1 |
| LS92-3651 | 11.5 | 12.2 | 10.6 | 12.1 | 12.9 |
| LS92-3660 | 13.0 | 14.3 | 13.0 | 14.3 | 13.9 |
| LS92-3685 | 13.4 | 14.3 | 13.0 | 14.5 | 13.8 |
| LS92-4173 | 12.1 | 13.2 | 11.1 | 13.5 | 13.4 |
| Md92-5840 | 13.5 | 13.9 | 12.7 | 14.0 | 17.9 |
| Md92-5850 | 13.8 | 14.1 | 13.7 | 15.3 | 17.3 |
| Md92-5899 | 13.1 | 13.9 | 12.7 | 14.5 | 15.6 |
| PA15 | 12.1 | 8.2 | | 14.8 | 14.0 |
| SS91-6675 | 13.3 | 14.6 | 12.6 | 11.8 | 16.4 |
| SS91-7358 | 13.4 | 13.5 | 12.6 | 14.7 | 16.1 |
| SS92-7475 | 12.7 | 12.8 | 12.3 | 13.3 | 15.8 |
| SS92-7527 | 13.6 | 14.2 | 12.5 | 15.2 | 16.4 |
| SS92-7540 | 14.2 | 14.6 | 12.6 | 15.2 | 17.3 |
| SS92-7551 | 13.5 | 13.8 | 12.1 | 15.4 | 16.3 |
| SS92-7557 | 14.5 | 15.0 | 12.9 | 16.6 | 17.7 |

PRELIMINARY TEST IVA, 1995

SEED SIZE (g/100)

| Strain | Queenstown MD | Columbia MO | Mt. Orab OH | South Charleston OH |
|-----------------|------------------|----------------|----------------|---------------------------|
| Flyer (E) | 10.3 | | 11.8 | 12.0 |
| KS4694 (L) | 12.1 | | 13.1 | 12.1 |
| Stressland (IV) | 10.3 | | 10.9 | 10.9 |
| C1905 | 11.1 | | 12.3 | 13.5 |
| C1906 | 11.6 | | 11.9 | 12.3 |
| C1913 | 13.1 | | 14.2 | 15.2 |
| C1918 | 10.7 | | 11.3 | 11.6 |
| C1924 | 12.2 | | 13.5 | 14.1 |
| HC86-3325 | 10.3 | | 11.8 | 11.6 |
| HC90-3292 | 10.7 | | 11.8 | 12.1 |
| HC91-3480 | 10.8 | | 12.8 | 13.0 |
| HC91-3595 | 10.4 | | 12.6 | 14.7 |
| HC91-3672 | 12.2 | | 15.0 | 14.8 |
| HC91-3821 | 11.3 | | 11.5 | 13.2 |
| HC91-3822 | 11.1 | | 12.8 | 13.5 |
| HC91-3823 | 11.1 | | 12.7 | 14.2 |
| HC91-3860 | 12.5 | | 14.6 | 15.5 |
| HS93-4011 | 10.9 | | 11.2 | 12.5 |
| HS93-4118 | 12.2 | | 12.6 | 13.6 |
| HS93-4121 | 12.9 | | 12.4 | 13.1 |
| Ky91-1823 | 12.3 | | 13.5 | 15.8 |
| LS92-3229 | 10.8 | | 10.7 | 11.4 |
| LS92-3651 | 10.3 | | 11.3 | 11.0 |
| LS92-3660 | 11.6 | | 12.5 | 11.4 |
| LS92-3685 | 11.6 | | 12.7 | 13.6 |
| LS92-4173 | 11.0 | | 11.4 | 11.4 |
| Md92-5840 | 10.9 | | 12.1 | 12.7 |
| Md92-5850 | 10.9 | | 12.1 | 13.0 |
| Md92-5899 | 11.1 | | 12.1 | 12.0 |
| PA15 | 12.6 | | 12.4 | 10.8 |
| SS91-6675 | 11.6 | | 12.8 | 13.6 |
| SS91-7358 | 11.1 | | 12.6 | 13.1 |
| SS92-7475 | 10.1 | | 12.0 | 12.9 |
| SS92-7527 | 11.2 | | 12.0 | 13.9 |
| SS92-7540 | 12.4 | | 13.4 | 13.7 |
| SS92-7551 | 11.0 | | 12.6 | 13.4 |
| SS92-7557 | 12.5 | | 12.8 | 13.7 |

PRELIMINARY TEST IVA, 1995

PROTEIN (%)

| Strain | Mean 4 Tests | Urbana IL | Manhattan KS | Lexington KY | Mt. Orab OH |
|-----------------|--------------------|--------------|-----------------|-----------------|-------------------|
| Flyer (E) | 44.5 | 43.1 | 41.1 | 47.0 | 46.9 |
| KS4694 (L) | 43.0 | 39.4 | 41.8 | 46.5 | 44.1 |
| Stressland (IV) | 44.9 | 41.8 | 43.5 | 46.4 | 48.0 |
| C1905 | 44.2 | 41.2 | 42.5 | 46.4 | 46.5 |
| C1906 | 42.1 | 39.9 | 41.4 | 44.8 | 42.2 |
| C1913 | 45.4 | 43.4 | 43.8 | 46.6 | 47.6 |
| C1918 | 43.4 | 40.1 | 42.2 | 44.8 | 46.5 |
| C1924 | 42.6 | 39.9 | 40.3 | 44.3 | 45.7 |
| HC86-3325 | 42.3 | 40.1 | 41.5 | 45.1 | 42.5 |
| HC90-3292 | 43.1 | 40.8 | 40.6 | 45.1 | 45.8 |
| HC91-3480 | 43.2 | 41.2 | 41.5 | 45.0 | 45.1 |
| HC91-3595 | 44.3 | 43.4 | 43.7 | 46.4 | 43.7 |
| HC91-3672 | 42.1 | 41.3 | 40.5 | 44.1 | 42.5 |
| HC91-3821 | 42.1 | 40.2 | 40.6 | 45.1 | 42.5 |
| HC91-3822 | 43.6 | 42.5 | 41.8 | 44.2 | 45.7 |
| HC91-3823 | 43.8 | 41.8 | 42.0 | 45.4 | 45.9 |
| HC91-3860 | 43.1 | 41.5 | 41.4 | 44.8 | 44.7 |
| HS93-4011 | 42.9 | 41.0 | 41.9 | 44.2 | 44.6 |
| HS93-4118 | 42.6 | 40.2 | 40.7 | 45.2 | 44.4 |
| HS93-4121 | 42.1 | 39.8 | 40.4 | 44.2 | 43.8 |
| Ky91-1823 | 43.4 | 41.4 | 41.8 | 45.7 | 44.7 |
| LS92-3229 | 42.8 | 42.0 | 42.3 | 45.5 | 41.2 |
| LS92-3651 | 45.9 | 43.5 | 44.8 | 47.7 | 47.4 |
| LS92-3660 | 45.1 | 42.5 | 43.9 | 47.2 | 46.7 |
| LS92-3685 | 45.1 | 42.6 | 43.1 | 46.9 | 47.6 |
| LS92-4173 | 41.0 | 38.6 | 40.9 | 42.6 | 41.9 |
| Md92-5840 | 42.7 | 41.1 | 42.0 | 44.3 | 43.3 |
| Md92-5850 | 41.3 | 39.7 | 41.3 | 42.7 | 41.5 |
| Md92-5899 | 44.4 | 42.1 | 43.0 | 46.0 | 46.5 |
| PA15 | 42.7 | | 41.0 | 44.5 | 42.5 |
| SS91-6675 | 42.7 | 40.3 | 43.2 | 43.5 | 43.6 |
| SS91-7358 | 42.8 | 40.3 | 41.9 | 44.5 | 44.3 |
| SS92-7475 | 42.6 | 40.6 | 41.8 | 43.6 | 44.4 |
| SS92-7527 | 43.3 | 41.4 | 41.8 | 45.5 | 44.5 |
| SS92-7540 | 42.8 | 40.7 | 41.5 | 44.0 | 45.1 |
| SS92-7551 | 42.8 | 40.2 | 41.6 | 45.2 | 44.1 |
| SS92-7557 | 43.0 | 40.3 | 42.0 | 44.9 | 44.9 |

PRELIMINARY TEST IVA, 1995

OIL (%)

| Strain | Mean 4 Tests | Urbana IL | Manhattan KS | Lexington KY | Mt. Orab OH |
|-----------------|--------------------|--------------|-----------------|-----------------|-------------------|
| Flyer (E) | 20.4 | 20.7 | 20.7 | 20.4 | 19.7 |
| KS4694 (L) | 20.1 | 21.1 | 19.2 | 20.4 | 19.6 |
| Stressland (IV) | 19.6 | 21.3 | 20.1 | 17.9 | 18.9 |
| C1905 | 18.6 | 19.9 | 18.5 | 17.8 | 18.1 |
| C1906 | 19.5 | 20.8 | 18.6 | 19.6 | 19.1 |
| C1913 | 19.1 | 19.8 | 19.0 | 18.4 | 19.2 |
| C1918 | 20.0 | 20.6 | 19.9 | 20.4 | 19.0 |
| C1924 | 21.2 | 21.7 | 21.4 | 20.4 | 21.1 |
| HC86-3325 | 20.8 | 21.4 | 20.0 | 20.3 | 21.4 |
| HC90-3292 | 20.9 | 21.5 | 21.1 | 21.1 | 20.0 |
| HC91-3480 | 20.8 | 21.3 | 20.9 | 20.7 | 20.2 |
| HC91-3595 | 20.6 | 21.0 | 20.2 | 20.3 | 21.0 |
| HC91-3672 | 21.7 | 21.8 | 21.4 | 21.5 | 22.1 |
| HC91-3821 | 20.5 | 21.0 | 20.3 | 20.0 | 20.8 |
| HC91-3822 | 20.8 | 20.7 | 20.8 | 21.3 | 20.2 |
| HC91-3823 | 20.7 | 21.0 | 20.4 | 20.7 | 20.5 |
| HC91-3860 | 21.2 | 20.6 | 21.4 | 21.6 | 21.3 |
| HS93-4011 | 20.7 | 20.8 | 20.4 | 20.7 | 20.7 |
| HS93-4118 | 20.1 | 20.8 | 19.8 | 20.0 | 19.9 |
| HS93-4121 | 20.7 | 20.8 | 20.6 | 20.7 | 20.6 |
| Ky91-1823 | 20.5 | 21.0 | 20.4 | 20.2 | 20.4 |
| LS92-3229 | 20.7 | 20.8 | 20.1 | 20.3 | 21.4 |
| LS92-3651 | 18.9 | 19.5 | 18.3 | 19.3 | 18.3 |
| LS92-3660 | 19.5 | 20.2 | 19.2 | 19.6 | 19.1 |
| LS92-3685 | 19.3 | 20.4 | 19.4 | 19.2 | 18.3 |
| LS92-4173 | 19.2 | 20.1 | 18.5 | 19.2 | 18.9 |
| Md92-5840 | 21.1 | 21.6 | 20.7 | 20.8 | 21.1 |
| Md92-5850 | 21.5 | 22.1 | 21.1 | 21.3 | 21.5 |
| Md92-5899 | 20.0 | 20.8 | 19.6 | 20.1 | 19.6 |
| PA15 | 20.1 | | 20.5 | 18.9 | 20.8 |
| SS91-6675 | 20.5 | 21.5 | 18.8 | 20.8 | 20.7 |
| SS91-7358 | 20.7 | 21.3 | 20.5 | 20.4 | 20.5 |
| SS92-7475 | 20.5 | 21.1 | 19.5 | 20.8 | 20.6 |
| SS92-7527 | 20.5 | 20.9 | 19.9 | 20.8 | 20.2 |
| SS92-7540 | 20.7 | 21.7 | 19.7 | 20.6 | 20.6 |
| SS92-7551 | 20.7 | 21.3 | 20.1 | 20.5 | 20.9 |
| SS92-7557 | 20.8 | 21.4 | 20.2 | 21.0 | 20.4 |

PRELIMINARY TEST IVB, 1995

| Strain | Parentage | Generation Unique | |
|-----------------|---|-------------------|--------|
| | | Composited | Traits |
| Flyer (E) | Asgrow A3127 ⁴ x Williams 82 | BC3 F2 | Rps1-k |
| KS4694 (L) | Sherman x Toano | F5 | |
| Stressland (IV) | HC80-1946 x Asgrow A3127 | F5 | Dt1 |
| K1318 | A86-303014 x Stafford | F5 | |
| K1319 | K82-1-48 x P6906.22 | F5 | |
| K1320 | Dekalb CX366 x Toano | F5 | |
| K1321 | Pioneer P9442 x Stafford | F5 | |
| K1322 | K1119 x Dekalb CX366 | F5 | |
| K1323 | Charleston x Asgrow A3733 | F5 | |
| K1324 | Asgrow A4595 x Platte | F5 | |
| K1325 | Asgrow A4595 x Toano | F5 | |
| K1326 | Hamilton x N83-375 | F5 | |
| K1327 | K1119 x Dekalb CX366 | F5 | |
| LN91-1695 | Asgrow A3733 x Resnik | F5 | Rps1-k |
| LN92-3932 | LN84-4109 x Asgrow A3733 | F5 | |
| LN92-4225 | LN84-7513 x Resnik | F5 | Rps1-k |
| LN92-5914 | Burlison x Chamberlain | F5 | |
| LN92-8605 | C1747 x IA2007 | F5 | |
| LN92-8618 | C1747 x IA2007 | F5 | |
| LN92-9047 | C1747 x A86-303014 | F5 | |
| LN92-12606 | Asgrow A3733 x Pella 86 | F5 | BSR |
| LN92-12654 | Asgrow A3733 x Pella 86 | F5 | BSR |
| Ripley (dt1) | Hodgson x V68-1034 | F5 | dt1 |
| C1922 | Charleston x CX1039-99 | F6 | dt1 |
| HC85-282 | HC78-353 x Sprite | F5 | dt1 |
| HC89-85PR | HC78-350 x Gnome 85 | F5 | dt1 |
| HC90-2175 | D82-3298 x HC78-676 BC | F5 | dt1 |
| HC90-2316 | HC78-676 BC x Essex | F5 | dt1 |
| HC91-62PR | Ripley x Hobbit 87 | F5 | dt1 |
| HC91-1088 | HC83-4507 x Conrad | F5 | dt1 |
| HC91-1439 | HC83-4507 x Elgin 87 | F5 | dt1 |
| HC91-1677 | Hutcheson x HC83-4532 | F5 | dt1 |
| HC91-1768 | Hutcheson x HC78-676 BC | F5 | dt1 |
| HC91-1770 | Hutcheson x HC78-676 BC | F5 | dt1 |
| HC91-1931 | Hutcheson x HC83-4532 | F5 | dt1 |
| HC91-1999 | Crawford x Sprite 87 | F5 | dt1 |

PRELIMINARY TEST IVB, 1995

DESCRIPTIVE DATA

| Strain | Descriptive Code | Shattering | PR | | PS | PSB | Hd Seed |
|-----------------|------------------|--------------------|---------------------|-------------------|--------|--------|---------|
| | | Score Manhattan | Custar Root Race | Laf. Race 7 | a % | n % | % |
| Flyer (E) | PTTDYB1I | 1 | 3.6 | R | 30 | 2 | 0 |
| KS4694 (L) | WGBShYBfI | 1 | 3.2 | S | 12 | 2 | 0 |
| Stressland (IV) | PTTDYB1I | 1 | 3.3 | S | 4 | 0 | 0 |
| K1318 | PTTDYB1I | 1 | 3.9 | S | 4 | 2 | 0 |
| K1319 | PTTDYB1I | 1 | 2.7 | R | 6 | 0 | 0 |
| K1320 | PTTDYB1I | 1 | 3.3 | S | 18 | 2 | 0 |
| K1321 | P+WTTDYHI | 1 | 3.0 | S | 8 | 0 | 0 |
| K1322 | PTTDYB1I | 1 | 3.3 | S | 18 | 0 | 0 |
| K1323 | PTTSYB1I | 1 | 3.6 | S | 2 | 0 | 0 |
| K1324 | WGTDYYI | 1 | 4.0 | S | 12 | 2 | 0 |
| K1325 | WTTDYBrI | 1 | 3.4 | S | 14 | 4 | 0 |
| K1326 | WGTSYBfI | 1 | 3.5 | S | 10 | 4 | 0 |
| K1327 | PTTDYB1I | 1 | 3.2 | H | 26 | 2 | 0 |
| LN91-1695 | PTTDYB1I | 1 | 3.3 | R | 12 | 0 | 0 |
| LN92-3932 | PGBDYIbI | 1 | 3.6 | S | 20 | 0 | 0 |
| LN92-4225 | WTTDYB1I | 1 | 3.1 | R | 16 | 0 | 0 |
| LN92-5914 | PTTDYB1I | 1 | 2.9 | R | 8 | 0 | 10 |
| LN92-8605 | WTBDYBrI | 1 | 3.1 | R | 26 | 0 | 0 |
| LN92-8618 | WTTDYBrI | 1 | 3.1 | R | 16 | 4 | 0 |
| LN92-9047 | WTTDYB1I | 1 | 3.9 | S | 24 | 2 | 0 |
| LN92-12606 | PTTDYB1I | 1 | 4.1 | R | 0 | 2 | 0 |
| LN92-12654 | PTTDYB1I | 1 | 3.9 | S | 8 | 2 | 0 |
| Ripley (dt1) | PGTShYBfD | 2 | 3.8 | S | 2 | 0 | 0 |
| C1922 | PTTSYB1D | 1 | 4.1 | S | 12 | 0 | 0 |
| HC85-282 | WTTSYB1D | 1 | 4.0 | S | 0 | 2 | 0 |
| HC89-85PR | PTTDYB1D | 1 | 4.0 | H | 4 | 0 | 0 |
| HC90-2175 | P+WTTSYBrD | 1 | 4.5 | S | 0 | 0 | 0 |
| HC90-2316 | PTBDYB1D | 1 | 4.1 | R | 0 | 0 | 22 |
| HC91-62PR | PGTIYBfD | 1 | 3.9 | S | 2 | 0 | 0 |
| HC91-1088 | WTTDYBrD | 1 | 4.6 | S | 2 | 0 | 0 |
| HC91-1439 | P+WTTBSYB1D | 1 | 4.5 | R | 8 | 0 | 0 |
| HC91-1677 | WTTDYBrD | 1 | 3.9 | S | 4 | 0 | 0 |
| HC91-1768 | WTTDYBrD | 1 | 5.0 | S | 10 | 4 | 0 |
| HC91-1770 | WTTDYBrD | 1 | 6.4 | S | 8 | 0 | 0 |
| HC91-1931 | WTTSYBrD | 1 | 4.4 | S | 2 | 0 | 0 |
| HC91-1999 | WTTSYB1D | 1 | 4.1 | R | 4 | 0 | 0 |

PRELIMINARY TEST IVB, 1995

REGIONAL SUMMARY

| No. of Tests Strain | Yield 8 bu/a | Rank 8 No. | Maturity 7 Date | Lodging 8 Score | Plant Height 8 In. | Seed Quality 8 Score | Seed Size 7 g/100 | <u>Composition</u> | |
|------------------------|--------------------|------------------|-----------------------|-----------------------|-----------------------------|-------------------------------|----------------------------|--------------------|---------------|
| | | | | | | | | Protein 4 % | Oil 4 % |
| Flyer (E) | 44.7 | 9 | -2.9 | 1.4 | 31 | 1.5 | 12.8 | 44.0 | 20.6 |
| KS4694 (L) | 46.2 | 3 | 5.0 | 1.5 | 33 | 1.9 | 14.0 | 42.4 | 19.8 |
| Stressland (IV) | 47.7 | 1 | 09/29* | 1.6 | 36 | 1.9 | 11.9 | 44.5 | 20.4 |
| K1318 | 44.2 | 15 | 0.3 | 1.7 | 35 | 2.0 | 13.6 | 42.0 | 20.9 |
| K1319 | 42.8 | 21 | 0.6 | 1.2 | 31 | 1.9 | 12.5 | 42.1 | 20.4 |
| K1320 | 44.7 | 9 | 0.7 | 1.4 | 31 | 1.5 | 12.8 | 42.7 | 20.6 |
| K1321 | 42.9 | 20 | 1.4 | 2.4 | 35 | 2.2 | 12.1 | 42.1 | 20.2 |
| K1322 | 43.1 | 19 | 0.0 | 1.7 | 33 | 1.6 | 12.8 | 43.4 | 20.0 |
| K1323 | 44.5 | 11 | 2.7 | 1.4 | 33 | 2.0 | 14.0 | 43.3 | 20.4 |
| K1324 | 40.4 | 32 | 0.3 | 1.4 | 32 | 2.1 | 13.3 | 42.6 | 20.7 |
| K1325 | 45.2 | 8 | 2.9 | 1.9 | 35 | 1.9 | 12.9 | 42.1 | 20.5 |
| K1326 | 42.2 | 25 | 2.9 | 1.5 | 35 | 1.9 | 14.8 | 43.6 | 20.2 |
| K1327 | 42.5 | 23 | 0.9 | 2.0 | 34 | 1.7 | 11.8 | 41.7 | 20.4 |
| LN91-1695 | 46.0 | 4 | -1.4 | 1.2 | 29 | 2.2 | 14.3 | 44.1 | 20.9 |
| LN92-3932 | 39.4 | 34 | -7.7 | 1.2 | 27 | 2.7 | 15.9 | 42.9 | 21.4 |
| LN92-4225 | 44.5 | 11 | -5.0 | 1.3 | 34 | 2.0 | 15.7 | 43.3 | 20.8 |
| LN92-5914 | 45.7 | 6 | -0.6 | 1.4 | 30 | 2.1 | 14.4 | 42.6 | 20.5 |
| LN92-8605 | 45.9 | 5 | 1.0 | 1.6 | 34 | 2.2 | 14.4 | 44.4 | 19.6 |
| LN92-8618 | 44.5 | 11 | 0.0 | 1.5 | 34 | 2.1 | 15.5 | 43.3 | 20.9 |
| LN92-9047 | 45.6 | 7 | -3.7 | 1.5 | 30 | 2.5 | 16.1 | 43.6 | 20.9 |
| LN92-12606 | 39.9 | 33 | 3.9 | 1.2 | 28 | 1.7 | 12.2 | 44.2 | 20.2 |
| LN92-12654 | 41.0 | 28 | -1.6 | 1.2 | 31 | 1.8 | 15.4 | 44.1 | 20.8 |
| Ripley (dt1) | 40.7 | 29 | -2.4 | 1.1 | 20 | 2.0 | 12.5 | 42.9 | 20.3 |
| C1922 | 42.6 | 22 | -2.9 | 1.3 | 22 | 2.1 | 15.1 | 43.4 | 20.8 |
| HC85-282 | 40.6 | 30 | -1.4 | 1.1 | 19 | 1.8 | 15.3 | 43.4 | 21.0 |
| HC89-85PR | 40.5 | 31 | -1.4 | 1.2 | 18 | 2.1 | 16.2 | 44.5 | 21.5 |
| HC90-2175 | 41.7 | 26 | -1.1 | 1.4 | 22 | 1.9 | 14.4 | 42.4 | 20.6 |
| HC90-2316 | 43.5 | 17 | 0.1 | 1.3 | 22 | 1.7 | 12.2 | 42.4 | 20.5 |
| HC91-62PR | 42.5 | 23 | -2.4 | 1.1 | 22 | 1.7 | 11.7 | 42.6 | 20.6 |
| HC91-1088 | 41.7 | 26 | -5.3 | 1.1 | 20 | 1.7 | 13.2 | 44.1 | 20.6 |
| HC91-1439 | 37.2 | 35 | -0.6 | 1.1 | 16 | 2.5 | 14.5 | 42.5 | 20.9 |
| HC91-1677 | 43.6 | 16 | -0.3 | 1.3 | 21 | 1.9 | 14.3 | 42.0 | 21.0 |
| HC91-1768 | 43.3 | 18 | 0.7 | 1.1 | 21 | 1.7 | 12.6 | 43.1 | 20.4 |
| HC91-1770 | 46.9 | 2 | 0.3 | 1.3 | 21 | 1.5 | 12.0 | 42.3 | 20.7 |
| HC91-1931 | 36.6 | 36 | -2.7 | 1.1 | 18 | 1.8 | 15.7 | 43.6 | 21.3 |
| HC91-1999 | 44.3 | 14 | -2.7 | 1.1 | 19 | 2.1 | 14.1 | 42.9 | 21.2 |

* 124.4 Days After Planting

PRELIMINARY TEST IVB, 1995

YIELD (bu/a)

| Strain | Mean 8 Tests | Belleville IL | Urbana IL | Manhattan KS | Lexington KY |
|-----------------|--------------------|------------------|--------------|-----------------|-----------------|
| Flyer (E) | 44.7 | 32.9 | 50.8 | 54.1 | 50.1 |
| KS4694 (L) | 46.2 | 38.7 | 46.3 | 52.0 | 52.4 |
| Stressland (IV) | 47.7 | 37.0 | 56.5 | 54.7 | 51.6 |
| K1318 | 44.2 | 37.5 | 43.0 | 50.8 | 52.3 |
| K1319 | 42.8 | 34.3 | 48.1 | 51.2 | 47.0 |
| K1320 | 44.7 | 28.5 | 51.3 | 50.9 | 53.3 |
| K1321 | 42.9 | 34.1 | 52.9 | 50.9 | 39.0 |
| K1322 | 43.1 | 36.0 | 49.7 | 55.9 | 48.8 |
| K1323 | 44.5 | 37.0 | 49.1 | 47.7 | 53.2 |
| K1324 | 40.4 | 25.9 | 42.1 | 49.5 | 51.2 |
| K1325 | 45.2 | 37.0 | 47.9 | 51.4 | 50.2 |
| K1326 | 42.2 | 33.8 | 41.9 | 49.7 | 46.2 |
| K1327 | 42.5 | 35.1 | 42.3 | 58.5 | 48.6 |
| LN91-1695 | 46.0 | 37.0 | 54.2 | 60.0 | 52.2 |
| LN92-3932 | 39.4 | 10.2 | 52.7 | 51.3 | 50.9 |
| LN92-4225 | 44.5 | 29.3 | 50.5 | 56.7 | 50.5 |
| LN92-5914 | 45.7 | 33.5 | 52.2 | 51.3 | 54.1 |
| LN92-8605 | 45.9 | 36.3 | 55.3 | 43.2 | 53.3 |
| LN92-8618 | 44.5 | 32.9 | 52.7 | 52.3 | 46.1 |
| LN92-9047 | 45.6 | 30.3 | 53.6 | 63.4 | 52.4 |
| LN92-12606 | 39.9 | 28.2 | 44.9 | 41.8 | 45.9 |
| LN92-12654 | 41.0 | 33.1 | 44.9 | 52.6 | 47.3 |
| Ripley (dt1) | 40.7 | 24.9 | 48.7 | 51.9 | 47.6 |
| C1922 | 42.6 | 27.6 | 44.0 | 55.5 | 48.0 |
| HC85-282 | 40.6 | 32.4 | 46.6 | 43.1 | 47.1 |
| HC89-85PR | 40.5 | 29.8 | 45.2 | 48.8 | 46.3 |
| HC90-2175 | 41.7 | 31.5 | 49.1 | 49.1 | 45.9 |
| HC90-2316 | 43.5 | 31.5 | 48.5 | 51.7 | 43.6 |
| HC91-62PR | 42.5 | 28.4 | 50.5 | 53.6 | 46.1 |
| HC91-1088 | 41.7 | 26.0 | 50.4 | 56.1 | 51.9 |
| HC91-1439 | 37.2 | 29.3 | 37.0 | 37.2 | 41.4 |
| HC91-1677 | 43.6 | 30.5 | 48.7 | 47.2 | 47.5 |
| HC91-1768 | 43.3 | 37.2 | 45.9 | 48.1 | 50.3 |
| HC91-1770 | 46.9 | 39.9 | 50.7 | 57.6 | 53.0 |
| HC91-1931 | 36.6 | 24.0 | 43.9 | 38.4 | 44.3 |
| HC91-1999 | 44.3 | 32.3 | 42.1 | 59.8 | 48.8 |
| C.V. (%) | | 9.9 | 6.0 | 8.8 | 5.3 |
| L.S.D. (5%) | | 6.4 | 5.9 | 9.1 | 3.4 |
| Row Sp. (In.) | | 30 | 30 | 30 | 30 |
| Rows/Plot | | 4 | 4 | 4 | 4 |
| Reps | | 2 | 2 | 2 | 2 |

PRELIMINARY TEST IVB, 1995

YIELD (bu/a)

| Strain | Queenstown MD | Columbia MO | Mt. Orab OH | South Charleston OH |
|-----------------|------------------|----------------|----------------|---------------------------|
| Flyer (E) | 35.0 | 38.4 | 31.0 | 65.0 |
| KS4694 (L) | 37.6 | 43.2 | 34.4 | 64.8 |
| Stressland (IV) | 43.1 | 44.4 | 31.9 | 62.2 |
| K1318 | 38.7 | 43.0 | 26.8 | 61.8 |
| K1319 | 36.7 | 41.7 | 27.7 | 55.7 |
| K1320 | 37.8 | 41.0 | 28.7 | 66.1 |
| K1321 | 38.5 | 41.4 | 25.0 | 61.7 |
| K1322 | 34.5 | 38.4 | 22.4 | 59.4 |
| K1323 | 37.9 | 45.2 | 24.3 | 61.3 |
| K1324 | 34.6 | 35.2 | 22.0 | 63.0 |
| K1325 | 36.0 | 43.0 | 29.3 | 66.4 |
| K1326 | 32.3 | 38.0 | 26.8 | 69.1 |
| K1327 | 34.9 | 32.9 | 26.0 | 61.6 |
| LN91-1695 | 34.6 | 40.3 | 24.4 | 65.4 |
| LN92-3932 | 29.1 | 36.5 | 24.4 | 59.9 |
| LN92-4225 | 37.7 | 39.2 | 27.3 | 64.4 |
| LN92-5914 | 39.2 | 37.4 | 31.3 | 66.5 |
| LN92-8605 | 42.5 | 41.9 | 27.6 | 67.3 |
| LN92-8618 | 36.8 | 37.1 | 34.9 | 63.5 |
| LN92-9047 | 34.0 | 34.2 | 25.9 | 70.7 |
| LN92-12606 | 32.8 | 36.3 | 28.3 | 61.3 |
| LN92-12654 | 34.9 | 36.9 | 21.0 | 56.9 |
| Ripley (dt1) | 35.5 | 38.9 | 24.7 | 53.7 |
| C1922 | 33.9 | 38.1 | 28.0 | 65.4 |
| HC85-282 | 27.3 | 41.3 | 26.8 | 60.0 |
| HC89-85PR | 28.5 | 40.7 | 24.9 | 60.0 |
| HC90-2175 | 26.6 | 40.0 | 30.5 | 60.9 |
| HC90-2316 | 33.8 | 46.7 | 25.7 | 66.6 |
| HC91-62PR | 32.1 | 43.5 | 25.8 | 59.8 |
| HC91-1088 | 31.9 | 37.6 | 23.9 | 55.8 |
| HC91-1439 | 28.6 | 39.0 | 25.4 | 59.4 |
| HC91-1677 | 33.8 | 41.8 | 26.8 | 72.8 |
| HC91-1768 | 37.3 | 41.5 | 27.0 | 59.0 |
| HC91-1770 | 32.2 | 46.5 | 26.0 | 69.6 |
| HC91-1931 | 19.7 | 40.2 | 25.5 | 57.0 |
| HC91-1999 | 35.1 | 41.8 | 33.0 | 61.4 |
| C.V. (%) | 9.2 | 6.9 | 19.0 | 7.8 |
| L.S.D. (5%) | 6.4 | 5.6 | ns | 10.0 |
| Row Sp. (In.) | 30 | 30 | 15 | 7.5 |
| Rows/Plot | 4 | 4 | 6 | 8 |
| Reps | 2 | 2 | 2 | 2 |

PRELIMINARY TEST IVB, 1995

YIELD RANK

| Strain | Yield Rank | Belleville IL | Urbana IL | Manhattan KS | Lexington KY |
|-----------------|------------|---------------|-----------|--------------|--------------|
| Flyer (E) | 9 | 17 | 11 | 11 | 17 |
| KS4694 (L) | 3 | 2 | 25 | 15 | 6 |
| Stressland (IV) | 1 | 5 | 1 | 10 | 11 |
| K1318 | 15 | 3 | 5 | 24 | 8 |
| K1319 | 21 | 12 | 22 | 21 | 26 |
| K1320 | 9 | 28 | 10 | 22 | 2 |
| K1321 | 20 | 13 | 6 | 22 | 36 |
| K1322 | 19 | 10 | 16 | 8 | 18 |
| K1323 | 11 | 5 | 17 | 30 | 4 |
| K1324 | 32 | 33 | 33 | 26 | 12 |
| K1325 | 8 | 5 | 23 | 18 | 16 |
| K1326 | 25 | 14 | 35 | 25 | 28 |
| K1327 | 23 | 11 | 32 | 4 | 20 |
| LN91-1695 | 4 | 5 | 3 | 2 | 9 |
| LN92-3932 | 34 | 36 | 7 | 19 | 13 |
| LN92-4225 | 11 | 26 | 13 | 6 | 14 |
| LN92-5914 | 6 | 15 | 9 | 19 | 1 |
| LN92-8605 | 5 | 9 | 2 | 32 | 2 |
| LN92-8618 | 11 | 17 | 7 | 14 | 29 |
| LN92-9047 | 7 | 24 | 4 | 1 | 6 |
| LN92-12606 | 33 | 30 | 28 | 34 | 31 |
| LN92-12654 | 28 | 16 | 28 | 13 | 24 |
| Ripley (dt1) | 29 | 34 | 19 | 16 | 22 |
| C1922 | 22 | 31 | 30 | 9 | 21 |
| HC85-282 | 30 | 19 | 24 | 33 | 25 |
| HC89-85PR | 31 | 25 | 27 | 28 | 27 |
| HC90-2175 | 26 | 21 | 17 | 27 | 31 |
| HC90-2316 | 17 | 21 | 21 | 17 | 34 |
| HC91-62PR | 23 | 29 | 13 | 12 | 29 |
| HC91-1088 | 26 | 32 | 15 | 7 | 10 |
| HC91-1439 | 35 | 26 | 36 | 36 | 35 |
| HC91-1677 | 16 | 23 | 19 | 31 | 23 |
| HC91-1768 | 18 | 4 | 26 | 29 | 15 |
| HC91-1770 | 2 | 1 | 12 | 5 | 5 |
| HC91-1931 | 36 | 35 | 31 | 35 | 33 |
| HC91-1999 | 14 | 20 | 33 | 3 | 18 |

PRELIMINARY TEST IVB, 1995

YIELD RANK

| Strain | Queenstown | Columbia | Mt. Orab | South |
|-----------------|------------|----------|----------|------------------|
| | MD | MO | OH | Charleston OH |
| Flyer (E) | 16 | 25 | 6 | 12 |
| KS4694 (L) | 9 | 6 | 2 | 13 |
| Stressland (IV) | 1 | 4 | 4 | 17 |
| K1318 | 4 | 7 | 16 | 18 |
| K1319 | 12 | 12 | 12 | 35 |
| K1320 | 7 | 16 | 9 | 9 |
| K1321 | 5 | 14 | 27 | 19 |
| K1322 | 21 | 25 | 34 | 29 |
| K1323 | 6 | 3 | 32 | 22 |
| K1324 | 19 | 34 | 35 | 16 |
| K1325 | 13 | 7 | 8 | 8 |
| K1326 | 27 | 28 | 16 | 4 |
| K1327 | 17 | 36 | 20 | 20 |
| LN91-1695 | 19 | 18 | 30 | 10 |
| LN92-3932 | 31 | 32 | 30 | 27 |
| LN92-4225 | 8 | 22 | 14 | 14 |
| LN92-5914 | 3 | 21 | 5 | 7 |
| LN92-8605 | 2 | 9 | 13 | 5 |
| LN92-8618 | 11 | 30 | 1 | 15 |
| LN92-9047 | 22 | 35 | 22 | 2 |
| LN92-12606 | 26 | 33 | 10 | 22 |
| LN92-12654 | 17 | 31 | 36 | 33 |
| Ripley (dt1) | 14 | 24 | 29 | 36 |
| C1922 | 23 | 27 | 11 | 10 |
| HC85-282 | 34 | 15 | 16 | 25 |
| HC89-85PR | 33 | 17 | 28 | 25 |
| HC90-2175 | 35 | 20 | 7 | 24 |
| HC90-2316 | 24 | 1 | 24 | 6 |
| HC91-62PR | 29 | 5 | 23 | 28 |
| HC91-1088 | 30 | 29 | 33 | 34 |
| HC91-1439 | 32 | 23 | 26 | 29 |
| HC91-1677 | 24 | 10 | 16 | 1 |
| HC91-1768 | 10 | 13 | 15 | 31 |
| HC91-1770 | 28 | 2 | 20 | 3 |
| HC91-1931 | 36 | 19 | 25 | 32 |
| HC91-1999 | 15 | 10 | 3 | 17 |

PRELIMINARY TEST IVB, 1995

MATURITY (date)

| Strain | Mean 7 Tests | Belleville IL | Urbana IL | Manhattan KS | Lexington KY |
|-----------------|--------------------|------------------|--------------|-----------------|-----------------|
| Flyer (E) | -2.9 | | -3 | -2 | 0 |
| KS4694 (L) | 5.0 | | 3 | 8 | 7 |
| Stressland (IV) | 09/29 | | 10/03 | 10/11 | 09/18 |
| K1318 | 0.3 | | 1 | -2 | 3 |
| K1319 | 0.6 | | 1 | -2 | 0 |
| K1320 | 0.7 | | 0 | 1 | 0 |
| K1321 | 1.4 | | 0 | 1 | 2 |
| K1322 | 0.0 | | -2 | 1 | 2 |
| K1323 | 2.7 | | 2 | 2 | 3 |
| K1324 | 0.3 | | 1 | 2 | 0 |
| K1325 | 2.9 | | 1 | 3 | 5 |
| K1326 | 2.9 | | 1 | 3 | 3 |
| K1327 | 0.9 | | -1 | 2 | 2 |
| LN91-1695 | -1.4 | | 1 | -2 | 0 |
| LN92-3932 | -7.7 | | -8 | -7 | 0 |
| LN92-4225 | -5.0 | | -5 | -4 | 0 |
| LN92-5914 | -0.6 | | 1 | -4 | 0 |
| LN92-8605 | 1.0 | | 2 | 0 | 0 |
| LN92-8618 | 0.0 | | 1 | -3 | 2 |
| LN92-9047 | -3.7 | | -3 | -4 | 0 |
| LN92-12606 | 3.9 | | 3 | 2 | 3 |
| LN92-12654 | -1.6 | | -2 | -1 | 2 |
| Ripley (dt1) | -2.4 | | -2 | -4 | 0 |
| C1922 | -2.9 | | 0 | -5 | 0 |
| HC85-282 | -1.4 | | -3 | 2 | 0 |
| HC89-85PR | -1.4 | | -2 | 2 | 0 |
| HC90-2175 | -1.1 | | -2 | -2 | 2 |
| HC90-2316 | 0.1 | | 1 | -3 | 0 |
| HC91-62PR | -2.4 | | -3 | -5 | 2 |
| HC91-1088 | -5.3 | | -6 | -7 | 0 |
| HC91-1439 | -0.6 | | 1 | 2 | 0 |
| HC91-1677 | -0.3 | | -2 | -2 | 2 |
| HC91-1768 | 0.7 | | -2 | -2 | 0 |
| HC91-1770 | 0.3 | | -2 | -2 | 0 |
| HC91-1931 | -2.7 | | -4 | -3 | 0 |
| HC91-1999 | -2.7 | | -3 | -4 | 0 |
| Date Planted | 05/27 | | 05/30 | 06/14 | 05/23 |
| Days to Mature | 124.4 | | 126 | 119 | 118 |

PRELIMINARY TEST IVB, 1995

MATURITY (date)

| Strain | Queenstown | Columbia | Mt. Orab | South |
|-----------------|------------|----------|----------|------------------|
| | MD | MO | OH | Charleston OH |
| Flyer (E) | -3 | -3 | -5 | -4 |
| KS4694 (L) | 7 | 1 | 6 | 3 |
| Stressland (IV) | 09/26 | 10/04 | 09/23 | 09/28 |
| K1318 | 0 | 0 | 1 | -1 |
| K1319 | 4 | 0 | 1 | 0 |
| K1320 | 4 | 0 | 1 | -1 |
| K1321 | 5 | 1 | 3 | -2 |
| K1322 | 3 | -1 | -2 | -1 |
| K1323 | 6 | 3 | 1 | 2 |
| K1324 | 4 | -2 | -3 | 0 |
| K1325 | 7 | 1 | 3 | 0 |
| K1326 | 8 | 3 | 1 | 1 |
| K1327 | 3 | 0 | 0 | 0 |
| LN91-1695 | 0 | -3 | -4 | -2 |
| LN92-3932 | -8 | -9 | -12 | -10 |
| LN92-4225 | -6 | -6 | -6 | -8 |
| LN92-5914 | 2 | -1 | -1 | -1 |
| LN92-8605 | 4 | -1 | 2 | 0 |
| LN92-8618 | 1 | -4 | 2 | 1 |
| LN92-9047 | -5 | -6 | -6 | -2 |
| LN92-12606 | 7 | 2 | 8 | 2 |
| LN92-12654 | -2 | -1 | -3 | -4 |
| Ripley (dt1) | -4 | -5 | 0 | -2 |
| C1922 | -4 | -6 | -2 | -3 |
| HC85-282 | -3 | -1 | -3 | -2 |
| HC89-85PR | -5 | -1 | -2 | -2 |
| HC90-2175 | 0 | -1 | -4 | -1 |
| HC90-2316 | 3 | 0 | 0 | 0 |
| HC91-62PR | -4 | -3 | -1 | -3 |
| HC91-1088 | -3 | -9 | -7 | -5 |
| HC91-1439 | 4 | -5 | -4 | -2 |
| HC91-1677 | 4 | -2 | 0 | -2 |
| HC91-1768 | 5 | 0 | 5 | -1 |
| HC91-1770 | 3 | 0 | 3 | 0 |
| HC91-1931 | -3 | -4 | -3 | -2 |
| HC91-1999 | -4 | -4 | -3 | -1 |
| Date Planted | 05/21 | 06/22 | 05/23 | 04/28 |
| Days to Mature | 128 | 104 | 123 | 153 |

PRELIMINARY TEST IVB, 1995

LODGING (score)

| Strain | Mean 8 Tests | Belleville IL | Urbana IL | Manhattan KS | Lexington KY |
|-----------------|--------------------|------------------|--------------|-----------------|-----------------|
| Flyer (E) | 1.4 | 1.0 | 1.5 | 1.5 | 2.0 |
| KS4694 (L) | 1.5 | 1.0 | 1.5 | 2.0 | 2.0 |
| Stressland (IV) | 1.6 | 1.0 | 2.3 | 2.0 | 2.0 |
| K1318 | 1.7 | 1.0 | 2.0 | 2.0 | 3.0 |
| K1319 | 1.2 | 1.0 | 1.0 | 1.0 | 2.0 |
| K1320 | 1.4 | 1.0 | 1.0 | 2.0 | 2.0 |
| K1321 | 2.4 | 1.0 | 3.0 | 3.0 | 4.0 |
| K1322 | 1.7 | 1.0 | 2.0 | 1.5 | 3.0 |
| K1323 | 1.4 | 1.0 | 1.0 | 2.0 | 2.0 |
| K1324 | 1.4 | 1.0 | 1.0 | 2.5 | 2.0 |
| K1325 | 1.9 | 1.0 | 3.0 | 3.0 | 2.0 |
| K1326 | 1.5 | 1.0 | 1.5 | 2.0 | 2.0 |
| K1327 | 2.0 | 1.0 | 2.0 | 2.5 | 4.0 |
| LN91-1695 | 1.2 | 1.0 | 1.0 | 1.0 | 2.0 |
| LN92-3932 | 1.2 | 1.0 | 1.0 | 1.0 | 2.0 |
| LN92-4225 | 1.3 | 1.0 | 1.5 | 1.0 | 2.0 |
| LN92-5914 | 1.4 | 1.0 | 2.0 | 1.5 | 2.0 |
| LN92-8605 | 1.6 | 1.0 | 1.0 | 2.0 | 3.0 |
| LN92-8618 | 1.5 | 1.0 | 1.0 | 1.5 | 2.0 |
| LN92-9047 | 1.5 | 1.0 | 1.0 | 2.5 | 2.0 |
| LN92-12606 | 1.2 | 1.0 | 1.0 | 1.0 | 2.0 |
| LN92-12654 | 1.2 | 1.0 | 1.0 | 1.5 | 2.0 |
| Ripley (dt1) | 1.1 | 1.0 | 1.0 | 1.0 | 2.0 |
| C1922 | 1.3 | 1.0 | 1.0 | 1.5 | 3.0 |
| HC85-282 | 1.1 | 1.0 | 1.0 | 1.0 | 2.0 |
| HC89-85PR | 1.2 | 1.0 | 1.0 | 1.5 | 2.0 |
| HC90-2175 | 1.4 | 1.0 | 1.0 | 1.0 | 4.0 |
| HC90-2316 | 1.3 | 1.0 | 1.0 | 1.0 | 3.0 |
| HC91-62PR | 1.1 | 1.0 | 1.0 | 1.0 | 2.0 |
| HC91-1088 | 1.1 | 1.0 | 1.0 | 1.0 | 2.0 |
| HC91-1439 | 1.1 | 1.0 | 1.0 | 1.0 | 2.0 |
| HC91-1677 | 1.3 | 1.0 | 1.0 | 1.0 | 3.0 |
| HC91-1768 | 1.1 | 1.0 | 1.0 | 1.0 | 2.0 |
| HC91-1770 | 1.3 | 1.0 | 1.0 | 1.0 | 3.0 |
| HC91-1931 | 1.1 | 1.0 | 1.0 | 1.0 | 2.0 |
| HC91-1999 | 1.1 | 1.0 | 1.0 | 1.0 | 2.0 |

PRELIMINARY TEST IVB, 1995

LODGING (score)

| Strain | Queenstown MD | Columbia MO | Mt. Orab OH | South Charleston OH |
|-----------------|------------------|----------------|----------------|---------------------------|
| Flyer (E) | 1.5 | 1.0 | 1.0 | 1.5 |
| KS4694 (L) | 1.3 | 1.0 | 1.0 | 2.3 |
| Stressland (IV) | 1.3 | 1.0 | 1.0 | 2.3 |
| K1318 | 1.3 | 1.0 | 1.0 | 2.5 |
| K1319 | 1.0 | 1.0 | 1.0 | 1.5 |
| K1320 | 1.0 | 1.0 | 1.0 | 2.0 |
| K1321 | 2.0 | 2.0 | 1.0 | 3.3 |
| K1322 | 1.5 | 1.0 | 1.0 | 2.3 |
| K1323 | 1.3 | 1.0 | 1.0 | 1.8 |
| K1324 | 1.0 | 1.0 | 1.0 | 1.8 |
| K1325 | 1.5 | 1.0 | 1.0 | 2.5 |
| K1326 | 1.3 | 1.0 | 1.0 | 2.0 |
| K1327 | 1.8 | 1.0 | 1.0 | 2.5 |
| LN91-1695 | 1.0 | 1.0 | 1.0 | 1.8 |
| LN92-3932 | 1.0 | 1.0 | 1.0 | 1.5 |
| LN92-4225 | 1.0 | 1.0 | 1.0 | 2.0 |
| LN92-5914 | 1.0 | 1.0 | 1.0 | 2.0 |
| LN92-8605 | 1.8 | 1.0 | 1.0 | 2.3 |
| LN92-8618 | 1.8 | 1.0 | 1.0 | 2.3 |
| LN92-9047 | 1.3 | 1.0 | 1.0 | 1.8 |
| LN92-12606 | 1.3 | 1.0 | 1.0 | 1.3 |
| LN92-12654 | 1.0 | 1.0 | 1.0 | 1.3 |
| Ripley (dt1) | 1.0 | 1.0 | 1.0 | 1.0 |
| C1922 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC85-282 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC89-85PR | 1.0 | 1.0 | 1.0 | 1.0 |
| HC90-2175 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC90-2316 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC91-62PR | 1.0 | 1.0 | 1.0 | 1.0 |
| HC91-1088 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC91-1439 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC91-1677 | 1.3 | 1.0 | 1.0 | 1.0 |
| HC91-1768 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC91-1770 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC91-1931 | 1.0 | 1.0 | 1.0 | 1.0 |
| HC91-1999 | 1.0 | 1.0 | 1.0 | 1.0 |

PRELIMINARY TEST IVB, 1995

PLANT HEIGHT (inches)

| Strain | Mean 8 Tests | Belleville IL | Urbana IL | Manhattan KS | Lexington KY |
|-----------------|--------------------|------------------|--------------|-----------------|-----------------|
| Flyer (E) | 31 | 28 | 36 | 39 | 28 |
| KS4694 (L) | 33 | 27 | 35 | 42 | 37 |
| Stressland (IV) | 36 | 32 | 39 | 42 | 36 |
| K1318 | 35 | 26 | 39 | 43 | 39 |
| K1319 | 31 | 26 | 37 | 39 | 29 |
| K1320 | 31 | 25 | 39 | 39 | 31 |
| K1321 | 35 | 32 | 40 | 43 | 33 |
| K1322 | 33 | 31 | 39 | 41 | 33 |
| K1323 | 33 | 29 | 39 | 43 | 30 |
| K1324 | 32 | 24 | 40 | 43 | 33 |
| K1325 | 35 | 30 | 47 | 44 | 30 |
| K1326 | 35 | 25 | 41 | 44 | 36 |
| K1327 | 34 | 34 | 38 | 45 | 34 |
| LN91-1695 | 29 | 26 | 36 | 37 | 28 |
| LN92-3932 | 27 | 21 | 33 | 35 | 27 |
| LN92-4225 | 34 | 32 | 41 | 39 | 32 |
| LN92-5914 | 30 | 24 | 40 | 39 | 28 |
| LN92-8605 | 34 | 34 | 34 | 44 | 36 |
| LN92-8618 | 34 | 29 | 39 | 40 | 31 |
| LN92-9047 | 30 | 28 | 35 | 45 | 27 |
| LN92-12606 | 28 | 26 | 33 | 36 | 28 |
| LN92-12654 | 31 | 27 | 35 | 38 | 31 |
| Ripley (dt1) | 20 | 16 | 22 | 26 | 27 |
| C1922 | 22 | 20 | 20 | 27 | 26 |
| HC85-282 | 19 | 14 | 18 | 21 | 21 |
| HC89-85PR | 18 | 17 | 19 | 19 | 21 |
| HC90-2175 | 22 | 20 | 24 | 26 | 27 |
| HC90-2316 | 22 | 19 | 22 | 24 | 26 |
| HC91-62PR | 22 | 18 | 25 | 25 | 27 |
| HC91-1088 | 20 | 18 | 21 | 23 | 20 |
| HC91-1439 | 16 | 12 | 19 | 21 | 18 |
| HC91-1677 | 21 | 18 | 21 | 24 | 25 |
| HC91-1768 | 21 | 18 | 23 | 24 | 28 |
| HC91-1770 | 21 | 16 | 21 | 29 | 28 |
| HC91-1931 | 18 | 15 | 20 | 21 | 21 |
| HC91-1999 | 19 | 14 | 19 | 24 | 21 |

PRELIMINARY TEST IVB, 1995

PLANT HEIGHT (inches)

| Strain | Queenstown MD | Columbia MO | Mt. Orab OH | South Charleston OH |
|-----------------|------------------|----------------|----------------|---------------------------|
| Flyer (E) | 30 | 34 | 24 | 32 |
| KS4694 (L) | 30 | 36 | 25 | 32 |
| Stressland (IV) | 36 | 38 | 28 | 35 |
| K1318 | 32 | 38 | 24 | 35 |
| K1319 | 28 | 32 | 21 | 33 |
| K1320 | 28 | 33 | 23 | 30 |
| K1321 | 33 | 40 | 26 | 32 |
| K1322 | 29 | 37 | 26 | 29 |
| K1323 | 31 | 34 | 23 | 33 |
| K1324 | 27 | 36 | 20 | 30 |
| K1325 | 35 | 40 | 21 | 35 |
| K1326 | 32 | 37 | 25 | 37 |
| K1327 | 29 | 36 | 24 | 33 |
| LN91-1695 | 26 | 30 | 20 | 32 |
| LN92-3932 | 24 | 31 | 19 | 28 |
| LN92-4225 | 33 | 36 | 26 | 34 |
| LN92-5914 | 27 | 29 | 21 | 30 |
| LN92-8605 | 34 | 37 | 25 | 29 |
| LN92-8618 | 31 | 38 | 26 | 35 |
| LN92-9047 | 28 | 33 | 19 | 28 |
| LN92-12606 | 25 | 28 | 19 | 31 |
| LN92-12654 | 26 | 33 | 21 | 33 |
| Ripley (dt1) | 13 | 23 | 17 | 19 |
| C1922 | 18 | 27 | 22 | 19 |
| HC85-282 | 14 | 23 | 16 | 21 |
| HC89-85PR | 13 | 19 | 17 | 20 |
| HC90-2175 | 15 | 28 | 17 | 18 |
| HC90-2316 | 16 | 29 | 17 | 23 |
| HC91-62PR | 14 | 25 | 18 | 23 |
| HC91-1088 | 15 | 27 | 16 | 19 |
| HC91-1439 | 11 | 20 | 14 | 16 |
| HC91-1677 | 15 | 25 | 20 | 23 |
| HC91-1768 | 14 | 27 | 16 | 20 |
| HC91-1770 | 14 | 24 | 17 | 22 |
| HC91-1931 | 10 | 23 | 14 | 20 |
| HC91-1999 | 14 | 23 | 17 | 17 |

PRELIMINARY TEST IVB, 1995

SEED QUALITY (score)

| Strain | Mean 8 Tests | Belleville IL | Urbana IL | Manhattan KS | Lexington KY |
|-----------------|--------------------|------------------|--------------|-----------------|-----------------|
| Flyer (E) | 1.5 | 1.0 | 1.5 | 2.0 | 1.0 |
| KS4694 (L) | 1.9 | 3.0 | 1.5 | 2.0 | 1.0 |
| Stressland (IV) | 1.9 | 2.0 | 1.8 | 2.0 | 1.0 |
| K1318 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| K1319 | 1.9 | 2.0 | 1.5 | 2.0 | 1.0 |
| K1320 | 1.5 | 1.0 | 1.5 | 2.0 | 1.0 |
| K1321 | 2.2 | 3.0 | 1.8 | 2.0 | 2.0 |
| K1322 | 1.6 | 2.0 | 1.5 | 2.0 | 1.0 |
| K1323 | 2.0 | 1.0 | 1.8 | 2.0 | 1.0 |
| K1324 | 2.1 | 3.0 | 2.0 | 2.0 | 1.0 |
| K1325 | 1.9 | 3.0 | 1.5 | 2.0 | 1.0 |
| K1326 | 1.9 | 3.0 | 2.0 | 2.0 | 1.0 |
| K1327 | 1.7 | 3.0 | 1.5 | 2.0 | 1.0 |
| LN91-1695 | 2.2 | 2.0 | 1.8 | 2.0 | 1.0 |
| LN92-3932 | 2.7 | 2.0 | 1.8 | 2.0 | 2.0 |
| LN92-4225 | 2.0 | 2.0 | 1.5 | 2.0 | 2.0 |
| LN92-5914 | 2.1 | 2.0 | 2.3 | 2.0 | 1.0 |
| LN92-8605 | 2.2 | 2.0 | 2.5 | 2.0 | 2.0 |
| LN92-8618 | 2.1 | 2.0 | 2.0 | 2.0 | 2.0 |
| LN92-9047 | 2.5 | 2.0 | 2.0 | 3.0 | 2.0 |
| LN92-12606 | 1.7 | 1.0 | 1.8 | 2.0 | 1.0 |
| LN92-12654 | 1.8 | 1.0 | 1.8 | 2.0 | 1.0 |
| Ripley (dt1) | 2.0 | 3.0 | 1.5 | 2.0 | 2.0 |
| C1922 | 2.1 | 2.0 | 1.5 | 1.0 | 2.0 |
| HC85-282 | 1.8 | 2.0 | 1.5 | 1.0 | 2.0 |
| HC89-85PR | 2.1 | 2.0 | 1.5 | 3.0 | 2.0 |
| HC90-2175 | 1.9 | 3.0 | 1.5 | 2.0 | 1.0 |
| HC90-2316 | 1.7 | 3.0 | 1.5 | 1.0 | 1.0 |
| HC91-62PR | 1.7 | 3.0 | 1.5 | 1.0 | 1.0 |
| HC91-1088 | 1.7 | 1.0 | 1.5 | 2.0 | 1.0 |
| HC91-1439 | 2.5 | 3.0 | 1.5 | 1.0 | 2.0 |
| HC91-1677 | 1.9 | 2.0 | 1.5 | 1.0 | 2.0 |
| HC91-1768 | 1.7 | 1.0 | 1.5 | 2.0 | 1.0 |
| HC91-1770 | 1.5 | 1.0 | 1.5 | 1.0 | 1.0 |
| HC91-1931 | 1.8 | 1.0 | 1.5 | 2.0 | 1.0 |
| HC91-1999 | 2.1 | 3.0 | 1.5 | 2.0 | 2.0 |

PRELIMINARY TEST IVB, 1995

SEED QUALITY (score)

| Strain | Queenstown MD | Columbia MO | Mt. Orab OH | South Charleston OH |
|-----------------|------------------|----------------|----------------|---------------------------|
| Flyer (E) | 2.0 | 1.0 | 1.6 | 2.0 |
| KS4694 (L) | 2.0 | 2.0 | 1.5 | 2.0 |
| Stressland (IV) | 2.0 | 2.0 | 2.0 | 2.0 |
| K1318 | 2.0 | 1.0 | 2.1 | 2.5 |
| K1319 | 1.8 | 2.0 | 1.6 | 3.0 |
| K1320 | 2.0 | 1.0 | 1.6 | 1.8 |
| K1321 | 2.0 | 1.0 | 2.6 | 3.0 |
| K1322 | 2.0 | 1.0 | 1.4 | 2.0 |
| K1323 | 2.3 | 2.0 | 3.0 | 2.5 |
| K1324 | 3.0 | 1.0 | 2.5 | 2.0 |
| K1325 | 2.0 | 2.0 | 2.0 | 2.0 |
| K1326 | 2.3 | 1.0 | 2.1 | 2.0 |
| K1327 | 2.0 | 1.0 | 1.4 | 2.0 |
| LN91-1695 | 2.3 | 2.0 | 3.4 | 3.0 |
| LN92-3932 | 3.5 | 3.0 | 5.0 | 2.5 |
| LN92-4225 | 2.3 | 2.0 | 2.0 | 2.5 |
| LN92-5914 | 2.3 | 2.0 | 2.0 | 3.5 |
| LN92-8605 | 2.0 | 2.0 | 2.4 | 2.5 |
| LN92-8618 | 2.0 | 2.0 | 2.1 | 2.5 |
| LN92-9047 | 2.3 | 2.0 | 4.5 | 2.5 |
| LN92-12606 | 2.0 | 2.0 | 1.5 | 2.5 |
| LN92-12654 | 2.0 | 2.0 | 2.0 | 2.5 |
| Ripley (dt1) | 2.3 | 1.0 | 2.1 | 1.8 |
| C1922 | 2.5 | 1.0 | 4.5 | 2.5 |
| HC85-282 | 2.0 | 2.0 | 1.9 | 2.0 |
| HC89-85PR | 2.0 | 2.0 | 2.5 | 2.0 |
| HC90-2175 | 2.0 | 2.0 | 1.0 | 2.5 |
| HC90-2316 | 2.0 | 1.0 | 2.1 | 2.0 |
| HC91-62PR | 2.0 | 2.0 | 1.5 | 1.3 |
| HC91-1088 | 1.8 | 2.0 | 2.5 | 1.5 |
| HC91-1439 | 2.3 | 3.0 | 3.5 | 3.5 |
| HC91-1677 | 2.0 | 2.0 | 2.3 | 2.5 |
| HC91-1768 | 2.0 | 2.0 | 2.0 | 2.0 |
| HC91-1770 | 2.0 | 2.0 | 1.5 | 2.0 |
| HC91-1931 | 2.8 | 2.0 | 1.9 | 2.5 |
| HC91-1999 | 2.0 | 2.0 | 1.9 | 2.0 |

PRELIMINARY TEST IVB, 1995

SEED SIZE (g/100)

| Strain | Mean 7 Tests | Belleville IL | Urbana IL | Manhattan KS | Lexington KY |
|-----------------|--------------------|------------------|--------------|-----------------|-----------------|
| Flyer (E) | 12.8 | 13.4 | 12.3 | 14.9 | 14.9 |
| KS4694 (L) | 14.0 | 14.8 | 13.1 | 14.7 | 17.7 |
| Stressland (IV) | 11.9 | 12.3 | 12.0 | 13.1 | 13.7 |
| K1318 | 13.6 | 15.4 | 13.2 | 14.3 | 15.7 |
| K1319 | 12.5 | 13.9 | 12.8 | 13.9 | 13.5 |
| K1320 | 12.8 | 13.2 | 12.7 | 13.9 | 14.9 |
| K1321 | 12.1 | 13.4 | 12.0 | 12.4 | 12.9 |
| K1322 | 12.8 | 13.4 | 12.5 | 13.1 | 15.5 |
| K1323 | 14.0 | 13.6 | 13.8 | 15.0 | 16.6 |
| K1324 | 13.3 | 13.8 | 12.7 | 14.1 | 15.1 |
| K1325 | 12.9 | 15.0 | 12.0 | 12.8 | 14.0 |
| K1326 | 14.8 | 15.1 | 14.1 | 15.5 | 18.6 |
| K1327 | 11.8 | 12.3 | 11.7 | 13.5 | 12.0 |
| LN91-1695 | 14.3 | 14.8 | 13.7 | 15.5 | 17.8 |
| LN92-3932 | 15.9 | 15.1 | 16.4 | 17.2 | 18.8 |
| LN92-4225 | 15.7 | 14.8 | 15.6 | 17.8 | 19.0 |
| LN92-5914 | 14.4 | 14.4 | 14.3 | 15.1 | 17.4 |
| LN92-8605 | 14.4 | 14.0 | 13.9 | 15.0 | 17.2 |
| LN92-8618 | 15.5 | 14.8 | 15.3 | 17.0 | 19.1 |
| LN92-9047 | 16.1 | 16.0 | 16.3 | 18.4 | 19.6 |
| LN92-12606 | 12.2 | 12.8 | 11.4 | 12.4 | 13.7 |
| LN92-12654 | 15.4 | 16.2 | 14.8 | 16.8 | 16.9 |
| Ripley (dtl) | 12.5 | 13.5 | 11.6 | 17.1 | 14.6 |
| C1922 | 15.1 | 14.9 | 15.2 | 12.4 | 20.5 |
| HC85-282 | 15.3 | 14.5 | 14.5 | 18.9 | 18.4 |
| HC89-85PR | 16.2 | 16.8 | 16.2 | 18.4 | 18.4 |
| HC90-2175 | 14.4 | 16.1 | 15.1 | 12.1 | 17.6 |
| HC90-2316 | 12.2 | 12.4 | 10.8 | 17.1 | 13.8 |
| HC91-62PR | 11.7 | 12.9 | 12.3 | 11.9 | 14.2 |
| HC91-1088 | 13.2 | 13.3 | 13.7 | 15.2 | 17.0 |
| HC91-1439 | 14.5 | 15.0 | 14.6 | 19.2 | 15.8 |
| HC91-1677 | 14.3 | 15.3 | 14.7 | 16.7 | 15.0 |
| HC91-1768 | 12.6 | 14.0 | 12.3 | 13.4 | 13.5 |
| HC91-1770 | 12.0 | 13.6 | 12.4 | 12.9 | 12.2 |
| HC91-1931 | 15.7 | 15.3 | 14.8 | 20.5 | 17.5 |
| HC91-1999 | 14.1 | 15.5 | 14.7 | 15.7 | 15.6 |

PRELIMINARY TEST IVB, 1995

SEED SIZE (g/100)

| Strain | Queenstown MD | Columbia MO | Mt. Orab OH | South Charleston OH |
|-----------------|------------------|----------------|----------------|---------------------------|
| Flyer (E) | 10.6 | | 11.8 | 11.4 |
| KS4694 (L) | 12.1 | | 13.1 | 12.8 |
| Stressland (IV) | 11.0 | | 10.9 | 10.2 |
| K1318 | 13.3 | | 12.3 | 11.3 |
| K1319 | 11.0 | | 10.6 | 11.5 |
| K1320 | 11.9 | | 11.4 | 11.8 |
| K1321 | 11.1 | | 11.7 | 11.1 |
| K1322 | 11.9 | | 11.2 | 12.2 |
| K1323 | 12.7 | | 13.0 | 13.1 |
| K1324 | 12.5 | | 12.6 | 12.1 |
| K1325 | 11.6 | | 13.0 | 11.8 |
| K1326 | 13.2 | | 13.6 | 13.7 |
| K1327 | 11.4 | | 10.2 | 11.2 |
| LN91-1695 | 12.9 | | 12.6 | 12.8 |
| LN92-3932 | 14.3 | | 14.6 | 15.0 |
| LN92-4225 | 14.3 | | 14.2 | 14.1 |
| LN92-5914 | 13.0 | | 12.4 | 14.1 |
| LN92-8605 | 13.4 | | 13.6 | 13.9 |
| LN92-8618 | 13.8 | | 13.4 | 14.8 |
| LN92-9047 | 13.6 | | 14.0 | 14.6 |
| LN92-12606 | 10.9 | | 12.0 | 12.5 |
| LN92-12654 | 13.9 | | 14.7 | 14.5 |
| Ripley (dt1) | 10.4 | | 9.4 | 10.7 |
| C1922 | 14.2 | | 14.4 | 13.8 |
| HC85-282 | 13.3 | | 13.8 | 13.9 |
| HC89-85PR | 15.1 | | 14.6 | 13.6 |
| HC90-2175 | 12.8 | | 12.9 | 14.1 |
| HC90-2316 | 10.9 | | 9.9 | 10.3 |
| HC91-62PR | 10.6 | | 9.4 | 10.8 |
| HC91-1088 | 10.6 | | 11.3 | 11.3 |
| HC91-1439 | 11.1 | | 13.2 | 12.9 |
| HC91-1677 | 12.0 | | 13.4 | 13.2 |
| HC91-1768 | 11.5 | | 12.2 | 11.0 |
| HC91-1770 | 10.1 | | 11.4 | 11.2 |
| HC91-1931 | 14.4 | | 13.9 | 13.7 |
| HC91-1999 | 12.0 | | 12.5 | 13.0 |

PRELIMINARY TEST IVB, 1995

PROTEIN (%)

| Strain | Mean 4 Tests | Urbana IL | Manhattan KS | Lexington KY | Mt. Orab OH |
|-----------------|--------------------|--------------|-----------------|-----------------|-------------------|
| Flyer (E) | 44.0 | 43.0 | 42.2 | 46.4 | 44.5 |
| KS4694 (L) | 42.4 | 40.3 | 41.5 | 44.2 | 43.7 |
| Stressland (IV) | 44.5 | 42.8 | 42.8 | 46.3 | 46.2 |
| K1318 | 42.0 | 40.6 | 41.2 | 44.4 | 41.9 |
| K1319 | 42.1 | 40.0 | 41.1 | 43.4 | 43.8 |
| K1320 | 42.7 | 41.1 | 41.5 | 44.5 | 43.7 |
| K1321 | 42.1 | 39.9 | 41.0 | 43.0 | 44.3 |
| K1322 | 43.4 | 41.2 | 41.8 | 44.5 | 45.9 |
| K1323 | 43.3 | 42.3 | 41.7 | 43.5 | 45.5 |
| K1324 | 42.6 | 39.9 | 41.6 | 43.5 | 45.2 |
| K1325 | 42.1 | 39.5 | 40.5 | 43.9 | 44.5 |
| K1326 | 43.6 | 41.1 | 41.7 | 45.6 | 46.0 |
| K1327 | 41.7 | 40.2 | 40.6 | 43.0 | 43.1 |
| LN91-1695 | 44.1 | 42.5 | 42.6 | 44.9 | 46.2 |
| LN92-3932 | 42.9 | 41.1 | 40.7 | 44.3 | 45.4 |
| LN92-4225 | 43.3 | 41.1 | 42.0 | 45.2 | 44.8 |
| LN92-5914 | 42.6 | 41.4 | 41.3 | 43.9 | 43.7 |
| LN92-8605 | 44.4 | 41.0 | 43.1 | 45.5 | 47.8 |
| LN92-8618 | 43.3 | 41.9 | 41.5 | 45.6 | 44.1 |
| LN92-9047 | 43.6 | 42.3 | 41.2 | 45.6 | 45.4 |
| LN92-12606 | 44.2 | 43.8 | 42.2 | 45.7 | 45.2 |
| LN92-12654 | 44.1 | 41.7 | 42.7 | 45.2 | 46.9 |
| Ripley (dt1) | 42.9 | 39.5 | 43.6 | 42.9 | 45.4 |
| C1922 | 43.4 | 42.2 | 39.7 | 44.8 | 46.8 |
| HC85-282 | 43.4 | 41.4 | 43.0 | 43.6 | 45.5 |
| HC89-85PR | 44.5 | 43.2 | 44.5 | 44.7 | 45.6 |
| HC90-2175 | 42.4 | 40.7 | 41.5 | 44.1 | 43.2 |
| HC90-2316 | 42.4 | 40.9 | 41.9 | 44.6 | 42.1 |
| HC91-62PR | 42.6 | 39.8 | 40.5 | 44.5 | 45.6 |
| HC91-1088 | 44.1 | 41.4 | 42.5 | 46.1 | 46.3 |
| HC91-1439 | 42.5 | 40.0 | 43.1 | 43.6 | 43.3 |
| HC91-1677 | 42.0 | 40.1 | 41.2 | 42.9 | 43.8 |
| HC91-1768 | 43.1 | 40.2 | 42.6 | 44.3 | 45.3 |
| HC91-1770 | 42.3 | 40.3 | 41.7 | 44.2 | 43.0 |
| HC91-1931 | 43.6 | 41.5 | 42.7 | 45.3 | 44.7 |
| HC91-1999 | 42.9 | 41.1 | 42.9 | 43.4 | 44.3 |

PRELIMINARY TEST IVB, 1995

OIL (%)

| Strain | Mean 4 Tests | Urbana IL | Manhattan KS | Lexington KY | Mt. Orab OH |
|-----------------|--------------------|--------------|-----------------|-----------------|-------------------|
| Flyer (E) | 20.6 | 20.9 | 20.5 | 20.5 | 20.6 |
| KS4694 (L) | 19.8 | 20.7 | 18.3 | 20.4 | 19.9 |
| Stressland (IV) | 20.4 | 21.0 | 19.9 | 20.4 | 20.2 |
| K1318 | 20.9 | 21.2 | 20.7 | 20.6 | 21.2 |
| K1319 | 20.4 | 21.0 | 19.8 | 20.6 | 20.2 |
| K1320 | 20.6 | 21.5 | 20.0 | 20.3 | 20.4 |
| K1321 | 20.2 | 20.9 | 20.2 | 20.4 | 19.4 |
| K1322 | 20.0 | 21.2 | 19.6 | 20.2 | 19.1 |
| K1323 | 20.4 | 20.9 | 19.7 | 20.5 | 20.3 |
| K1324 | 20.7 | 21.4 | 20.3 | 20.4 | 20.6 |
| K1325 | 20.5 | 21.5 | 20.1 | 20.0 | 20.2 |
| K1326 | 20.2 | 21.1 | 19.7 | 20.2 | 19.7 |
| K1327 | 20.4 | 20.9 | 20.3 | 20.2 | 20.2 |
| LN91-1695 | 20.9 | 21.3 | 20.7 | 21.1 | 20.4 |
| LN92-3932 | 21.4 | 21.2 | 21.3 | 21.5 | 21.7 |
| LN92-4225 | 20.8 | 21.4 | 20.5 | 20.7 | 20.5 |
| LN92-5914 | 20.5 | 20.5 | 20.0 | 20.7 | 20.7 |
| LN92-8605 | 19.6 | 21.1 | 18.9 | 19.8 | 18.4 |
| LN92-8618 | 20.9 | 21.0 | 20.9 | 20.9 | 20.6 |
| LN92-9047 | 20.9 | 21.3 | 20.2 | 21.1 | 21.1 |
| LN92-12606 | 20.2 | 20.9 | 19.4 | 20.4 | 20.1 |
| LN92-12654 | 20.8 | 21.2 | 20.2 | 20.9 | 20.7 |
| Ripley (dt1) | 20.3 | 21.0 | 20.0 | 20.7 | 19.4 |
| C1922 | 20.8 | 21.0 | 20.8 | 20.8 | 20.4 |
| HC85-282 | 21.0 | 21.6 | 20.6 | 21.5 | 20.3 |
| HC89-85PR | 21.5 | 22.0 | 20.8 | 21.9 | 21.2 |
| HC90-2175 | 20.6 | 21.4 | 19.9 | 20.9 | 20.2 |
| HC90-2316 | 20.5 | 21.0 | 20.1 | 20.5 | 20.2 |
| HC91-62PR | 20.6 | 21.4 | 20.6 | 20.7 | 19.7 |
| HC91-1088 | 20.6 | 20.8 | 20.4 | 21.4 | 19.6 |
| HC91-1439 | 20.9 | 21.6 | 20.7 | 20.7 | 20.5 |
| HC91-1677 | 21.0 | 21.4 | 21.2 | 21.2 | 20.3 |
| HC91-1768 | 20.4 | 21.5 | 20.2 | 20.3 | 19.7 |
| HC91-1770 | 20.7 | 21.9 | 20.5 | 20.3 | 20.2 |
| HC91-1931 | 21.3 | 21.8 | 21.2 | 21.2 | 20.9 |
| HC91-1999 | 21.2 | 21.8 | 20.9 | 21.3 | 20.6 |

