

THE UNIFORM SOYBEAN TESTS

NORTHERN REGION

2004

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
WEST LAFAYETTE, INDIANA

COOPERATING WITH
STATE AGRICULTURAL EXPERIMENT STATIONS
NORTHERN STATES



UNIFORM SOYBEAN TESTS

NORTHERN STATES

2004

USDA-ARS
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The Uniform Soybean Test is conducted and managed as a component of a CRIS project on Enhancing Soybean Seed Composition and Pest Resistance in the USDA-ARS Crop Production and Pest Control Unit at West Lafayette, Indiana. The lead scientist for the CRIS Unit is Dr. Scott Abney.

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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 adapted to production in the northern fringe of the present area of soybean production. Uniform Tests 0 through IV include later maturing 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 from the tests. The summary of performance of strains in Uniform Tests 00 through IV in the northern region is included in this report. The USDA-ARS Soybean Production Research Unit, P.O. BOX 196, STONEVILLE, MS 38776, issues the report on Uniform Tests IVS through VIII in the southern states.

Data from the Uniform Soybean Tests are 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 more 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 Statements or data in the report, therefore, should not be published unless those concerned have obtained permission previously.

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 Test Report.

Participants of the Uniform Soybean Tests at the annual meeting in February 2002 unanimously voted to amend the policy for evaluation of soybean strains. The primary change in policy focused on the inclusion of proprietary and/or transgenic strains in the tests. Emphasis was placed on having breeders currently using 'Roundup Ready' germplasm that is licensed with Monsanto contact Monsanto representative(s) to confirm if the current agreement permits evaluation of RR strains in the Uniform Soybean Tests. Information obtained by the ad hoc committee of southern (B. Paris, B. Kenworthy, & G. Busse) and northern (B. Schapaugh, D. Sleeper & R. Scott) participants and guidance from Dr. Rich Wilson, USDA-ARS, NPS-Oilseeds & Bioscience, permitted evaluation of RR germplasm in the 2002 Southern Uniform Soybean Tests; northern participants elected to delay testing of RR strains until 2003. Also, since the southern and northern participants chose to establish 'Combined tests' (including both proprietary and/or transgenic and conventional strains) vs. 'Separate tests', respectfully, the two working groups established guidelines for amending the policy on evaluation somewhat independently. Modifications identified in the 2002 and 2004 business meetings of the northern participants are included in the following policy information.

Northern Region UT – POLICY ON EVALUATION AND RELEASE OF STRAINS

Qualifications for inclusion in the Uniform Tests.

- 1) Participants must be willing and able to conduct separate tests for conventional strains and strains containing proprietary and/or transgenic traits. However, all participants are not required to evaluate both; and, placement of proprietary entries depends on whether transgenic or non-transgenic.
- 2) Participants are individually responsible to ensure that any proprietary and/or transgenic strains that they submit are approved for human consumption and are cleared for sale as commodity seed.
- 3) Participants must disclose pedigrees to the Uniform Test Coordinator for publication with performance data in Uniform Soybean Test Report unless contract arrangements prohibit disclosure of information.
- 4) 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 prior approval by the originator of the entry.
- 2) Uniform Test participants must obtain written approval before using any entry, other than their own, as a recurrent parent in backcrossing, in any breeding or genetic studies, or for any other research.
- 3) Experimental strains entered in the Uniform Tests should be labeled "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.
- 4) Seed of any transgenic entry must not be used for further evaluation without written permission from the originator of the entry, and must be discarded at the end of the season, except for crossing purposes, subject to the restrictions outlined in the preceding sections two and three.

Release of Uniform Test entries.

Entries in the Uniform Tests are released according to the policy of the originating institution (USDA-Agricultural Research Service and State Agricultural Experiment Station or Canadian government).

STRAIN DESIGNATIONS

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 experiment station agronomists with the U.S. Department of Agriculture. Additional code letters may be used to designate the individual within a state or province that developed the strain.

A	Iowa A.E.S.
Ar	Arizona A.E.S.
Au	Alabama A. E. S.
B	California
C	Purdue (Indiana) A.R.P. (C=J.R. Wilcox, CL=A. LeRoy)
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, USDA
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. (LD=B. Diers, LG=R.L. Nelson, LN=C.D. Nickell, LS=M. Schmidt)
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 Agricultural Experiment Station
ORC	Ridgetown, Ontario
OX	Research Station, Harrow, Ontario
PI	Plant Inventory
R	Arkansas A.E.S.
RJ	Arkansas State University, Jonesboro
S	Missouri A.E.S. (SS=D.Sleper)
SC	South Carolina A.E.S.
SD	South Dakota A.E.S.
Ts	Texas A.E.S.
T	Soybean Genetic Type Collection, USDA, 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. ND(M) North Dakota and Minnesota

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. Coefficients of variability are included with all replicated test data. Discretion is used in including data with high CVs in the regional means. If the CV is greater than 15, participants should include the reason, such as disease or environmental conditions. Lines may be heterogeneous for morphological traits the first year in the Uniform Tests but must be pure lines the second year of testing. It is the responsibility of the breeder to purify heterogeneous lines.

Generation Compositied is the generation after the final single-plant selection, when seeds from plants or rows are composited.

Previous Testing is the number of previous years in the same Uniform Test or, in the case of new entries, a reference to the previous year's test, abbreviated to PT IIA for Preliminary Test IIA, for example.

Yield is measured after the seeds have been dried to 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, as indicated by their mature pod color. Delayed leaf drop and green stems are not considered in assigning maturity. Maturity is expressed as days earlier (-) of 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 in the maturity column 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	MN0071	-7 to +5	Jim	Trail (L)
0	Lambert	-6 to +2	Traill (E)	Parker (L)
I	Parker	-4 to +4	Lambert (0)	IA1008 (SCN)
II	IA2068	-3 to +5	IA1008 (I)	IA2065 (L)
III	IA3023	-6 to +2	IA2065 (II)	Macon (L)
IV	LN97-15076	-4 to +7	Macon (III)	
ORR	RG405RR		RG200RR	SD1091RR (L)
IRR	AG1602		SD1091RR (L)	DKB20-52
IIRR	AG2302		DKB20-52 (SCN)	AG2801 (SCN)
IIIRR	AG3401		AG3003	DKB3852
IVRR	AG4201		DKB3852	AG4403

These maturity group ranges are based on long-term 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 varieties may be included in specific tests such as IA1008 (SCN) for resistance to the soybean cyst nematode in UT I, or Strong (dt1) as a determinate check in UT IV.

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

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 other pigment. Ratings for seed quality are:

1 -- Very good	2 -- Good	3 -- Fair	4 -- Poor	5 -- Very poor
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Seed Composition is measured on samples submitted to the USDA-ARS 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 on these samples using near infrared transmittance, and are reported on a moisture-free basis.

Descriptive Code: 1 2 3 4 5 6 7 8 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, 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
- 8 = Ep high seed coat peroxidase, ep low seed coat peroxidase, H heterogeneous

Green Stem is a rating of delayed green stem at time of plant maturity (R8 = 95% of the pods have reached their mature pod color). The condition is rated according to the following scores.

- 1 = almost all plant stems yellowing or have ripened, as indicated by their mature stem color.
- 2 = 1 - 10% plants with green stems
- 3 = 11 - 25% plants with green stems
- 4 = 26 - 50% plants with green stems
- 5 = > 50% plants with green stems.

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 4.5-inch depth in sand. Seedlings that have emerged by 12 days after planting are counted and emergence score in relation to percent of seeds that germinate and emerge are as follows:

- 1 > 95%
- 2 = 91 to 95%
- 3 = 85 to 90%
- 4 = 76 to 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 seed coat 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. Clear-cut 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 plantings in others. Absence of symptoms under natural infection does not necessarily mean high resistance.

Abbreviation	Disease	Pathogen
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 flaccumfaciens</u>
CN	Cyst nematode	<u>Heterodera glycines</u>
CR	Charcoal rot	<u>Macrophomina phaseolina</u>
DM	Downy mildew	<u>Peronospora manshurica</u>
FE	Frogeye leafspot	<u>Cercospora sojina</u>
PM	Powdery mildew	<u>Microsphaera diffusa</u>
PR	Phytophthora rot	<u>Phytophthora sojae</u>
PS	Purple stain	<u>Cercospora kikuchii</u>
P&SB	Pod & stem blight	<u>Phomopsis</u> spp.
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>
SCL	Sclerotinia stem rot	<u>Sclerotinia sclerotiorum</u>
SDS	Sudden death syndrome	<u>Fusarium virguliforme</u> , (<u>F. solani</u> f.sp. <u>glycines</u>)
SMV	Soybean mosaic virus	Soybean mosaic virus
TS	Target spot	<u>Corynespora cassiicola</u>
YMV	Yellow mosaic virus	Yellow mosaic virus

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

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

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

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 leaf 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)

PROCEDURE FOR TESTING AND RELEASE OF STRAINS

Public soybean breeders have agreed upon this policy on testing and release of soybean strains evaluated in the Uniform Soybean Tests Northern Region. 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 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 USDA-Agricultural Research Service coordinates the Uniform Soybean Tests. The tests are divided into those in the Northern Region, for strains in maturity groups 00 to IV, and those in the Southern States, for strains in maturity groups IVS to VIII. Group IV maturity strains are divided into an IVN test for the northern region and an IVS test for the southern region. Public soybean breeders are encouraged to enter superior strains they develop into the Uniform Soybean Tests.

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 the 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 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. Any institution or breeder participating in the Uniform Soybean Tests may request consideration for release of any strains in the UT, however the institution that developed the strain usually initiates it.

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 be 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 State's Experiment Station policy. This distribution is made only by the originating institution.

The originating institutions prepare a release notice to soybean seed producers listing all institutions participating in the release of the cultivar. This notice is circulated for signature by all participating institutions. Assistance in the preparation and circulation of this release notice may be obtained by Dr. Judith St. John, Associate Deputy Administrator for Plant Science, USDA, ARS, Bldg. 005, BARC-West, Beltsville, MD 20705, phone 301-504-6252. The office for clearance of proposed names of new soybean cultivars is: Dr. Richard Payne, Chief, Seed Regulatory & Testing Branch, Crossing Place, Suite C, Gastonia, North Carolina 28054-2193, phone 704-810-8870, Fax: 704-852-4189 (Lab). The date for simultaneous publicity release on new soybean cultivars by participating states is determined by the originating state, and is usually in August but may be delayed until the following April if additional UT data are being reviewed and a final decision to release has not been made.

If an additional year of UT data is 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 crossing if this distribution has not been made previously.

UNIFORM TEST STRAINS RELEASED IN 2004

Variety	Experimental designation	Uniform Test evaluations
Not finalized	Md96-5722	UTIV 1999-2002
IA2072	A03-946036	PTII 2004
IA2073	A03-946036	PTII 2004
IA3024	A03-946005	PTIII 2004
IA3025	A03-946006	PTIII 2004
MN0071	M94-135006	UT00 2000-2003
MN0304	M92-185003	PT0 1999, UT0 2000-2002
MN1005	M95-265009	PT0 2001, UTI 2002
MN1006CN	M95-258296	SCN UTI 2001, UTI 2002

Variety	Release date	Releasing states or Provinces	Foundation seed production
Not finalized	Dec. 31,2004	Maryland	2004
IA2072	Nov. 2004	Iowa	Winter 2004-2005
IA2073	Nov. 2004	Iowa	Winter 2004-2005
IA3024	Nov. 2004	Iowa	Winter 2004-2005
IA3025	Nov. 2004	Iowa	Winter 2004-2005
MN0071	Jan. 2004	Minnesota	2004
MN0304	Jan. 2004	Minnesota	2004
MN1005	Jan. 2004	Minnesota	2004
MN1006CN	Jan. 2004	Minnesota	2004

2004 Soybean Cyst Nematode evaluations provided by Dr. T. Niblack, Dept. Crop Science, Univ. Illinois

SCN population PA3: HG Type 0 (Race 3)

1000 eggs per plant inoculum
3 reps; entries with CV>30 were re-tested
Methods: see J. Nematol. 34:279-288

HR <10
R 10-24
MR 25-39
LR 40-59
NR 60+

Entries marked with ** were too variable to rate

SCN population U257: HG Type 2.5.7 (Race1)

1000 eggs per plant inoculum
Each test was put in in 3 parts, one each week.
Fresh eggs were prepared from the same greenhouse population for each test.
A complete HG test was done on the first part, and modified tests on the other 2 parts.
Entries marked with ** were too variable to rate

For raw data, contact T. Niblack
tnkblack@uiuc.edu

SCN population PA3: HG Type 0 (Race 3)

Indicator	Mean	Female Index
Lee 74	241	
PI 548402	1	0
PI 88788	7	3
PI 90763	0	0
PI 437654	0	0
PI 209332	8	3
PI 89772	0	0
PI 548316 (Pickett)	19	8
	3	1

SCN population U257: HG Type 2.5.7 (Race1)

Indicator	8/20/08	8/13/08	8/27/08	Mean	Female Index
	Mean	Mean	Mean		
Lee	37	186	97	107	
Peking	0	0	0	0	0
88788	25	138	48	71	66 ✓
90763	0	0	0	0	0
437654	0	0	.	0	0
209332	21	.	.	21	19 ✓
89772	0	.	.	0	0
Cloud	21	.	.	21	20 ✓
Pickett	0	1	0	1	1

Line mean FI Rating

04 UT 0

MN0902CN (SCN)	2	1	HR
M97-164072	157	110	NR

Line mean FI Rating

04 UT 0

MN0902CN (SCN)	41	43	LR
M97-164072	124	128	NR

04 PT0

M98-133-20012	105	73	NR
M98-237086	3	2	HR
M98-238010	8	6	HR
M98-239080	**	**	**
M98-240104	13	9	HR
ND01-3533	**	**	**
ND01-3535	7	5	HR

M98-133-20012	84	87	NR
M98-237086	60	62	NR
M98-238010	73	75	NR
M98-239080	54	56	LR
M98-240104	43	44	LR
ND01-3533	56	58	LR
ND01-3535	60	62	NR

04 UTI

IA1008 (SCN)	4	3	HR
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IA1008 (SCN)	64	67	NR
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04 PTI

A03-741001	**	**	**
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A03-741001	73	76	NR
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04 UTII

IA2068 (II)	1	0	HR
LD00-1938	7	5	HR
LD00-4970	3	2	HR

IA2068 (II)	54	56	LR
LD00-1938	70	72	NR
LD00-4970	68	70	NR

04 PTII

A03-842023	154	108	NR
E02103	141	99	NR
E02159	140	98	NR
U01-390489	6	4	HR
U01-390496	**	**	**

A03-842023	105	108	NR
E02103	95	98	NR
E02159	104	108	NR
U01-390489	59	61	NR
U01-390496	83	86	NR

04 UTIII

Pana (SCN)	2	1	HR
CLOJ173-6	136	95	NR
HC99-2846	106	74	NR
HC00-2766	2	2	HR
LS00-2137	9	6	HR

Pana (SCN)	56	58	LR
CLOJ173-6	109	113	NR
HC99-2846	108	112	NR
HC00-2766	47	49	LR
LS00-2137	64	67	NR

2004 Soybean Cyst Nematode evaluations provided by Dr. T. Niblack, Dept. Crop Science, Univ. Illinois

SCN population PA3: HG Type 0 (Race 3)

Indicator	Mean	Female	
		Index	
Lee 74	241		
PI 548402	1	0	
PI 88788	7	3	
PI 90763	0	0	
PI 437654	0	0	
PI 209332	8	3	
PI 89772	0	0	
PI 548316 (Pickett)	19	8	
	3	1	

Line mean FI Rating

04 PTIII

A03-941022	164	115	NR
A03-941024	**	**	**
A03-941027	170	119	NR
HC01-214	5	4	HR
LS01-1804	6	4	HR
LS01-1987	9	6	HR
U01-390495	171	120	NR

04 UTIV

LS93-0375 (SCN)	3	2	HR
HC99-2763	95	67	NR
LD00-3309	6	4	HR
LS98-0582	5	3	HR
LS00-0716	3	2	HR
LS00-2920	7	5	HR

04PTIV

LS00-4221	6	4	HR
LS01-1158	6	4	HR
LS01-1734	7	5	HR
LS01-3048	12	8	HR
LS01-3450	10	7	HR
LS01-3615	8	6	HR

PT0-RR

M99-113005	3	2	HR
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UTII-RR

DKB20-52 (SCN)	12	9	HR
DKB26-52 (SCN)	9	6	HR
AG2801 (SCN)	14	10	R
LD00-9276	3	2	HR

UTIII-RR

AG3201	7	5	HR
DKB38-52	6	4	HR

UTIV-RR

AG4201	5	4	HR
AG4403	87	61	NR
Md 01-063 RR	169	118	NR
LDX01-1-65	60	29	MR

Rating*

Highly resistant

Resistant

Moderately resistant

Low resistance

No effective resistance

Abbr

FI

HR

<10

R

10-24

MR

25-39

LR

40-59

NR

60+

SCN population U257: HG Type 2.5.7 (Race1)

Indicator	8/20/08		8/13/08		8/27/08		Female	
	Mean	FI	Mean	FI	Mean	FI	Mean	Index
Lee	37		186		97		107	
Peking	0		0		0		0	0
88788	25		138		48		71	66 ✓
90763	0		0		0		0	0
437654	0		0		.		0	0
209332	21		.		.		21	19 ✓
89772	0		.		.		0	0
Cloud	21		.		.		21	20 ✓
Pickett	0		1		0		1	1

Line mean FI Rating

A03-941022	101	104	NR
A03-941024	111	114	NR
A03-941027	106	110	NR
HC01-214	74	76	NR
LS01-1804	49	51	LR
LS01-1987	68	71	NR
U01-390495	105	109	NR

LS93-0375 (SCN)	53	55	LR
HC99-2763	87	90	NR
LD00-3309	68	70	NR
LS98-0582	41	42	LR
LS00-0716	45	46	LR
LS00-2920	77	80	NR

LS00-4221	76	78	NR
LS01-1158	74	77	NR
LS01-1734	70	72	NR
LS01-3048	59	61	NR
LS01-3450	53	55	LR
LS01-3615	67	70	NR

M99-113005	57	59	LR
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DKB20-52 (SCN)	67	69	NR
DKB26-52 (SCN)	53	55	LR
AG2801 (SCN)	85	88	NR
LD00-9276	37	38	MR

AG3201	65	67	NR
DKB38-52	58	60	NR

AG4201	56	58	LR
AG4403	81	83	NR
Md 01-063 RR	99	102	NR
LDX01-1-65	58	60	NR

IDENTIFICATION OF PARENT STRAINS 2004

Strain	Parentage
A2	M63-17 x C1453
A4	L15 x AP68-1016
A8	A4 x Century
A17	BSR 101 x CN210
A20	BSR 201 x CN210
A1564	Hark x C1453
A55-5629-4	Roanoke x Hawkeye
A72-507	Amsoy x Wayne
A72-512	Amsoy x Wayne
A75-10521	Corsoy (2) x L65-1342 or Anoka x Mack
A74-104034	Pike x Beeson
A75-204018	IVR4731 x Wirth
A75-332035	L15 x AP68-1016
A78-123018	Pride B216 x Hodson
A79-136012	Pride B216 x Land O' Lakes 4102
A80-244036	A74-204034 x A80-344003
A80-344003	A75-332035 x Century
A81-151026	A75-204018 x Century
A83-271027	S1492 x A3127
A85-182007	Vinton 81 x Hardin
A86-104011	A80-244036 x A80-344003
A86-186011	AP9 populations
A86-204022	Hack x Zane
A87-187020	Jacques J103 x A81-151026
A89-144026	Jacques J231 x A8
A91-613001	AX4735 x HP202
A91-613019	AX4739 x HP203
A91-613026	AX4741 x HP204
A91-613029	AX4742 x HP201
A92-535059	Asgrow A2187 x [(A87-186011 x DSR 252) x A87-187020]
A92-627030	Kenwood x Asgrow A3205
A94-572028	(NK S19-90 x Bell) x A89-144026
A94-674017	Pioneer P9303 x Kenwood
A95-484015	IA3001 x A91-613026
A95-484031	A91-613026 x A91-613029
A95-484041	A91-613001 x A91-613026
A95-484043	A91-613001 x A91-613026
A95-589009	IA2017 x (Pioneer 9303 x A91-613019)
A96-492041	Northrup King S24-92 x Northrup King S19-90
A97-770012	NK S20-20 x Asgrow A2234
A94-770016	A90-314041 x IA2012
A97-770031	A92-535059 x Pioneer P9273
A97-770051	Pioneer 9273 x (A92-535059 x IA1006)
A97-771039	A92-627030 X ORC 9205
A97-871009	NK S20-20 x (A92-535029 x IA20121)
A99-112003	IA2017 x IA2042
A99-112033	IA2017 x A95-484041
A99-112034	A95-484015 x IA3011
A99-113038	A95-484043 x A95-589009
A99-212014	IA2017 x IA2042
A99-213052	IA3006 x IA3011
A99-215025	IA3011 x (A95-484041 x A92-627030)
A99-215030	IA2034 x IA2042
A99-312006	IA2034 x A95-484031

IDENTIFICATION OF PARENT STRAINS 2004

Strain	Parentage
A99-312009	IA2034 x IA2042
A99-312028	IA2034 x A95-484031
A99-312052	IA3011 x (A95-484041 x A92-627030)
AP1953	
AP68-1016	Clark (5) x PI 84.946-2
Asgrow A1564	Hark x C1453
Asgrow A1937	Hodgson x L72-1419
Asgrow A2187	
Asgrow A2234	[(Callandx Amsoy) x Century (3)] x Williams 82
Asgrow A2396	
Asgrow A2943	Asgrow 1564 x Asgrow A3127
Asgrow A3127	Williams x Essex
Asgrow A3205	Northrup King S 1474 x Asgrow A3 127
Asgrow A3427	X3826 x Asgrow A3127
Asgrow A3733	Elf x Asgrow A3127
Asgrow A3860	Williams x Essex
Asgrow A3935	M0474C x Asgrow A3127
Asgrow A4009	Asgrow A3860 x Fayette
Asgrow A4138	Asgrow A4009 x Asgrow A4595
Asgrow A4595	Douglas x Asgrow A3127
Asgrow A5474	(Tracy x D71-6234) x J74-122
Asgrow A5475	(Tracy x d5064) x Bedford
Asgrow A9243	A1564 x A3127
AX4735	HP202 x M81-382
AX4739	Asgrow A2943 x HP204
AX4741	Agripro 2190 x HP204
AX4742	Asgrow A2943 x HP201
AX56P64-1	Adams x Harosoy
C1079	Lincoln x Ogden
C1253	Blackhawk x Harosoy
C1266R	Harosoy x C1079
C1453	C1266R x C 1253
C1963	HC86-4367 x HS88-4909
CM497	Unknown
CX252	Harsoy x C0179
D5064	Unknown
D49-2491	S100 x CNS = sister line of Lee
D61-2624	D49-2491(4) x PI 171.862
D61-3505	D49-2491(2) x PI 171.862
D66-7398	D61-3505 x (PI 96.035 x D61-2624)
D68-18	Dyer x Bragg
D71-6234	D66-7398 x PI 95.560
D77-5169	Centennial x J74-47
Dairyland DSR-304	Williams x Unknown
Dairyland DSR-365	
Dairyland DSR-365	Unknown
Dairyland 88504-11	Unknown
Dairyland 94197	Unknown
Dekalb 411	
Dekalb 420c	
Dekalb BC 445	
DPL 3478	
E84108	Sprite x Hardin
E86237	Prosoy PS104 x HW8028

IDENTIFICATION OF PARENT STRAINS 2004

Strain	Parentage
E91031	E84108 x Conrad
E93424	Asgrow A2943 x NK S23-12
E93433	Asgrow A2943 x NK S23-12
E95562	Asgrow A2396 x NK S19-90
GH X-201	Unkown
HC74-634RE	Willaims x Ransom
HC78-350	L72U-2567 x Essex
HC78-676	L70T-543G x L74D-619
HC80-1944	L73U-632 x Elf
HC83-4532	L74D-634 x Hobbit
HC85-604	Sprite x Asgrow A3127
HC85-607	Sprite x Asgrow A3127
HC85-6577	HC78-350 x HC78-676
HC85-6723B	HC74-634RE x HC78-676
HC86-4367	Asgrow A3127 x Sprite 87
HC89-2237	HC80-1944 x Asgrow A3127
HC91-1354	Hobbit x Conrad
HC91-3672	HC83-4532 x Resnik
HC93-21PR	Charleston (6) x Hobbit 87
HS93-4118	IA2007 x Dairyland DSR 304
HC94-62PR	Charleston (6) x Hobbit 87
HC94-69PR	Charleston (6) x Hobbit 87
HC94-81PR	Charleston (6) x Sprite 87
HC94-82PR	Charleston (6) x Hobbit 87
HC94-85PR	HC85-606 (4) Hobbit 87
HC94-600	Kenwood x [Hoyt (6) x Sprite 87]
HF93-194	HM8734 x Chapman
HM8734	A78-123018 (2) x Century 84
HS84-6224	HW79015 x HW79149
HS88-4906	Conrad x Hayes
HS88-4909	Conrad x Hayes
HS88-7363	F2 progenitor of Kottman = Voris 311 x Resnik
HS88-4988	Winchester x A83-271027
HS90-37100	HS84-6224 x Conrad
HS94-4530	sister line of Kottman = HS88-7363 x HS88-4988
HS94-4533	sister line of Kottman = HS88-7363 x HS88-4988
HS94-9053	P9268-03 x Vertex
HS96-3332	Parker x HS90-37100
HS97-5261	HS94-4530 x IA 3004
HW79015	A72-512 x Oakland
HW79149	(A72-507(6) x A1) x (A72-507(5) x PI82.263.2)
HW79015	A72-512 x Oakland
HW8028	A75-10521 x Centry
IVR 1120	Provar x (AX56P64-1 x PI 191.110-1)
IRV Ex4731	Amsoy x Wayne
J74-47	Forrest (2) x (D68-18 x PI 88.788)
Ja 53-7-6	Selection from Japanese variety
Jacques J103	Clay x Williams
Jacques J231	(Hodgson x Calland) x Corsoy
K1044	Tracy x Williams
K1235	Hutcheson x Asgrow A3427
K1277	Hutcheson x Asgrow A3966
KG20	McCall x 2S11
K74-114-75-00	Tracy x Bonus

IDENTIFICATION OF PARENT STRAINS 2004

Strain	Parentage
K97-34	K1235 x RR
K97-35	KY91-1352 x RR
K97-132	K1235 x K97-34
K97-136	KS3494 x K97-35
KY84-1616	K1044 x Williams
KY91-1352	Souther States SS391 x KY84-1616
Land O'Lakes 4102	Land O Lakes Max [Wayne x (Clark x Adams)] x Cutler
L1-5	Century (5) x PI 408.251
L15	Wayne (6) x Clark 63
L57-0035	Clark x Adams
L62-1926	Clark (2) x PI 86.024
L65-1342	Wayne (2) x L62-1926
L66L-140	Wayne x L57-0035
L69-4143	[L15(5) x ((Clark(6) x T201) x (clark(6) x T145))] x (Wayne(10)x Kanrich
L70-2283	Custer x Chippewa
L70T-543	L15 x Amsoy 71
L70T-543G	From L70T-543
L72-1419	L15 x Wayne (10) x Kanrich
L72U-2567	Williams x Ransom
L73U-632	Miller 67 x L66L-140
L74D-619	Williams x Ransom
L74D-634	Williams x Ransom
L75-8020	Williams x L70-2283
L77-443	Union x L75-8020
L77-906	Williams x PI 209.332
L77-994	Williams (2) x PI 88.788
LG84-1291	PI 68.522 x Hobbit
LG85-3343	F5 PI 361.064 x PI 407.710
LG86-2734	PI 424.195B x PI 361.066A
LG86-6989	PI 253.665D x PI 283.331
LG87-429	PI 297.544 x Pi 290.126B
LG87-1991	PI 189.930 x PI 68.600
LG91-6859	LG87-429 x Zane
LG92-1255	LG84-1291 x Asgrow A3127
LG93-7654	LG86-2734 x Asgrow A3205
LG93-7780	LG86-6989 x Asgrow A3205
LG94-1128	LG85-3343 x LG87-1991
LN81-1029	K74-114-75-00 x Pella
LN86-4668	Fayette x Hardin
LN88-10534	LN81-1029 x asgrow A2943
LN90-4524	LN86-4668 x Asgrow A3733
LN94-10470	Jack x Hartwig
LNx96017	Jack x Resnick RR
LS92-0185	Pharaoh x Avery
LS92-3660	Resnik x Asgrow A5474
LS92-4173	Flyer x Pyramid
LS93-0232	Asgrow A3935 x Pioneer P9402
LS93-0375	Asgrow A3935 x Pioneer P9403
LS94-3207	Asgrow A3935 x Pioneer P9404
M0474C	White-flowered off type in Mitchell
M10	Lincoln (2) x Richland
M319W	Lincoln x Hawkeye
M402	Renville x Cappital
M42-37	Lincoln (2) x Richland

IDENTIFICATION OF PARENT STRAINS 2004

Strain	Parentage
M53-117	M10 x PI 180.501
M54-110	Harosoy x Norchief
M54-139	Renville x Capital
M54-240	Korean x M42-37
M59-120	M54-240 x M54-139
M61-21	Merit x Comet
M61-224	Merit x Harosoy
M62-263	Grant x M319W
M63-17	M402 x M54-110
M63-217Y	Corsoy x M53-117
M66-30	Magna x M61-20
M68-49	Evans x M59-120
M68-49-26	Evans x M59-120
M68-256	Evans x Steele
M69-20	Merit x Clay
M70-127	Evans x M63-217Y
M70-294	Ja 53-7-6(PI 358.323 x M63-217Y)
M71-148	Clay x Evans
M72-3	Evans x Hodgson
M73-62	M61-224 x PI297.518
M74-23	M68-49 x Hodgson
M74-179	M68-256 x Clay
M74-227	M68-49 x M63-194
M74-337	Evans x Northrup King 9436
M74-394	Hodgson x Wells
M75-274	Evans x L70T-543
M76-65	M69-20 x McCall
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
M82-559	Vickery x Century
M82-996	M72-3 x Peterson 1677
M83-16	A2 x Hodgson 78
M83-64	M74-227 x L78-189
M83-727	M73-62 x Simpson
M83-766	Evans x M74-394
M84-93	M71-148 x Ozzie
M84-748	M75 -274 x M76-151
M85- 52	M73-62 x Simpson
M85-122	M74-179 x M77-75
M85-933	Fayette x McCall
M86-421	M74-23 x Gnome
M85-564	M74-337 x M74-23
M86-918	Jacques J103 x Ozzie
M86-2337	Evans x Asgrow A1937
M87-135	Sibley x Hack
M89-1665	Cartter x M85-933
M90-370	M81-27 x M83-16
M90-137050	M87-332 x Maple Ridge
M90-162034	Burlison x M84-93
M90-239130	M85-122 x Lambert
M90-178161	M85-23 x A20
M90-249010	M86-2337 x M86-918

IDENTIFICATION OF PARENT STRAINS 2004

Strain	Parentage
M91-564	Ozzie x M86-421
M91-821	M83-766 x Leslie
M91-895	M81-27 x M85-52
M91-1087	M82-559 x Kato
M91-1137	Kasota x Kentwood
M91-1416	M83-727 x A86-104011
M91-103023	Dawson (Dawson x Bell)
M91-116124	Faribault x Archer
M91-163126	E86-237 x M87-135
M91-166056	IA2008 x Bert
M91-198009	Toyopro x Kato
M92-836	M85-564 x Kato
M92-1645	Fairbault x Bell
M92-1651	Faribault x PI 437654
M94-246152	Lambert x M92-1651
M96-136-20	ND(M)90-370 (2) x Resnick BC2F2 RR
M96-133019	Lambert (2) x Resnick BC2F2 RR
M96-133030	Lambert (2) x Resnick BC2F2 RR
M96-133047	Lambert (2) x Resnick BC2F2 RR
Md92-5850	Hamilton x Bass
Md95-5358	S88-19561 x Corisca
MYC B2275	Unknown
M0385	IVR 1120 x Calland
MSBP6S4	Male-sterile intermated population
ND88-800	Maple Amber x Evans
ND(M)90-370	M81-27 x M83-16
ND(M)91-895	M81-27 x M85-52
ND92-2381	M83-64 x Pioneer 9061
ND93-5849	KG20 x Maple Donovan
ND93-6247	Pioneer 9061 x Evans
ND95-931C(RR)	Barnes*3 x (Council x Resnik(RR))
ND95-952	ND88-800 x Pioneer 9061
ND95-958	ND88-800 x Pioneer 9062
ND99-2169	M91-564 x Pioneer 9092
ND99-2621	M91-564 x Pioneer 9092
ND99-3315	M91-564 x ND93-5849
ND99-N2282	ND93-5849 x Pioneer 9004
ND00-2756	M91-895 x ND93-5849
ND00-2761	M91-895 x ND93-5849
ND00-2763	M91-895 x ND93-5849
ND00-2765	M91-895 x ND93-5849
ND00-2774	M91-895 x ND93-5849
Northrup King 9436	Corsoy x Wayne
Northrup King S1346	A55-5629-4 x PI 257.435
Northrup King S1474	Hark x Wayne
Northrup King S1492	Corsoy x Wayne
Northrup King S19-90	Pride B 152 x Pella
Northrup King S23-12	Pride B152 x CM497
Northrup King S20-21	
Northrup King S24-92	Asgrow A3 127 x [(IVR 1120 x Calland) x (Mitchell x Cutler 71)]
Northrup King S46-44	Asgrow A5474 x Asgrow A3127
OAC 97-11	OAC Auburn x M84-748
OT92-8	Baron x Maple Donovan
ORC9201	Conrad x RCAT Alliance

IDENTIFICATION OF PARENT STRAINS 2004

Strain	Parentage
ORC9205	Conrad x RCAT Alliance
OT91-3	[(Maple Presto x Evans) x OX611]
OX611	Unknown
OXR-96201	(Harosoy x PI 567.642A) x Flint
P9268-003	PI 92718-2 x 9271
Peterson 85	Provar x [Amsoy x PI 248.404]
Pioneer P1677	Rampage x Corsoy (2)
Pioneer P9004	Maple Ridge x Lakota
Pioneer P9061	Wells x Pioneer P1677
Pioneer P9071	Pioneer P9061 x Pioneer P9181
Pioneer P9091	Peterson 85 x P1677
Pioneer P9092	Pioneer P9061 x S15-50
Pioneer P1963	
Pioneer P9181	Beeson x Williams
Pioneer P9271	(Corsoy x Magna) x Williams
Pioneer P9273	Pioneer P2981 x Asgrow 3127
Pioneer P9281	Hark x (Corsoy x Calland)
Pioneer P9303	Pioneer P2981 x M0835
Pioneer P9352	
Pioneer P9381	(Essex x L69-4143) x Sprite
Pioneer P9402	(L77-994 x Asgrow A3127) x L77-994
Pioneer 91B01	Asgrow A2234 x P9061
Pioneer 93B82	Unknown
Pioneer XB28V99	
Pride B152	Northrup King S 1346 (6) x Mack
Pride B216	Corsoy x Wayne
Resnick RR	F2 plant of Resnick (3) x 40-3-2
40-3-2	Monsanto transformed glyphosate line.
RCAT 9201	Conrad x RCAT Alliance
RCAT 9709	PS42 x Conrad
S10	Unknown
S1492	Corsoy x Wayne
S15-50	(Mack x Corsoy x B216(2)) x (S1492 x Lee 74)
S86-4499	L77-443 x L77-906
SD1081RR	Hendricks (4) x Resnick RR
SD91(M)91-1574	L1-5 x Glenwood
SD92-1323	Kasota x Kato
SD92(M)-1233	A86-204022 x Kato
SD93-490	Glenwood x Jack
SD93-522	Turner
SD93-828	Parker x Archer
SD93-828R	SD93-828(4) x Resnick RR
SD93-851	Parker x Archer
SD93-954	Kasota x Kato
SD93-1037	Parker x Sibley
SD93-1037RR	SD93-1037(4) x Resnick RR
SD93-1040	Parker x Sibley
SD93-1043	Parker x Sibley
SD93-1387	Archer x Hodgson 78
SD93(M)-256	Kato x A17
SD93-522RR	Turner (5) x Resnick RR
SD94-27	Sturdy x Sibley
SD94-57	Simpson x Elgin 87
SD94-238	Lambert x PI 437.666

IDENTIFICATION OF PARENT STRAINS 2004

Strain	Parentage
SD94-461	Glenwood x Jack
SD94-477	Glenwood x Jack
SD94-782	ORC 9002 x Agassiz
SD94-808	Parker x Archer
SD94-1276	Sturdy x PI 153.296
SD94-1467	Archer x Glenwood
SD94-1480	Archer x Glenwood
SD94-1520	Archer x BSR 101
SD96-170	IA2008 x HS88-4909
SD96-2156	Parker x SD(M)91-1574
SL91-564	Ozzie x M86-421
SL91-895	M81-27 x M85-52
SL91-564	Ozzie x M86-421
SL91-895	M81-27 x M85-52
SS-19561	Forrest (3) x PI 437645
U94-2306	Holt x Dairyland DSR 304
U95-2418	Male sterile intermated population.
U95-3231	MSBP1 male sterile population.
UP1Fe (S1) C6-47	S1 line intermated population
UP3YC1S3	Intermated population
Voris 311	S10 x Mitchell
059-903	PI 438471
2S11	059-903 x Hardome
40-3-2	Monsanto transformed glyphosate line.

2004 UNIFORM AND PRELIMINARY TEST LOCATIONS

Location	Tests Conducted By:	Uniform Tests						Preliminary Tests					Uniform Tests RR					Prelim. RR	
		00	0	I	II	III	IV	0	I	II	III	IV	0	I	II	III	IV	0	II
AR	Fayetteville	T. Ishibashi/Chen	X	X	X	X								X	X	X			
	Keiser	T. Ishibashi/Chen	X	X															
	Pinetree	T. Ishibashi/Chen			X	X	X	X											
	Rohwer	T. Ishibashi/Chen			X	X	X	X											
DE	Georgetown	B. Uniatowski					X												
	Middletown	B. Uniatowski															X		
IA	Ames	W. Fehr			X	X	X		X	X	X								
	Carlisle	W. Fehr					X				X								
	Oelwein	W. Fehr			X				X										
	Rippey	W. Fehr				X				X									
IL	Belleville	M. Schmidt					X					X						X	
	Dekalb	B. Diers				X													
	Dwight	B. Diers				X													
	Harrisburg	M. Schmidt					X					X						X	
	Newton	B. Diers				X	X												
	Urbana	B. Diers			X	X	X			X	X	X			X	X	X		X
IN	Lafayette	W. Crochet/S. Abney			X	X	X	X	X	X	X	X		X	X	X	X		X
	Butler	W. Crochet/S. Abney					X	X			X	X				X	X		
	Wanatah	W. Crochet/S. Abney			X	X	X							X	X	X			X
KS	Ashland	W. Schapaugh Jr.					X	X			X	X				X	X		
	Manhattan	W. Schapaugh Jr.					X	X								X	X		
	Ottawa	W. Schapaugh Jr.														X	X		
KY	Lexington	T. Pfeiffer					X					X						X	
MB	Morden	A. Sloan	X																
MD	Queenstown	W. Kenworhty / P. Cregan					X	X				X						X	
MI	Ingham Co.	D. Wang / J. Boyse			X	X			X	X				X	X				X
	Lenawee Co.	D. Wang / J. Boyse				X													
	Saginaw Co.	D. Wang / J. Boyse			X														
	Grand Traverse Co.	D. Wang / J. Boyse											X						
	Montmorency Co.	D. Wang / J. Boyse											X						
MN	Crookston	J. Orf	X																
	Lamberton	J. Orf			X	X			X					X					
	Moorhead	J. Orf	X																
	Morris	J. Orf			X				X					X					X
	Rosemount	J. Orf			X				X					X					X
	Shelly	J. Orf	X																
	Waseca	J. Orf			X	X			X					X					

2004 UNIFORM AND PRELIMINARY TEST LOCATIONS

Location	Tests Conducted By:	Uniform Tests						Preliminary Tests					Uniform Tests RR					Prelim. RR			
		00	0	I	II	III	IV	0	I	II	III	IV	0	I	II	III	IV	0	II		
MO	Columbia	D. Slepser					X	X											X	X	
	Portageville (Clay)	G. Shannon					X	X											X	X	
	Portageville (Loam)	G. Shannon	X	X	X	X	X	X					X						X	X	
NE	Beemer	G. Graef / L.Korte			X	X			X	X	X								X		
	Cotesfield	G. Graef / L.Korte			X	X			X	X	X								X		
	Goehner	G. Graef / L.Korte			X	X	X		X	X	X	X							X	X	
	Lincoln	G. Graef / L.Korte																			
	Plymouth	G. Graef / L.Korte					X					X							X		
	Tekamah	G. Graef / L.Korte					X					X							X	X	
ND	Casselton	T. Helms	X	X					X											X	
	Northwood	T. Helms	X																		
OH	Hoytville	R. Fioritto				X	X			X	X										
	Wooster	R. Fioritto				X	X									X	X			X	
	St. Charleston	S. St. Martin					X	X				X	X					X	X		
ONT	Beachburg	E. Cober	X																		
	Chatham	G. Ablett			X	X										X				X	
	Dundalk	I. Rajcan	X																		
	Elora	I. Rajcan	X																		
	Harrow	V. Poysa				X				X											
	Ottawa	E. Cober		X					X						X					X	
	Palmyra	G. Ablett								X											
	St. Pauls	I. Rajcan		X																	
	Talbotville	I. Rajcan			X					X											
	Woodstock	I. Rajcan		X					X												
QUE	Saint Bruno	G. Tremblay	X	X					X	X					X	X				X	
		P. Turcotte																			
SD	Arlington	R. Scott													X						
	Beresford	R. Scott														X				X	
	Brookings	R. Scott		X	X	X			X	X	X				X	X	X			X	X
	Sinai	R. Scott													X	X					
	Watertown														X	X				X	
TN	Jackson	P. Arelli												X						X	
WI	Arlington	J. Lauer / M. Martinka		-	-	-															
X	Location With Agronomic Data		12	11	18	23	21	17	10	13	11	11	11	11	10	14	15	16	7	8	
X	Location With Seed Composition Data		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
*	No data submitted due to flooding.																				

2004 DISEASE, SHATTERING, AND DESCRIPTIVE DATA

Location		Tests Conducted By:	Tests	UT	PT	UT RR	PT RR
AR	Fayetteville	T. Ishibashi/Chen	Green Stem	00-II		0-II	
	Pine Tree	T. Ishibashi/Chen	Green Stem	I, III, IV			
IA	Humboldt	W. Fehr/K. Scholbrook	Chlorosis	I-III	I-III		
IL	Paris	J. Klein, C. Schmidt	SDS	I-II			
	Ursa	J. Klein, C. Schmidt	SDS	I-II			
	Carmi	J. Klein, C. Schmidt	SDS	III-IV			
	Valmayer	J. Klein, C. Schmidt	SDS	III-IV			
IN	Lafayette	S. Abney	PS	I-IV	I-IV	I-IV	II
	Lafayette	S. Abney	FE	I-IV	I-IV	I-IV	II
	Lafayette	S. Abney/W. Crochet	PR 4 & PR 7	00-IV	I-IV	I-IV	0,II
	Lafayette	W. Crochet	Descriptive Code	00-IV	I-IV	I-IV	0,II
	Lafayette	W. Crochet	Green Stem	II-III		III-IV	
	Wanatah	W. Crochet	Green Stem	II		II	II
	Sepac	W. Crochet	Green Stem		IV		
MN	Wilkins Co.	J.H. Orf	Fe Chlorosis	00-IV	0-I	0,I	0
MO	Portageville	G. Shannon	FE Score		IV		
ND	Casselton	T. Helms	Fe Chlorosis	00-0	0	0	0
ONT	Harrow	V. Poysa/B. Armstrong	Green Stem		II		II
KS	Manhattan	W. Schapaugh, Jr.	Shattering Score	00-IV	0-IV	0-IV	0,II
QUE	Saint Bruno	G. Tremblay	Green Stem	00-I	0-I	0-I	0-I
TN	Jackson	P. Arelli/L. Fritz	Green Stem		IV		

Uniform Test 00, 2004

Ent.	Strain	Parentage	Previous Testing	Generation Composited	Unique Traits
1.	MN0071	Harmony x OT92-8	4	F5	Rps1
2.	Jim	Sigco KG20 x M81-18	4	F5	
3.	Glacier	McCall x Altona	8	F4	Rps6
4.	Traill (0)	M82-996 x Sigco KG20	9	F5	
5.	M97-104145	ND(M)90-370 X Glacier	PT0	F5	Rps6
6.	M97-121030	MN0302 x 9004	1	F5	Rps1k
7.	M98-101137	M90-137050 x Traill	1	F4	Rps1 Chlorosis
8.	M98-211046	MN0302 x Daksoy	new	F5	Rps1k
9.	ND99-3315	SL91-564 x ND93-5849	1	F5	Rps4
10.	ND99-N2282	ND93-5849 x Pioneer 9004	new	F4	Rps4
11.	ND01-1047	ND95-952 x Pioneer 9004	new	F4	Rps6
12.	ND01-1687	Pioneer 9092 x ND95-958	new	F4	Rps6
13.	ND01-1690	Pioneer 9092 x ND95-958	new	F4	Rps6
14.	ND01-3384	Pioneer 91B01 x Surge	new	F4	Rps1k
15.	ND01-4249	Pioneer 9092 x ND95-958	new	F4	Rps6
16.	OAC 03-04	(KG20 x OAC Exeter) x OAC Walton	new	F5	
17.	OAC 03-07	(KG20 x OAC Exeter) x OAC Walton	new	F5	

UNIFORM TEST 00, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Fe Chlorosis Score		Green Stem Score		Shattering Score	PR Lafayette	
		Wilkin Co.	Casselton	Fayetteville	St. Bruno	Manhattan	Race	Race
		MN	ND	AR	Que	KS	4	7
MN0071	PTBDYBrI	3.8	3.0	1.0	1.0	1.0	R*	R*
Jim	PGBDYI	3.7	3.0	1.0	1.5	1.0	S	S
Glacier	PTBDYI	3.7	3.3	1.0	1.0	1.0	S*	S
Traill (0)	PTBIYI	3.4	2.3	1.0	2.5	1.0	H	R
M97-104145	PGBDYI	3.9	3.0	1.0	1.5	2.0	R	R*
M97-121030	PGTDYBrI	3.3	3.3	1.0	1.0	2.0	R	R
M98-101137	PTBIYI	3.7	1.7	1.0	2.0	2.0	S	S
M98-211046	PGBDYI	3.1	2.3	1.0	2.0	2.0	R	R
ND99-3315	PGBDYI	3.8	2.3	1.0	1.0	1.0	S	R
ND99-N2282	PGBSYI	3.3	1.7	1.0	1.0	1.0	R	R
ND01-1047	PGBDYI	3.7	2.3	1.0	1.0	2.0	H	H
ND01-1687	PGBDYI	4.0	2.7	1.0	2.0	2.0	R	S
ND01-1690	PGBDYLGr+YI	3.9	2.0	1.0	2.0	2.0	R	R*
ND01-3384	PGTDYIbI	4.1	2.0	1.0	1.5	1.0	R	R
ND01-4249	PGBDYLGr+YI	4.1	3.0	1.0	1.0	2.0	R	R*
OAC 03-04	PTTDYI	3.9	2.0	1.0	1.0	2.0	S	S
OAC 03-07	PTTDYBrI	3.8	2.0	1.0	2.0	2.0	S	S

* = entry/*Phytophthora sojae* race reaction questionable.

UNIFORM TEST 00, 2004

REGIONAL SUMMARY

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant	Seed	Seed	Composition	
	6 bu/a	6 No.	8 Date	9 Score	9 In	8 g/100	8 Score	5 Protein %	5 Oil %
MN0071	33.3	3	9/23	1.6	27	16.0	1.5	41.6	19.2
Jim	34.7	1	0.5	1.5	24	15.9	1.5	41.9	17.7
Glacier	30.2	11	3.8	1.4	25	16.0	1.5	42.6	18.4
Traill (0)	33.2	4	4.4	1.6	25	16.0	1.6	42.9	18.0
M97-104145	29.1	16	9.3	1.5	25	15.6	1.9	41.6	18.7
M97-121030	26.4	17	5.4	1.4	26	12.6	1.6	43.3	17.9
M98-101137	30.2	11	7.0	1.4	26	16.5	1.8	43.8	17.8
M98-211046	31.2	9	7.3	1.6	28	14.6	1.6	42.1	17.8
ND99-3315	29.4	15	1.0	1.5	23	15.3	1.8	43.9	17.6
ND99-N2282	30.2	11	-2.9	1.7	24	15.0	1.5	42.0	18.7
ND01-1047	31.4	8	4.5	1.5	26	12.9	1.9	41.9	18.6
ND01-1687	32.2	6	9.4	1.1	24	14.7	2.1	41.1	20.0
ND01-1690	32.7	5	10.1	1.2	26	12.5	2.1	40.0	20.0
ND01-3384	30.7	10	11.5	1.4	26	16.7	2.1	42.9	18.5
ND01-4249	33.8	2	5.5	1.3	26	11.9	2.0	39.8	19.7
OAC 03-04	31.7	7	1.1	1.5	27	19.9	1.6	41.6	18.4
OAC 03-07	29.6	14	1.5	1.5	26	19.9	1.4	42.1	19.1

121.7 Days After Planting

UNIFORM TEST 00, 2004**2003-2004 2-YEAR MEAN**

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	<u>Composition</u>	
	15 bu/a	15 No.	17 Date	18 Score	18 In.	15 g/100	15 Score	Protein 10 %	Oil 10 %
MN0071	36.1	3	9/17	1.5	28	16.2	1.5	40.7	20.3
Jim	37.8	1	0.6	1.5	25	16.7	1.4	41.3	18.9
Glacier	34.5	4	2.9	1.4	26	15.7	1.5	41.6	19.3
Traill (0)	26.4	7	7.1	1.5	25	15.9	1.7	42.0	19.3
M97-121030	33.7	5	4.2	1.4	27	13.6	1.6	42.3	19.1
M98-101137	36.6	2	6.7	1.5	28	16.1	1.8	42.7	18.9
ND99-3315	32.8	6	2.8	1.6	25	15.8	1.7	42.7	19.3

115.9 Days After Planting

2002-2004 3-YEAR MEAN

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	<u>Composition</u>	
	23 bu/a	23 No.	25 Date	26 Score	26 In.	22 g/100	21 Score	Protein 15 %	Oil 15 %
MN0071	36.3	2	9/13	1.4	28	16.2	1.6	40.6	20.4
Jim	37.9	1	1.2	1.4	26	16.7	1.4	41.2	18.9
Glacier	35.6	3	3.1	1.6	26	15.7	1.5	41.6	19.2
Traill (0)	31.2	5	6.7	1.5	26	16.2	1.6	41.9	19.4
ND99-3315	34.3	4	3.5	1.5	25	16.3	1.7	42.5	19.6

114.7 Days After Planting

UNIFORM TEST 00, 2004

YIELD (bu/a)

Strain	Mean 6 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morden* Man**	Crookston MN	Moorhead* MN	Shelly* MN
MN0071	33.3	55.4	7.9	48.9	25.7	15.5	13.0
Jim	34.7	64.7	9.5	28.0	31.1	10.6	12.5
Glacier	30.2	60.6	5.9	36.3	28.1	9.8	11.8
Traill (0)	33.2	55.9	5.1	32.2	29.3	10.1	16.5
M97-104145	29.1	50.5	5.0	13.5	28.0	4.7	13.1
M97-121030	26.4	46.2	3.6	34.8	29.1	10.3	11.1
M98-101137	30.2	49.4	4.6	8.8	20.0	8.2	11.1
M98-211046	31.2	48.5	7.5	12.8	30.3	7.1	10.3
ND99-3315	29.4	60.1	9.6	41.1	24.3	10.3	11.9
ND99-N2282	30.2	57.3	4.3	51.5	25.4	11.2	13.7
ND01-1047	31.4	54.2	4.6	18.2	28.1	13.1	12.3
ND01-1687	32.2	51.3	4.5	8.2	26.5	7.1	12.5
ND01-1690	32.7	55.4	7.5	27.8	26.3	5.9	9.3
ND01-3384	30.7	58.1	7.4	27.6	27.8	4.9	8.1
ND01-4249	33.8	52.3	15.6	19.8	27.6	9.3	14.9
OAC 03-04	31.7	61.2	1.8	44.0	30.8	8.9	14.6
OAC 03-07	29.6	62.4	1.1	49.2	29.0	5.2	10.6
**Killing Frost: Oct: 4							
C.V. (%)		5.0	19.2	10.9	18.8	22.3	28.0
L.S.D. (5%)		5.0	2.3	5.6	8.5	3.4	5.9
Row Sp. (in.)		7.5	6.5	8	10	10	10
Rows/Plot		7	9	5	8	10	10
Reps		3	3	2	3	3	3

*Data not included in mean.

UNIFORM TEST 00, 2004

YIELD (bu/a)

Strain	Casselton* ND	Northwood ND	Beachburg Ont.	Dundalk Ont.	Elora Ont.	St. Bruno Montarville Que.
MN0071	17.8	41.0	34.6	49.2	54.1	49.0
Jim	20.6	42.9	36.3	56.4	55.6	46.1
Glacier	11.9	35.0	27.3	46.6	49.8	51.5
Traill (0)	22.1	41.5	30.0	45.0	55.4	48.9
M97-104145	15.5	34.0	28.0	37.2	53.4	48.0
M97-121030	14.3	19.6	24.9	32.2	49.1	47.0
M98-101137	17.0	38.3	29.5	45.3	53.3	49.4
M98-211046	21.9	36.8	33.1	30.6	58.3	52.0
ND99-3315	16.9	36.2	28.4	43.4	48.3	45.0
ND99-N2282	17.3	35.8	27.8	50.3	47.0	43.7
ND01-1047	16.0	40.9	32.7	35.0	49.8	54.4
ND01-1687	15.6	48.0	34.8	33.4	57.6	54.2
ND01-1690	27.0	44.8	34.1	33.0	56.7	57.3
ND01-3384	26.3	43.9	34.8	17.0	56.3	57.6
ND01-4249	23.2	45.4	32.4	43.5	55.7	51.8
OAC 03-04	18.6	37.7	27.2	46.0	49.6	52.2
OAC 03-07	13.5	34.8	33.4	41.7	48.7	49.1
C.V. (%)	23.5	6.1	8.2	6.7	4.2	7.9
L.S.D. (5%)	7.5	4.1	4.8	6.2	3.8	8.5
Row Sp. (in.)	30	30	8	14	14	7
Rows/Plot	4	4	6	4	4	5
Reps	3	3	3	2	3	2

UNIFORM TEST 00, 2004

YIELD RANK

Strain	Yield Rank	Fayetteville* irrigated AR	Keiser* irrigated AR	Morden Man	Crookston MN	Moorhead MN	Shelly MN
MN0071	3	9	4	3	14	1	6
Jim	1	1	3	9	1	4	7
Glacier	11	4	8	6	7	8	11
Traill (0)	4	8	9	8	4	7	1
M97-104145	16	14	10	14	9	17	5
M97-121030	17	17	15	7	5	5	12
M98-101137	11	15	11	16	17	11	12
M98-211046	9	16	5	15	3	12	15
ND99-3315	15	5	2	5	16	5	10
ND99-N2282	11	7	14	1	15	3	4
ND01-1047	8	11	11	13	7	2	9
ND01-1687	6	13	13	17	12	13	7
ND01-1690	5	9	5	10	13	14	16
ND01-3384	10	6	7	11	10	16	17
ND01-4249	2	12	1	12	11	9	2
OAC 03-04	7	3	16	4	2	10	3
OAC 03-07	14	2	17	2	6	15	14

*Data not included in mean.

UNIFORM TEST 00, 2004

YIELD RANK

Strain	Casselton ND	Northwood ND	Beachburg Ont.	Dundalk Ont.	Elora Ont.	St. Bruno Montarville Que.
MN0071	8	7	4	3	8	11
Jim	6	5	1	1	6	15
Glacier	17	14	15	4	11	8
Traill (0)	4	6	10	7	7	12
M97-104145	13	16	13	11	9	13
M97-121030	15	17	17	15	14	14
M98-101137	10	9	11	6	10	9
M98-211046	5	11	7	16	1	6
ND99-3315	10	12	12	9	16	16
ND99-N2282	9	13	14	2	17	17
ND01-1047	12	8	8	12	11	3
ND01-1687	13	1	3	13	2	4
ND01-1690	1	3	5	14	3	2
ND01-3384	2	4	2	17	4	1
ND01-4249	3	2	9	8	5	7
OAC 03-04	7	10	16	5	13	5
OAC 03-07	16	15	6	10	15	10

UNIFORM TEST 00, 2004

MATURITY (date)

Strain	Mean 8 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morden Man	Crookston** MN	Moorhead* MN	Shelly MN
MN0071	9/23	7/31	7/22		9/25		9/29
Jim	0.5	3	6		2		1
Glacier	3.8	0	-2		9		3
Traill (0)	4.4	1	5		9		3
M97-104145	9.3	0	8		9		8
M97-121030	5.4	-4	2		10		3
M98-101137	7.0	1	6		10		4
M98-211046	7.3	-2	4		8		6
ND99-3315	1.0	1	8		3		5
ND99-N2282	-2.9	-1	-2		-1		-1
ND01-1047	4.5	-3	7		2		6
ND01-1687	9.4	-1	4		8		10
ND01-1690	10.1	-1	8		8		12
ND01-3384	11.5	3	-1		13		12
ND01-4249	5.5	-2	9		4		6
OAC 03-04	1.1	2	2		1		2
OAC 03-07	1.5	-1	-1		3		2
**Frost June 14.							
Date Planted	5/24	5/6	5/8	5/21	5/10		6/4
Days to Mature	122	86	75		138		117

*Data not included in mean.

UNIFORM TEST 00, 2004

MATURITY (date)

Strain	Casselton** ND	Northwood ND	Beachburg Ont.	Dundalk Ont.	Elora Ont.	St. Bruno Montarville Que.
MN0071	9/20	9/20	9/25	10/2	9/22	9/15
Jim	1	-1	2	-1	1	-1
Glacier	4	5	4	-1	6	0
Traill (0)	9	4	6	2	2	0
M97-104145	12	13	9	7	10	6
M97-121030	8	11	6	4	2	-1
M98-101137	4	11	7	4	9	7
M98-211046	3	11	7	9	10	4
ND99-3315	2	2	1	-1	-1	-3
ND99-N2282	-9	-2	-1	-5	0	-4
ND01-1047	4	9	5	3	4	3
ND01-1687	17	10	7	9	9	5
ND01-1690	16	11	7	10	11	6
ND01-3384	13	14	9	14	11	6
ND01-4249	13	11	5	0	2	3
OAC 03-04	-1	5	5	-4	0	1
OAC 03-07	7	3	4	-6	0	-1
**Killing frost Oct.5						
Date Planted	5/20	5/18	6/4	5/20	6/4	5/29
Days to Mature	123	125	113	135	110	109

UNIFORM TEST 00, 2004

LODGING (score)

Strain	Mean 9 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morden Man	Crookston MN	Moorhead MN	Shelly MN
MN0071	1.6	1.0	1.0		1.0	1.0	1.0
Jim	1.5	1.0	1.0		1.0	1.0	1.0
Glacier	1.4	3.0	1.0		1.0	1.0	1.0
Traill (0)	1.6	1.3	1.0		1.0	1.0	1.0
M97-104145	1.5	1.0	1.0		1.0	1.0	1.0
M97-121030	1.4	1.0	1.0		1.0	1.0	1.0
M98-101137	1.4	1.0	1.0		1.0	1.0	1.0
M98-211046	1.6	1.0	1.0		1.0	1.0	1.0
ND99-3315	1.5	1.0	1.0		1.0	1.0	1.0
ND99-N2282	1.7	2.5	1.0		1.0	1.0	1.0
ND01-1047	1.5	1.0	1.0		1.0	1.0	1.0
ND01-1687	1.1	1.0	1.0		1.0	1.0	1.0
ND01-1690	1.2	1.0	1.0		1.0	1.0	1.0
ND01-3384	1.4	1.0	1.0		1.0	1.0	1.0
ND01-4249	1.3	1.0	1.0		1.0	1.0	1.0
OAC 03-04	1.5	1.0	1.0		1.0	1.0	1.0
OAC 03-07	1.5	1.3	1.0		1.0	1.0	1.0

*Data not included in mean.

UNIFORM TEST 00, 2004

LODGING (score)

Strain	Casselton ND	Northwood ND	Beachburg Ont.	Dundalk Ont.	Elora Ont.	St. Bruno Montarville Que.
MN0071	1.0	2.7	2.3	1.8	2.3	1.0
Jim	1.0	2.3	2.6	1.8	1.7	1.0
Glacier	1.0	2.0	2.4	1.5	2.0	1.0
Traill (0)	1.0	2.3	2.8	2.4	1.9	1.0
M97-104145	1.0	1.3	3.7	2.0	1.3	1.5
M97-121030	1.0	2.0	2.1	1.9	1.5	1.0
M98-101137	1.0	2.0	2.7	1.5	1.6	1.0
M98-211046	1.0	2.3	3.2	2.2	1.9	1.0
ND99-3315	1.0	2.7	2.7	1.7	1.8	1.0
ND99-N2282	1.0	2.0	3.7	2.5	1.9	1.0
ND01-1047	1.0	2.7	2.9	1.3	1.4	1.0
ND01-1687	1.0	1.0	1.5	1.3	1.0	1.0
ND01-1690	1.0	1.3	2.2	1.2	1.1	1.0
ND01-3384	1.0	1.7	3.0	1.6	1.2	1.0
ND01-4249	1.0	1.7	2.5	1.1	1.0	1.0
OAC 03-04	1.0	1.7	2.8	1.9	2.0	1.0
OAC 03-07	1.0	2.0	2.1	2.1	1.9	1.0

UNIFORM TEST 00, 2004

PLANT HEIGHT (inches)

Strain	Mean 9 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morden Man	Crookston MN	Moorhead MN	Shelly MN
MN0071	27	21	11	34	23	16	20
Jim	24	20	11	30	18	14	17
Glacier	25	22	12	34	20	18	17
Traill (0)	25	19	10	29	21	18	19
M97-104145	25	20	10	38	19	19	17
M97-121030	26	20	10	39	20	17	17
M98-101137	26	19	11	31	24	18	17
M98-211046	28	21	9	38	23	18	18
ND99-3315	23	18	10	29	22	17	16
ND99-N2282	24	21	11	31	20	16	18
ND01-1047	26	19	9	34	21	17	19
ND01-1687	24	18	5	32	20	18	17
ND01-1690	26	16	8	36	24	18	19
ND01-3384	26	22	8	38	23	19	17
ND01-4249	26	19	9	34	20	18	18
OAC 03-04	27	24	11	31	25	17	20
OAC 03-07	26	23	9	32	22	15	20

*Data not included in mean.

UNIFORM TEST 00, 2004**PLANT HEIGHT (inches)**

Strain	Casselton ND	Northwood ND	Beachburg Ont.	Dundalk Ont.	Elora Ont.	St. Bruno Montarville Que.
MN0071	17		33	39	33	29
Jim	19		32	32	29	25
Glacier	18		30	32	29	30
Traill (0)	19		31	35	28	26
M97-104145	16		33	31	28	28
M97-121030	18		31	31	30	27
M98-101137	19		32	37	31	28
M98-211046	22		36	36	36	25
ND99-3315	18		27	31	27	21
ND99-N2282	17		30	34	27	25
ND01-1047	18		32	33	29	29
ND01-1687	17		30	33	28	25
ND01-1690	18		31	37	29	22
ND01-3384	20		33	31	29	26
ND01-4249	20		32	29	31	30
OAC 03-04	21		32	37	28	30
OAC 03-07	20		33	34	29	30

UNIFORM TEST 00, 2004

SEED SIZE (g/100)

Strain	Mean 8 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morden Man	Crookston MN	Moorhead MN	Shelly MN
MN0071	16.0	14.9			15.5	12.7	14.9
Jim	15.9	16.0			15.1	13.2	14.1
Glacier	16.0	14.3			13.7	12.4	13.1
Traill (0)	16.0	15.5			15.2	11.8	13.9
M97-104145	15.6	15.4			14.9	13.5	13.4
M97-121030	12.6	12.1			12.9	10.4	11.3
M98-101137	16.5	14.3			17.2	13.1	13.6
M98-211046	14.6	13.2			15.1	11.8	13.2
ND99-3315	15.3	16.1			14.5	13.1	14.1
ND99-N2282	15.0	15.6			13.7	14.4	11.8
ND01-1047	12.9	11.5			12.6	11.1	11.4
ND01-1687	14.7	13.3			13.1	12.4	12.2
ND01-1690	12.5	13.5			11.2	9.7	10.0
ND01-3384	16.7	18.8			16.6	14.3	14.6
ND01-4249	11.9	12.1			10.2	9.8	10.2
OAC 03-04	19.9	20.1			18.6	16.5	17.5
OAC 03-07	19.9	20.7			19.1	15.4	18.1

*Data not included in mean.

UNIFORM TEST 00, 2004

SEED SIZE (g/100)

Strain	Casselton ND	Northwood ND	Beachburg Ont.	Dundalk Ont.	Elora Ont.	St. Bruno Montarville Que.
MN0071	15.3		16.8	16.6	18.3	17.8
Jim	14.8		17.1	16.4	17.5	18.7
Glacier	15.4		17.6	18.1	19.5	18.1
Traill (0)	17.8		17.0	16.2	17.8	18.5
M97-104145	17.0		16.1	14.1	18.2	17.7
M97-121030	12.8		13.4	12.1	13.4	14.7
M98-101137	16.5		17.0	16.7	19.5	18.1
M98-211046	15.4		15.5	14.1	15.3	16.2
ND99-3315	15.5		16.6	14.7	15.6	18.3
ND99-N2282	15.7		17.2	14.9	16.4	15.9
ND01-1047	12.8		14.3	11.8	14.0	15.1
ND01-1687	15.9		15.9	14.3	15.6	17.8
ND01-1690	15.5		13.7	12.1	13.3	14.4
ND01-3384	17.8		18.6	11.9	19.3	20.7
ND01-4249	13.3		13.2	11.7	12.6	13.9
OAC 03-04	18.2		21.9	20.9	22.4	23.5
OAC 03-07	19.9		21.6	20.1	21.4	23.2

UNIFORM TEST 00, 2004

SEED QUALITY (score)

Strain	Mean 8 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morden Man	Crookston MN	Moorhead MN	Shelly MN
MN0071	1.5	2.2			1.0	1.7	1.5
Jim	1.5	2.5			1.0	1.3	1.5
Glacier	1.5	3.0			1.3	1.7	2.0
Traill (0)	1.6	2.5			1.3	2.0	2.0
M97-104145	1.9	3.0			1.3	2.0	2.5
M97-121030	1.6	3.2			1.0	1.3	2.0
M98-101137	1.8	3.0			1.7	1.7	2.0
M98-211046	1.6	2.8			1.3	1.3	1.5
ND99-3315	1.8	2.8			1.0	1.7	2.0
ND99-N2282	1.5	3.0			1.0	1.3	1.5
ND01-1047	1.9	2.7			1.3	1.7	1.5
ND01-1687	2.1	2.8			1.3	1.3	1.5
ND01-1690	2.1	2.5			1.7	1.3	1.5
ND01-3384	2.1	2.5			1.7	1.7	2.0
ND01-4249	2.0	2.8			1.3	1.3	1.5
OAC 03-04	1.6	3.0			1.0	1.7	2.0
OAC 03-07	1.4	2.5			1.0	1.3	1.7

*Data not included in mean.

UNIFORM TEST 00, 2004**SEED QUALITY (score)**

Strain	Casselton ND	Northwood ND	Beachburg Ont.	Dundalk Ont.	Elora Ont.	St. Bruno Montarville Que
MN0071	1.0		1.7	2.5	1.5	1.0
Jim	1.0		2.0	2.5	1.5	1.0
Glacier	1.0		2.3	1.5	1.5	1.0
Traill (0)	1.0		2.7	1.5	1.5	1.0
M97-104145	1.0		3.3	2.5	1.5	1.0
M97-121030	1.0		2.7	2.0	1.5	1.0
M98-101137	1.0		2.7	2.5	1.5	1.0
M98-211046	1.0		2.7	2.5	1.5	1.0
ND99-3315	1.0		3.0	3.0	1.5	1.0
ND99-N2282	1.0		2.0	2.5	1.5	1.0
ND01-1047	1.0		3.0	3.0	1.5	2.0
ND01-1687	4.0		2.7	3.0	2.0	1.0
ND01-1690	1.0		4.0	3.0	2.5	2.0
ND01-3384	1.0		3.7	3.5	2.0	1.0
ND01-4249	1.0		4.0	2.5	2.0	2.0
OAC 03-04	1.0		3.0	1.5	1.5	1.0
OAC 03-07	1.0		2.0	1.5	1.5	1.0

UNIFORM TEST 00, 2004

PROTEIN (%)

Strain	Mean 5 Tests	Crookston MN	Moorhead MN	Beachburg Ont	Dundalk Ont	St. Bruno Montarville Que.
MN0071	41.6	44.7	39.9	41.0	42.2	40.1
Jim	41.9	42.5	41.1	41.7	43.5	40.8
Glacier	42.6	42.8	41.8	42.9	43.7	42.0
Traill (0)	42.9	42.5	41.4	43.4	44.0	43.1
M97-104145	41.6	44.0	40.3	41.1	42.2	40.3
M97-121030	43.3	43.9	41.7	42.8	47.3	40.7
M98-101137	43.8	45.1	42.8	43.6	44.9	42.8
M98-211046	42.1	42.6	42.3	41.1	43.8	40.9
ND99-3315	43.9	45.2	43.7	44.4	43.3	42.7
ND99-N2282	42.0	42.1	42.3	41.7	43.3	40.5
ND01-1047	41.9	43.7	39.6	41.7	43.9	40.4
ND01-1687	41.1	41.6	40.6	39.6	43.9	39.8
ND01-1690	40.0	40.7	37.4	39.8	43.5	38.5
ND01-3384	42.9	42.8	42.7	43.3	43.9	41.8
ND01-4249	39.8	40.2	38.3	39.4	41.9	39.0
OAC 03-04	41.6	41.2	40.3	42.1	42.7	41.7
OAC 03-07	42.1	42.3	40.3	42.6	42.1	43.1

UNIFORM TEST 00, 2004

OIL (%)

Strain	Mean 5 Tests	Crookston MN	Moorhead MN	Beachburg Ont	Dundalk Ont	St. Bruno Montarville Que.
MN0071	19.2	16.4	18.2	20.0	18.9	22.8
Jim	17.7	15.1	16.6	18.5	17.2	21.1
Glacier	18.4	16.1	17.4	18.7	18.7	21.1
Traill (0)	18.0	16.3	17.2	18.3	17.8	20.3
M97-104145	18.7	16.1	18.0	19.2	18.7	21.6
M97-121030	17.9	16.3	17.0	18.3	16.6	21.3
M98-101137	17.8	15.9	16.9	18.0	17.8	20.5
M98-211046	17.8	16.1	16.7	18.7	17.1	20.5
ND99-3315	17.6	15.8	17.0	17.7	16.6	21.1
ND99-N2282	18.7	16.8	17.5	19.3	17.6	22.1
ND01-1047	18.6	16.9	17.4	19.0	17.6	21.9
ND01-1687	20.0	18.2	18.4	21.0	19.0	23.5
ND01-1690	20.0	18.1	19.3	20.6	18.8	23.2
ND01-3384	18.5	17.2	16.9	18.8	18.4	21.3
ND01-4249	19.7	17.9	18.4	20.7	19.1	22.4
OAC 03-04	18.4	16.6	17.4	19.1	18.3	20.8
OAC 03-07	19.1	17.6	18.2	19.5	19.2	21.0

Uniform Test 0, 2004

Ent.	Strain	Parentage	Previous Testing	Generation Compositied	Unique Traits
1.	Lambert (O)	M75-274 x M76-151	16	F5	Rps1
2.	Parker (I)	A79-136012 x Dawson	13	F5	Rps1
3.	Surge (L)	A86-204022 x Kato	5	F5	
4.	Traill (E)	M82-996 x Sigco KG20	8	F5	
5.	MN0902CN (SCN)	Jack x Alpha	7	F5	SCN
6.	M96-355009	M91-116124 x MN1301	2	F5	Rps1-k
7.	M97-164072	M90-162034 x M91-103023	PT0	F5	SCN
8.	ND98-2252	SD92-1323 x M90-370	2	F5	Rps1c
9.	ND99-2169	SL91-564 x Pioneer P9092	1	F4	Rps1c
10.	ND00-2756	SL91-895 x ND93-5849	PT0	F5	Rps4
11.	ND00-2761	SL91-895 x ND93-5849	PT0	F5	Rps4
12.	ND00-2763	SL91-895 x ND93-5849	PT0	F5	Rps4
13.	ND00-2765	SL91-895 x ND93-5849	PT0	F5	Rps4
14.	ND00-2774	SL91-895 x ND93-5849	PT0	F5	Rps4
15.	OAC 02-27	OAC 97-11 x OAC Stratford	PT0	F5	
16.	SD99-700	SD93-954 x Elgin 87	1	F5	Rps1-k
17.	SD99-1358	SD(M)93-256 x (OT91-3 x Hendricks)	1	F5	Rps1-a
18.	SD99-1909	Lambert x (Marcus x Sturdy)	UTI	F5	Rps1-a

UNIFORM TEST 0, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Fe Chlorosis</u>		<u>Green Stem</u>		<u>Shattering</u>	<u>PR</u>	
		Score		Score		Score	Lafayette	
		Wilkin Co. MN	Casselton ND	Fayetteville AR	St. Bruno Que	Manhattan KS	Race 4	Race 7
Lambert (0)	PGBSYLbfI	3.9	2.0	1.0	1.5	1.0	S	S
Parker (I)	WGBDYBfI	4.2	5.0	1.0	1.5	1.0	S	S
Surge (L)	PGBDYIbI	4.4	3.0	1.0	2.0	2.0	S	R
Trail (E)	PTBIYYI	3.8	2.0	1.0	2.5	1.0	H	S
MN0902CN (SCN)	WTTIYYI	3.8	2.3	1.0	4.0	1.0	H	S
M96-355009	WGBDYIYI	3.9	3.0	1.0	2.0	1.0	R	R
M97-164072	P+WGBIYYI	3.5	1.7	1.0	2.5	2.0	S	S
ND98-2252	WSBDYBr+BfI	3.7	3.7	1.0	3.5	1.0	S	R
ND99-2169	PGTDYLGrI	4.0	3.3	1.0	2.5	2.0	S	R
ND00-2756	PGTDYLGrI	4.0	4.7	1.0	1.5	3.0	S	R
ND00-2761	PGTDYLGrI	3.9	3.7	1.0	1.0	3.0	S	R
ND00-2763	PGTDYLGrI	4.1	3.3	1.0	1.0	2.0	S	R
ND00-2765	PGTDYLGrI	4.3	3.0	1.0	1.5	3.0	S	R
ND00-2774	PGTDYLGrI	4.1	4.7	1.0	1.0	3.0	S	R
OAC 02-27	PGBIYBfI	3.6	3.0	1.0	1.5	2.0	S	R
SD99-700	WTBDYBII	3.8	3.3	1.0	3.5	3.0	R	R
SD99-1358	PGBDYIbI	3.8	3.0	1.0	2.0	2.0	S	S
SD99-1909	PGBDYBfI	4.4	4.0	1.0	1.0	2.0	R*	R*

* = entry/*Phytophthora sojae* race reaction questionable.

UNIFORM TEST 0, 2004

REGIONAL SUMMARY

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant	Seed	Seed	<u>Composition</u>	
	7 bu/a	7 No.	8 Date	8 Score	7 In.	8 g/100	8 Score	5 Protein %	5 Oil %
Lambert (0)	40.5	11	9/25	1.1	26	15.7	1.4	42.4	20.1
Parker (I)	42.3	3	6.0	2.0	32	17.0	1.7	41.1	19.7
Surge (L)	39.2	15	1.6	1.2	25	18.4	1.4	42.6	19.7
Traill (E)	36.6	17	-6.3	1.0	24	16.7	1.5	42.3	19.0
MN0902CN (SCN)	39.8	13	-2.6	1.1	26	14.4	1.4	43.0	19.1
M96-355009	45.4	2	4.3	1.4	28	16.1	1.6	41.4	19.3
M97-164072	41.5	5	1.8	1.4	28	16.3	1.4	42.1	18.9
ND98-2252	41.3	8	0.1	1.3	26	15.3	1.8	41.1	19.2
ND99-2169	34.1	18	-6.5	1.0	22	13.2	1.6	40.4	20.3
ND00-2756	40.9	10	-1.4	1.3	25	12.1	1.9	40.5	20.2
ND00-2761	41.4	6	-1.9	1.2	26	11.7	1.9	40.6	20.4
ND00-2763	40.4	12	-1.4	1.1	26	11.7	1.9	40.5	20.5
ND00-2765	42.2	4	-1.3	1.2	27	11.8	1.7	40.8	20.2
ND00-2774	41.4	6	-2.6	1.2	25	11.6	1.8	40.6	20.4
OAC 02-27	46.0	1	0.5	1.3	30	18.4	1.5	41.6	19.5
SD99-700	41.2	9	2.9	1.3	24	18.7	1.7	43.0	19.1
SD99-1358	39.4	14	0.5	1.3	27	19.8	1.8	42.3	18.8
SD99-1909	38.9	16	5.5	1.7	25	15.6	1.6	41.3	19.5

127.4 Days After Planting

UNIFORM TEST 0, 2004

2003-2004 2-YEAR MEAN

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	<u>Composition</u>	
	30 bu/a	30 No.	25 Date	29 Score	30 In.	28 g/100	28 Score	Protein 10 %	Oil 10 %
Lambert (0)	38.2	5	9/20	1.2	27	15.5	1.5	42.1	20.3
Parker (I)	40.1	2	5.6	1.8	33	16.3	1.7	40.4	20.0
Surge (0)	38.4	3	1.5	1.2	26	17.8	1.5	42.3	20.1
Traill (E)	29.3	10	-5.4	1.1	24	16.3	1.6	41.7	19.7
MN0902CN (SCN)	37.4	7	-1.1	1.2	28	13.8	1.6	42.8	19.2
M96-355009	42.2	1	3.4	1.4	29	15.4	1.7	40.8	19.6
ND98-2252	36.4	8	0.8	1.3	29	14.7	1.9	40.5	19.7
ND99-2169	33.3	9	-5.9	1.0	24	13.1	1.7	40.0	20.8
SD99-700	38.3	4	2.1	1.2	26	18.3	1.9	42.7	19.5
SD99-1358	37.6	6	0.4	1.3	29	19.7	2.1	42.3	19.1

120.1 Days After Planting

2002-2004 3-YEAR MEAN

Strain No. of Tests	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	<u>Composition</u>	
	23 bu/a	23 No.	25 Date	25 Score	24 In.	24 g/100	23 Score	Protein 15 %	Oil 15 %
Lambert (0)	40.8	3	9/17	1.3	28.8	16.2	1.7	42.0	20.1
Parker (I)	43.3	1	6.3	1.9	34.5	16.9	1.8	40.5	19.8
Surge (0)	41.7	2	1.5	1.2	28.0	18.6	1.7	42.0	19.9
Traill (E)	33.3	6	-6.7	1.2	25.7	16.4	1.8	41.8	19.4
MN0902CN (SCN)	39.7	4	-1.2	1.3	28.9	14.0	1.7	42.4	18.9
ND98-2252	39.6	5	0.3	1.3	29.5	15.3	2.1	40.4	19.4

120.1 Days After Planting

UNIFORM TEST 0, 2004

YIELD (bu/a)

Strain	Mean 7 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morris MN	Rosemount MN	Portageville* (Loam) MO	Casselton* ND
Lambert (0)	40.5	63.1	5.6	35.2	44.6	7.9	23.8
Parker (I)	42.3	74.6	21.9	27.5	45.3	22.3	11.0
Surge (L)	39.2	71.9	12.1	18.1	41.8	11.4	19.1
Traill (E)	36.6	56.9	8.0	33.1	38.4	3.6	18.6
MN0902CN (SCN)	39.8	65.0	7.7	30.8	43.6	7.1	20.3
M96-355009	45.4	81.2	16.4	40.4	44.0	21.5	23.5
M97-164072	41.5	82.2	10.4	37.1	41.7	9.2	28.7
ND98-2252	41.3	60.8	9.4	35.8	47.9	9.2	25.6
ND99-2169	34.1	60.5	6.8	22.9	35.9	6.8	16.2
ND00-2756	40.9	69.7	16.1	31.2	41.9	14.1	14.9
ND00-2761	41.4	71.1	18.5	30.7	41.7	11.2	21.3
ND00-2763	40.4	72.9	13.9	23.4	46.1	10.2	23.8
ND00-2765	42.2	75.5	12.9	32.6	44.9	9.9	21.9
ND00-2774	41.4	71.3	19.9	29.6	44.1	18.2	16.4
OAC 02-27	46.0	75.3	12.7	39.9	51.0	21.4	28.8
SD99-700	41.2	57.2	5.6	28.0	44.6	8.3	14.8
SD99-1358	39.4	70.7	14.3	19.0	44.8	20.6	23.2
SD99-1909	38.9	69.0	24.3	8.7	46.7	17.0	11.4
C.V. (%)		3.8	15.3	17.2	8.9	18.8	28.8
L.S.D. (5%)		4.6	3.8	8.3	6.5	3.3	10.0
Row Sp. (In.)		7.5	6.5	10	10	7.5	30
Rows/Plot		7	9	10	10	6	4
Reps		3	3	3	3	3	3

*Data not included in mean.

UNIFORM TEST 0, 2004

YIELD (bu/a)

Strain	Ottawa Ont	St. Pauls Ont	Woodstock Ont	St. Bruno Que	Brookings SD
Lambert (O)	42.2	51.2	38.3	53.6	18.2
Parker (I)	47.6	53.2	39.6	55.7	27.3
Surge (L)	46.5	55.8	35.1	53.3	23.9
Traill (E)	35.5	44.1	35.3	46.6	23.2
MN0902CN (SCN)	40.0	47.7	36.0	55.6	24.6
M96-355009	41.4	61.8	40.3	59.0	30.7
M97-164072	45.4	53.6	32.7	55.9	23.9
ND98-2252	39.3	50.2	34.9	58.9	22.0
ND99-2169	40.5	44.7	22.8	45.7	26.0
ND00-2756	45.6	51.1	38.3	51.6	26.6
ND00-2761	47.0	57.0	34.7	54.2	24.2
ND00-2763	45.2	52.9	33.7	54.0	27.6
ND00-2765	45.7	53.5	37.2	53.5	28.0
ND00-2774	45.7	51.5	35.3	52.2	31.5
OAC 02-27	46.0	59.8	40.6	56.3	28.3
SD99-700	46.2	53.3	36.4	50.9	29.3
SD99-1358	43.7	51.0	35.1	52.9	29.0
SD99-1909	43.8	52.6	39.7	54.5	26.6
C.V. (%)	3.9	7.1	8.2	6.2	17.4
L.S.D. (5%)	3.1	6.8	5.7	7.0	7.6
Row Sp. (In.)	16	14	14	7	30
Rows/Plot	4	4	4	5	4
Reps	3	3	3	2	3

UNIFORM TEST 0, 2004

YIELD RANK

Strain	Yield Rank	Fayetteville* irrigated AR	Keiser* irrigated AR	Morris MN	Rosemount MN	Portageville* (Loam) MO	Casselton ND
Lambert (0)	11	14	17	5	8	15	4
Parker (I)	3	5	2	13	5	1	18
Surge (L)	15	7	11	17	14	8	11
Traill (E)	17	18	14	6	17	18	12
MN0902CN (SCN)	13	13	15	9	12	16	10
M96-355009	2	2	5	1	11	2	6
M97-164072	5	1	12	3	15	12	2
ND98-2252	8	15	13	4	2	12	3
ND99-2169	18	16	16	15	18	17	14
ND00-2756	10	11	6	8	13	7	15
ND00-2761	6	9	4	10	15	9	9
ND00-2763	12	6	8	14	4	10	4
ND00-2765	4	3	9	7	6	11	8
ND00-2774	6	8	3	11	10	5	13
OAC 02-27	1	4	10	2	1	3	1
SD99-700	9	17	17	12	8	14	16
SD99-1358	14	10	7	16	7	4	7
SD99-1909	16	12	1	18	3	6	17

*Data not included in mean.

UNIFORM TEST 0, 2004

YIELD RANK

Strain	Ottawa Ont	St. Pauls Ont	Woodstock Ont	St. Bruno Que.	Brookings SD
Lambert (O)	13	12	5	10	18
Parker (I)	1	8	4	5	8
Surge (L)	3	4	12	12	14
Traill (E)	18	18	10	17	16
MN0902CN (SCN)	16	16	9	6	12
M96-355009	14	1	2	1	2
M97-164072	9	5	17	4	14
ND98-2252	17	15	14	2	17
ND99-2169	15	17	18	18	11
ND00-2756	8	13	5	15	9
ND00-2761	2	3	15	8	13
ND00-2763	10	9	16	9	7
ND00-2765	6	6	7	11	6
ND00-2774	7	11	10	14	1
OAC 02-27	5	2	1	3	5
SD99-700	4	7	8	16	3
SD99-1358	12	14	12	13	4
SD99-1909	11	10	3	7	9

UNIFORM TEST 0, 2004

MATURITY (date)

Strain	Mean 8 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morris** MN	Rosemount MN	Portageville* (Loam) MO	Casselton ND
Lambert (0)	9/25	8/8	8/6	10/3	9/11	7/13	10/6
Parker (I)	6.0	1	11	6	4	12	4
Surge (L)	1.6	0	5	4	2	13	4
Traill (E)	-6.3	-7	-5	-7	-5	-4	-11
MN0902CN (SCN)	-2.6	-5	3	-1	0	-3	-2
M96-355009	4.3	0	3	4	4	3	2
M97-164072	1.8	1	9	-2	2	0	1
ND98-2252	0.1	-4	1	-2	-1	-4	1
ND99-2169	-6.5	-5	-9	-4	-5	-5	-6
ND00-2756	-1.4	-4	1	4	-1	4	2
ND00-2761	-1.9	-5	-1	0	-2	-1	1
ND00-2763	-1.4	-5	0	2	-1	-3	0
ND00-2765	-1.3	-4	-3	2	-2	-3	0
ND00-2774	-2.6	-5	0	-2	-2	-2	1
OAC 02-27	0.5	-3	1	3	1	-1	0
SD99-700	2.9	-4	4	2	2	4	3
SD99-1358	0.5	2	3	0	1	8	1
SD99-1909	5.5	-1	6	7	5	6	4
**Killing Frost 5/20							
Date Planted	5/21	5/6	5/8	5/20	5/7	4/16	5/20
Days to Mature	127	94	90	136	127	88	139

*Data not included in mean.

UNIFORM TEST 0, 2004

MATURITY (date)

Strain	Ottawa Ont	St. Pauls Ont	Woodstock Ont	St. Bruno Que.	Brookings SD
Lambert (0)	9/15	10/4	9/29	9/26	9/19
Parker (I)	13	2	5	8	6
Surge (L)	1	-1	3	-1	1
Traill (E)	-7	-12	-6	-10	8
MN0902CN (SCN)	-1	-9	-4	-5	1
M96-355009	10	1	3	6	4
M97-164072	9	-2	1	2	3
ND98-2252	2	1	-1	-1	2
ND99-2169	-4	-10	-8	-8	-7
ND00-2756	-1	-6	-4	-2	-3
ND00-2761	-2	-6	-4	-4	2
ND00-2763	-1	-3	-3	-4	-1
ND00-2765	-1	-5	-2	-2	0
ND00-2774	-2	-6	-4	-2	-4
OAC 02-27	1	-2	1	-1	1
SD99-700	9	2	4	2	-1
SD99-1358	1	4	3	-3	-3
SD99-1909	11	4	5	4	4
Date Planted	5/17	5/21	6/10	5/29	5/13
Days to Mature	121	136	111	120	129

UNIFORM TEST 0, 2004

LODGING (score)

Strain	Mean 8 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morris MN	Rosemount MN	Portageville* (Loam) MO	Casselton ND
Lambert (O)	1.1	1.0	1.0	1.0	2.0	1.0	1.0
Parker (I)	2.0	4.0	1.0	1.0	3.0	1.0	1.0
Surge (L)	1.2	1.0	1.0	1.0	1.7	1.0	1.0
Traill (E)	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MN0902CN (SCN)	1.1	1.0	1.0	1.0	1.3	1.0	1.0
M96-355009	1.4	1.0	1.0	1.0	2.0	1.0	1.0
M97-164072	1.4	1.0	1.0	1.0	2.0	1.0	1.0
ND98-2252	1.3	1.0	1.0	1.0	2.0	1.0	1.0
ND99-2169	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ND00-2756	1.3	1.0	1.0	1.0	1.7	1.0	1.0
ND00-2761	1.2	1.0	1.0	1.0	2.0	1.0	1.0
ND00-2763	1.1	1.0	1.0	1.0	1.7	1.0	1.0
ND00-2765	1.2	1.0	1.0	1.0	1.7	1.0	1.0
ND00-2774	1.2	1.0	1.0	1.0	2.0	1.0	1.0
OAC 02-27	1.3	1.0	1.0	1.0	2.3	1.0	1.0
SD99-700	1.3	1.0	1.0	1.0	2.0	1.0	1.0
SD99-1358	1.3	1.0	1.0	1.0	2.0	1.0	1.0
SD99-1909	1.7	1.0	1.0	1.0	2.3	1.0	1.0

*Data not included in mean.

UNIFORM TEST 0, 2004**LODGING (score)**

Strain	Ottawa Ont	St. Pauls Ont	Woodstock Ont	St. Bruno Que.	Brookings SD
Lambert (O)	1.0	1.0	1.0	1.0	1.0
Parker (I)	3.3	1.9	1.0	3.5	1.0
Surge (L)	1.1	1.0	1.0	1.5	1.0
Traill (E)	1.0	1.0	1.0	1.0	1.0
MN0902CN (SCN)	1.2	1.1	1.0	1.5	1.0
M96-355009	2.3	1.0	1.0	2.0	1.0
M97-164072	2.4	1.1	1.0	2.0	1.0
ND98-2252	1.7	1.4	1.0	1.0	1.0
ND99-2169	1.0	1.0	1.0	1.0	1.0
ND00-2756	1.1	1.2	1.0	2.0	1.0
ND00-2761	1.0	1.0	1.0	1.5	1.0
ND00-2763	1.0	1.2	1.0	1.0	1.0
ND00-2765	1.0	1.0	1.0	2.0	1.0
ND00-2774	1.0	1.0	1.0	1.5	1.0
OAC 02-27	1.3	1.0	1.0	2.0	1.0
SD99-700	2.2	1.4	1.0	1.0	1.0
SD99-1358	1.9	1.3	1.0	1.5	1.0
SD99-1909	3.0	1.3	1.0	3.0	1.0

UNIFORM TEST 0, 2004

PLANT HEIGHT (inches)

Strain	Mean 7 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morris MN	Rosemount MN	Portageville* (Loam) MO	Casselton ND
Lambert (0)	26	20	8		30	8	22
Parker (I)	32	30	14		38	18	19
Surge (L)	25	23	8		29	14	19
Traill (E)	24	20	4		32	10	17
MN0902CN (SCN)	26	21	9		30	11	22
M96-355009	28	23	12		31	13	21
M97-164072	28	24	10		33	10	25
ND98-2252	26	21	8		33	8	21
ND99-2169	22	20	7		23	7	18
ND00-2756	25	25	9		29	12	14
ND00-2761	26	24	11		29	10	19
ND00-2763	26	25	10		30	10	20
ND00-2765	27	26	13		33	9	20
ND00-2774	25	23	9		31	11	17
OAC 02-27	30	25	12		33	13	25
SD99-700	24	18	8		28	10	15
SD99-1358	27	24	12		29	14	21
SD99-1909	25	21	14		30	14	17

*Data not included in mean.

UNIFORM TEST 0, 2004**PLANT HEIGHT (inches)**

Strain	Ottawa Ont	St. Pauls Ont	Woodstock Ont	St. Bruno Que.	Brookings SD
Lambert (O)	31	25	21	28	25
Parker (I)	33	31	28	40	33
Surge (L)	28	25	21	24	26
Traill (E)	28	23	19	21	28
MN0902CN (SCN)	32	24	20	30	25
M96-355009	33	29	22	32	28
M97-164072	32	26	22	32	25
ND98-2252	32	27	20	29	23
ND99-2169	25	22	16	23	24
ND00-2756	31	25	21	29	24
ND00-2761	31	26	20	31	26
ND00-2763	30	26	20	29	26
ND00-2765	31	27	21	33	26
ND00-2774	29	24	20	30	27
OAC 02-27	33	29	25	32	29
SD99-700	29	24	19	26	24
SD99-1358	31	29	22	30	25
SD99-1909	30	24	20	30	24

UNIFORM TEST 0, 2004

SEED SIZE (g/100)

Strain	Mean 8 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morris MN	Rosemount MN	Portageville* (Loam) MO	Casselton ND
Lambert (0)	15.7	15.3		13.5	14.3	11.4	15.2
Parker (I)	17.0	16.7		15.8	13.7	16.1	13.2
Surge (L)	18.4	19.8		18.1	16.6	15.7	17.8
Traill (E)	16.7	16.0		15.8	13.9	10.8	16.7
MN0902CN (SCN)	14.4	14.1		14.2	12.1	10.1	13.6
M96-355009	16.1	16.2		15.6	14.0	14.7	14.4
M97-164072	16.3	16.6		14.6	13.8	12.6	14.8
ND98-2252	15.3	15.6		13.7	12.4	11.7	15.9
ND99-2169	13.2	13.2		13.6	11.4	9.8	12.6
ND00-2756	12.1	12.3		11.7	10.1	11.0	13.2
ND00-2761	11.7	12.6		7.8	10.2	10.6	11.7
ND00-2763	11.7	12.7		7.7	10.4	11.6	12.5
ND00-2765	11.8	13.3		7.4	10.2	10.0	12.2
ND00-2774	11.6	13.0		8.1	10.1	10.9	11.4
OAC 02-27	18.4	19.2		11.5	16.1	15.9	18.4
SD99-700	18.7	19.4		11.7	16.9	13.9	16.5
SD99-1358	19.8	20.0		12.0	17.9	16.1	18.7
SD99-1909	15.6	15.6		9.1	15.6	15.1	12.7

*Data not included in mean.

UNIFORM TEST 0, 2004**SEED SIZE (g/100)**

Strain	Ottawa Ont	St. Pauls Ont	Woodstock Ont	St. Bruno Que.	Brookings SD
Lambert (O)	16.4	18.6	16.1	17.6	13.9
Parker (I)	18.5	20.5	17.6	19.6	17.0
Surge (L)	19.6	21.2	18.5	18.9	16.4
Traill (E)	17.6	19.7	15.8	19.5	14.4
MN0902CN (SCN)	15.5	16.1	13.9	16.2	13.7
M96-355009	16.8	20.4	16.1	17.2	14.5
M97-164072	18.3	20.3	15.6	17.4	15.4
ND98-2252	15.8	19.6	14.8	16.3	14.0
ND99-2169	13.9	16.0	13.3	13.7	10.9
ND00-2756	13.3	12.6	12.1	13.1	10.6
ND00-2761	13.4	14.5	11.1	13.1	11.9
ND00-2763	13.4	13.8	11.8	13.2	10.8
ND00-2765	13.2	14.6	11.7	13.3	12.0
ND00-2774	13.6	14.6	11.6	13.0	10.6
OAC 02-27	20.4	22.2	19.0	20.8	18.4
SD99-700	21.2	25.5	20.5	21.2	16.1
SD99-1358	21.7	26.3	21.6	22.7	17.7
SD99-1909	17.7	20.2	17.3	17.5	14.7

UNIFORM TEST 0, 2004

SEED QUALITY (score)

Strain	Mean 8 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morris MN	Rosemount MN	Portageville* (Loam) MO	Casselton ND
Lambert (0)	1.4	3.0		1.0	1.0	2.0	1.0
Parker (I)	1.7	3.2		1.3	1.0	4.0	1.0
Surge (L)	1.4	3.7		1.0	1.0	4.0	1.0
Traill (E)	1.5	2.3		1.0	1.0	3.0	1.0
MN0902CN (SCN)	1.4	3.0		1.0	1.0	2.0	1.0
M96-355009	1.6	2.7		1.0	1.3	3.0	1.0
M97-164072	1.4	1.8		1.0	1.0	2.0	1.0
ND98-2252	1.8	2.8		1.3	1.7	3.0	2.0
ND99-2169	1.6	2.5		1.0	1.3	2.0	1.0
ND00-2756	1.9	2.3		1.3	1.7	2.0	1.0
ND00-2761	1.9	2.5		1.3	1.3	2.0	1.0
ND00-2763	1.9	2.5		1.3	1.3	2.0	1.0
ND00-2765	1.7	2.8		1.0	1.3	2.0	1.0
ND00-2774	1.8	2.5		1.3	1.7	2.0	1.0
OAC 02-27	1.5	3.2		1.0	2.0	4.0	1.0
SD99-700	1.7	2.7		1.0	1.7	3.0	1.0
SD99-1358	1.8	3.0		1.3	1.5	4.0	1.0
SD99-1909	1.6	3.0		1.7	1.3	5.0	1.0

*Data not included in mean.

UNIFORM TEST 0, 2004**SEED QUALITY (score)**

Strain	Ottawa Ont	St. Pauls Ont	Woodstock Ont	St. Bruno Que.	Brookings SD
Lambert (O)	2.0	1.5	1.5	1.0	2.0
Parker (I)	2.0	1.5	1.5	3.0	2.0
Surge (L)	2.0	1.5	1.5	1.0	2.0
Traill (E)	2.4	2.0	1.5	1.0	2.0
MN0902CN (SCN)	1.7	2.0	1.5	1.0	2.0
M96-355009	2.0	2.0	1.5	2.0	2.0
M97-164072	1.6	2.0	1.5	1.0	2.0
ND98-2252	2.6	2.5	1.5	1.0	2.0
ND99-2169	1.6	2.5	1.5	1.0	3.0
ND00-2756	2.0	3.0	1.5	3.0	2.0
ND00-2761	2.0	2.5	2.0	3.0	2.0
ND00-2763	2.0	3.0	1.5	3.0	2.0
ND00-2765	2.0	2.5	1.5	2.5	2.0
ND00-2774	2.0	2.5	1.5	2.0	2.0
OAC 02-27	2.3	1.5	1.5	1.0	2.0
SD99-700	2.0	2.0	1.5	1.0	3.0
SD99-1358	2.9	2.5	1.5	1.5	2.0
SD99-1909	2.0	1.5	1.5	2.0	2.0

UNIFORM TEST 0, 2004

PROTEIN (%)

Strain	Mean 5 Tests	Morris MN	Rosemount MN	Ottawa Ont.	St. Pauls Ont.	St. Bruno Montarville Que.
Lambert (0)	42.4	42.5	40.2	41.7	44.9	42.7
Parker (I)	41.1	41.3	39.4	40.0	43.1	41.6
Surge (L)	42.6	43.5	40.6	41.9	45.3	41.6
Traill (E)	42.3	41.6	38.9	42.7	44.2	44.0
MN0902CN (SCN)	43.0	42.4	40.2	42.6	44.8	44.9
M96-355009	41.4	40.7	40.1	40.7	44.0	41.7
M97-164072	42.1	40.9	41.5	40.9	44.6	42.6
ND98-2252	41.1	39.7	38.7	41.0	44.4	41.9
ND99-2169	40.4	41.5	38.2	40.0	41.3	41.2
ND00-2756	40.5	41.0	38.3	40.7	41.8	40.7
ND00-2761	40.6	41.5	37.4	40.6	42.5	41.1
ND00-2763	40.5	41.0	37.6	41.2	41.9	41.0
ND00-2765	40.8	40.4	39.4	40.7	42.0	41.4
ND00-2774	40.6	41.0	38.6	40.9	42.4	40.3
OAC 02-27	41.6	42.1	39.3	40.6	44.1	42.2
SD99-700	43.0	41.3	40.4	42.6	46.1	44.5
SD99-1358	42.3	42.4	39.8	41.6	45.0	43.0
SD99-1909	41.3	41.2	39.6	40.9	43.8	40.8

UNIFORM TEST 0, 2004

OIL (%)

Strain	Mean 5 Tests	Morris MN	Rosemount MN	Ottawa Ont.	St. Pauls Ont.	St. Bruno Montarville Que.
Lambert (0)	20.1	18.8	19.0	21.5	19.5	21.8
Parker (I)	19.7	18.1	18.9	21.1	19.9	20.7
Surge (L)	19.7	17.9	19.3	21.0	19.2	21.3
Traill (E)	19.0	17.6	19.0	19.9	18.6	19.9
MN0902CN (SCN)	19.1	17.2	18.4	20.5	19.6	19.6
M96-355009	19.3	18.1	17.9	20.8	19.2	20.6
M97-164072	18.9	17.9	17.4	20.3	18.9	20.1
ND98-2252	19.2	18.4	18.1	20.3	18.8	20.3
ND99-2169	20.3	18.0	18.7	21.7	20.9	22.1
ND00-2756	20.2	18.2	19.5	21.5	20.2	21.8
ND00-2761	20.4	18.7	19.5	21.7	20.3	21.7
ND00-2763	20.5	18.9	19.8	21.5	20.7	21.8
ND00-2765	20.2	18.3	18.9	21.7	20.5	21.7
ND00-2774	20.4	18.8	19.4	21.5	20.3	22.0
OAC 02-27	19.5	17.8	18.8	20.9	19.2	20.7
SD99-700	19.1	18.2	17.7	20.4	19.2	19.9
SD99-1358	18.8	17.2	18.1	20.1	18.7	19.7
SD99-1909	19.5	17.7	18.6	20.8	19.5	20.9

Preliminary Test 0, 2004

Ent.	Strain	Parentage	Generation Compositied	Unique Traits
1.	Lambert (O)	M75-274 x M76-151	F5	Rps1
2.	Parker (I)	A79-136012 x Dawson	F5	Rps1
3.	Surge (L)	A86-204022 x Kato	F5	
4.	Traill (E)	M82-996 x Sigco KG20	F5	
5.	M98-133-20012	Lambert x M94-246152	F5	SCN, Rps1
6.	M98-212006	M90-249101 x Traill	F5	Rps1
7.	M98-227027	MN0302 x Archer	F5	Rps1k, BSR
8.	M98-237086	MN0301 x Dwight	F5	SCN, Rps1
9.	M98-238010	Lambert x IA1009	F5	SCN, Rps1
10.	M98-239080	MN0902CN x IA1008	F5	SCN
11.	M98-240104	M90-178161 x M92-1645	F5	SCN, Rps1
12.	M98-252008	MN0302 x PI561.353	F5	WM, Rps1k, Diversity
13.	M98-259060	IA2008R x Traill	F5	Rps1k, BSR
14.	M98-267027	M90-249101 x M91-166056	F5	Rps
15.	M98-267112	M90-249101 x M91-166056	F5	Rps1
16.	M98-270026	MN1301 x M90-239130	F5	Rps1
17.	ND99-2621C	SL91-564 x Pioneer P9092	F4	Rps1c
18.	ND01-1247	Pioneer 9071 x A96-492041	F4	Rps1c
19.	ND01-2592	ND95-952 x Pioneer 9004	F4	Rps6
20.	ND01-2599	ND95-952 x Pioneer 9004	F4	Rps6
21.	ND01-2719	ND95-952 x A96-492041	F4	Rps6
22.	ND01-2822	ND95-952 x Pioneer 91B01	F4	Rps6
23.	ND01-3491	Pioneer 91B01 x ND92-2381	F4	Rps1k
24.	ND01-3533	IA1009 x ND95-952	F4	SCN, Rps6
25.	ND01-3535	IA1009 x ND95-952	F4	SCN, Rps6
26.	ND01-3550	Pioneer 91B01 x ND92-2381	F4	Rps1k
27.	ND01-3559	Pioneer 91B01 x ND92-2381	F4	Rps1k
28.	ND01-3739	ND95-952 x A96-492041	F4	Rps6
29.	ND01-3789	ND95-952 x A96-492041	F4	Rps6
30.	ND01-3896	Pioneer 9071 x A96-492041	F4	Rps1c
31.	ND01-3937	ND95-952 x Pioneer 91B01	F4	Rps6
32.	ND01-3940	ND95-952 x Pioneer 91B01	F4	Rps6
33.	ND01-3966	ND95-952 x Pioneer 91B01	F4	Rps6
34.	ND01-4266	Pioneer 9092 x ND95-958	F4	Rps6
35.	OAC 03-13	(S02-30 x RCAT 9201) x M90-239130	F5	
36.	OAC 03-21	U95-2418 x OAC Kent	F5	
37.	SD00-41	Sode Furi x Surge	F5	
38.	SD00-50	Sode Furi x Surge	F5	
39.	SD00-141	SD93-490 x Hendricks	F5	
40.	SD00-167	M91-821 x A94-572028	F5	
41.	SD00-266	M91-821 x E93424	F5	
42.	SD00-405	SD(M)92-1233 x M89-1665	F5	
43.	SD00-719	E93433 x M911416	F5	
44.	SD00-1563	SD93-1040 x E93424	F5	
45.	SD00-1588	SD93-1040 x E93424	F5	
46.	U01-190123	Harbin 92-1062 x NE1900	F5	

PRELIMINARY TEST 0, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Fe Chlorosis		Green Stem	Shattering	PR	
		Score		Score	Score	Lafayette	
		Wilkin Co. MN	Casselton ND	St. Bruno Que	Manhattan KS	Race 4	Race 7
Lambert (0)	PGBSYLbfi	3.9	4.0	2.0	2.0	S	S
Parker (I)	WGBDYBfi	3.8	3.3	1.0	1.0	S	S
Surge (L)	PGBDYIbI	3.7	3.0	2.0	2.0	S	R
Traill (E)	PTBIYYI	3.5	1.8	1.0	1.0	H	S
M98-133-20012	PGBIYBfi	4.2	3.3	1.5	2.0	S	S
M98-212006	PGBDYYI	3.8	3.3	1.0	1.0	S	S
M98-227027	PGTDYIbI	3.6	3.7	1.5	2.0	R	R
M98-237086	PSTDYYI	3.4	3.0	1.0	3.0	S	R*
M98-238010	WGBDYBfi	3.4	3.7	1.5	2.0	S	R*
M98-239080	WGTDYYI	3.8	2.0	3.0	1.0	S	R
M98-240104	WGSYBfi	3.3	3.7	3.0	1.0	S	R
M98-252008	PGBDYBfi	3.8	3.7	1.5	1.0	S*	R
M98-259060	WTTDYBII	3.9	2.3	3.0	1.0	H	R
M98-267027	PGBDYYI	3.2	3.0	1.0	1.0	S	S
M98-267112	WGBDYBfi	3.7	2.0	2.0	2.0	S	S
M98-270026	PGBDYYI	3.9	3.0	1.0	1.0	S	R*
ND99-2621C	PGBDYLGrI	4.4	3.7	1.5	1.0	S	R
ND01-1247	PTBDYGrI	4.3	3.0	1.5	1.0	S	R
ND01-2592	PGBDYYI	4.3	3.0	2.0	2.0	R	R*
ND01-2599	PGBDYYI	4.2	4.0	1.5	2.0	R	R*
ND01-2719	PSBDYLGrI	4.3	3.3	2.0	2.0	R	R*
ND01-2822	WTTDYYI	4.1	4.0	2.0	1.0	R	R*
ND01-3491	PSBDYHI	4.2	4.0	1.0	1.0	H*	R
ND01-3533	WGBDYYI	4.1	4.3	1.0	1.0	S*	R*
ND01-3535	WGBDYYI	4.1	2.7	2.0	1.0	S*	R*
ND01-3550	PTTDYHI	4.1	3.3	2.0	1.0	R	R
ND01-3559	PGTDYLbfi	4.0	3.7	2.0	1.0	R	R
ND01-3739	WGBDYY+Lbfi	4.4	4.7	1.0	1.0	R	S
ND01-3789	WSBDYHI	3.8	3.0	1.5	2.0	S*	R*
ND01-3896	PTBDYY+LGrI	3.8	2.7	2.5	1.0	S	R
ND01-3937	WGTDYBfi	4.2	3.0	2.5	2.0	R	R*
ND01-3940	WGTDYBfi	4.0	2.7	3.0	2.0	R	R*
ND01-3966	PGBDYIb+Bfi	3.8	3.7	1.5	2.0	H	R*
ND01-4266	W+GGBDYYI	4.3	4.3	2.0	2.0	R	R*
OAC 03-13	WTBSYBfi	3.9	3.3	4.5	4.0	S	H
OAC 03-21	PGBDYYI	3.7	2.3	1.0	2.0	R	S
SD00-41	PGBDYHI	3.8	3.3	2.0	1.0	S	S
SD00-50	PGBDYGrI	3.8	3.0	2.0	1.0	S	S
SD00-141	PGBDYIbI	3.8	2.7	2.0	1.0	S	H
SD00-167	PTBDYBII	4.1	4.3	2.0	2.0	S	S
SD00-266	PGTDYGrI	4.4	4.7	2.0	1.0	S	H
SD00-405	PGBDYIbI	3.8	3.5	2.5	1.0	S	S
SD00-719	PTBDYBII	3.5	3.0	2.5	1.0	S	S
SD00-1563	PGBDYIbI	3.8	3.0	2.0	1.0	S	S
SD00-1588	PGBDYIbI	4.0	3.0	3.0	1.0	S	S
U01-190123	WGBDYYI	4.5	4.0	2.0	1.0	S	H

* = entry/*Phytophthora sojae* race reaction questionable.

PRELIMINARY TEST 0, 2004

REGIONAL SUMMARY

No. of Tests Strain	Yield 8 bu/a	Rank 8 No.	Maturity 9 Date	Lodging 9 Score	Plant Height 8 In.	Seed Size 10 g/100	Seed Quality 7 Score	Composition	
								Protein 5 %	Oil 5 %
Lambert (0)	30.3	46	9/20	1.6	25	15.5	1.4	41.7	20.3
Parker (I)	41.5	6	6.6	2.1	33	17.1	1.5	40.8	19.4
Surge (L)	36.9	30	3.1	1.2	26	18.1	1.5	42.2	19.6
Traill (E)	32.1	44	-6.9	1.2	24	15.8	1.4	42.1	18.8
M98-133-20012	36.2	31	1.2	1.6	28	13.7	1.4	42.1	20.1
M98-212006	34.4	40	-2.4	1.2	27	15.0	1.4	41.9	19.4
M98-227027	32.5	43	-2.4	1.2	26	14.6	1.4	41.5	19.6
M98-237086	35.0	39	2.2	1.6	29	14.3	1.9	41.2	19.0
M98-238010	33.5	41	-1.2	1.2	26	14.6	2.1	41.4	19.7
M98-239080	35.3	37	1.9	1.2	26	15.7	1.4	40.9	18.8
M98-240104	30.9	45	0.2	1.2	25	14.0	1.5	40.4	19.6
M98-252008	35.9	35	-2.7	1.3	28	14.7	1.3	42.1	19.4
M98-259060	35.9	33	0.8	1.2	24	16.7	1.2	42.3	19.4
M98-267027	35.6	36	-0.8	1.3	27	14.8	1.7	40.5	20.4
M98-267112	36.2	31	-1.2	1.3	26	15.7	1.7	40.7	19.4
M98-270026	32.7	42	-4.7	1.1	20	15.3	1.4	42.1	19.6
ND99-2621C	35.1	38	-3.6	1.2	23	13.8	1.7	41.2	19.9
ND01-1247	40.1	12	0.9	1.3	23	15.4	2.0	38.5	19.9
ND01-2592	41.1	8	1.0	1.3	28	16.0	1.8	39.9	20.7
ND01-2599	44.1	1	1.3	1.3	28	16.2	1.6	39.4	21.2
ND01-2719	37.2	29	1.7	1.2	26	15.4	1.4	39.3	20.2
ND01-2822	39.6	15	-2.4	1.3	25	14.8	2.0	39.4	20.8
ND01-3491	38.5	24	4.2	1.4	29	15.9	2.1	40.0	20.3
ND01-3533	39.0	21	6.8	1.9	28	14.3	2.2	41.3	19.6
ND01-3535	39.2	17	6.7	1.8	28	14.4	2.4	41.3	19.4
ND01-3550	38.9	22	2.1	1.3	28	15.0	2.1	40.2	20.0
ND01-3559	40.0	13	1.8	1.4	28	15.5	1.5	40.0	20.2
ND01-3739	43.7	2	2.8	1.5	27	14.2	1.2	38.2	20.6
ND01-3789	40.3	11	2.4	1.2	26	14.4	1.7	39.5	19.5
ND01-3896	39.8	14	2.8	1.3	27	15.8	2.0	39.3	20.1
ND01-3937	38.2	25	-0.8	1.1	26	15.5	1.4	40.4	20.4
ND01-3940	38.8	23	0.3	1.2	26	15.8	1.5	40.2	20.2
ND01-3966	41.4	7	-1.4	1.3	28	16.4	1.9	39.9	20.3
ND01-4266	39.2	17	1.2	1.3	27	16.1	1.8	40.4	20.9
OAC 03-13	37.5	28	0.8	1.3	28	15.5	1.3	40.4	20.6
OAC 03-21	42.1	4	-2.7	1.4	26	17.7	1.5	39.5	20.4
SD00-41	39.0	20	6.9	1.8	28	16.3	2.0	40.9	19.4
SD00-50	35.9	33	3.4	1.3	29	16.9	1.9	40.7	20.1
SD00-141	38.1	26	3.6	1.6	29	15.0	1.3	40.2	19.9
SD00-167	42.4	3	5.3	1.6	31	17.8	1.8	40.5	20.1
SD00-266	41.7	5	5.2	1.4	27	15.2	1.6	41.1	19.7
SD00-405	38.1	26	2.2	1.5	29	16.0	1.5	42.6	19.1
SD00-719	40.7	9	2.0	1.2	27	17.1	1.5	42.0	19.4
SD00-1563	39.4	16	4.4	1.5	31	17.7	2.0	41.3	19.6
SD00-1588	40.4	10	5.2	1.5	33	17.9	1.6	41.0	19.4
U01-190123	39.2	17	3.4	1.6	29	16.5	1.1	39.7	19.2

120.5 Days After Planting

PRELIMINARY TEST 0, 2004

YIELD (bu/a)

Strain	Mean 8 Tests	St Bruno									
		Morris MN	Rosemount MN	Casselton* ND	Beemer NE	Cotesfield* NE	Goehner NE	Ottawa ONT	Woodstock ONT	Montarville Que.	Brookings SD
Lambert (0)	30.3	22.3	29.4	13.5	31.7	24.8	33.6	36.0	31.6	45.2	12.8
Parker (I)	41.5	35.9	33.4	14.9	43.3	37.7	38.7	42.6	43.6	63.1	31.7
Surge (L)	36.9	30.4	28.7	26.8	38.9	55.2	34.3	39.5	42.5	55.6	25.5
Trail (E)	32.1	28.2	28.1	24.9	25.0	34.8	34.9	30.0	34.1	49.1	27.3
M98-133-20012	36.2	31.1	28.3	15.0	36.5	31.5	33.1	38.3	38.9	57.2	26.3
M98-212006	34.4	29.5	30.6	22.1	29.4	35.9	33.7	35.2	31.9	56.3	28.5
M98-227027	32.5	23.3	30.0	10.2	28.4	47.1	34.7	38.7	27.0	53.4	24.5
M98-237086	35.0	22.3	31.6	22.0	36.9	45.8	30.1	36.6	39.5	53.1	30.2
M98-238010	33.5	19.6	33.3	16.5	30.5	38.4	34.3	34.9	36.5	54.3	24.8
M98-239080	35.3	27.7	32.8	23.1	37.9	42.4	33.6	38.4	32.7	51.0	28.4
M98-240104	30.9	19.4	28.7	16.4	29.8	37.3	32.2	38.4	28.3	37.7	33.0
M98-252008	35.9	28.9	34.3	15.8	34.1	29.0	34.6	38.6	35.1	51.7	29.6
M98-259060	35.9	22.9	35.8	23.1	32.5	53.0	34.4	34.6	45.3	52.0	29.6
M98-267027	35.6	22.0	35.8	24.6	31.2	47.2	34.0	33.8	42.5	58.2	27.2
M98-267112	36.2	25.9	36.3	24.9	30.9	40.3	28.9	39.0	40.8	57.7	30.1
M98-270026	32.7	27.2	32.6	19.8	29.7	41.5	30.7	37.9	27.0	50.4	26.1
ND99-2621C	35.1	30.4	31.9	17.7	35.7	41.6	34.6	36.1	36.1	46.2	29.5
ND01-1247	40.1	36.3	34.3	26.8	39.1	54.9	39.0	41.1	39.1	56.6	35.0
ND01-2592	41.1	31.2	38.6	24.4	41.1	56.3	33.5	42.1	49.4	59.0	33.9
ND01-2599	44.1	34.5	41.4	17.9	42.8	57.1	33.3	47.6	49.9	64.5	38.4
ND01-2719	37.2	34.3	34.3	23.4	40.4	51.9	33.0	36.6	38.5	53.5	27.0
ND01-2822	39.6	33.4	31.6	16.9	43.3	42.9	35.5	40.1	40.7	57.2	35.3
ND01-3491	38.5	29.5	30.6	20.4	37.8	49.7	42.6	35.4	46.0	58.2	28.0
ND01-3533	39.0	32.9	26.5	19.4	40.8	42.4	32.0	37.4	42.3	65.6	34.4
ND01-3535	39.2	33.5	31.9	23.7	41.0	45.9	34.9	34.6	43.6	63.1	31.0
ND01-3550	38.9	29.9	34.0	21.7	36.1	56.3	34.1	42.3	43.6	58.7	32.9
ND01-3559	40.0	37.3	35.0	21.6	39.0	62.1	32.0	40.3	40.5	64.9	30.7
ND01-3739	43.7	36.2	34.4	10.8	45.5	51.9	39.8	45.5	44.1	69.8	34.3
ND01-3789	40.3	30.7	37.8	23.4	38.6	58.0	36.0	41.5	44.5	58.6	35.0
ND01-3896	39.8	35.9	39.0	24.4	42.3	55.8	35.1	41.7	36.1	58.9	29.4
ND01-3937	38.2	33.3	33.7	26.3	38.3	56.3	31.7	40.4	35.5	62.6	30.1
ND01-3940	38.8	32.6	34.9	26.6	37.0	53.6	32.6	42.2	39.3	60.2	31.3
ND01-3966	41.4	31.4	36.6	22.7	42.2	57.3	41.2	44.1	47.9	57.3	30.5
ND01-4266	39.2	29.4	38.4	17.0	35.6	55.1	39.0	39.5	42.1	58.7	30.6
OAC 03-13	37.5	24.9	33.2	19.3	35.6	50.3	34.6	38.0	41.4	60.7	31.3
OAC 03-21	42.1	31.8	40.1	23.0	37.9	44.1	42.6	41.3	49.0	57.8	36.6
SD00-41	39.0	23.6	34.3	15.5	45.5	54.3	25.9	43.9	43.6	64.3	31.1
SD00-50	35.9	21.6	31.6	21.7	36.4	62.9	29.5	36.5	36.6	60.9	34.1
SD00-141	38.1	29.4	32.0	20.6	40.7	44.8	34.5	38.0	42.7	59.9	27.3
SD00-167	42.4	34.5	35.1	11.5	39.6	62.7	33.8	44.3	53.9	64.6	33.1
SD00-266	41.7	35.7	35.7	7.3	44.5	49.2	35.4	43.5	41.6	68.2	28.8
SD00-405	38.1	31.4	35.6	16.6	38.1	39.4	32.5	39.7	48.8	52.1	26.9
SD00-719	40.7	31.6	33.8	25.3	39.5	67.5	43.8	44.8	41.6	57.2	33.0
SD00-1563	39.4	31.4	36.2	16.4	42.1	54.0	33.0	43.5	44.2	56.2	29.0
SD00-1588	40.4	28.8	31.6	18.3	44.9	44.1	31.9	44.2	44.3	62.1	35.6
U01-190123	39.2	32.9	34.0	15.9	44.8	66.8	33.0	34.8	45.0	56.6	32.3
C.V. (%)		14.3	9.6	27.1	6.9	20.0	15.5	6.6	4.6	6.6	8.9
L.S.D. (5%)		8.6	6.5	8.6	6.4	24.2	13.7	4.3	3.8	7.6	5.4
Row Sp. (In.)		10	10	30	30	30	30	16	14	7	30
Rows/Plot		4	4	4	4	4	4	4	4	5	4
Reps		2	2	3	2	2	2	3	2	2	2

PRELIMINARY TEST 0, 2004

YIELD RANK

Strain	Yield Rank	Morris MN	Rosemount MN	Casselton ND	Beemer NE	Cotesfield NE	Goehner NE	Ottawa ONT	Woodstock ONT	St Bruno	
										Montarville Que.	Brookings SD
Lambert (O)	46	41	41	42	38	46	27	38	43	45	46
Parker (I)	6	4	26	41	6	40	8	10	14	8	16
Surge (L)	30	24	42	1	21	13	21	22	19	33	43
Trail (E)	44	33	45	6	46	43	13	46	40	43	36
M98-133-20012	31	22	44	40	30	44	31	29	32	26	41
M98-212006	40	27	38	18	44	42	26	40	42	31	33
M98-227027	43	39	40	45	45	26	15	25	45	36	45
M98-237086	39	41	34	19	29	28	43	34	29	37	24
M98-238010	41	45	27	34	41	39	21	41	35	34	44
M98-239080	37	34	29	14	25	33	27	27	41	41	34
M98-240104	45	46	42	35	42	41	37	28	44	46	12
M98-252008	35	31	18	38	36	45	16	26	39	40	27
M98-259060	33	40	10	14	37	19	20	43	8	39	27
M98-267027	36	43	10	8	39	24	24	45	19	22	38
M98-267112	31	36	8	6	40	37	45	24	26	24	25
M98-270026	42	35	30	25	43	36	42	32	45	42	42
ND99-2621C	38	24	32	30	33	35	16	37	36	44	29
ND01-1247	12	2	18	1	19	15	6	17	31	30	5
ND01-2592	8	21	4	9	12	9	29	13	3	16	10
ND01-2599	1	7	1	29	8	8	30	1	2	6	1
ND01-2719	29	9	18	12	16	20	32	35	33	35	39
ND01-2822	15	11	34	32	6	32	10	20	27	27	4
ND01-3491	24	27	38	24	27	23	2	39	7	21	35
ND01-3533	21	13	46	26	14	33	38	33	21	3	7
ND01-3535	17	10	32	11	13	27	13	44	14	9	20
ND01-3550	22	26	22	20	32	9	23	11	14	19	14
ND01-3559	13	1	15	22	20	5	38	19	28	4	21
ND01-3739	2	3	17	44	1	20	5	2	13	1	8
ND01-3789	11	23	6	12	22	6	9	15	10	20	5
ND01-3896	14	4	3	9	9	12	12	14	36	17	30
ND01-3937	25	12	25	4	23	9	41	18	38	10	25
ND01-3940	23	15	16	3	28	18	35	12	30	14	17
ND01-3966	7	18	7	17	10	7	4	6	6	25	23
ND01-4266	17	29	5	31	34	14	6	23	22	18	22
OAC 03-13	28	37	28	27	34	22	16	30	25	13	17
OAC 03-21	4	16	2	16	25	30	2	16	4	23	2
SD00-41	20	38	18	39	1	16	46	7	14	7	19
SD00-50	33	44	34	20	31	3	44	36	34	12	9
SD00-141	26	29	31	22	15	29	19	31	18	15	36
SD00-167	3	7	14	43	17	4	25	4	1	5	11
SD00-266	5	6	12	46	5	24	11	8	23	2	32
SD00-405	26	18	13	33	24	38	36	21	5	38	40
SD00-719	9	17	24	5	18	1	1	3	23	28	12
SD00-1563	16	18	9	35	11	17	32	9	12	32	31
SD00-1588	10	32	34	28	3	30	40	5	11	11	3
U01-190123	17	13	22	37	4	2	32	42	9	29	15

PRELIMINARY TEST 0, 2004

MATURITY (date)

Strain	Mean	Morris MN	Rosemount MN	Casseltown ND	Beemer NE	Cotesfield NE	Goehner NE	Ottawa ONT	Woodstock ONT	St Bruno	
	9 Tests									Montarville Que.	Brookings SD
Lambert (0)	9/20	9/19	9/8	10/7		9/15	9/6	9/19	10/3	9/25	9/19
Parker (I)	6.6	15	6	3		6	7	7	6	5	5
Surge (L)	3.1	11	3	-2		5	5	2	5	0	0
Trall (E)	-6.9	-1	-2	-10		-7	-7	-9	-7	-11	-8
M98-133-20012	1.2	11	2	2		-2	3	-2	-1	-1	-1
M98-212006	-2.4	8	0	-2		-2	-4	-5	-6	-7	-4
M98-227027	-2.4	12	0	-2		-3	-4	-3	-8	-8	-6
M98-237086	2.2	12	5	-1		-1	0	3	-1	-1	4
M98-238010	-1.2	10	1	0		0	-3	-2	-4	-9	-4
M98-239080	1.9	14	4	-1		0	1	0	-1	-1	1
M98-240104	0.2	12	2	1		-1	0	-1	-6	-4	-1
M98-252008	-2.7	7	1	0		-3	-4	-6	-6	-9	-4
M98-259060	0.8	15	1	0		-1	-1	-1	0	-2	-4
M98-267027	-0.8	8	0	-1		-2	-1	-1	-3	-5	-3
M98-267112	-1.2	6	1	-3		-2	-1	-3	-4	-4	-1
M98-270026	-4.7	2	-1	-8		-5	-6	-4	-6	-10	-5
ND99-2621C	-3.6	0	-1	-1		-5	-3	-6	-3	-7	-7
ND01-1247	0.9	10	1	1		1	1	1	-4	0	-2
ND01-2592	1.0	14	0	2		1	1	-2	-3	-1	-3
ND01-2599	1.3	13	0	1		3	1	0	-4	0	-2
ND01-2719	1.7	15	1	2		3	3	-2	-5	0	-2
ND01-2822	-2.4	3	0	-3		-2	0	-3	-7	-5	-5
ND01-3491	4.2	14	5	3		7	6	3	-2	2	1
ND01-3533	6.8	15	7	3		10	7	4	4	5	7
ND01-3535	6.7	15	5	3		11	7	5	7	5	2
ND01-3550	2.1	12	2	2		5	2	1	-5	1	0
ND01-3559	1.8	6	2	2		6	3	1	-7	4	-1
ND01-3739	2.8	12	2	1		6	2	1	-4	3	3
ND01-3789	2.4	14	2	3		3	2	1	-5	-2	4
ND01-3896	2.8	12	2	1		6	2	1	-1	1	2
ND01-3937	-0.8	7	0	0		0	1	-3	-5	-4	-3
ND01-3940	0.3	11	0	2		1	0	-3	-2	-4	-2
ND01-3966	-1.4	8	0	-1		-2	-2	-2	-7	-3	-4
ND01-4266	1.2	12	2	2		-1	2	-1	-2	-1	-2
OAC 03-13	0.8	15	1	-3		-1	0	1	-1	-2	-3
OAC 03-21	-2.7	7	0	1		-5	-1	-4	-6	-8	-8
SD00-41	6.9	18	6	3		6	9	8	6	7	0
SD00-50	3.4	15	4	1		2	3	3	-1	1	3
SD00-141	3.6	15	6	1		0	5	4	-5	4	2
SD00-167	5.3	18	6	2		3	4	7	1	5	2
SD00-266	5.2	16	5	3		4	4	6	2	5	2
SD00-405	2.2	7	4	3		0	1	-1	4	-1	3
SD00-719	2.0	12	2	1		2	1	2	-3	0	2
SD00-1563	4.4	15	5	3		0	3	4	2	4	4
SD00-1588	5.2	15	6	3		3	3	4	4	5	4
U01-190123	3.4	14	5	3		3	1	2	1	-1	3
Date Planted	5/22	5/20	5/7	5/20	5/28	5/20	5/28	5/20	6/10	5/29	5/13
Days to Mature	121	122	124	140		118	101	122	115	119	129

PRELIMINARY TEST 0, 2004

LODGING (score)

Strain	Mean	Morris MN	Rosemount MN	Casselton ND	Beemer NE	Cotesfield NE	Goehner NE	Ottawa ONT	Woodstock ONT	St Bruno	
	9 Tests									Montarville Que.	Brookings SD
Lambert (O)	1.6	2.0	1.0	1.0		5.0	1.0	1.0	1.0	1.0	1.0
Parker (I)	2.1	2.0	2.0	1.0		4.0	2.0	1.8	1.0	4.0	1.0
Surge (L)	1.2	1.0	1.0	1.0		2.5	1.0	1.1	1.0	1.5	1.0
Trail (E)	1.2	1.0	1.0	1.0		2.0	1.5	1.0	1.0	1.0	1.0
M98-133-20012	1.6	1.0	1.0	1.0		3.5	2.0	1.0	1.0	3.0	1.0
M98-212006	1.2	1.0	1.0	1.0		2.0	1.0	1.0	1.0	1.5	1.0
M98-227027	1.2	1.0	1.0	1.0		2.5	1.0	1.0	1.0	1.0	1.0
M98-237086	1.6	1.0	1.5	1.0		3.0	1.5	1.2	1.0	3.0	1.0
M98-238010	1.2	1.0	1.0	1.0		2.5	1.0	1.0	1.0	1.5	1.0
M98-239080	1.2	1.0	1.0	1.0		2.5	1.5	1.0	1.0	1.0	1.0
M98-240104	1.2	1.0	1.0	1.0		2.5	1.0	1.0	1.0	1.0	1.0
M98-252008	1.3	1.0	1.0	1.0		3.0	1.5	1.0	1.0	1.0	1.0
M98-259060	1.2	1.0	1.0	1.0		2.5	1.0	1.0	1.0	1.5	1.0
M98-267027	1.3	1.0	1.0	1.0		2.5	1.5	1.0	1.0	2.0	1.0
M98-267112	1.3	1.0	1.0	1.0		3.0	1.0	1.0	1.0	1.5	1.0
M98-270026	1.1	1.0	1.0	1.0		2.0	1.0	1.0	1.0	1.0	1.0
ND99-2621C	1.2	1.0	1.0	1.0		2.0	1.5	1.0	1.0	1.0	1.0
ND01-1247	1.3	1.0	1.0	1.0		3.0	1.5	1.0	1.0	1.0	1.0
ND01-2592	1.3	1.0	1.0	1.0		3.0	1.0	1.0	1.0	1.5	1.0
ND01-2599	1.3	1.0	1.0	1.0		3.0	1.0	1.0	1.0	2.0	1.0
ND01-2719	1.2	1.0	1.0	1.0		3.0	1.0	1.0	1.0	1.0	1.0
ND01-2822	1.3	1.0	1.0	1.0		3.5	1.5	1.0	1.0	1.0	1.0
ND01-3491	1.4	1.0	1.0	1.0		3.0	1.5	1.0	1.0	2.0	1.0
ND01-3533	1.9	1.5	1.5	1.0		4.0	2.0	1.3	1.0	4.0	1.0
ND01-3535	1.8	1.0	1.5	1.0		3.0	2.0	1.6	1.2	4.0	1.0
ND01-3550	1.3	1.0	1.0	1.0		2.5	1.5	1.0	1.0	2.0	1.0
ND01-3559	1.4	1.0	1.0	1.0		3.0	1.5	1.0	1.1	2.0	1.0
ND01-3739	1.5	1.0	1.0	1.0		3.0	1.5	1.0	1.0	3.0	1.0
ND01-3789	1.2	1.0	1.0	1.0		2.5	1.0	1.0	1.0	1.0	1.0
ND01-3896	1.3	1.0	1.0	1.0		2.5	1.5	1.0	1.0	1.5	1.0
ND01-3937	1.1	1.0	1.0	1.0		2.0	1.0	1.0	1.0	1.0	1.0
ND01-3940	1.2	1.0	1.0	1.0		2.5	1.0	1.0	1.0	1.0	1.0
ND01-3966	1.3	1.0	1.0	1.0		3.5	1.5	1.0	1.0	1.0	1.0
ND01-4266	1.3	1.0	1.0	1.0		3.0	1.0	1.0	1.0	1.5	1.0
OAC 03-13	1.3	1.0	1.0	1.0		3.0	1.5	1.0	1.0	1.5	1.0
OAC 03-21	1.4	1.0	1.0	1.0		3.0	2.0	1.0	1.0	1.5	1.0
SD00-41	1.8	1.5	1.0	1.0		3.0	2.0	1.8	1.0	3.5	1.0
SD00-50	1.3	1.0	1.0	1.0		3.0	1.0	1.0	1.0	2.0	1.0
SD00-141	1.6	1.0	1.0	1.0		3.5	1.5	1.3	1.0	3.0	1.0
SD00-167	1.6	1.0	1.0	1.0		3.0	1.5	1.3	1.1	3.5	1.0
SD00-266	1.4	1.0	1.0	1.0		3.0	1.0	1.1	1.0	2.5	1.0
SD00-405	1.5	1.0	1.0	1.0		2.5	2.0	1.0	1.0	3.0	1.0
SD00-719	1.2	1.0	1.0	1.0		2.5	1.0	1.0	1.1	1.5	1.0
SD00-1563	1.5	1.0	1.0	1.0		3.0	1.5	1.1	1.0	3.0	1.0
SD00-1588	1.5	1.0	1.0	1.0		3.0	1.5	1.1	1.0	3.0	1.0
U01-190123	1.6	1.0	1.0	1.0		3.5	2.0	1.3	1.0	2.5	1.0

PRELIMINARY TEST 0, 2004

PLANT HEIGHT (inches)

Strain	Mean	St Bruno									
	8 Tests	Morris MN	Rosemount MN	Casselton ND	Beemer NE	Cotesfield NE	Goehner NE	Ottawa ONT	Woodstock ONT	Montarville Que.	Brookings SD
Lambert (0)	25	28	34	18			22	22	24	28	22
Parker (I)	33	36	39	23			31	29	30	46	33
Surge (L)	26	31	32	22			23	23	24	32	25
Trall (E)	24	29	29	23			23	20	16	29	26
M98-133-20012	28	29	36	18			28	25	28	35	28
M98-212006	27	29	33	19			23	22	21	35	30
M98-227027	26	29	35	17			23	22	21	33	25
M98-237086	29	31	37	21			26	26	29	36	27
M98-238010	26	29	34	19			25	22	20	31	27
M98-239080	26	27	33	25			25	24	19	31	27
M98-240104	25	26	34	19			24	22	23	26	30
M98-252008	28	30	36	20			29	26	26	32	28
M98-259060	24	24	29	20			21	21	22	30	24
M98-267027	27	26	36	22			24	24	23	34	27
M98-267112	26	26	33	22			22	22	24	33	28
M98-270026	20	21	26	17			17	19	16	27	20
ND99-2621C	23	25	27	17			21	21	18	28	25
ND01-1247	23	25	28	17			24	21	20	28	24
ND01-2592	28	33	37	23			26	22	24	30	30
ND01-2599	28	31	37	18			25	24	23	35	33
ND01-2719	26	33	31	18			26	22	20	32	25
ND01-2822	25	33	34	14			22	21	22	29	26
ND01-3491	29	31	37	23			29	25	24	37	27
ND01-3533	28	29	33	19			24	27	22	37	30
ND01-3535	28	29	33	25			27	26	21	38	28
ND01-3550	28	31	36	19			27	24	22	34	32
ND01-3559	28	34	36	20			25	24	20	34	27
ND01-3739	27	31	36	6			27	26	22	39	29
ND01-3789	26	30	32	19			24	22	20	34	25
ND01-3896	27	29	33	21			27	25	21	29	28
ND01-3937	26	29	33	19			22	23	21	32	27
ND01-3940	26	29	35	23			25	21	22	32	24
ND01-3966	28	28	39	18			28	24	24	32	30
ND01-4266	27	31	37	18			27	24	24	34	25
OAC 03-13	28	25	35	23			27	23	24	32	34
OAC 03-21	26	27	32	21			26	23	19	31	26
SD00-41	28	27	40	21			27	26	25	35	27
SD00-50	29	29	37	23			26	24	25	37	29
SD00-141	29	29	42	22			23	26	24	42	25
SD00-167	31	32	38	20			28	26	26	43	36
SD00-266	27	31	35	13			27	24	24	36	30
SD00-405	29	33	37	21			28	27	25	37	27
SD00-719	27	31	34	21			26	22	22	33	27
SD00-1563	31	34	40	22			29	29	25	38	32
SD00-1588	33	33	42	25			28	30	28	40	37
U01-190123	29	30	36	20			28	26	24	35	30

PRELIMINARY TEST 0, 2004

SEED SIZE (g/100)

Strain	Mean	Morris MN	Rosemount MN	Casselton ND	Beemer NE	Cotesfield NE	Goehner NE	Ottawa ONT	Woodstock ONT	St Bruno	
	10 Tests									Montarville Que.	Brookings SD
Lambert (0)	15.5	15.8	13.1	14.8	14.3	19.2	16.7	15.9	15.2	16.1	14.3
Parker (I)	17.1	17.3	13.6	14.1	16.0	20.4	19.4	17.1	17.2	19.5	16.4
Surge (L)	18.1	19.6	13.4	16.6	17.8	21.4	20.1	18.6	17.7	19.3	16.2
Trall (E)	15.8	15.9	13.7	17.4	13.5	16.0	16.3	17.5	16.1	17.9	13.9
M98-133-20012	13.7	13.7	12.5	12.2	13.4	16.3	14.9	14.4	12.9	14.9	12.0
M98-212006	15.0	15.6	13.1	15.4	14.7	17.5	16.6	15.6	13.7	15.4	12.6
M98-227027	14.6	15.7	12.3	13.4	14.0	16.4	16.6	15.0	15.1	15.0	12.5
M98-237086	14.3	14.5	13.0	14.2	13.4	16.5	14.4	14.7	13.9	15.4	13.5
M98-238010	14.6	14.1	12.6	14.2	13.4	17.0	16.8	16.2	13.2	16.1	12.7
M98-239080	15.7	15.6	14.0	16.4	14.4	17.0	15.8	16.4	16.9	16.9	13.6
M98-240104	14.0	14.6	11.4	12.6	13.0	16.2	15.8	15.9	14.1	13.8	12.6
M98-252008	14.7	14.7	12.9	15.0	14.4	14.7	15.5	15.9	15.8	15.5	13.1
M98-259060	16.7	18.6	15.5	18.1	14.2	17.4	17.1	17.3	16.5	18.3	14.3
M98-267027	14.8	16.7	12.0	15.5	13.9	16.8	17.4	14.8	14.5	15.6	10.9
M98-267112	15.7	15.0	13.4	15.5	15.7	17.5	17.5	16.7	15.9	16.0	13.7
M98-270026	15.3	15.1	14.1	17.1	14.8	15.8	16.5	16.9	14.3	16.1	12.3
ND99-2621C	13.8	14.3	11.9	15.9	13.6	14.4	15.5	14.0	12.7	13.1	12.4
ND01-1247	15.4	16.3	13.2	14.6	14.9	17.9	17.0	16.0	15.2	15.9	13.3
ND01-2592	16.0	16.4	13.0	14.7	15.9	18.2	18.9	16.9	15.4	16.5	14.0
ND01-2599	16.2	16.2	13.6	14.5	16.1	18.7	18.6	17.1	15.4	17.0	15.3
ND01-2719	15.4	17.2	13.0	14.7	14.9	17.6	17.8	15.4	14.5	16.1	12.4
ND01-2822	14.8	13.7	13.1	14.3	15.6	16.9	17.2	16.1	14.0	15.7	11.6
ND01-3491	15.9	15.2	12.9	14.6	15.6	18.9	18.0	16.7	15.9	17.8	13.6
ND01-3533	14.3	14.6	13.2	12.3	12.9	16.1	15.3	15.1	13.4	17.4	12.5
ND01-3535	14.4	16.0	13.5	13.2	12.8	16.2	15.2	14.4	13.2	16.9	12.5
ND01-3550	15.0	14.8	12.1	15.7	12.9	17.2	16.2	16.1	15.5	16.5	12.9
ND01-3559	15.5	15.2	12.3	13.7	16.0	18.7	18.6	16.2	15.1	16.8	11.9
ND01-3739	14.2	14.2	12.1	14.8	13.3	16.1	15.7	14.9	13.1	16.0	12.1
ND01-3789	14.4	13.6	12.4	14.4	14.0	16.5	15.3	15.0	13.5	15.7	13.2
ND01-3896	15.8	16.1	14.0	16.6	13.7	17.8	15.7	16.1	16.0	17.0	15.1
ND01-3937	15.5	15.4	12.6	14.7	15.0	18.0	17.6	16.4	13.2	18.0	14.3
ND01-3940	15.8	15.8	14.3	15.0	15.4	17.2	19.0	16.2	13.5	18.0	13.6
ND01-3966	16.4	16.5	13.7	14.6	16.4	18.4	19.8	16.9	15.3	17.6	14.4
ND01-4266	16.1	16.3	14.3	15.7	16.5	18.2	17.7	16.7	13.9	18.1	13.9
OAC 03-13	15.5	15.4	12.6	15.6	14.6	17.2	15.9	18.0	15.4	17.4	13.4
OAC 03-21	17.7	16.9	15.4	17.1	16.2	19.4	20.0	18.6	18.3	20.0	15.0
SD00-41	16.3	17.5	13.9	15.7	15.5	17.5	16.7	17.7	16.0	18.4	14.1
SD00-50	16.9	17.6	15.2	15.5	15.3	19.5	17.8	17.5	17.0	18.8	14.4
SD00-141	15.0	14.6	15.4	14.4	14.7	17.5	17.1	14.9	13.3	16.4	12.1
SD00-167	17.8	18.1	15.1	15.5	16.7	21.4	18.6	19.0	17.4	20.5	15.3
SD00-266	15.2	15.2	12.7	12.5	15.0	17.6	16.6	16.4	15.9	17.0	13.2
SD00-405	16.0	15.7	14.1	15.1	15.6	18.2	19.1	15.9	15.3	17.0	13.8
SD00-719	17.1	17.8	15.7	17.4	15.8	18.1	17.2	18.3	16.2	19.2	15.0
SD00-1563	17.7	17.2	15.0	16.3	17.0	20.8	18.9	18.0	18.4	19.1	16.6
SD00-1588	17.9	17.4	15.2	16.7	18.2	20.5	18.8	18.8	17.5	19.7	16.4
U01-190123	16.5	16.9	14.6	15.4	15.4	19.3	18.6	16.7	15.8	17.8	14.5

PRELIMINARY TEST 0, 2004

SEED QUALITY (score)

Strain	Mean	St Bruno									
	7 Tests	Morris MN	Rosemount MN	Casselton ND	Beemer NE	Cotesfield NE	Goehner NE	Ottawa ONT	Woodstock ONT	Montarville Que.	Brookings SD
Lambert (0)	1.4	1.0	1.0	2.0				1.3	1.5	1.0	2.0
Parker (I)	1.5	1.0	1.0	1.0				2.0	1.5	2.0	2.0
Surge (L)	1.5	1.0	1.3	2.0				2.0	1.5	1.0	2.0
Trall (E)	1.4	1.0	1.0	1.0				2.0	1.5	1.0	2.0
M98-133-20012	1.4	1.5	1.3	1.0				1.3	1.5	1.0	2.0
M98-212006	1.4	1.0	1.0	1.0				1.3	1.5	1.0	3.0
M98-227027	1.4	1.0	1.0	1.0				2.0	2.0	1.0	2.0
M98-237086	1.9	1.3	1.7	1.0				2.0	2.0	2.0	3.0
M98-238010	2.1	1.5	1.3	3.0				2.7	2.0	2.0	2.0
M98-239080	1.4	1.5	1.0	1.0				1.3	2.0	1.0	2.0
M98-240104	1.5	1.0	1.3	2.0				2.0	1.5	1.0	2.0
M98-252008	1.3	1.0	1.0	1.0				1.7	1.5	1.0	2.0
M98-259060	1.2	1.0	1.0	1.0				1.0	1.5	1.0	2.0
M98-267027	1.7	1.0	1.3	2.0				2.0	1.5	1.0	3.0
M98-267112	1.7	2.0	1.3	2.0				2.0	1.5	1.0	2.0
M98-270026	1.4	1.0	1.0	1.0				1.7	1.5	1.5	2.0
ND99-2621C	1.7	1.0	1.7	1.0				2.0	2.0	1.0	3.0
ND01-1247	2.0	1.0	1.7	1.0				2.0	3.0	2.0	3.0
ND01-2592	1.8	2.0	1.3	2.0				2.0	2.0	1.0	2.0
ND01-2599	1.6	2.5	1.0	1.0				1.7	2.0	1.0	2.0
ND01-2719	1.4	1.0	1.0	1.0				1.7	2.0	1.0	2.0
ND01-2822	2.0	2.0	1.3	2.0				2.7	2.0	1.0	3.0
ND01-3491	2.1	1.3	1.0	2.0				2.0	2.5	3.0	3.0
ND01-3533	2.2	1.7	1.3	2.0				2.7	1.5	3.0	3.0
ND01-3535	2.4	1.3	2.0	3.0				2.7	1.5	3.0	3.0
ND01-3550	2.1	1.0	1.7	3.0				2.7	2.5	1.0	3.0
ND01-3559	1.5	1.0	1.0	1.0				2.0	1.5	1.0	3.0
ND01-3739	1.2	1.0	1.0	1.0				1.0	1.5	1.0	2.0
ND01-3789	1.7	1.3	1.7	1.0				2.0	2.0	1.0	3.0
ND01-3896	2.0	1.0	1.7	3.0				1.7	2.5	1.0	3.0
ND01-3937	1.4	1.0	1.3	1.0				2.0	1.5	1.0	2.0
ND01-3940	1.5	1.0	1.0	2.0				2.0	1.5	1.0	2.0
ND01-3966	1.9	1.3	1.0	3.0				2.3	1.5	1.0	3.0
ND01-4266	1.8	1.0	1.3	2.0				2.0	1.5	1.5	3.0
OAC 03-13	1.3	1.0	1.0	1.0				1.7	1.5	1.0	2.0
OAC 03-21	1.5	1.3	1.3	1.0				1.3	1.5	1.0	3.0
SD00-41	2.0	1.3	1.3	1.0				2.7	1.5	3.0	3.0
SD00-50	1.9	1.3	1.3	2.0				2.0	1.5	2.0	3.0
SD00-141	1.3	1.2	1.0	1.0				1.7	1.5	1.0	2.0
SD00-167	1.8	1.2	2.0	2.0				2.7	1.5	1.5	2.0
SD00-266	1.6	1.0	1.0	1.0				1.3	1.5	1.5	4.0
SD00-405	1.5	1.5	1.3	1.0				2.3	1.5	1.0	2.0
SD00-719	1.5	1.5	1.3	1.0				2.0	1.5	1.5	2.0
SD00-1563	2.0	1.5	1.3	3.0				2.0	1.5	1.5	3.0
SD00-1588	1.6	1.5	1.3	2.0				2.0	1.5	1.0	2.0
U01-190123	1.1	1.0	1.0	1.0				1.0	1.5	1.0	1.0

PRELIMINARY TEST 0, 2004

PROTEIN (%)

Strain	Mean 5 Tests	Morris MN	Rosemount MN	Ottawa ONT	Woodstock ONT	St. Bruno Montarville Que.
Lambert (O)	41.7	41.5	40.0	40.6	45.4	41.2
Parker (I)	40.8	38.6	41.3	40.4	42.6	41.0
Surge (L)	42.2	42.3	40.8	41.5	43.6	42.5
Traill (E)	42.1	41.1	38.7	42.5	45.0	43.1
M98-133-20012	42.1	41.4	41.6	41.3	43.8	42.4
M98-212006	41.9	42.2	40.4	41.6	42.9	42.6
M98-227027	41.5	42.1	40.8	40.7	42.8	41.3
M98-237086	41.2	39.1	41.9	41.4	42.2	41.5
M98-238010	41.4	40.1	38.9	41.2	43.8	43.1
M98-239080	40.9	42.0	36.5	40.6	43.8	41.8
M98-240104	40.4	41.0	38.4	39.8	42.0	40.7
M98-252008	42.1	41.1	43.2	41.6	42.8	41.6
M98-259060	42.3	41.4	40.8	41.6	44.3	43.5
M98-267027	40.5	39.3	39.5	40.9	41.4	41.2
M98-267112	40.7	39.5	39.6	40.7	41.7	41.8
M98-270026	42.1	40.4	41.7	42.3	43.7	42.6
ND99-2621C	41.2	40.2	39.4	41.6	43.3	41.3
ND01-1247	38.5	36.3	37.8	39.0	40.6	38.9
ND01-2592	39.9	40.4	38.8	39.1	41.0	40.2
ND01-2599	39.4	38.0	38.8	39.0	41.1	40.0
ND01-2719	39.3	40.3	38.5	39.7	39.7	38.3
ND01-2822	39.4	37.8	38.4	39.1	41.3	40.6
ND01-3491	40.0	38.3	41.0	39.1	41.6	40.2
ND01-3533	41.3	39.8	42.8	40.8	41.9	41.1
ND01-3535	41.3	40.7	42.2	40.9	41.9	41.0
ND01-3550	40.2	38.5	39.7	39.8	42.6	40.5
ND01-3559	40.0	37.8	40.9	40.1	41.4	40.0
ND01-3739	38.2	38.0	38.6	37.3	40.2	36.7
ND01-3789	39.5	39.2	38.8	39.0	40.9	39.4
ND01-3896	39.3	38.1	39.6	39.1	41.2	38.4
ND01-3937	40.4	39.9	41.1	39.2	41.6	40.0
ND01-3940	40.2	39.6	41.1	39.1	40.8	40.2
ND01-3966	39.9	40.4	38.5	39.7	40.4	40.6
ND01-4266	40.4	39.1	41.4	39.9	41.0	40.4
OAC 03-13	40.4	39.2	40.0	39.5	42.7	40.6
OAC 03-21	39.5	38.4	39.6	39.0	40.4	39.9
SD00-41	40.9	39.7	42.2	39.0	43.3	40.3
SD00-50	40.7	39.7	40.3	40.4	42.5	40.8
SD00-141	40.2	38.5	40.2	39.5	42.6	40.2
SD00-167	40.5	38.4	41.1	39.8	42.7	40.5
SD00-266	41.1	39.5	41.9	38.7	45.7	39.7
SD00-405	42.6	41.8	43.2	42.1	41.8	44.0
SD00-719	42.0	41.3	42.1	41.3	43.4	42.0
SD00-1563	41.3	40.2	41.5	40.2	43.4	41.2
SD00-1588	41.0	40.7	41.5	39.8	41.4	41.5
U01-190123	39.7	38.7	40.7	39.3	40.5	39.3

PRELIMINARY TEST 0, 2004

OIL (%)

Strain	Mean 5 Tests	Morris MN	Rosemount MN	Ottawa ONT	Woodstock ONT	St. Bruno Montarville Que.
Lambert (O)	20.3	19.2	19.6	21.8	18.9	22.3
Parker (I)	19.4	18.1	17.9	20.5	19.3	21.2
Surge (L)	19.6	18.6	17.8	21.0	19.5	21.0
Traill (E)	18.8	17.3	18.1	20.2	18.2	20.2
M98-133-20012	20.1	19.5	18.6	21.1	19.9	21.4
M98-212006	19.4	18.5	18.1	20.7	19.3	20.4
M98-227027	19.6	18.4	17.4	21.0	19.6	21.8
M98-237086	19.0	18.5	17.1	19.9	19.2	20.3
M98-238010	19.7	19.6	18.3	20.8	19.0	20.6
M98-239080	18.8	17.6	18.3	20.6	18.0	19.7
M98-240104	19.6	18.4	18.3	21.2	19.3	20.9
M98-252008	19.4	18.1	17.0	20.7	19.5	21.5
M98-259060	19.4	18.3	18.6	20.7	19.2	20.4
M98-267027	20.4	20.4	18.9	20.8	20.5	21.6
M98-267112	19.4	18.9	18.0	20.5	19.2	20.5
M98-270026	19.6	19.3	18.2	20.4	19.2	21.0
ND99-2621C	19.9	18.7	18.6	20.7	19.7	21.6
ND01-1247	19.9	17.6	18.2	21.8	20.4	21.7
ND01-2592	20.7	19.0	19.2	22.4	20.6	22.2
ND01-2599	21.2	20.6	20.1	22.3	20.6	22.2
ND01-2719	20.2	19.2	18.4	21.1	20.5	22.0
ND01-2822	20.8	19.9	19.0	22.3	20.7	22.1
ND01-3491	20.3	19.3	18.2	22.2	20.3	21.6
ND01-3533	19.6	19.2	18.0	20.4	19.6	20.7
ND01-3535	19.4	18.7	18.4	20.1	19.4	20.6
ND01-3550	20.0	19.1	18.1	21.4	20.0	21.3
ND01-3559	20.2	19.9	18.5	21.1	20.0	21.6
ND01-3739	20.6	19.7	18.6	22.3	19.9	22.5
ND01-3789	19.5	18.5	17.4	21.4	19.5	20.8
ND01-3896	20.1	18.6	17.4	21.9	20.4	22.0
ND01-3937	20.4	19.4	18.6	22.0	20.2	22.0
ND01-3940	20.2	18.1	18.3	22.1	20.9	21.8
ND01-3966	20.3	18.3	19.2	21.6	21.1	21.5
ND01-4266	20.9	20.1	19.0	22.1	21.0	22.5
OAC 03-13	20.6	19.5	18.7	22.4	20.2	22.1
OAC 03-21	20.4	19.9	18.7	22.0	20.0	21.5
SD00-41	19.4	18.8	17.4	21.4	18.6	20.6
SD00-50	20.1	19.3	18.4	21.5	19.9	21.2
SD00-141	19.9	19.9	18.3	21.2	18.9	21.0
SD00-167	20.1	19.5	18.4	21.3	19.7	21.5
SD00-266	19.7	19.0	17.4	22.1	18.0	22.0
SD00-405	19.1	18.4	17.6	20.1	20.3	19.3
SD00-719	19.4	18.2	17.7	20.8	19.3	20.9
SD00-1563	19.6	18.9	17.9	21.1	19.0	21.0
SD00-1588	19.4	18.3	17.8	21.0	19.5	20.7
U01-190123	19.2	18.7	17.5	20.3	19.0	20.7

Uniform Test I, 2004

Ent.	Strain	Parentage	Previous Testing	Generation Compositied	Unique Traits
1.	Parker (I)	A79-136012 x Dawson	15	F5	Rps1
2.	IA1008 (SCN)	Northrup King S20-20 x Jack	5	F5	SCN
3.	Lambert (O)	M75-274 x M76-151	12	F5	Rps1
4.	A02-136021	NE1900 x Pioneer XB28V99	PTI	F5	
5.	A02-136027	NE1900 x Pioneer XB28V99	PTI	F5	
6.	A02-136030	NE1900 x Pioneer XB28V99	PTI		
7.	A02-136032	NE1900 x Pioneer XB28V99	PTI		
8.	M96-385063	M92-836 x ND(M)91-895	1	F5	Rps1
9.	M97-130015	MN1801 x Marcus 95	PTI	F5	
10.	M97-357138	IA1006 x Surge	PT0	F5	Rps1
11.	U01-290401	Heinong 37x Pioneer 93B82	PT0	F5	Determinate
12.	SD96-135-3	Surge x Hendricks	2	F4	

UNIFORM TEST I, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Chlorosis</u>		<u>Green Stem</u>		<u>Shattering</u>
		Score		Score		Score
		Humboldt IA	Wilkin Co. MN	Fayetteville AR	Pine Tree AR	Manhattan KS
Parker (I)	WGBDYBfI	3.4	3.8	1.0	1.5	1.0
IA1008 (SCN)	WGBDYI	3.8	4.2	3.3	2.3	1.0
Lambert (0)	PGBSYLbfI	2.6	3.8	2.0	1.0	2.0
A02-136021	WLtBDYI	2.9	3.7	2.3	2.0	1.0
A02-136027	WTBDYI	3.1	4.3	3.3	2.0	1.0
A02-136030	WGBDYI	3.3	4.3	1.0	1.7	1.0
A02-136032	PGBDYI	2.8	4.5	1.3	2.0	1.0
M96-385063	PTBDYBrI	3.0	4.4	1.0	1.7	1.0
M97-130015	PTTDYBrI	3.0	3.6	3.0	1.5	1.0
M97-357138	PGBDYIbfI	2.5	4.0	1.0	1.7	2.0
U01-290401	WTBDYBI	2.4	4.1	2.3	2.0	1.0
SD96-135-3	PGBDYBfI	2.5	3.9	1.3	2.0	1.0

UNIFORM TEST I, 2004

DISEASE DATA

Strain	<u>PR</u>		<u>SDS</u>		<u>PS</u>	<u>FE</u>
	Lafayette Race 4	Race 7	Paris IL DX	Ursa IL DX	Lafayette a %	n
Parker (I)	S	S	1	2	38	S
IA1008 (SCN)	S	R	1	7	48	S
Lambert (0)	S	S	2	0	20	
A02-136021	S	H	7	7	29	
A02-136027	S	S	13	14	17	
A02-136030	S	S	5	6	14	
A02-136032	S	R	8	11	33	
M96-385063	H*	H*	4	12	20	
M97-130015	H	R	5	15	35	
M97-357138	S	S	26	9	9	
U01-290401	S	S	1	1	4	S
SD96-135-3	S	S	4	10	25	S

* = entry/*Phytophthora sojae* race reaction questionable.
 Frogeye Leaf Spot S = susceptible, blank = lesions not detected

UNIFORM TEST I, 2004

REGIONAL SUMMARY

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	Composition	
	12 bu/a	12 No.	13 Date	14 Score	13 In.	14 g/100	7 Score	5 Protein %	5 Oil %
Parker (I)	46.8	10	9/14	1.9	33	17.7	1.9	39.5	19.4
IA1008 (SCN)	49.6	7	2.2	1.5	30	18.2	1.9	40.5	18.8
Lambert (O)	39.8	12	-6.2	1.6	23	16.1	1.8	40.4	20.1
A02-136021	53.4	3	0.7	1.5	26	14.1	1.5	39.4	18.3
A02-136027	53.7	2	1.5	1.4	27	14.9	1.5	39.6	18.4
A02-136030	52.3	4	0.0	1.6	26	14.3	1.4	39.7	18.1
A02-136032	55.3	1	2.0	1.7	27	17.1	1.5	40.5	18.9
M96-385063	47.6	9	-4.5	1.6	27	17.0	1.5	39.7	18.5
M97-130015	49.3	8	-0.8	1.5	27	16.5	1.4	40.9	19.1
M97-357138	49.9	6	-2.8	1.4	27	16.3	1.9	40.0	19.4
U01-290401	51.7	5	4.2	1.3	27	18.0	1.6	40.7	18.4
SD96-135-3	44.8	11	-1.6	1.3	23	19.4	2.3	40.6	20.1

118.0 Days After Planting

UNIFORM TEST I, 2004

2003-2004 3-YEAR MEAN

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	<u>Composition</u>	
	22 bu/a	22 No.	25 Date	25 Score	24 In.	25 g/100	14 Score	Protein 10 %	Oil 10 %
Parker (I)	44.6	2	9/12	1.9	33	16.1	1.7	40.6	19.9
Lambert (O)	40.4	4	-5.5	1.4	25	15.0	1.5	41.4	20.4
M96-385063	46.0	1	-3.1	1.6	29	15.7	1.5	41.0	18.9
SD96-135-3	43.6	3	-0.6	1.2	25	18.0	2.0	41.4	20.6

114.7 Days After Planting

2002-2004 3-YEAR MEAN

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	<u>Composition</u>	
	38 bu/a	38 No.	40 Date	41 Score	40 In.	40 g/100	23 Score	Protein 15 %	Oil 15 %
Parker (I)	46.0	1	9/12	1.9	34	16.7	1.8	40.6	20.1
Lambert (O)	41.8	3	-5.5	1.4	25	15.3	1.8	41.3	20.5
SD96-135-3	44.9	2	-1.4	1.3	25	18.4	2.2	41.3	20.7

116.1 Days After Planting

UNIFORM TEST I, 2004

YIELD (bu/a)

Strain	Mean 12 Tests	Fayetteville* irrigated AR	Pinetree* irrigated AR	Rohwer* irrigated AR	Ames IA	Oelwein IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI
Parker (I)	46.8	45.3	60.0	40.0	52.8	41.3	43.1	58.6	43.9	27.6
IA1008 (SCN)	49.6	58.5	53.4	46.6	56.4	40.0	49.8	59.5	47.2	38.2
Lambert (0)	39.8	49.0	38.4	27.3	47.3	36.7	26.3	41.2	28.5	33.9
A02-136021	53.4	56.5	49.6	46.1	66.0	44.0	49.4	60.7	27.1	36.1
A02-136027	53.7	61.3	58.3	49.7	62.0	46.3	51.8	61.3	30.2	35.6
A02-136030	52.3	56.8	50.2	48.2	64.7	38.6	53.6	60.7	27.1	38.2
A02-136032	55.3	56.1	46.1	48.0	61.5	49.4	54.8	59.5	48.6	42.4
M96-385063	47.6	47.6	39.0	35.3	50.9	40.4	41.6	51.8	37.9	29.7
M97-130015	49.3	50.0	58.2	42.3	56.7	44.8	41.7	53.6	50.4	32.9
M97-357138	49.9	57.4	44.0	44.4	60.2	44.5	39.7	55.7	37.3	37.1
U01-290401	51.7	50.1	55.7	46.0	53.5	50.8	53.7	61.3	49.9	39.3
SD96-135-3	44.8	46.5	35.6	36.3	51.2	33.9	34.5	52.9	23.6	41.9
C.V. (%)		14.6	11.3	10.2	8.4	9.8	7.4	6.6	15.8	9.6
L.S.D. (5%)		13.5	11.0	7.7	10.5	9.2	5.6	6.3	10.7	6.2
Row Sp. (In.)		7.5	6.5	6.5	27	27	24	26	15	15
Rows/Plot		7	9	9	4	4	4	4	6	6
Reps		3	3	3	2	2	3	3	2	2

*Data not included in mean.

UNIFORM TEST I, 2004

YIELD RANK

Strain	Yield Rank	Fayetteville* irrigated AR	Pinetree* irrigated AR	Rohwer* irrigated AR	Ames IA	Oelwein IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI
Parker (I)	10	12	1	9	9	7	7	7	5	12
IA1008 (SCN)	7	2	5	4	7	9	5	5	4	4
Lambert (0)	12	9	11	12	12	11	12	12	9	9
A02-136021	3	5	7	5	1	6	6	3	11	7
A02-136027	2	1	2	1	3	3	4	1	8	8
A02-136030	4	4	6	2	2	10	3	3	10	5
A02-136032	1	6	8	3	4	2	1	5	3	1
M96-385063	9	10	10	11	11	8	9	11	6	11
M97-130015	8	8	3	8	6	4	8	9	1	10
M97-357138	6	3	9	7	5	5	10	8	7	6
U01-290401	5	7	4	6	8	1	2	1	2	3
SD96-135-3	11	11	12	10	10	12	11	10	12	2

*Data not included in mean.

UNIFORM TEST I, 2004

YIELD (bu/a)

Strain	Portageville*								
	Lamberton MN	Waseca MN	(Loam) MO	Beemer NE	Cotesfield NE	Goehner* NE	Chatham Ont	Talbotville Ont	Brookings* SD
Parker (I)	45.5	57.9	13.8	45.0	41.2	44.4	50.1	55.0	26.8
IA1008 (SCN)	40.0	50.6	16.9	46.2	54.0	32.8	64.0	49.8	18.9
Lambert (0)	41.1	50.0	5.6	40.4	41.8	27.8	40.9	50.0	13.6
A02-136021	55.2	61.1	22.9	49.4	64.1	42.8	71.8	56.1	26.1
A02-136027	49.6	64.0	26.2	50.5	67.8	32.4	67.5	58.1	24.9
A02-136030	49.9	65.4	20.7	51.2	48.1	33.8	71.5	58.8	24.0
A02-136032	51.2	60.8	29.5	50.6	56.0	31.9	73.6	55.2	24.8
M96-385063	43.7	55.9	12.7	43.8	62.3	52.2	57.6	55.5	24.7
M97-130015	46.2	63.5	19.5	35.9	52.0	39.3	63.6	50.7	26.4
M97-357138	51.4	63.9	19.9	42.5	53.4	32.8	63.9	49.0	21.4
U01-290401	44.6	55.7	26.2	45.5	60.7	32.1	58.5	47.4	22.9
SD96-135-3	45.1	51.8	12.7	40.8	61.5	32.4	49.9	50.9	17.3
C.V. (%)	5.9	7.6	13.7	5.5	10.6	22.2	8.8	8.5	21.3
L.S.D. (5%)	4.7	7.5	3.6	6.2	14.5	19.5	7.8	7.6	8.2
Row Sp. (In.)	10	10	7.5	30	30	30	17	14	30
Rows/Plot	10	10	6	4	4	4	5	4	4
Reps	3	3	3	2	2	2	3	3	3

UNIFORM TEST I, 2004

YIELD RANK

Strain	Portageville								
	Lamberton MN	Waseca MN	(Loam) MO	Beemer NE	Cotesfield NE	Goehner NE	Chatham Ont	Talbotville Ont	Brookings SD
Parker (I)	7	7	9	7	12	2	10	6	1
IA1008 (SCN)	12	11	8	5	7	7	5	10	10
Lambert (0)	11	12	12	11	11	12	12	9	12
A02-136021	1	5	4	4	2	3	2	3	3
A02-136027	5	2	2	3	1	8	4	2	4
A02-136030	4	1	5	1	10	5	3	1	7
A02-136032	3	6	1	2	6	11	1	5	5
M96-385063	10	8	10	8	3	1	9	4	6
M97-130015	6	4	7	12	9	4	7	8	2
M97-357138	2	3	6	9	8	5	6	11	9
U01-290401	9	9	2	6	5	10	8	12	8
SD96-135-3	8	10	10	10	4	8	11	7	11

UNIFORM TEST I, 2004

MATURITY (date)

Strain	Mean 13 Tests	Fayetteville* irrigated AR	Pinetree* irrigated AR	Rohwer* irrigated AR	Ames IA	Oelwein IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI
Parker (I)	9/14	8/9	8/2	7/20	9/6		9/2	9/12	9/28	9/27
IA1008 (SCN)	2.2	5	3	2	3		-3	3	1	4
Lambert (0)	-6.2	0	-6	-8	-6		-7	-8	-6	-3
A02-136021	0.7	4	2	0	3		-1	2	0	1
A02-136027	1.5	4	2	1	5		0	3	1	1
A02-136030	0.0	2	3	1	-1		-1	2	-1	0
A02-136032	2.0	4	4	0	2		1	3	0	5
M96-385063	-4.5	0	-6	-6	-4		-5	-5	-4	-2
M97-130015	-0.8	4	2	0	1		-1	2	-2	0
M97-357138	-2.8	-3	-3	-3	-2		-4	-2	-4	-2
U01-290401	4.2	4	3	3	6		4	3	2	6
SD96-135-3	-1.6	2	1	-1	-3		-4	-1	-3	-1
	#DIV/0!									
Date Planted	5/19	5/6	5/4	4/20	5/3	5/28	5/18	5/21	6/4	6/3
Days to Mature	118	95	90	91	126		107	114	116	116

*Data not included in mean.

UNIFORM TEST I, 2004

LODGING (score)

Strain	Mean 14 Tests	Fayetteville* irrigated AR	Pinetree* irrigated AR	Rohwer* irrigated AR	Ames IA	Oelwein IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI
Parker (I)	1.9	2.7	1.5	1.0	3.0	3.0	1.0	1.8	1.0	1.0
IA1008 (SCN)	1.5	1.0	1.3	1.0	2.5	1.5	1.0	1.0	1.0	1.0
Lambert (0)	1.6	1.0	1.0	1.0	2.3	2.3	1.0	1.0	1.0	1.0
A02-136021	1.5	1.7	1.5	1.0	2.0	2.0	1.0	1.0	1.0	1.0
A02-136027	1.4	1.3	1.3	1.0	1.8	1.8	1.0	1.0	1.0	1.0
A02-136030	1.6	1.0	2.8	1.0	2.0	2.0	1.0	1.3	1.0	1.0
A02-136032	1.7	1.7	2.8	1.0	2.3	2.5	1.0	1.7	1.0	1.0
M96-385063	1.6	1.0	1.0	1.0	2.3	2.5	1.0	1.2	1.0	1.0
M97-130015	1.5	1.0	1.8	1.0	2.3	2.0	1.0	1.0	1.0	1.0
M97-357138	1.4	1.7	1.0	1.0	2.0	2.3	1.0	1.0	1.0	1.0
U01-290401	1.3	1.0	2.0	1.0	1.8	1.8	1.0	1.0	1.0	1.0
SD96-135-3	1.3	1.0	1.0	1.0	1.3	2.0	1.0	1.0	1.0	1.0
	#DIV/0!									

*Data not included in mean.

UNIFORM TEST I, 2004

MATURITY (date)

Strain	Portageville								
	Lamberton MN	Waseca MN	(Loam) MO	Beemer NE	Cotesfield NE	Goehner NE	Chatham Ont	Talbotville Ont	Brookings SD
Parker (I)	9/26	9/27	7/26		9/20	9/12	9/28	9/17	9/24
IA1008 (SCN)	3	6	-3		6	0	4	4	0
Lambert (0)	-9	-8	-12		-6	-5	-5	-1	-5
A02-136021	0	-1	-2		4	1	1	1	1
A02-136027	0	0	0		1	1	3	5	0
A02-136030	-1	0	-5		2	1	5	3	-3
A02-136032	1	4	-2		0	1	4	5	2
M96-385063	-5	-4	-14		-2	-3	-3	-2	-6
M97-130015	-1	0	-7		-1	1	2	0	-4
M97-357138	-5	-4	-5		-1	-1	-1	-1	-4
U01-290401	6	11	-1		1	2	7	7	3
SD96-135-3	-4	-3	-7		1	1	1	0	-4
Date Planted	5/10	5/17	4/16	5/28	5/20	5/28	6/8	5/17	5/13
Days to Mature	139	133	101		123	107	112	123	134

UNIFORM TEST I, 2004

LODGING (score)

Strain	Portageville								
	Lamberton MN	Waseca MN	(Loam) MO	Beemer NE	Cotesfield NE	Goehner NE	Chatham Ont	Talbotville Ont	Brookings SD
Parker (I)	3.0	3.0	1.0		4.0	2.0	1.0	1.0	1.0
IA1008 (SCN)	2.0	2.0	1.0		3.0	2.0	1.0	1.0	1.0
Lambert (0)	1.7	3.0	1.0		3.5	1.5	1.0	1.0	1.0
A02-136021	2.3	2.0	1.0		3.0	2.0	1.0	1.0	1.0
A02-136027	1.3	2.0	1.0		2.5	2.0	1.0	1.0	1.0
A02-136030	2.3	2.3	1.0		3.0	2.0	1.0	1.3	1.0
A02-136032	2.3	2.3	1.0		3.0	2.0	1.0	1.0	1.0
M96-385063	2.0	2.7	1.0		3.0	1.0	1.0	1.0	1.0
M97-130015	1.3	2.0	1.0		3.0	2.0	1.0	1.0	1.0
M97-357138	1.7	2.0	1.0		2.5	2.0	1.0	1.0	1.0
U01-290401	1.0	2.0	1.0		2.0	1.0	1.0	1.0	1.0
SD96-135-3	1.3	2.3	1.0		3.0	1.0	1.0	1.0	1.0

UNIFORM TEST I, 2004

PLANT HEIGHT (inches)

Strain	Mean 13 Tests	Fayetteville* irrigated AR	Pinetree* irrigated AR	Rohwer* irrigated AR	Ames IA	Oelwein IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI
Parker (I)	33	29	23	20	40	35	35	32	28	26
IA1008 (SCN)	30	27	19	19	37	29	33	32	28	22
Lambert (0)	23	20	14	14	26	24	22	23	18	21
A02-136021	26	26	24	19	28	24	27	27	18	22
A02-136027	27	26	22	20	28	27	28	27	19	22
A02-136030	26	24	21	19	29	23	26	28	21	20
A02-136032	27	24	25	19	30	29	28	28	24	22
M96-385063	27	22	17	16	34	27	28	28	22	23
M97-130015	27	26	24	19	31	26	27	27	24	24
M97-357138	27	27	20	17	33	28	29	28	23	23
U01-290401	27	25	20	19	32	29	30	32	28	23
SD96-135-3	23	22	18	16	28	24	24	25	16	21

*Data not included in mean.

UNIFORM TEST I, 2004

SEED SIZE (g/100)

Strain	Mean 14 Tests	Fayetteville* irrigated AR	Pinetree* irrigated AR	Rohwer* irrigated AR	Ames IA	Oelwein IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI
Parker (I)	17.7	14.1			18.5	16.4	17.2	19.6	16.6	15.8
IA1008 (SCN)	18.2	17.1			19.3	18.0	17.7	20.5	17.9	17.9
Lambert (0)	16.1	15.4			17.9	15.6	16.0	17.4	17.7	15.4
A02-136021	14.1	15.0			16.6	15.3	14.2	16..2	14.1	13.6
A02-136027	14.9	15.6			16.1	14.8	14.0	16.5	14.6	14.0
A02-136030	14.3	13.5			15.6	13.8	13.4	15.5	13.8	13.2
A02-136032	17.1	16.4			18.5	17.1	15.8	18.7	16.5	17.0
M96-385063	17.0	15.8			17.7	15.9	15.8	18.3	16.6	16.2
M97-130015	16.5	15.5			18.5	17.8	15.4	17.5	15.9	16.0
M97-357138	16.3	14.7			18.2	16.8	14.9	17.7	15.9	15.8
U01-290401	18.0	17.7			17.9	19.1	17.2	19.8	17.4	17.1
SD96-135-3	19.4	17.2			19.7	18.2	19.0	22.9	17.0	18.5

*Data not included in mean.

UNIFORM TEST I, 2004

PLANT HEIGHT (inches)

Strain	Portageville								
	Lamberton MN	Waseca MN	(Loam) MO	Beemer NE	Cotesfield NE	Goehner NE	Chatham Ont	Talbotville Ont	Brookings SD
Parker (I)	42	41	20			33	27	31	33
IA1008 (SCN)	38	37	13			31	28	29	28
Lambert (0)	32	31	10			20	22	25	19
A02-136021	36	33	14			32	25	25	24
A02-136027	35	35	17			31	26	27	26
A02-136030	33	34	13			26	25	29	25
A02-136032	37	34	15			30	27	27	25
M96-385063	35	34	11			29	23	27	27
M97-130015	34	33	13			28	27	26	26
M97-357138	39	37	13			33	26	26	25
U01-290401	38	37	11			25	29	32	24
SD96-135-3	32	37	11			22	22	25	23

UNIFORM TEST I, 2004

SEED SIZE (g/100)

Strain	Portageville								
	Lamberton MN	Waseca MN	(Loam) MO	Beemer NE	Cotesfield NE	Goehner NE	Chatham Ont	Talbotville Ont	Brookings SD
Parker (I)	17.8	20.0	17.0	16.1	20.0	19.3		18.1	14.9
IA1008 (SCN)	18.6	21.1	15.1	16.6	20.5	17.9		19.1	14.8
Lambert (0)	15.6	17.7	12.2	14.9	17.9	16.2		17.3	13.0
A02-136021	16.0	17.5	14.6	13.7	17.0	15.2		16.4	13.6
A02-136027	14.8	16.8	15.2	13.1	15.6	15.1		16.1	11.9
A02-136030	14.7	16.4	13.2	12.5	16.6	14.3		15.2	11.5
A02-136032	18.0	20.0	16.4	15.3	17.4	16.5		17.9	14.6
M96-385063	17.9	19.2	13.3	17.4	20.4	18.3		17.4	13.1
M97-130015	17.0	19.0	14.7	14.4	18.8	16.8		16.0	13.6
M97-357138	16.1	19.4	15.3	14.3	19.2	18.0		15.5	12.5
U01-290401	17.8	21.0	16.3	16.0	19.2	18.7		19.0	15.2
SD96-135-3	20.5	22.7	16.8	18.4	21.8	19.7		22.4	16.3

UNIFORM TEST I, 2004

SEED QUALITY (score)

Strain	Mean 7 Tests	Fayetteville* irrigated AR	Pinetree* irrigated AR	Rohwer* irrigated AR	Ames IA	Oelwein IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI
Parker (I)	1.9	4.2					1.0	1.0		
IA1008 (SCN)	1.9	2.8					1.5	1.0		
Lambert (0)	1.8	2.8					1.5	1.0		
A02-136021	1.5	3.0					1.0	1.0		
A02-136027	1.5	3.5					1.0	1.0		
A02-136030	1.4	2.7					1.0	1.0		
A02-136032	1.5	3.3					1.0	1.0		
M96-385063	1.5	2.3					1.0	1.0		
M97-130015	1.4	4.3					1.0	1.0		
M97-357138	1.9	3.0					1.0	1.0		
U01-290401	1.6	2.8					1.0	1.0		
SD96-135-3	2.3	3.5					1.0	1.0		

*Data not included in mean.

UNIFORM TEST I, 2004

SEED QUALITY (score)

Strain	Portageville								
	Lamberton MN	Waseca MN	(Loam) MO	Beemer NE	Cotesfield NE	Goehner NE	Chatham Ont	Talbotville Ont	Brookings SD
Parker (I)	1.0	1.5	5.0					1.5	2.0
IA1008 (SCN)	2.0	2.0	3.0					1.5	2.0
Lambert (0)	1.0	1.3	4.0					1.5	2.0
A02-136021	1.0	1.3	2.0					2.0	2.0
A02-136027	1.0	1.0	3.0					1.5	2.0
A02-136030	1.5	1.0	2.0					1.5	2.0
A02-136032	1.5	1.3	2.0					1.5	2.0
M96-385063	1.0	1.0	3.0					1.5	2.0
M97-130015	1.0	1.0	2.0					1.5	2.0
M97-357138	1.5	1.0	4.0					1.5	2.0
U01-290401	1.5	1.0	2.0					1.5	2.0
SD96-135-3	2.0	2.0	5.0					1.5	2.0

UNIFORM TEST I, 2004**PROTEIN (%)**

Strain	Mean 5 Tests	Ames IA	Lamberton MN	Waseca MN	Lafayette IN	Wanatah IN
Parker (I)	39.5	39.6	40.0	40.1	38.2	39.3
IA1008 (SCN)	40.5	40.8	41.1	41.0	38.9	40.8
Lambert (O)	40.4	40.6	39.3	40.5	41.0	40.6
A02-136021	39.4	39.0	40.7	39.4	38.1	39.7
A02-136027	39.6	39.3	40.3	39.3	38.7	40.5
A02-136030	39.7	40.0	39.6	39.9	38.5	40.7
A02-136032	40.5	40.1	40.4	41.2	40.3	40.3
M96-385063	39.7	39.8	38.1	39.9	40.2	40.5
M97-130015	40.9	40.9	41.3	41.4	39.5	41.2
M97-357138	40.0	39.6	39.9	40.2	39.5	40.7
U01-290401	40.7	40.2	41.3	42.2	39.3	40.3
SD96-135-3	40.6	40.4	41.2	40.5	39.7	41.4

UNIFORM TEST I, 2004**OIL (%)**

Strain	Mean 5 Tests	Ames IA	Lamberton MN	Waseca MN	Lafayette IN	Wanatah IN
Parker (I)	19.4	18.8	19.1	19.0	21.0	19.4
IA1008 (SCN)	18.8	18.7	17.8	18.3	19.9	19.1
Lambert (O)	20.1	19.6	20.0	19.3	20.8	20.6
A02-136021	18.3	18.2	17.5	18.0	19.3	18.3
A02-136027	18.4	18.6	18.1	17.9	19.2	18.2
A02-136030	18.1	17.8	17.6	18.3	18.8	17.9
A02-136032	18.9	19.4	19.4	18.7	18.6	18.5
M96-385063	18.5	18.0	19.3	18.9	18.0	18.4
M97-130015	19.1	19.1	19.2	19.0	19.0	19.5
M97-357138	19.4	19.0	19.6	19.5	19.7	19.2
U01-290401	18.4	18.5	18.1	18.0	19.8	17.8
SD96-135-3	20.1	19.2	19.6	19.9	20.7	20.9

Preliminary Test I, 2004

Ent.	Strain	Parentage	Generation Composited	Unique Traits
1.	Parker (I)	A79-136012 x Dawson	F5	Rps1
2.	IA1008 (SCN)	Northrup King S20-20 x Jack	F5	BSR
3.	Lambert (O)	M75-274 x M76-151	F4	
4.	A03-741001	93B86 x A99-212014	F5	SCN
5.	A03-741022	A99-213052 x Land O'Lakes 96-22065	F4	
6.	A03-741024	Pioneer 93B86 x A99-212014	F5	
7.	A03-741031	A99-312006 x Dairyland 57806	F5	
8.	A03-741037	A99-312028 x AgriPro 93036-A95-07274	F5	
9.	A03-741044	IA1013 x AgriPro 92135-A95-52344	F4	
10.	A03-741045	IA1013 x AgriPro 92135-A95-52344	F4	
11.	A03-741051	A99-113038 x Land O'Lakes 96-08769	F4	
12.	A03-741052	A99-113038 x Land O'Lakes 96-08769	F4	
13.	A03-742042	A99-215030 x Land O'Lakes 95-34480	F4	
14.	A03-743049	IA3022 x AgriPro 93046-A95-31271E	F5	
15.	A03-841045	A99-113038 x Land O'Lakes 96-08769	F4	
16.	M98-227065	MN0302 x Archer	F5	Rps1k, BSR
17.	M98-254049	Parker x M90-249101	F5	Rps1
18.	M98-267068	M90-249101 x M91-166056	F5	Rps1
19.	M98-346081	L-1287 x Lambert	F5	Rps1, Diversity
20.	ORC 0302	S14-H4 x Ivory	F5	
21.	ORC 0308	RCAT 9709 x RCAT Legacy	F5	
22.	SD00-15	Sode Furi x Surge	F5	
23.	SD00-306	M91-821 x E93424	F5	
24.	SD00-307	M91-821 x E93424	F5	
25.	SD00-533	SD93-851 x M91-1416	F5	
26.	SD00-622	SD93-851 x LN88-10534	F5	
27.	SD00-708	E93433 x M911416	F5	
28.	SD00-735	E93433 x M911416	F5	
29.	SD00-1572	SD93-1040 x E93424	F5	
30.	SD00-1638	Sturdy x Hendricks	F5	
31.	SD00-2311	M91-821 x M91-1416	F5	
32.	U01-190271	NE3001 x A97-770012	F5	
33.	U01-190300	NE1900 x A97-871009	F5	
34.	U01-190307	NE1900 x A97-871009	F5	
35.	U01-190311	NE1900 x A97-871009	F5	
36.	U01-190318	NE1900 x A97-871009	F5	
37.	U01-190319	NE1900 x A97-871009	F5	
38.	U01-190324	NE1900 x A97-770012	F5	
39.	U01-290300	Harbin 92-1062 x NE3202	F5	Determinate
40.	U01-290820	NE1900 x IA1008	F5	
41.	U01-290931	M91-163126 x NE1900	F5	
42.	U01-291048	A97-871009 x A97-770031	F5	

PRELIMINARY TEST I, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis		Shattering	Green Stem	PR		PS	FE
		Score		Score	Score	Lafayette		Lafayette	n
		Humboldt	Wilkin Co.	Manhattan	St. Bruno	Race	Race	a	
		IA	MN	KS	Que	4	7	%	
Parker (I)	WGBDYBfi	3.4	4.1	1.0	3.0	S	S	38	S
IA1008 (SCN)	WGBDYI	3.8	4.3	1.0	1.5	S	R	48	S
Lambert (O)	PGBSYLbfi	2.6	3.8	2.0	2.0	S	S	20	
A03-741001	WGTSYI	3.5	4.2	1.0	1.5	S	R	7	
A03-741022	PGBIYI	2.9	3.8	1.0	2.0	S	S	10	S
A03-741024	WGSYI	2.9	4.0	2.0	2.0	R	R	25	
A03-741031	PGBDYI	2.5	3.6	1.0	2.0	S	R	20	
A03-741037	PGBDYI	3.3	4.0	1.0	2.0	S	S	15	
A03-741044	PGBDYI	2.5	3.5	1.0	1.5	S	R	7	
A03-741045	PGBDYI	3.0	3.6	1.0	2.0	S	S	20	
A03-741051	PGBIY+Lbfi	3.0	4.0	1.0	2.0	H	R	10	
A03-741052	PGBDYI	3.5	4.3	1.0	1.5	R	R	0	
A03-742042	PGBDY+Lbfi	2.8	3.9	1.0	2.0	S	R	16	
A03-743049	PGBDYI	3.5	3.9	1.0	2.0	S	S	8	
A03-841045	PGBDYI	3.1	4.4	1.0	2.0	R	R	1	
M98-227065	WGBDYBfi	2.8	4.2	1.0	3.5	S*	H	2	S
M98-254049	WGBDYI	3.4	3.8	1.0	2.5	S	S	6	
M98-267068	WGBDYBfi	3.4	3.7	1.0	2.0	S	S	5	S
M98-346081	WGBDYBfi	2.9	3.6	2.0	2.0	S	R	2	
ORC 0302	WGSYI	2.8	3.8	1.0	2.0	R	R	3	S
ORC 0308	PGTDYGrI	3.6	4.6	1.0	3.0	S	S	1	S
SD00-15	PGBDYBfi	2.3	3.0	1.0	1.5	S	H	3	S
SD00-306	PGTDYGrI	4.0	4.3	1.0	1.5	S	H	4	S
SD00-307	PGTDYGrI	3.1	4.3	1.0	1.5	S	S	4	S
SD00-533	PTDYBfi	3.3	3.9	1.0	2.5	S	H	6	S
SD00-622	WGTDYBfi	3.6	4.0	1.0	2.5	R	R	11	
SD00-708	PGTDYDbfi	3.5	4.1	1.0	2.0	S	S	10	
SD00-735	PTDYBfi	3.3	4.2	1.0	1.5	S	S	28	
SD00-1572	WGBDY+Bfi	3.5	4.3	1.0	2.0	S	S	19	
SD00-1638	PGBDYBfi	2.4	3.7	1.0	2.0	S	S	16	
SD00-2311	PGBDYBfi	3.0	4.1	1.0	2.0	S	S	6	
U01-190271	WGSYI	2.6	4.3	1.0	2.0	S	R	3	
U01-190300	WGBDYI	2.8	4.3	1.0	2.0	S	R	35	
U01-190307	WGBDYI	3.0	4.2	1.0	1.0	S	S	24	
U01-190311	WGBDYI	2.5	4.1	1.0	1.0	S	S	25	
U01-190318	WGBDYI	3.0	4.1	1.0	2.0	S	H	31	
U01-190319	WGBDYI	2.8	4.2	2.0	1.5	S	S	9	S
U01-190324	PGBDYI	2.8	4.3	2.0	2.5	S	H	10	
U01-290300	PGBDYBfi	3.3	4.6	1.0	3.0	S	R	29	S
U01-290820	WGBDYI	3.4	4.3	2.0	1.5	S	S	3	S
U01-290931	WGBDYI	3.0	4.1	2.0	1.5	S	H	2	S
U01-291048	PGBDYI	2.6	3.9	1.0	1.0	S	S	2	S

* = entry/*Phytophthora sojae* race reaction questionable.

Frogeye Leaf Spot S = susceptible, blank = lesions not detected

PRELIMINARY TEST I, 2004

REGIONAL SUMMARY

No. of Tests Strain	Yield 9 bu/a	Rank 9 No.	Maturity 11 Date	Lodging 12 Score	Plant Height 11 In.	Seed Size 12 g/100	Seed Quality 7 Score	Composition	
								Protein 5 %	Oil 5 %
Parker (I)	48.7	22	9/18	2.3	34	17.8	1.4	40.6	19.6
IA1008 (SCN)	49.1	14	3.0	1.7	33	18.7	1.6	41.7	18.9
Lambert (0)	38.4	42	-6.0	1.7	25	15.9	1.3	41.3	20.2
A03-741001	49.0	17	3.0	1.7	30	18.8	1.3	41.1	19.0
A03-741022	46.0	32	1.7	2.1	28	20.1	1.9	41.6	18.0
A03-741024	50.7	7	4.5	1.8	28	20.4	1.4	43.3	18.6
A03-741031	51.1	6	1.3	2.0	33	19.2	1.5	41.0	19.3
A03-741037	50.7	7	2.3	1.9	32	19.4	1.6	42.5	18.6
A03-741044	49.1	14	3.4	2.2	32	20.3	1.5	43.0	19.2
A03-741045	47.5	28	2.0	1.4	26	19.6	1.4	41.1	19.6
A03-741051	47.0	30	3.1	1.8	34	19.4	1.5	43.4	17.9
A03-741052	49.3	13	3.8	2.2	35	23.0	1.6	41.8	19.6
A03-742042	49.1	14	3.7	2.0	29	20.3	1.5	42.8	19.2
A03-743049	49.5	12	2.8	1.8	28	18.5	1.5	42.0	19.1
A03-841045	51.2	5	5.0	2.1	32	19.5	1.9	43.2	17.9
M98-227065	51.7	4	0.3	1.8	31	17.2	1.4	41.4	19.4
M98-254049	48.5	24	-3.4	1.8	26	16.4	1.3	41.3	19.2
M98-267068	46.8	31	-2.0	1.9	29	14.8	1.4	40.6	19.2
M98-346081	45.0	36	-2.0	2.0	31	17.9	1.4	40.9	20.0
ORC 0302	53.6	1	4.2	1.9	31	17.9	1.4	41.2	18.7
ORC 0308	53.1	2	3.7	1.7	26	17.4	1.4	41.0	19.1
SD00-15	42.6	41	-3.6	1.6	27	18.2	1.6	40.8	19.1
SD00-306	47.7	27	-0.4	2.1	33	15.8	1.7	38.4	20.6
SD00-307	48.8	21	-1.5	1.5	28	15.8	1.5	39.9	19.8
SD00-533	47.3	29	-2.2	1.8	29	17.2	1.3	41.0	18.5
SD00-622	43.7	39	4.0	1.6	27	16.8	1.4	40.3	20.1
SD00-708	46.0	32	5.3	1.7	26	17.4	1.4	40.9	19.4
SD00-735	49.0	17	2.0	2.0	34	18.3	1.3	41.6	18.8
SD00-1572	48.0	25	-0.4	1.9	31	16.8	1.5	40.8	18.7
SD00-1638	43.4	40	-0.2	1.8	28	15.9	1.5	40.3	19.0
SD00-2311	44.0	38	-4.2	1.7	28	15.0	1.4	40.1	19.8
U01-190271	44.1	37	-2.6	1.8	29	15.6	1.4	39.0	19.7
U01-190300	50.6	9	0.0	2.2	31	14.5	1.2	40.1	19.3
U01-190307	48.9	19	0.5	2.2	30	14.5	1.2	40.0	19.1
U01-190311	52.2	3	3.0	2.2	30	15.9	1.2	39.9	19.2
U01-190318	49.6	11	0.4	2.1	29	14.6	1.2	39.8	19.2
U01-190319	48.9	19	0.1	2.1	29	14.5	1.2	40.4	19.2
U01-190324	45.2	35	-4.6	1.8	29	14.6	1.3	39.4	19.7
U01-290300	48.0	25	-1.0	1.6	28	20.7	1.3	40.5	18.7
U01-290820	45.3	34	0.2	1.7	29	17.7	1.4	38.6	20.1
U01-290931	50.2	10	0.5	1.6	30	15.7	1.2	40.4	20.0
U01-291048	48.6	23	1.7	1.9	33	16.4	1.3	39.7	19.8

PRELIMINARY TEST I, 2004

YIELD (bu/a)

Strain	Mean 9 Tests	Ames IA	Oelwein IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
Parker (I)	48.7	52.8	41.3	35.5	50.6	50.3	50.6
IA1008 (SCN)	49.1	56.4	40.0	45.3	49.4	42.1	44.0
Lambert (O)	38.4	47.3	36.7	22.2	34.4	39.6	42.2
A03-741001	49.0	55.6	39.8	42.8	45.5	47.4	52.8
A03-741022	46.0	53.2	42.3	40.0	48.0	44.6	39.9
A03-741024	50.7	65.6	42.8	42.5	42.5	58.1	46.4
A03-741031	51.1	56.2	43.3	39.8	48.1	50.4	45.5
A03-741037	50.7	57.8	39.5	43.5	45.7	53.2	50.0
A03-741044	49.1	57.2	39.0	41.8	45.7	54.3	49.5
A03-741045	47.5	56.2	39.9	34.7	47.3	54.3	45.1
A03-741051	47.0	55.5	41.3	37.7	48.0	47.2	48.1
A03-741052	49.3	59.2	43.7	42.3	51.1	52.5	43.8
A03-742042	49.1	56.8	44.9	41.0	49.1	53.7	45.5
A03-743049	49.5	68.3	47.1	37.7	40.5	55.3	52.5
A03-841045	51.2	61.8	49.0	45.0	44.5	55.8	57.3
M98-227065	51.7	60.4	43.9	36.8	57.9	51.7	53.1
M98-254049	48.5	59.1	40.1	30.9	50.8	53.3	49.0
M98-267068	46.8	50.5	38.6	31.0	47.6	56.4	41.2
M98-346081	45.0	56.3	38.0	35.6	43.0	42.7	43.2
ORC 0302	53.6	61.0	40.2	49.0	57.5	56.6	51.4
ORC 0308	53.1	58.4	44.3	43.2	41.5	55.4	48.5
SD00-15	42.6	51.7	28.8	31.1	48.2	47.3	40.3
SD00-306	47.7	54.6	36.3	40.0	49.1	49.2	45.5
SD00-307	48.8	54.3	50.0	31.0	44.6	55.4	51.6
SD00-533	47.3	58.6	45.6	39.7	46.2	44.8	43.3
SD00-622	43.7	53.2	37.3	34.8	41.0	49.5	44.6
SD00-708	46.0	63.9	37.2	33.3	40.5	51.5	48.6
SD00-735	49.0	65.1	45.0	42.8	49.9	49.9	40.4
SD00-1572	48.0	60.4	41.1	33.3	44.1	51.0	49.3
SD00-1638	43.4	50.2	34.5	27.5	40.5	44.3	45.8
SD00-2311	44.0	52.5	36.0	30.8	34.8	51.4	42.5
U01-190271	44.1	46.9	34.9	36.8	44.7	49.9	44.4
U01-190300	50.6	58.9	41.5	46.8	46.3	48.0	55.7
U01-190307	48.9	61.8	37.8	43.4	44.3	50.9	44.9
U01-190311	52.2	65.3	43.5	46.5	51.6	52.1	46.1
U01-190318	49.6	59.6	38.7	44.8	48.5	51.9	49.7
U01-190319	48.9	58.2	40.3	41.7	44.9	53.7	46.7
U01-190324	45.2	52.3	36.0	32.7	45.8	53.4	44.2
U01-290300	48.0	55.7	39.0	33.5	50.6	52.0	44.4
U01-290820	45.3	54.1	37.9	35.8	38.0	50.9	47.9
U01-290931	50.2	60.1	36.7	41.8	49.1	53.0	48.3
U01-291048	48.6	58.5	40.3	39.6	48.1	53.7	46.8
C.V. (%)		6.2	11.0	10.7	12.2	7.5	9.9
L.S.D. (5%)		7.2	8.9	8.2	9.5	7.7	9.4
Row Sp. (In.)		27	27	24	15	10	10
Rows/Plot		4	4	4	6	4	4
Reps		2	2	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST I, 2004

YIELD (bu/a)

Strain	Beemer	Cotesfield*	Goehner*	Palmyra*	Talbotville	St. Bruno	Brookings*
	NE	NE	NE	Ont	Ont	Montarville Que.	SD
Parker (I)	42.3	45.6	32.3	53.0	57.9	57.1	21.6
IA1008 (SCN)	43.3	52.8	43.2	56.3	56.1	65.4	18.0
Lambert (O)	39.2	41.6	32.0	22.8	41.8	42.4	13.7
A03-741001	41.5	58.0	39.3	61.7	57.0	58.6	27.9
A03-741022	41.5	58.3	33.6	56.5	58.4	45.8	22.7
A03-741024	39.2	54.8	33.2	51.6	62.3	56.8	28.7
A03-741031	44.0	67.5	38.0	56.4	68.2	64.2	26.0
A03-741037	43.8	55.5	46.5	47.5	63.3	59.5	23.2
A03-741044	39.6	60.6	33.3	45.2	59.5	55.5	21.4
A03-741045	40.0	58.1	31.5	59.4	56.1	53.7	24.6
A03-741051	41.4	55.5	44.0	53.5	57.2	47.0	20.7
A03-741052	41.5	50.9	43.2	59.5	61.9	47.8	25.0
A03-742042	44.3	62.1	32.4	62.7	57.3	49.8	24.7
A03-743049	42.8	63.9	32.6	61.0	58.9	42.9	21.2
A03-841045	44.7	65.5	33.5	65.9	62.3	40.1	21.7
M98-227065	46.3	50.0	28.3	46.7	63.3	52.3	20.7
M98-254049	41.3	53.1	33.6	23.2	57.3	55.1	15.7
M98-267068	42.8	61.5	48.8	33.3	53.6	59.4	21.8
M98-346081	38.1	48.2	39.4	31.3	53.7	54.6	22.5
ORC 0302	43.0	59.6	30.5	68.1	62.3	61.4	16.6
ORC 0308	73.2	59.7	43.8	55.2	63.7	50.2	28.3
SD00-15	35.1	56.6	35.0	22.9	50.0	50.8	21.9
SD00-306	40.4	55.6	32.6	28.6	61.1	53.4	23.0
SD00-307	45.2	62.4	33.0	38.0	57.5	49.7	20.0
SD00-533	43.1	59.4	42.6	38.2	60.6	43.8	23.6
SD00-622	38.0	58.6	33.3	48.0	53.9	41.3	23.1
SD00-708	44.2	70.5	38.7	40.4	56.6	38.3	24.8
SD00-735	40.6	61.0	37.3	52.1	58.8	48.9	23.7
SD00-1572	41.3	52.7	33.3	40.2	59.0	52.6	25.0
SD00-1638	42.4	68.4	29.9	19.0	57.5	48.3	23.1
SD00-2311	43.8	63.9	35.4	41.9	54.8	49.4	28.5
U01-190271	41.4	57.8	33.0	47.8	55.6	42.8	20.8
U01-190300	47.8	51.0	36.2	51.2	59.3	51.3	31.7
U01-190307	49.0	63.6	31.9	52.0	58.0	50.3	21.1
U01-190311	49.6	49.4	53.6	50.5	60.2	55.1	21.4
U01-190318	47.2	51.9	35.5	51.8	53.4	52.6	22.9
U01-190319	47.4	64.5	33.7	49.7	53.1	53.8	24.5
U01-190324	42.6	39.4	33.2	30.3	54.9	44.6	28.6
U01-290300	45.1	62.5	34.0	57.7	58.5	53.1	23.7
U01-290820	42.2	48.2	34.0	53.9	58.2	42.8	28.9
U01-290931	45.7	59.7	32.4	56.4	61.2	55.9	25.8
U01-291048	43.5	61.0	32.8	43.4	55.5	51.5	20.8
C.V. (%)	11.9	17.5	24.7	17.5	5.0	8.2	23.8
L.S.D. (5%)	12.9	24.7	23.2	13.9	5.9	7.1	11.0
Row Sp. (In.)	30	30	30	17	14	7	30
Rows/Plot	4	4	4	5	4	5	4
Reps	2	2	2	2	2	2	2

PRELIMINARY TEST I, 2004

YIELD RANK

Strain	Yield Rank	Ames IA	Oelwein IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
Parker (I)	22	35	15	29	6	28	8
IA1008 (SCN)	14	23	22	4	9	41	33
Lambert (O)	42	41	35	42	42	42	38
A03-741001	17	28	24	10	26	34	4
A03-741022	32	33	13	18	17	38	42
A03-741024	7	2	12	12	34	1	21
A03-741031	6	25	11	20	15	27	24
A03-741037	7	20	25	7	24	15	9
A03-741044	14	21	26	14	25	8	11
A03-741045	28	25	23	31	20	8	27
A03-741051	30	29	15	23	18	36	17
A03-741052	13	13	9	13	4	17	34
A03-742042	14	22	6	17	10	10	24
A03-743049	12	1	3	23	37	7	5
A03-841045	5	6	2	5	30	4	1
M98-227065	4	9	8	25	1	21	3
M98-254049	24	14	21	39	5	14	13
M98-267068	31	39	29	37	19	3	39
M98-346081	36	24	30	28	33	40	36
ORC 0302	1	8	20	1	2	2	7
ORC 0308	2	18	7	9	35	5	15
SD00-15	41	38	42	36	14	35	41
SD00-306	27	30	37	18	11	32	24
SD00-307	21	31	1	37	29	5	6
SD00-533	29	16	4	21	22	37	35
SD00-622	39	33	33	30	36	31	29
SD00-708	32	5	34	33	38	22	14
SD00-735	17	4	5	10	8	29	40
SD00-1572	25	9	17	33	32	24	12
SD00-1638	40	40	41	41	39	39	23
SD00-2311	38	36	38	40	41	23	37
U01-190271	37	41	40	25	28	29	30
U01-190300	9	15	14	2	21	33	2
U01-190307	19	6	32	8	31	25	28
U01-190311	3	3	10	3	3	18	22
U01-190318	11	12	28	6	13	20	10
U01-190319	19	19	18	16	27	10	20
U01-190324	35	37	38	35	23	13	32
U01-290300	25	27	26	32	7	19	30
U01-290820	34	32	31	27	40	25	18
U01-290931	10	11	35	14	12	16	16
U01-291048	23	17	18	22	16	10	19

PRELIMINARY TEST I, 2004

YIELD RANK

Strain	Beemer NE	Cotesfield NE	Goehner NE	Palmyra Ont	Talbotville Ont	St. Bruno Montarville Que.	Brookings SD
Parker (I)	25	40	36	16	22	7	29
IA1008 (SCN)	18	31	6	12	30	1	39
Lambert (O)	38	41	37	41	42	39	42
A03-741001	27	23	10	4	28	6	7
A03-741022	27	21	21	9	19	33	24
A03-741024	38	29	27	20	5	8	3
A03-741031	14	3	12	11	1	2	8
A03-741037	15	27	3	26	3	4	19
A03-741044	37	15	24	28	13	10	30
A03-741045	36	22	39	7	30	15	14
A03-741051	30	27	4	15	27	32	36
A03-741052	27	35	6	6	8	31	10
A03-742042	12	11	34	3	25	26	13
A03-743049	21	6	32	5	16	36	32
A03-841045	11	4	23	2	5	41	28
M98-227065	7	36	42	27	3	20	36
M98-254049	32	30	21	39	25	12	41
M98-267068	21	12	2	35	38	5	27
M98-346081	40	38	9	36	37	13	25
ORC 0302	20	18	40	1	5	3	40
ORC 0308	1	16	5	13	2	25	6
SD00-15	42	25	17	40	41	23	26
SD00-306	35	26	32	38	10	16	22
SD00-307	9	10	29	34	23	27	38
SD00-533	19	19	8	33	11	35	18
SD00-622	41	20	24	24	36	40	20
SD00-708	13	1	11	31	29	42	12
SD00-735	34	13	13	17	17	29	16
SD00-1572	32	32	24	32	15	19	10
SD00-1638	24	2	41	42	23	30	20
SD00-2311	15	6	16	30	35	28	5
U01-190271	30	24	29	25	32	38	34
U01-190300	4	34	14	21	14	22	1
U01-190307	3	8	38	18	21	24	33
U01-190311	2	37	1	22	12	11	30
U01-190318	6	33	15	19	39	18	23
U01-190319	5	5	20	23	40	14	15
U01-190324	23	42	27	37	34	34	4
U01-290300	10	9	18	8	18	17	16
U01-290820	26	38	18	14	20	37	2
U01-290931	8	16	34	10	9	9	9
U01-291048	17	13	31	29	33	21	34

PRELIMINARY TEST I, 2004

MATURITY (date)

Strain	Mean 11 Tests	Ames IA	Oelwein IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
Parker (I)	9/18	9/6		9/3	9/24	9/5	9/24
IA1008 (SCN)	3.0	3		2	4	3	5
Lambert (O)	-6.0	-6		-6	-3	-2	-6
A03-741001	3.0	3		3	5	4	8
A03-741022	1.7	2		0	4	4	4
A03-741024	4.5	6		3	6	4	10
A03-741031	1.3	3		0	1	3	2
A03-741037	2.3	6		2	1	4	7
A03-741044	3.4	5		1	5	4	10
A03-741045	2.0	2		0	2	2	4
A03-741051	3.1	4		1	5	4	7
A03-741052	3.8	6		1	4	5	9
A03-742042	3.7	6		3	4	3	9
A03-743049	2.8	4		2	2	4	6
A03-841045	5.0	7		3	4	5	10
M98-227065	0.3	2		-1	1	1	0
M98-254049	-3.4	-4		-6	-1	-1	-2
M98-267068	-2.0	-3		-2	-1	-1	-2
M98-346081	-2.0	-2		-1	2	-1	-2
ORC 0302	4.2	6		1	4	5	11
ORC 0308	3.7	2		2	6	4	8
SD00-15	-3.6	-3		-6	-1	-1	-2
SD00-306	-0.4	1		0	1	0	-1
SD00-307	-1.5	-3		-5	1	0	-1
SD00-533	-2.2	-3		-5	1	0	-2
SD00-622	4.0	6		2	5	3	8
SD00-708	5.3	7		1	4	3	11
SD00-735	2.0	2		1	3	3	5
SD00-1572	-0.4	1		-1	2	0	0
SD00-1638	-0.2	-3		-5	2	0	-1
SD00-2311	-4.2	-4		-7	-1	-1	-6
U01-190271	-2.6	-3		-3	1	0	-2
U01-190300	0.0	1		-1	0	-1	1
U01-190307	0.5	0		1	0	0	-1
U01-190311	3.0	2		0	2	3	3
U01-190318	0.4	0		0	1	0	0
U01-190319	0.1	0		-1	2	0	0
U01-190324	-4.6	-4		-7	-2	-1	-5
U01-290300	-1.0	-3		-3	2	0	-1
U01-290820	0.2	0		-1	1	1	-1
U01-290931	0.5	1		-1	2	2	0
U01-291048	1.7	3		2	0	1	5
Date Planted	5/21	5/3	5/28	5/18	6/4	5/10	5/17
Days to Mature	119	126		108	112	118	130

PRELIMINARY TEST I, 2004

MATURITY (date)

Strain	Beemer NE	Cotesfield NE	Goehner NE	Palmyra Ont	Talbotville Ont	St. Bruno Montarville Que.	Brookings SD
Parker (I)		9/24	9/13	9/22	9/21	10/2	9/24
IA1008 (SCN)		1	3	2	3	4	3
Lambert (O)		-10	-6	-7	-6	-9	-5
A03-741001		0	-1	3	2	3	3
A03-741022		1	0	3	1	1	-1
A03-741024		3	1	7	4	3	3
A03-741031		-1	1	1	2	3	-1
A03-741037		3	1	2	3	5	-9
A03-741044		2	0	3	3	5	0
A03-741045		3	2	2	1	3	1
A03-741051		4	-1	3	3	4	0
A03-741052		3	1	4	4	5	0
A03-742042		3	1	3	3	3	3
A03-743049		2	2	3	3	3	0
A03-841045		4	4	5	5	6	3
M98-227065		2	0	-1	2	-1	-1
M98-254049		-4	-5	-5	-4	-4	-2
M98-267068		-3	-4	-4	-2	0	-1
M98-346081		-4	-3	1	-3	-4	-5
ORC 0302		5	3	3	3	5	0
ORC 0308		3	2	5	3	4	2
SD00-15		-7	-4	-5	-4	-3	-5
SD00-306		-6	-3	0	2	2	-1
SD00-307		-4	-3	-1	-2	3	-2
SD00-533		-5	1	-2	-5	-1	-3
SD00-622		6	1	5	3	2	3
SD00-708			10	4	4	7	2
SD00-735		-1	-1	3	1	4	2
SD00-1572		-3	-2	0	0	0	-1
SD00-1638		1	3	-1	-1	4	-1
SD00-2311		-8	-5	-4	-4	-1	-6
U01-190271		-8	-4	-4	-4	-4	2
U01-190300		1	0	1	0	1	-2
U01-190307		0	1	2	1	2	-1
U01-190311		2	11	3	2	4	2
U01-190318		0	-1	1	1	2	0
U01-190319		-1	0	1	-2	0	2
U01-190324		-4	-6	-6	-5	-7	-4
U01-290300		-4	-3	2	3	-2	-3
U01-290820		-2	0	0	2	1	1
U01-290931		-1	1	0	1	1	0
U01-291048		4	1	0	-1	3	1
Date Planted	5/28	5/20	5/28	6/4	5/17	5/29	5/13
Days to Mature		127	108	110	127	126	134

PRELIMINARY TEST I, 2004

LODGING (score)

Strain	Mean 12 Tests	Ames IA	Oelwein IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
Parker (I)	2.3	3.0	3.0	1.0	2.0	2.5	3.0
IA1008 (SCN)	1.7	2.5	1.5	1.0	1.0	2.0	2.0
Lambert (O)	1.7	2.3	2.3	1.0	1.0	2.5	2.0
A03-741001	1.7	1.8	2.0	1.0	1.5	2.5	2.0
A03-741022	2.1	2.8	2.8	1.0	1.0	3.0	2.5
A03-741024	1.8	2.3	1.8	1.0	1.0	2.0	2.5
A03-741031	2.0	2.3	2.5	1.0	1.0	2.5	2.0
A03-741037	1.9	2.3	1.8	1.0	1.0	3.0	2.0
A03-741044	2.2	2.5	2.0	1.0	1.0	3.5	3.0
A03-741045	1.4	1.5	1.8	1.0	1.0	1.5	2.0
A03-741051	1.8	2.8	2.3	1.0	1.5	2.0	2.5
A03-741052	2.2	2.8	3.0	1.0	1.0	2.5	3.0
A03-742042	2.0	3.0	2.3	1.0	1.5	2.5	2.5
A03-743049	1.8	2.3	1.8	1.0	1.0	2.5	2.0
A03-841045	2.1	2.3	2.5	1.0	1.0	2.5	3.0
M98-227065	1.8	1.8	2.3	1.0	1.0	2.0	2.0
M98-254049	1.8	2.5	2.3	1.0	1.0	2.0	2.0
M98-267068	1.9	2.5	2.0	1.0	1.0	2.5	2.0
M98-346081	2.0	2.8	2.3	1.0	1.0	2.5	2.5
ORC 0302	1.9	2.8	2.3	1.0	1.0	3.0	2.0
ORC 0308	1.7	1.8	2.0	1.0	1.0	2.0	2.0
SD00-15	1.6	1.8	2.0	1.0	1.0	2.5	2.0
SD00-306	2.1	2.8	2.3	1.0	1.5	2.5	2.0
SD00-307	1.5	1.5	2.3	1.0	1.0	2.0	2.0
SD00-533	1.8	2.3	2.8	1.0	1.0	2.5	2.5
SD00-622	1.6	2.3	1.8	1.0	1.0	2.5	2.0
SD00-708	1.7	1.8	2.0	1.0	1.0	2.0	2.0
SD00-735	2.0	2.8	2.5	1.0	1.0	3.0	2.0
SD00-1572	1.9	2.3	2.0	1.0	1.5	2.0	2.5
SD00-1638	1.8	1.8	2.5	1.0	1.0	2.5	2.5
SD00-2311	1.7	1.5	2.0	1.0	1.0	2.0	2.0
U01-190271	1.8	2.0	2.0	1.0	1.5	2.0	2.5
U01-190300	2.2	3.3	2.8	1.0	1.0	3.0	2.5
U01-190307	2.2	3.3	2.0	1.0	1.5	3.0	2.5
U01-190311	2.2	3.3	2.3	1.0	1.0	2.5	2.5
U01-190318	2.1	2.8	2.0	1.0	1.0	3.0	2.5
U01-190319	2.1	3.0	1.8	1.0	1.5	3.0	2.0
U01-190324	1.8	2.8	1.8	1.0	1.0	2.5	2.0
U01-290300	1.6	1.8	2.0	1.0	1.0	2.0	2.0
U01-290820	1.7	2.5	2.0	1.0	1.0	2.0	2.0
U01-290931	1.6	2.0	1.5	1.0	1.5	2.0	2.0
U01-291048	1.9	2.5	2.0	1.0	1.0	3.0	2.0

PRELIMINARY TEST I, 2004

LODGING (score)

Strain	Beemer NE	Cotesfield NE	Goehner NE	Palmyra Ont	Talbotville Ont	St. Bruno Montarville Que.	Brookings SD
Parker (I)		4.5	2.5	1.0	1.1	3.5	1.0
IA1008 (SCN)		3.0	1.5	1.0	1.2	2.5	1.0
Lambert (O)		3.0	1.5	1.0	1.2	1.5	1.0
A03-741001		3.0	1.5	1.0	1.0	2.5	1.0
A03-741022		3.0	1.5	1.0	2.1	4.0	1.0
A03-741024		3.0	2.0	1.0	1.0	2.5	1.0
A03-741031		3.0	2.0	1.0	1.6	3.5	1.0
A03-741037		3.0	2.0	1.0	1.7	3.5	1.0
A03-741044		3.5	2.0	1.0	1.3	4.0	1.0
A03-741045		2.5	1.5	1.0	1.5	1.0	1.0
A03-741051		3.0	2.0	1.0	1.0	2.0	1.0
A03-741052		3.0	2.0	1.0	2.2	4.0	1.0
A03-742042		3.5	2.0	1.0	1.3	2.5	1.0
A03-743049		3.0	2.0	1.0	1.0	2.5	1.0
A03-841045		3.5	2.0	1.0	2.5	3.0	1.0
M98-227065		3.0	2.0	1.0	2.3	2.5	1.0
M98-254049		3.0	2.0	1.0	1.2	2.0	1.0
M98-267068		3.0	2.0	1.0	1.0	3.5	1.0
M98-346081		4.0	1.5	1.0	1.0	3.0	1.0
ORC 0302		3.0	2.0	1.0	1.2	2.0	1.0
ORC 0308		2.5	1.5	1.0	1.0	3.0	1.0
SD00-15		3.0	1.0	1.0	1.1	2.0	1.0
SD00-306		4.0	2.0	1.0	1.1	3.5	1.0
SD00-307		2.5	1.5	1.0	1.0	1.5	1.0
SD00-533		3.0	2.0	1.0	1.0	2.0	1.0
SD00-622		2.5	2.0	1.0	1.0	1.0	1.0
SD00-708		3.0	1.0	1.0	1.0	3.0	1.0
SD00-735		3.5	2.5	1.0	1.6	2.5	1.0
SD00-1572		3.0	2.0	1.0	1.7	3.0	1.0
SD00-1638		3.0	1.0	1.0	1.3	2.5	1.0
SD00-2311		3.0	2.0	1.0	1.3	2.5	1.0
U01-190271		3.5	2.0	1.0	1.1	2.0	1.0
U01-190300		4.0	2.0	1.0	1.0	3.5	1.0
U01-190307		3.0	2.0	1.0	2.1	4.0	1.0
U01-190311		3.5	2.0	1.0	2.1	4.0	1.0
U01-190318		4.0	2.0	1.0	1.3	4.0	1.0
U01-190319		3.5	2.0	1.0	1.8	4.0	1.0
U01-190324		3.5	2.0	1.0	1.3	1.5	1.0
U01-290300		3.0	1.0	1.0	1.4	2.5	1.0
U01-290820		3.0	2.0	1.0	1.5	1.5	1.0
U01-290931		2.5	2.0	1.0	1.0	2.0	1.0
U01-291048		3.5	2.0	1.0	1.0	2.5	1.0

PRELIMINARY TEST I, 2004

PLANT HEIGHT (inches)

Strain	Mean 11 Tests	Ames IA	Oelwein IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
Parker (I)	34	40	35	31	29	38	40
IA1008 (SCN)	33	37	29	33	27	38	38
Lambert (O)	25	26	24	21	21	33	33
A03-741001	30	34	24	29	28	34	36
A03-741022	28	31	26	24	23	31	33
A03-741024	28	32	24	26	22	34	34
A03-741031	33	34	30	30	26	40	40
A03-741037	32	34	29	29	27	36	38
A03-741044	32	34	26	30	27	37	37
A03-741045	26	29	22	24	24	31	33
A03-741051	34	41	29	32	30	37	39
A03-741052	35	35	34	33	30	37	41
A03-742042	29	33	26	28	24	37	33
A03-743049	28	31	26	26	23	35	33
A03-841045	32	38	28	32	25	40	35
M98-227065	31	35	31	28	29	38	36
M98-254049	26	26	25	24	22	33	33
M98-267068	29	29	27	28	23	36	36
M98-346081	31	34	28	30	27	41	39
ORC 0302	31	32	29	31	26	38	37
ORC 0308	26	26	25	23	23	33	31
SD00-15	27	30	24	24	23	34	33
SD00-306	33	36	28	30	28	40	37
SD00-307	28	30	29	24	25	35	32
SD00-533	29	30	27	27	26	34	36
SD00-622	27	27	24	25	23	37	31
SD00-708	26	31	23	23	22	34	31
SD00-735	34	41	31	31	30	39	41
SD00-1572	31	35	28	29	25	37	37
SD00-1638	28	30	26	24	24	34	37
SD00-2311	28	29	24	25	24	35	35
U01-190271	29	30	25	27	25	35	36
U01-190300	31	36	30	29	25	34	36
U01-190307	30	30	26	28	24	37	36
U01-190311	30	32	28	27	25	37	33
U01-190318	29	34	23	27	23	35	35
U01-190319	29	31	25	26	23	36	33
U01-190324	29	33	24	27	22	38	35
U01-290300	28	29	24	23	26	34	31
U01-290820	29	32	26	28	24	37	33
U01-290931	30	34	26	27	27	37	34
U01-291048	33	37	28	31	28	40	39

PRELIMINARY TEST I, 2004

PLANT HEIGHT (inches)

Strain	Beemer NE	Cotesfield NE	Goehner NE	Palmyra Ont	Talbotville Ont	St. Bruno Montarville Que.	Brookings SD
Parker (I)			33	25	30	38	32
IA1008 (SCN)			31	27	32	38	29
Lambert (O)			21	21	23	29	23
A03-741001			32	26	29	36	24
A03-741022			31	22	27	34	28
A03-741024			31	26	27	32	25
A03-741031			33	27	31	40	30
A03-741037			33	26	33	39	28
A03-741044			32	28	30	41	27
A03-741045			25	22	27	31	24
A03-741051			38	28	31	37	30
A03-741052			37	28	34	41	32
A03-742042			33	25	28	31	24
A03-743049			28	23	27	32	22
A03-841045			31	27	31	37	28
M98-227065			30	23	32	36	28
M98-254049			28	17	27	29	24
M98-267068			29	22	27	36	27
M98-346081			30	22	29	40	25
ORC 0302			26	30	29	35	28
ORC 0308			21	22	28	31	28
SD00-15			26	16	25	34	28
SD00-306			35	22	29	46	30
SD00-307			28	20	28	36	26
SD00-533			29	23	28	32	27
SD00-622			27	23	26	29	26
SD00-708			24	21	25	32	24
SD00-735			33	29	32	36	29
SD00-1572			29	23	30	38	27
SD00-1638			26	14	25	39	27
SD00-2311			28	22	27	36	26
U01-190271			26	23	29	31	28
U01-190300			34	22	31	34	26
U01-190307			34	25	29	34	25
U01-190311			33	20	30	37	26
U01-190318			33	22	28	34	26
U01-190319			29	24	29	37	27
U01-190324			29	17	31	33	28
U01-290300			27	26	28	33	27
U01-290820			29	23	29	34	28
U01-290931			30	25	31	33	28
U01-291048			39	25	32	36	30

PRELIMINARY TEST I, 2004

SEED SIZE (g/100)

Strain	Mean 12 Tests	Ames IA	Oelwein IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
Parker (I)	17.8	18.5	16.4	16.9	16.4	18.2	19.9
IA1008 (SCN)	18.7	19.3	18.0	17.7	17.6	20.1	19.0
Lambert (O)	15.9	17.9	15.6	14.9	15.7	15.6	16.7
A03-741001	18.8	19.6	18.2	18.1	18.0	19.7	21.5
A03-741022	20.1	20.7	20.0	18.2	18.1	21.6	21.7
A03-741024	20.4	21.4	19.4	18.5	22.2	21.5	21.4
A03-741031	19.2	19.5	19.0	17.3	19.5	18.2	20.1
A03-741037	19.4	20.4	19.4	17.4	18.7	19.4	20.2
A03-741044	20.3	21.0	20.4	18.0	19.5	21.3	23.0
A03-741045	19.6	21.3	19.7	18.2	18.4	19.7	20.9
A03-741051	19.4	20.6	20.4	17.8	17.7	19.5	21.7
A03-741052	23.0	23.6	23.8	19.0	17.8	25.9	25.7
A03-742042	20.3	21.8	19.3	18.4	20.5	21.4	22.0
A03-743049	18.5	19.2	19.1	17.1	18.8	19.1	19.1
A03-841045	19.5	20.1	20.9	17.8	16.5	20.9	22.6
M98-227065	17.2	18.7	17.1	15.5	16.8	17.0	17.0
M98-254049	16.4	17.7	15.2	15.8	16.3	16.7	16.3
M98-267068	14.8	15.8	13.6	14.8	14.2	15.6	14.4
M98-346081	17.9	19.2	16.6	16.4	17.0	17.2	17.9
ORC 0302	17.9	17.6	16.9	15.1	17.1	19.5	19.5
ORC 0308	17.4	17.4	17.1	15.8	17.2	18.9	18.0
SD00-15	18.2	20.4	17.2	17.4	17.4	17.8	18.5
SD00-306	15.8	16.1	14.2	14.0	15.7	17.2	16.8
SD00-307	15.8	17.1	16.2	15.0	14.2	15.7	16.3
SD00-533	17.2	18.3	17.3	15.9	15.6	17.6	18.3
SD00-622	16.8	17.3	16.5	14.3	16.2	17.2	17.7
SD00-708	17.4	19.3	15.9	15.9	15.7	18.8	18.9
SD00-735	18.3	19.5	18.1	15.6	18.1	19.5	20.7
SD00-1572	16.8	18.0	16.3	14.9	16.7	16.9	17.5
SD00-1638	15.9	16.7	14.5	14.9	14.8	17.1	16.5
SD00-2311	15.0	17.2	13.2	14.3	16.4	14.8	14.7
U01-190271	15.6	17.0	14.0	15.2	14.2	16.0	15.7
U01-190300	14.5	15.9	14.3	13.5	13.8	14.7	14.9
U01-190307	14.5	16.8	13.6	12.8	13.9	15.0	14.2
U01-190311	15.9	16.9	15.4	14.0	13.5	15.9	16.4
U01-190318	14.6	16.0	13.6	13.2	14.2	15.0	15.2
U01-190319	14.5	15.8	13.9	13.5	13.5	14.9	14.9
U01-190324	14.6	16.1	13.7	13.6	14.4	14.0	14.6
U01-290300	20.7	21.7	20.2	19.6	17.2	21.5	20.8
U01-290820	17.7	18.2	16.7	16.7	19.0	17.9	17.7
U01-290931	15.7	16.7	14.8	14.5	14.7	16.7	17.3
U01-291048	16.4	16.7	16.1	15.4	17.0	16.8	16.9

PRELIMINARY TEST I, 2004

SEED SIZE (g/100)

Strain	Beemer	Cotesfield	Goehner	Palmyra	Talbotville	St. Bruno	Brookings
	NE	NE	NE	Ont	Ont	Montarville Que.	SD
Parker (I)	16.6	19.4	19.1		19.1	18.3	15.0
IA1008 (SCN)	16.5	22.2	17.7		21.6	20.6	13.6
Lambert (O)	15.0	17.7	16.4		17.0	14.9	13.7
A03-741001	16.1	19.3	18.7		20.1	20.0	16.7
A03-741022	18.3	21.5	20.7		24.1	20.8	16.0
A03-741024	17.7	21.5	20.0		22.8	21.7	17.2
A03-741031	17.3	20.4	19.7		22.0	20.8	16.2
A03-741037	17.6	22.1	20.3		21.5	20.9	15.0
A03-741044	17.3	21.6	20.5		21.7	22.1	17.6
A03-741045	17.5	21.5	19.5		21.7	20.2	16.9
A03-741051	17.2	20.5	20.0		21.6	20.4	16.1
A03-741052	20.0	24.5	22.9		26.1	26.5	20.1
A03-742042	18.2	21.5	21.0		23.1	21.6	15.0
A03-743049	17.0	20.5	17.9		20.7	19.0	15.1
A03-841045	17.8	20.9	19.4		22.6	20.2	14.6
M98-227065	16.0	18.8	18.0		18.7	18.5	13.9
M98-254049	15.6	17.5	17.8		18.4	15.8	14.1
M98-267068	14.0	16.7	16.0		15.4	15.0	12.1
M98-346081	17.2	22.7	18.3		18.7	19.1	14.1
ORC 0302	15.2	20.5	17.8		20.4	19.8	15.3
ORC 0308	15.7	18.3	17.2		20.1	18.1	14.8
SD00-15	17.3	20.4	18.8		19.5	18.0	15.7
SD00-306	14.3	17.4	16.4		16.4	16.9	14.3
SD00-307	15.2	17.6	16.9		16.1	16.6	12.8
SD00-533	16.1	19.2	16.0		20.2	17.6	14.9
SD00-622	15.5	18.8	17.2		19.0	16.2	15.3
SD00-708	15.5	18.7	17.0		21.1	18.0	14.1
SD00-735	15.5	20.1	17.4		20.4	20.0	14.5
SD00-1572	15.7	19.9	17.2		17.2	16.7	14.7
SD00-1638	14.9	18.6	15.3		17.1	16.6	14.1
SD00-2311	13.9	17.0	15.5		16.0	15.3	11.5
U01-190271	15.4	17.0	17.6		16.5	15.2	13.6
U01-190300	13.0	16.4	16.6		15.0	14.9	11.1
U01-190307	12.6	16.1	16.7		15.8	15.1	11.4
U01-190311	13.6	17.6	17.9		19.2	17.0	13.3
U01-190318	12.4	16.5	15.6		16.6	15.3	12.3
U01-190319	12.9	15.6	16.1		15.9	15.3	11.8
U01-190324	13.5	17.2	15.5		14.7	14.0	13.7
U01-290300	19.4	21.8	20.6		24.7	21.6	19.5
U01-290820	16.5	19.2	18.6		18.9	17.6	15.4
U01-290931	13.1	17.0	15.7		17.4	17.1	13.3
U01-291048	15.0	18.1	17.2		17.2	17.4	12.8

PRELIMINARY TEST I, 2004

SEED QUALITY (score)

Strain	Mean 7 Tests	Ames IA	Oelwein IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
Parker (I)	1.4			1.5		1.5	1.0
IA1008 (SCN)	1.6			1.5		1.5	1.3
Lambert (O)	1.3			1.0		1.5	1.0
A03-741001	1.3			1.0		1.5	1.3
A03-741022	1.9			1.5		1.5	2.0
A03-741024	1.4			1.0		1.5	1.0
A03-741031	1.5			1.0		1.5	1.3
A03-741037	1.6			1.0		1.5	1.3
A03-741044	1.5			1.0		1.5	1.3
A03-741045	1.4			1.0		1.5	1.3
A03-741051	1.5			1.5		1.5	1.3
A03-741052	1.6			1.5		1.5	1.3
A03-742042	1.5			1.0		1.0	1.3
A03-743049	1.5			1.0		1.5	1.3
A03-841045	1.9			1.0		1.5	2.0
M98-227065	1.4			1.0		1.2	1.3
M98-254049	1.3			1.0		1.0	1.3
M98-267068	1.4			1.5		1.5	1.0
M98-346081	1.4			1.0		1.5	1.0
ORC 0302	1.4			1.0		1.5	1.3
ORC 0308	1.4			1.0		1.2	1.3
SD00-15	1.6			1.5		1.5	1.7
SD00-306	1.7			1.0		1.5	1.0
SD00-307	1.5			1.0		1.5	1.7
SD00-533	1.3			1.0		1.5	1.3
SD00-622	1.4			1.0		1.5	1.7
SD00-708	1.4			1.0		1.0	1.3
SD00-735	1.3			1.0		1.0	1.3
SD00-1572	1.5			1.5		1.5	1.3
SD00-1638	1.5			1.0		1.5	1.5
SD00-2311	1.4			1.5		1.0	1.0
U01-190271	1.4			1.0		1.5	1.0
U01-190300	1.2			1.0		1.0	1.0
U01-190307	1.2			1.0		1.0	1.0
U01-190311	1.2			1.0		1.0	1.0
U01-190318	1.2			1.0		1.0	1.0
U01-190319	1.2			1.0		1.0	1.0
U01-190324	1.3			1.0		1.0	1.0
U01-290300	1.3			1.0		1.2	1.5
U01-290820	1.4			1.5		1.5	1.0
U01-290931	1.2			1.0		1.0	1.0
U01-291048	1.3			1.0		1.0	1.5

PRELIMINARY TEST I, 2004

SEED QUALITY (score)

Strain	Beemer NE	Cotesfield NE	Goehner NE	Palmyra Ont	Talbotville Ont	St. Bruno Montarville Que.	Brookings SD
Parker (I)				1.0	1.5	1.0	2.0
IA1008 (SCN)				2.0	2.0	1.0	2.0
Lambert (O)				1.0	1.5	1.0	2.0
A03-741001				1.0	1.5	1.0	2.0
A03-741022				2.0	2.0	2.0	2.0
A03-741024				1.0	2.0	1.5	2.0
A03-741031				1.0	2.0	1.5	2.0
A03-741037				2.0	2.0	1.5	2.0
A03-741044				1.0	1.5	2.0	2.0
A03-741045				1.0	2.0	1.0	2.0
A03-741051				1.0	1.5	1.5	2.0
A03-741052				1.0	2.0	2.0	2.0
A03-742042				2.0	2.0	1.0	2.0
A03-743049				1.0	2.0	2.0	2.0
A03-841045				2.0	2.5	2.0	2.0
M98-227065				1.0	1.5	1.5	2.0
M98-254049				1.0	2.0	1.0	2.0
M98-267068				1.0	1.5	1.0	2.0
M98-346081				1.0	1.5	1.5	2.0
ORC 0302				1.0	1.5	1.5	2.0
ORC 0308				1.0	1.5	1.0	3.0
SD00-15				1.0	1.5	2.0	2.0
SD00-306				1.0	1.5	2.0	4.0
SD00-307				1.0	1.5	2.0	2.0
SD00-533				1.0	1.5	1.0	2.0
SD00-622				1.0	1.5	1.0	2.0
SD00-708				1.0	1.5	2.0	2.0
SD00-735				1.0	2.0	1.0	2.0
SD00-1572				1.0	2.0	1.5	2.0
SD00-1638				1.0	1.5	2.0	2.0
SD00-2311				1.0	1.5	1.5	2.0
U01-190271				1.0	1.5	1.5	2.0
U01-190300				1.0	1.5	1.0	2.0
U01-190307				1.0	1.5	1.0	2.0
U01-190311				1.0	1.5	1.0	2.0
U01-190318				1.0	1.5	1.0	2.0
U01-190319				1.0	1.5	1.0	2.0
U01-190324				1.0	1.5	1.5	2.0
U01-290300				1.0	1.5	1.0	2.0
U01-290820				1.0	1.5	1.0	2.0
U01-290931				1.0	1.5	1.0	2.0
U01-291048				1.0	1.5	1.0	2.0

PRELIMINARY TEST I, 2004

PROTEIN (%)

Strain	Mean 5 Tests	Ames IA	Oelwein IA	Waseca MN	Talbotville ONT	St. Bruno Montarville Que.
Parker (I)	40.6	38.9	41.0	40.9	41.6	40.4
IA1008 (SCN)	41.7	41.2	42.1	41.9	42.5	41.0
Lambert (O)	41.3	40.1	40.4	41.1	42.9	41.8
A03-741001	41.1	40.5	41.1	41.8	41.8	40.5
A03-741022	41.6	41.0	42.7	40.9	42.3	41.0
A03-741024	43.3	43.2	44.1	42.9	43.9	42.7
A03-741031	41.0	39.1	42.2	41.5	42.5	39.7
A03-741037	42.5	41.6	43.7	42.0	43.3	41.7
A03-741044	43.0	42.4	44.4	42.2	43.5	42.4
A03-741045	41.1	40.6	41.5	40.5	42.1	40.6
A03-741051	43.4	41.0	44.1	44.3	44.5	43.0
A03-741052	41.8	39.5	43.0	41.7	42.5	42.3
A03-742042	42.8	42.1	44.2	42.7	42.7	42.1
A03-743049	42.0	41.5	42.4	41.9	43.5	40.9
A03-841045	43.2	41.7	43.0	42.9	45.7	42.6
M98-227065	41.4	41.4	41.1	41.2	42.2	41.0
M98-254049	41.3	41.1	41.2	41.1	41.6	41.3
M98-267068	40.6	39.8	40.3	40.5	41.7	40.7
M98-346081	40.9	39.8	40.7	41.3	41.9	41.0
ORC 0302	41.2	41.1	41.7	41.5	42.0	39.9
ORC 0308	41.0	39.6	41.4	41.2	42.3	40.5
SD00-15	40.8	40.3	39.5	40.7	42.1	41.2
SD00-306	38.4	36.9	40.0	38.6	39.1	37.6
SD00-307	39.9	39.0	39.9	40.8	40.5	39.1
SD00-533	41.0	40.2	40.5	41.0	42.1	41.2
SD00-622	40.3	38.8	41.7	40.7	40.7	39.6
SD00-708	40.9	39.9	42.1	41.4	41.5	39.7
SD00-735	41.6	40.3	42.3	41.6	43.0	40.9
SD00-1572	40.8	40.0	40.7	40.6	41.8	40.9
SD00-1638	40.3	39.5	40.5	39.6	41.0	40.8
SD00-2311	40.1	38.7	39.1	40.8	41.1	41.0
U01-190271	39.0	38.0	40.0	39.2	39.6	38.2
U01-190300	40.1	39.8	40.9	40.9	39.7	39.1
U01-190307	40.0	39.8	40.9	39.8	40.3	39.1
U01-190311	39.9	39.5	40.6	40.4	40.3	38.8
U01-190318	39.8	39.4	40.9	40.4	40.0	38.6
U01-190319	40.4	39.3	41.6	40.4	41.0	39.5
U01-190324	39.4	40.1	38.3	40.2	39.0	39.2
U01-290300	40.5	41.2	40.8	40.3	40.4	39.8
U01-290820	38.6	37.2	39.6	38.8	39.1	38.1
U01-290931	40.4	38.5	41.8	41.7	40.3	40.0
U01-291048	39.7	39.5	40.7	40.8	39.3	38.3

PRELIMINARY TEST I, 2004

OIL (%)

Strain	Mean 5 Tests	Ames IA	Oelwein IA	Waseca MN	Talbotville ONT	St. Bruno Montarville Que.
Parker (I)	19.6	20.2	18.5	19.0	19.6	20.8
IA1008 (SCN)	18.9	18.5	18.5	18.1	19.0	20.2
Lambert (O)	20.2	19.8	20.1	19.3	20.0	21.6
A03-741001	19.0	18.3	18.5	18.5	19.6	20.3
A03-741022	18.0	17.9	17.2	17.7	18.3	18.9
A03-741024	18.6	18.4	18.2	18.2	18.7	19.5
A03-741031	19.3	19.1	18.4	19.1	19.2	20.6
A03-741037	18.6	18.1	17.8	18.1	18.9	20.0
A03-741044	19.2	18.5	18.4	18.6	19.7	20.6
A03-741045	19.6	18.6	19.0	19.1	20.0	21.4
A03-741051	17.9	17.7	17.1	17.4	17.8	19.3
A03-741052	19.6	19.4	18.7	19.4	19.8	20.5
A03-742042	19.2	19.1	18.5	18.6	19.8	20.2
A03-743049	19.1	18.5	19.0	18.2	19.0	20.6
A03-841045	17.9	17.9	17.4	17.8	17.4	19.1
M98-227065	19.4	19.0	18.0	18.6	20.1	21.4
M98-254049	19.2	18.7	18.6	17.9	19.8	21.0
M98-267068	19.2	18.9	18.7	18.1	19.5	20.8
M98-346081	20.0	20.0	18.7	19.1	20.8	21.6
ORC 0302	18.7	18.1	18.2	17.9	18.9	20.3
ORC 0308	19.1	18.8	18.0	18.1	20.0	20.6
SD00-15	19.1	18.5	19.3	18.2	19.1	20.4
SD00-306	20.6	20.0	19.1	19.7	21.6	22.5
SD00-307	19.8	18.5	18.9	18.5	21.0	21.9
SD00-533	18.5	18.0	17.6	17.8	19.5	19.8
SD00-622	20.1	19.6	18.5	19.9	20.7	21.5
SD00-708	19.4	19.1	18.1	18.8	20.0	21.0
SD00-735	18.8	17.9	17.6	18.0	19.9	20.8
SD00-1572	18.7	18.3	18.7	17.9	18.7	20.0
SD00-1638	19.0	19.1	18.4	17.6	19.6	20.4
SD00-2311	19.8	19.6	20.0	17.9	20.3	21.2
U01-190271	19.7	20.0	18.5	18.5	20.1	21.5
U01-190300	19.3	18.8	18.2	18.2	20.1	21.0
U01-190307	19.1	18.8	17.8	18.2	19.7	20.9
U01-190311	19.2	19.2	17.9	18.4	19.6	20.8
U01-190318	19.2	19.1	17.9	18.2	19.8	21.0
U01-190319	19.2	19.3	18.5	18.1	19.5	20.8
U01-190324	19.7	18.6	19.5	17.9	20.8	21.7
U01-290300	18.7	17.7	18.3	18.1	19.0	20.2
U01-290820	20.1	20.3	19.0	19.0	20.4	21.5
U01-290931	20.0	20.2	19.1	19.0	20.6	21.2
U01-291048	19.8	18.2	19.6	18.7	20.4	21.8

Uniform Test II, 2004

Ent.	Strain	Parentage	Previous Testing	Generation Compositated	Unique Traits
1.	IA2068 (II)	AgriPro P1953 x LN94-10470	2	F5	SCN
2.	IA1008 (SCN)	Northrup King S20-20 x Jack	5	F5	SCN
3.	IA2065		1		2% linolenic
4.	E01205	CX252 x MYC B2275	PTII	F5	
5.	E01260	A94-674017 x X-201	PTII	F5	
6.	LD00-1938	Pana x Savoy		F5	SCN (03 SCN UII)
7.	LD00-4970	Maverick x Dwight		F5	SCN (03 SCN UII)
8.	U01-390224	Harbin 92-1062 x NE3202	PTI	F5	Determinate
9.	U01-390560	NE3001 x NE1900	PTII	F5	Determinate
10.	U01-390701	A97-871009 x A97-770031	PTI	F5	

UNIFORM TEST II, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Chlorosis</u> Score		<u>Shattering</u> Score	<u>PR</u> Lafayette		<u>SDS</u>		<u>PS</u>	<u>FE</u>
		Humboldt	Wilkin Co.	Manhattan	Race	Race	Paris	Ursa	Lafayette	
		IA	MN	KS	4	7	IL DX	IL DX	a %	n
IA2068 (II)	WGBYYYI	3.1	3.9	1.0	S	R	1	4	7	S
IA1008 (SCN)	WGBDYII	3.5	3.9	1.0	S	R	3	4	11	S
IA2065	PTBDYBII	3.5	3.7	1.0	R	R	0	4	3	S
E01205	PGSDYIbI	3.0	4.0	1.0	S	R	15	26	9	
E01260	PTBDYBrI	3.3	4.4	1.0	S	R	3	14	12	
LD00-1938	PTTDYBII	3.6	4.5	1.0	S	S	0	0	0	
LD00-4970	PGTDYBfI	3.3	4.0	1.0	S	S	0	7	23	
U01-390224	WGBDYLbfI	3.5	4.1	1.0	R	R	1	14	21	
U01-390560	WGBSYBfI	2.9	4.1	1.0	S	S	7	11	11	S
U01-390701	PGBDYII	2.6	3.8	1.0	R	R	3	13	23	

Frogeye Leaf Spot S = susceptible, blank = lesions not detected

UNIFORM TEST II, 2004

REGIONAL SUMMARY

No. of Tests Strain	Yield 19 bu/a	Rank 19 No.	Maturity 17 Date	Lodging 19 Score	Plant Height 17 In.	Seed Size 19 g/100	Seed Quality 12 Score	Composition	
								Protein 5 %	Oil 5 %
IA2068 (II)	54.9	8	9/20	1.7	30	14.2	1.7	40.4	18.1
IA1008 (SCN)	51.2	10	-1.9	1.5	32	18.6	1.5	40.7	18.5
IA2065	58.9	1	3.0	1.7	29	16.1	1.2	40.2	19.8
E01205	57.9	3	1.7	1.4	29	15.6	1.3	39.8	18.4
E01260	57.0	5	2.0	1.7	31	20.5	1.2	40.3	19.1
LD00-1938	53.6	9	0.9	1.5	28	16.5	1.2	41.6	18.7
LD00-4970	56.5	6	3.8	1.9	33	14.5	1.2	41.2	18.7
U01-390224	57.3	4	-0.7	1.3	29	20.5	1.2	39.4	18.6
U01-390560	58.1	2	2.4	1.9	31	18.6	1.3	40.4	19.5
U01-390701	55.2	7	-0.7	1.5	30	17.9	1.3	40.3	19.1

139.3 Days After Planting

UNIFORM TEST II, 2004

YIELD (bu/a)

Strain	Mean 19 Tests	Fayetteville* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Ripsey IA	Dekalb IL	Dwight IL
IA2068 (II)	54.9	69.3	62.7	58.4	58.8	53.0	62.9	51.2
IA1008 (SCN)	51.2	56.2	52.9	60.3	50.7	47.9	58.0	50.6
IA2065	58.9	61.8	68.6	59.5	71.8	54.1	65.4	56.4
E01205	57.9	58.6	62.8	67.5	65.1	52.1	66.4	57.8
E01260	57.0	66.8	65.0	68.3	59.9	47.9	69.7	58.8
LD00-1938	53.6	64.9	65.6	55.3	55.0	53.3	72.1	55.7
LD00-4970	56.5	64.6	69.1	62.5	62.4	54.3	66.7	58.9
U01-390224	57.3	56.4	55.5	55.0	62.9	57.9	63.2	56.2
U01-390560	58.1	44.6	71.5	65.1	61.9	58.5	63.7	58.2
U01-390701	55.2	71.4	53.8	60.0	63.0	55.6	63.7	50.0
C.V. (%)		12.0	7.9	5.9	5.0	8.1	8.0	6.0
L.S.D. (5%)		17.3	8.9	6.8	6.9	9.7	7.3	4.7
Row Sp. (In.)		7.5	6.5	6.5	27	27	30	30
Rows/Plot		7	9	9	4	4	4	4
Reps		3	3	3	2	2	3	3

*Data not included in mean.

UNIFORM TEST II, 2004

YIELD RANK

Strain	Yield Rank	Fayetteville* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Ripsey IA	Dekalb IL	Dwight IL
IA2068 (II)	8	2	7	8	8	7	9	8
IA1008 (SCN)	10	9	10	5	10	9	10	9
IA2065	1	6	3	7	1	5	5	5
E01205	3	7	6	2	2	8	4	4
E01260	5	3	5	1	7	9	2	2
LD00-1938	9	4	4	9	9	6	1	7
LD00-4970	6	5	2	4	5	4	3	1
U01-390224	4	8	8	10	4	2	8	6
U01-390560	2	10	1	3	6	1	6	3
U01-390701	7	1	9	6	3	3	6	10

*Data not included in mean.

UNIFORM TEST II, 2004

YIELD (bu/a)

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI	Lamberton MN	Waseca MN	Portageville* (Loam) MO
IA2068 (II)	52.6	51.3	63.9	50.3	72.5	51.4	64.5	36.4
IA1008 (SCN)	46.4	47.0	59.8	52.8	58.1	45.3	52.7	17.3
IA2065	45.4	49.5	65.8	54.8	72.5	55.9	63.0	32.2
E01205	53.1	50.2	64.2	52.1	73.0	48.0	65.7	36.6
E01260	51.1	49.7	66.0	56.1	73.3	51.2	65.9	35.0
LD00-1938	49.9	52.9	62.8	46.9	63.1	48.0	59.1	25.3
LD00-4970	57.6	58.2	65.4	48.0	64.5	44.9	55.9	53.0
U01-390224	47.7	47.8	67.5	59.7	63.5	57.0	64.7	26.8
U01-390560	49.7	51.4	66.6	55.2	66.8	47.7	66.5	44.6
U01-390701	48.1	41.9	59.0	54.5	70.6	47.9	64.5	24.4
C.V. (%)	5.5	6.8	6.9	6.4	6.6	6.8	7.5	10.3
L.S.D. (5%)	3.9	5.8	7.6	6.2	8.3	5.7	8.1	4.8
Row Sp. (In.)	30	24	26	15	15	10	10	8
Rows/Plot	4	4	4	6	6	10	10	6
Reps	3	3	3	2	2	3	3	3

UNIFORM TEST II, 2004

YIELD RANK

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI	Lamberton MN	Waseca MN	Portageville* (Loam) MO
IA2068 (II)	8	4	7	8	3	3	5	4
IA1008 (SCN)	10	9	9	6	10	9	10	10
IA2065	1	7	4	4	4	2	7	6
E01205	3	5	6	7	2	5	3	3
E01260	5	6	3	2	1	4	2	5
LD00-1938	9	2	8	10	9	5	8	8
LD00-4970	6	1	5	9	7	10	9	1
U01-390224	4	8	1	1	8	1	4	7
U01-390560	2	3	2	3	6	8	1	2
U01-390701	7	10	10	5	5	7	5	9

UNIFORM TEST II, 2004

YIELD (bu/a)

Strain	Beemer NE	Cotesfield NE	Goehner NE	Hoytville Oh	Wooster OH	Chatham Ont.	Harrow Ont.	Brookings SD
IA2068 (II)	38.4	58.1	47.0	68.1	60.7	60.6	55.6	23.1
IA1008 (SCN)	38.4	51.9	53.1	66.2	44.5	66.4	57.6	24.5
IA2065	48.3	64.1	67.0	72.5	60.9	71.6	50.6	29.7
E01205	43.3	71.4	43.9	72.9	59.4	69.2	65.6	26.7
E01260	34.0	50.4	47.4	78.6	55.5	70.1	73.5	23.6
LD00-1938	41.1	43.8	46.8	63.0	54.0	69.0	59.5	23.2
LD00-4970	32.8	57.7	58.8	71.9	66.4	64.8	58.6	25.1
U01-390224	47.3	64.5	58.5	72.7	51.5	72.8	45.2	27.3
U01-390560	43.6	64.4	61.3	77.2	64.8	70.4	55.4	20.9
U01-390701	40.5	60.5	61.5	71.6	48.3	57.4	67.6	23.1
C.V. (%)	10.0	9.6	6.0	4.2	9.1	8.8	5.9	13.1
L.S.D. (5%)	10.2	14.1	8.3	4.3	7.3	7.8	5.0	5.5
Row Sp. (In.)	30	30	30	7.5	7.5	17	18	30
Rows/Plot	4	4	4	8	8	5	5	4
Reps	2	2	2	3	3	3	3	3

UNIFORM TEST II, 2004

YIELD RANK

Strain	Beemer NE	Cotesfield NE	Goehner NE	Hoytville Oh	Wooster OH	Chatham Ont.	Harrow Ont.	Brookings SD
IA2068 (II)	7	6	8	8	4	9	7	8
IA1008 (SCN)	7	8	6	9	10	7	6	5
IA2065	1	4	1	5	3	2	9	1
E01205	4	1	10	3	5	5	3	3
E01260	9	9	7	1	6	4	1	6
LD00-1938	5	10	9	10	7	6	4	7
LD00-4970	10	7	4	6	1	8	5	4
U01-390224	2	2	5	4	8	1	10	2
U01-390560	3	3	3	2	2	3	8	10
U01-390701	6	5	2	7	9	10	2	8

UNIFORM TEST II, 2004

MATURITY (date)

Strain	Mean 17 Tests	Fayetteville* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Rippey IA	Dekalb IL	Dwight IL
IA2068 (II)	9/20	8/18	8/12	7/26	9/13		9/21	9/6
IA1008 (SCN)	-1.9	0	-4	0	-3		-2	0
IA2065	3.0	0	2	4	3		2	6
E01205	1.7	1	4	1	1		2	6
E01260	2.0	0	4	3	1		2	7
LD00-1938	0.9	0	-2	1	-1		-1	5
LD00-4970	3.8	0	0	1	2		2	8
U01-390224	-0.7	2	-1	2	0		-2	1
U01-390560	2.4	4	1	1	2		1	5
U01-390701	-0.7	0	-3	0	-3		-1	-1
Date Planted	5/3	5/6	5/4	4/20	5/3	5/21	4/29	5/5
Days to Mature	139	104	100	97	133		145	124

*Data not included in mean.

UNIFORM TEST II, 2004

LODGING (score)

Strain	Mean 19 Tests	Fayetteville* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Rippey IA	Dekalb IL	Dwight IL
IA2068 (II)	1.7	4.0	1.5	1.0	2.5	1.3	2.3	1.3
IA1008 (SCN)	1.5	1.0	1.2	1.0	2.0	1.3	1.7	1.5
IA2065	1.7	1.0	1.3	1.0	2.0	1.3	1.8	1.7
E01205	1.4	1.0	1.5	1.0	2.0	1.3	1.5	1.2
E01260	1.7	1.0	1.8	1.0	2.3	1.3	1.7	2.2
LD00-1938	1.5	1.0	1.8	1.0	2.0	1.3	1.0	2.7
LD00-4970	1.9	1.5	1.8	1.0	2.3	1.3	2.2	2.3
U01-390224	1.3	1.0	1.5	1.0	1.8	1.3	1.0	1.2
U01-390560	1.9	1.0	2.0	1.0	2.3	1.3	2.3	2.3
U01-390701	1.5	1.0	1.5	1.0	2.0	1.5	1.2	1.5

*Data not included in mean.

UNIFORM TEST II, 2004

MATURITY (date)

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI	Lamberton MN	Waseca MN	Portageville* (Loam) MO
IA2068 (II)	8/27	9/7	9/18	9/29	9/22	10/3	10/3	8/2
IA1008 (SCN)	-3	-2	-5	1	2	-2	0	-4
IA2065	4	4	-2	3	5	2	3	0
E01205	1	0	-2	1	2	-2	2	1
E01260	3	2	-3	1	5	0	1	0
LD00-1938	1	1	-3	5	5	-1	1	-8
LD00-4970	5	4	0	4	10	4	4	3
U01-390224	1	-1	-3	3	2	-3	0	-2
U01-390560	1	1	-3	1	6	1	3	2
U01-390701	-4	-1	-3	4	5	-3	0	-1
Date Planted	5/5	5/18	5/21	6/4	5/29	5/10	5/17	4/16
Days to Mature	114	112	120	117	116	146	139	108

UNIFORM TEST II, 2004

LODGING (score)

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI	Lamberton MN	Waseca MN	Portageville* (Loam) MO
IA2068 (II)	1.0	1.0	1.3	1.0	2.0	3.7	2.7	1.0
IA1008 (SCN)	1.0	1.0	1.2	1.0	1.0	2.3	2.0	1.0
IA2065	1.0	1.0	1.5	1.0	1.0	3.3	2.7	1.0
E01205	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0
E01260	1.0	1.0	1.3	1.0	1.5	3.0	2.7	1.0
LD00-1938	1.0	1.0	1.0	1.0	1.5	2.0	2.0	1.0
LD00-4970	1.0	1.0	1.0	1.5	2.0	3.7	3.0	1.0
U01-390224	1.0	1.0	1.2	1.0	1.0	1.7	2.0	1.0
U01-390560	1.0	1.0	2.0	1.0	1.0	3.3	3.0	1.0
U01-390701	1.0	1.0	1.0	1.0	2.5	2.0	2.0	1.0

UNIFORM TEST II, 2004

MATURITY (date)

Strain	Beemer NE	Cotesfield NE	Goehner NE	Hoytville Oh	Wooster OH	Chatham Ont.	Harrow Ont.	Brookings SD
IA2068 (II)		10/2	9/18		9/7	10/4	9/27	9/25
IA1008 (SCN)		-3	-6		-4	-1	-2	-1
IA2065		-2	1		7	5	5	2
E01205		1	1		8	0	5	1
E01260		1	1		3	1	6	1
LD00-1938		-8	-4		5	4	2	2
LD00-4970		-3	-1		8	5	6	3
U01-390224		-4	-4		-1	0	0	-1
U01-390560		2	-1		7	5	7	1
U01-390701		0	-4		-2	0	2	0
Date Planted	5/28	5/20	5/28	5/6	5/7	6/8	6/4	5/13
Days to Mature		135	113		123	118	115	135

UNIFORM TEST II, 2004

LODGING (score)

Strain	Beemer NE	Cotesfield NE	Goehner NE	Hoytville Oh	Wooster OH	Chatham Ont.	Harrow Ont.	Brookings SD
IA2068 (II)		3.0	2.0	1.0	1.0	1.0	2.0	1.0
IA1008 (SCN)		3.0	2.0	1.0	1.0	1.0	2.0	1.0
IA2065		3.0	2.0	1.0	1.0	1.0	3.0	1.0
E01205		3.0	2.0	1.0	1.0	1.0	1.7	1.0
E01260		3.0	2.0	1.0	1.0	1.0	2.7	1.0
LD00-1938		2.5	2.0	1.0	1.0	1.0	1.7	1.0
LD00-4970		3.0	2.0	1.0	2.0	1.0	2.0	1.0
U01-390224		3.0	1.0	1.0	1.0	1.0	2.0	1.0
U01-390560		4.0	2.0	1.0	1.3	1.0	3.0	1.0
U01-390701		3.0	2.0	1.0	1.0	1.0	2.0	1.0

UNIFORM TEST II, 2004**PLANT HEIGHT (inches)**

Strain	Mean 17 Tests	Fayetteville* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Rippey IA	Dekalb IL	Dwight IL
IA2068 (II)	30	29	22	21	35	31	32	28
IA1008 (SCN)	32	26	19	17	38	34	33	30
IA2065	29	25	24	18	31	28	30	26
E01205	29	26	27	23	34	29	32	28
E01260	31	28	23	25	34	31	31	28
LD00-1938	28	26	20	21	31	28	29	28
LD00-4970	33	32	26	21	37	33	34	32
U01-390224	29	24	17	18	32	32	27	27
U01-390560	31	23	21	22	33	32	30	27
U01-390701	30	25	24	21	36	33	30	27

*Data not included in mean.

UNIFORM TEST II, 2004**SEED SIZE (g/100)**

Strain	Mean 19 Tests	Fayetteville* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Rippey IA	Dekalb IL	Dwight IL
IA2068 (II)	14.2	14.9			15.0	15.3	13.8	13.6
IA1008 (SCN)	18.6	17.5			19.4	18.7	17.9	18.9
IA2065	16.1	15.5			17.2	17.2	15.4	16.1
E01205	15.6	15.3			16.5	17.0	15.6	16.5
E01260	20.5	20.6			20.4	22.8	21.1	21.0
LD00-1938	16.5	17.6			16.5	19.2	16.8	15.9
LD00-4970	14.5	15.6			16.1	15.8	13.8	15.1
U01-390224	20.5	21.4			21.1	21.4	19.2	20.1
U01-390560	18.6	18.1			19.2	20.0	19.1	19.0
U01-390701	17.9	19.9			18.8	19.1	17.3	17.3

*Data not included in mean.

UNIFORM TEST II, 2004**PLANT HEIGHT (inches)**

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI	Lamberton MN	Waseca MN	Portageville* (Loam) MO
IA2068 (II)	29	29	29	26	30	35	38	18
IA1008 (SCN)	29	33	32	32	30	41	37	11
IA2065	28	26	28	28	29	35	35	16
E01205	28	28	29	27	29	35	36	16
E01260	29	30	30	27	32	37	37	22
LD00-1938	26	27	29	27	26	32	32	12
LD00-4970	34	33	32	30	31	38	39	23
U01-390224	24	27	30	32	27	36	36	13
U01-390560	26	29	32	29	28	39	39	21
U01-390701	28	29	30	28	32	35	37	22

UNIFORM TEST II, 2004**SEED SIZE (g/100)**

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI	Lamberton MN	Waseca MN	Portageville* (Loam) MO
IA2068 (II)	12.9	13.5	15.9	13.7	15.4	15.1	16.7	14.1
IA1008 (SCN)	19.0	17.6	20.1	18.3	19.4	20.2	20.6	16.6
IA2065	14.2	14.4	17.4	16.2	17.1	17.6	18.4	16.4
E01205	15.0	15.1	16.4	17.1	15.9	14.6	16.5	14.8
E01260	19.4	18.4	22.9	18.7	21.8	21.8	23.9	18.6
LD00-1938	15.0	15.5	17.6	18.1	18.4	16.4	17.7	15.3
LD00-4970	13.2	14.5	15.7	14.2	15.1	14.5	14.8	14.0
U01-390224	19.6	18.7	22.2	20.9	21.9	21.0	22.3	19.8
U01-390560	16.2	17.2	20.8	17.9	19.3	19.4	20.0	17.5
U01-390701	16.6	16.6	20.1	19.5	20.5	18.3	19.9	17.0

UNIFORM TEST II, 2004**PLANT HEIGHT (inches)**

Strain	Beemer NE	Cotesfield NE	Goehner NE	Hoytville Oh	Wooster OH	Chatham Ont.	Harrow Ont.	Brookings SD
IA2068 (II)			32	28	21		30	24
IA1008 (SCN)			33	27	21		30	29
IA2065			33	28	22		25	28
E01205			31	25	22		31	27
E01260			33	32	22		29	28
LD00-1938			29	24	20		26	25
LD00-4970			37	30	28		30	26
U01-390224			30	31	22		27	25
U01-390560			32	29	23		33	31
U01-390701			35	26	21		32	29

UNIFORM TEST II, 2004**SEED SIZE (g/100)**

Strain	Beemer NE	Cotesfield NE	Goehner NE	Hoytville Oh	Wooster OH	Chatham Ont.	Harrow Ont.	Brookings SD
IA2068 (II)	11.5	15.4	13.8	14.5	13.3		14.9	11.0
IA1008 (SCN)	16.7	20.3	18.6	18.7	17.4		17.6	15.7
IA2065	14.5	17.2	16.6	17.2	14.2		16.0	12.5
E01205	13.8	16.9	16.3	16.0	14.9		16.3	11.4
E01260	17.3	23.7	20.6	22.4	16.9		21.7	14.6
LD00-1938	14.0	17.0	15.7	14.9	15.2		17.6	14.8
LD00-4970	12.7	14.6	14.2	13.9	15.3		14.9	11.9
U01-390224	19.5	22.9	21.0	21.5	18.5		19.3	17.9
U01-390560	14.8	21.1	18.9	20.1	18.6		18.9	13.8
U01-390701	15.7	19.5	18.1	18.7	14.2		19.2	13.1

UNIFORM TEST II, 2004**SEED QUALITY (score)**

Strain	Mean 12 Tests	Fayetteville* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Ripley IA	Dekalb IL	Dwight IL
IA2068 (II)	1.7	3.0					3.0	2.0
IA1008 (SCN)	1.5	2.5					2.0	2.0
IA2065	1.2	1.5					1.0	1.0
E01205	1.3	3.5					2.0	1.0
E01260	1.2	2.3					1.0	1.0
LD00-1938	1.2	1.2					1.0	1.0
LD00-4970	1.2	2.8					1.0	1.0
U01-390224	1.2	3.3					1.0	1.0
U01-390560	1.3	2.0					2.0	1.0
U01-390701	1.3	2.0					1.0	1.0

*Data not included in mean.

UNIFORM TEST II, 2004**GREEN STEM (score)**

	Mean 5	Fayetteville* irrigated	Pine Tree* irrigated	Lafayette	Wanatah	Harrow
IA2068 (II)	1.3	1.0	2.3	1.0	1.0	1.0
IA1008 (SCN)	1.9	2.7	2.7	1.0	2.0	1.0
IA2065	1.9	2.7	3.0	1.0	2.0	1.0
E01205	1.5	1.0	2.7	1.0	2.0	1.0
E01260	1.8	1.0	5.0	1.0	1.0	1.0
LD00-1938	1.1	1.0	1.5	1.0	1.0	1.0
LD00-4970	1.5	1.0	2.0	1.0	2.5	1.0
U01-390224	2.1	4.5	2.0	1.0	2.0	1.0
U01-390560	1.5	1.0	2.7	1.0	2.0	1.0
U01-390701	1.2	1.0	2.0	1.0	1.0	1.0

UNIFORM TEST II, 2004**SEED QUALITY (score)**

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI	Lamberton MN	Waseca MN	Portageville* (Loam) MO
IA2068 (II)	2.0	1.0	1.5			1.7	1.5	3.0
IA1008 (SCN)	1.5	1.0	1.0			2.0	1.5	4.0
IA2065	1.0	1.0	1.0			1.5	1.5	4.5
E01205	1.0	1.0	1.0			1.3	1.0	4.0
E01260	1.0	1.0	1.0			1.5	1.0	4.0
LD00-1938	1.0	1.0	1.0			1.3	1.0	3.0
LD00-4970	1.0	1.0	1.0			1.0	1.0	3.0
U01-390224	1.0	1.0	1.0			1.5	1.0	4.0
U01-390560	1.0	1.0	1.0			1.3	1.3	3.5
U01-390701	1.0	1.0	1.0			1.5	2.0	4.5

UNIFORM TEST II, 2004**SEED QUALITY (score)**

Strain	Beemer NE	Cotesfield NE	Goehner NE	Hoytville Oh	Wooster OH	Chatham Ont.	Harrow Ont.	Brookings SD
IA2068 (II)				1.8	1.6		1.0	2.0
IA1008 (SCN)				1.6	1.3		1.0	2.0
IA2065				1.3	1.3		1.0	2.0
E01205				1.7	1.4		1.0	2.0
E01260				1.4	1.3		1.0	2.0
LD00-1938				1.3	1.3		1.0	2.0
LD00-4970				1.4	1.3		1.0	2.0
U01-390224				1.4	1.4		1.0	2.0
U01-390560				1.5	1.3		1.0	2.0
U01-390701				1.4	1.3		1.0	2.0

UNIFORM TEST II, 2004**PROTEIN (%)**

Strain	Mean 5 Tests	Ames IA	Dekalb IL	Wanatah IN	Waseca MN	Hoytville OH
IA2068 (II)	40.4	40.3	39.9	40.0	41.3	40.6
IA1008 (SCN)	40.7	39.6	41.7	40.8	41.0	40.6
IA2065	40.2	38.8	40.1	41.0	40.8	40.5
E01205	39.8	39.2	40.1	40.2	40.3	39.4
E01260	40.3	39.4	41.1	40.8	40.5	39.8
LD00-1938	41.6	40.2	42.4	41.6	41.9	41.7
LD00-4970	41.2	40.7	40.9	41.7	42.7	40.0
U01-390224	39.4	38.9	39.9	39.8	39.7	38.9
U01-390560	40.4	40.0	40.4	41.4	39.9	40.2
U01-390701	40.3	39.6	40.4	40.0	40.9	40.8

UNIFORM TEST II, 2004**OIL (%)**

Strain	Mean 5 Tests	Ames IA	Dekalb IL	Wanatah IN	Waseca MN	Hoytville OH
IA2068 (II)	18.1	18.2	18.2	18.0	17.7	18.3
IA1008 (SCN)	18.5	19.1	17.6	18.7	19.0	18.0
IA2065	19.8	20.8	19.2	19.1	20.0	20.1
E01205	18.4	18.6	18.2	17.6	18.3	19.2
E01260	19.1	19.5	18.4	18.8	19.3	19.5
LD00-1938	18.7	19.1	18.6	18.9	18.5	18.3
LD00-4970	18.7	19.8	18.5	18.2	17.9	19.1
U01-390224	18.6	18.6	18.2	18.9	17.9	19.5
U01-390560	19.5	19.8	19.5	19.1	19.3	19.9
U01-390701	19.1	18.5	19.7	19.4	18.4	19.4

Preliminary Test II, 2004

Ent.	Strain	Parentage	Generation Compositated	Unique Traits
1.	IA2068 (II)	AgriPro P1953 x LN94-10470	F5	SCN
2.	IA1008 (SCN)	Northrup King S20-20 x Jack	F5	SCN
3.	IA2065			2% linolenic
4.	IA2064			1% linolenic
5.	A03-741005	IA1008 x A99-215025	F4	SCN
6.	A03-741021	A99-212014 x Land O'Lakes 96-08769	F5	
7.	A03-743050	A99-312028 x Dairyland 98777	F5	
8.	A03-841022	A99-113038 x Land O'Lakes 96-08769	F4	
9.	A03-841043	A99-312028 x Dairyland 98777	F5	
10.	A03-842004	A99-215025 x Northrup King S20-F8	F4	
11.	A03-842007	A99-213052 x AgriPro 93046-A95-31271E	F4	
12.	A03-842011	A99-215025 x Northrup King S20-F8	F4	
13.	A03-842023	A99-112003 x Dairyland 95895	F5	SCN
14.	A03-843013	A99-312028 x AgriPro 93036-A95-07274	F5	
15.	A03-843044	A99-312052 x Pioneer 92B37	F4	
16.	A03-843054	A99-312052 x Pioneer 92B37	F4	
17.	A03-946036			1% linolenic
18.	A03-946045			1% linolenic
19.	CL00-15834			
20.	E02067	IA2036 x CX252	F5	
21.	E02103	Mycogen x Jack	F5	
22.	E02136	IA2036 x PIO 9245	F5	
23.	E02159	Jack x OAC Bayfield	F5	
24.	HF02-0593	HF93-194 x U95-3231	F5	1k, 3a
25.	HF02-0811	Defiance x OXR-96201	F5	1k, 3a
26.	ORC 0306	S14-H4 x Ivory	F5	
27.	SD00-314	M91-821 x E93424	F5	
28.	SD00-377	M91-1137 x M91-1087	F5	
29.	SD00-632	SD93-851 x LN88-10534	F5	
30.	SD00-732	E93433 x M911416	F5	
31.	SD00-746	E93433 x M911416	F5	
32.	SD00-1065	Sturdy x E91031	F5	
33.	SD00-1574	SD93-1040 x E93424	F5	
34.	SD00-1587	SD93-1040 x E93424	F5	
35.	SD00-2344	SD93-1040 x Surge	F5	
36.	SD00-2439	SD93-1387 x A94-572028	F5	
37.	U01-290680	NE3001 x Hol-833	F5	
38.	U01-290681	NE3001 x Hol-833	F5	
39.	U01-291039	A97-871009 x A97-770031	F5	
40.	U01-390157	NE1900 x Heinong 10	F5	
41.	U01-390159	NE1900	F5	
42.	U01-390194	NE1900 x Suinong 38	F5	Det.
43.	U01-390489	IA1008 x NE3001	F5	Det. SCN?
44.	U01-390496	IA1008 x NE3001	F5	Det. SCN?
45.	U01-390504	NE3001 x A97-770012	F5	
46.	U01-390511	NE3001 x A97-770012	F5	
47.	U01-390517	NE3001 x A97-871009	F5	Det.
48.	U01-390553	NE3001 x NE1900	F5	Det.
49.	U01-390637	M91-163126 x NE1900	F5	Det.
50.	U01-390794	NE1900 x Pioneer 93B82	F5	Det.

PRELIMINARY TEST II, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Chlorosis</u>	<u>Green Stem</u>	<u>Shattering</u>	<u>PR</u>		<u>PS</u>	<u>FE</u>
		Score Humboldt IA	Score Harrow ONT	Score Manhattan KS	Lafayette Race 4	Lafayette Race 7	Lafayette a %	Lafayette n
IA2068 (II)	WGBYYYI	3.1	1.0	1.0	S	R	35	S
IA1008 (SCN)	WGBDYII	3.5	1.0	1.0	S	R	21	S
IA2065	PTBDYBII	3.5	1.0	1.0	R	R	14	S
IA2064	PTBDYBII	3.4	1.0	1.0	R	R	21	
A03-741005	WGBDYII	3.8	1.0	1.0	S	S	19	S
A03-741021	PGTIYYI	3.1	1.0	1.0	S	R	5	S
A03-743050	PGBDYII	3.1	1.0	1.0	S	H	30	S
A03-841022	PGBIYYI	3.3	1.0	1.0	R	R	27	S
A03-841043	PGBDYII	3.8	1.0	1.0	S	H	18	S
A03-842004	PGBDYII	3.5	1.0	1.0	S	S	31	S
A03-842007	PGBDYY+LbfI	3.1	1.0	1.0	S	S	10	
A03-842011	PGBDYII	2.8	1.0	1.0	S	R	5	
A03-842023	PGTDYII	2.9	1.0	1.0	S	H	11	
A03-843013	PGBDYY+LbfI	3.3	1.0	1.0	S	S	8	S
A03-843044	PGBDYII	3.4	1.0	1.0	S	H	3	S
A03-843054	PGBDYY+BfI	3.1	1.0	1.0	S	S	33	
A03-946036	WTBSYBII	3.5	1.0	1.0	S	R	4	
A03-946045	PTBIYBII	3.9	1.0	2.0	S	H	4	
CL00-15834	PTBDYBII	3.3	1.0	1.0	S	S	4	
E02067	PGBSYYI	3.4	1.0	1.0	S	R	0	
E02103	PTTDYBfI	3.9	1.0	1.0	S	R	4	S
E02136	PGBDYII	3.1	1.0	1.0	S	S	13	S
E02159	PGBIYGrI	3.4	1.0	1.0	S	H	6	S
HF02-0593	PTTIYLBII	3.8	1.0	2.0	R	R	2	S
HF02-0811	WGBDYBfI	3.4	1.0	1.0	R	R	3	S
ORC 0306	WGBDYII	2.9	1.0	2.0	R	R	4	S
SD00-314	PGTDYGrI	3.3	1.0	1.0	S	S	8	S
SD00-377	PGBDYBfI	3.0	1.0	2.0	S	R	19	S
SD00-632	WGBDYBfI	3.4	1.0	1.0	R	R	15	
SD00-732	PGBDYIb+BfI	3.3	1.0	1.0	S	S	16	S
SD00-746	PTSDYBII	4.0	1.0	1.0	S	S	15	S
SD00-1065	PTBDYBII	3.3	1.0	1.0	S	S	7	
SD00-1574	WGBDYBfI	3.5	1.0	1.0	S	S	23	
SD00-1587	P+WGBDYBfI	3.6	1.0	1.0	S	S	16	
SD00-2344	WGBDYBfI	3.1	1.0	1.0	S	R	22	
SD00-2439	PGTDYIbI	3.1	1.0	1.0	R	R	1	
U01-290680	WGBIYYI	3.0	1.0	1.0	S	S	10	
U01-290681	WTBIYBII	3.4	1.0	1.0	R	R	3	S
U01-291039	WGBDYII	2.9	1.0	1.0	R	R	3	
U01-390157	WGTDYII	3.1	1.0	1.0	S	S	10	S
U01-390159	WGTDYII	3.3	1.0	1.0	S	H	7	S
U01-390194	WGBDYII	3.1	1.0	2.0	S	S	8	S
U01-390489	WGBDYII	3.9	1.0	1.0	S	R	3	S
U01-390496	WGBILbfI	3.0	1.0	2.0	S	R	4	S
U01-390504	PGBDYII	3.4	1.0	1.0	S	S	4	S
U01-390511	WGBDYII	3.1	1.0	1.0	S	S	5	S
U01-390517	WGBIYBfI	3.3	1.0	1.0	S	S	7	S
U01-390553	WGBSYYI	2.6	1.0	1.0	S	S	2	S
U01-390637	WGBDYII	3.5	1.0	2.0	S	S	14	S
U01-390794	PGBDYII	3.1	1.0	1.0	S	S	4	S

Frogeye Leaf Spot S = susceptible, blank = lesions not detected

PRELIMINARY TEST II, 2004

REGIONAL SUMMARY

No. of Tests Strain	Yield 11 bu/a	Rank 11 No.	Maturity 8 Date	Lodging 10 Score	Plant Height 9 In.	Seed Size 11 g/100	Seed Quality 5 Score	Composition	
								Protein 5 %	Oil 5 %
IA2068 (II)	55.0	20	9/18	1.6	28	14.0	1.6	40.2	19.1
IA1008 (SCN)	49.0	46	-2.6	1.5	31	18.0	1.5	41.1	19.3
IA2065	57.4	6	2.7	1.6	28	15.8	1.3	40.1	20.2
IA2064	53.5	24	2.3	1.7	31	14.3	1.3	41.8	20.6
A03-741005	52.4	29	2.0	1.5	29	19.3	1.6	41.5	19.7
A03-741021	49.8	40	0.8	1.7	32	18.0	1.4	41.0	19.7
A03-743050	51.1	34	0.8	1.7	34	16.8	1.3	43.2	18.5
A03-841022	51.3	32	-0.7	1.7	31	18.6	1.3	41.4	19.1
A03-841043	48.0	47	-1.9	1.5	27	18.2	1.3	44.5	18.6
A03-842004	55.1	15	3.1	1.5	31	19.7	1.3	42.0	19.5
A03-842007	52.8	27	1.9	1.5	27	19.1	1.4	41.5	19.7
A03-842011	50.7	38	0.4	1.7	31	19.9	1.4	41.0	19.8
A03-842023	50.0	39	-0.1	1.3	25	17.5	1.3	42.0	19.2
A03-843013	52.0	30	1.2	1.7	28	16.6	1.4	41.3	18.6
A03-843044	53.9	22	4.5	1.6	33	19.9	1.3	44.2	18.8
A03-843054	54.6	16	4.4	1.6	32	16.2	1.3	42.2	19.1
A03-946036	55.4	12	1.1	1.5	28	15.0	1.3	40.5	19.4
A03-946045	51.2	33	0.5	1.6	31	13.9	1.5	40.2	19.8
CL00-15834	58.1	5	3.2	1.9	33	16.0	1.3	39.6	19.8
E02067	46.5	50	-0.6	1.7	29	17.9	1.3	40.2	19.7
E02103	50.8	35	2.2	1.4	28	14.8	1.3	40.6	19.4
E02136	46.9	49	3.8	1.8	36	20.8	1.4	43.2	18.4
E02159	52.7	28	4.0	2.1	37	16.7	1.5	40.5	19.2
HF02-0593	57.0	7	6.9	2.2	34	17.0	1.5	39.0	19.3
HF02-0811	50.8	35	5.9	1.9	36	17.6	1.3	41.8	19.8
ORC 0306	53.2	26	2.9	1.4	28	18.1	1.3	42.7	18.6
SD00-314	47.9	48	-4.1	1.8	30	14.4	1.5	40.1	19.7
SD00-377	49.2	45	-3.3	1.4	28	18.8	1.5	43.4	19.4
SD00-632	49.5	43	-5.7	1.7	29	16.7	1.8	41.7	19.3
SD00-732	54.5	18	1.1	1.5	27	16.6	1.5	42.1	19.3
SD00-746	50.8	35	-0.5	1.6	28	17.1	1.4	42.3	18.8
SD00-1065	49.6	42	2.3	1.5	30	17.1	1.3	41.2	19.2
SD00-1574	52.0	30	-0.2	1.7	31	18.8	1.7	41.8	19.6
SD00-1587	56.2	9	-1.1	1.7	33	17.3	1.3	41.0	19.2
SD00-2344	49.5	44	-4.0	2.1	32	16.7	1.5	40.8	19.6
SD00-2439	49.8	40	-3.6	1.6	27	16.1	1.3	40.0	19.6
U01-290680	58.2	4	2.9	1.9	31	15.2	1.3	39.7	20.9
U01-290681	55.3	13	0.7	1.9	28	17.2	1.3	39.8	20.6
U01-291039	55.3	13	-2.2	1.7	33	17.1	1.3	40.3	20.1
U01-390157	54.1	21	3.8	2.0	30	16.9	1.3	40.7	18.8
U01-390159	53.4	25	1.9	1.8	31	16.8	1.4	40.7	18.8
U01-390194	53.8	23	2.9	1.8	29	16.9	1.3	39.2	19.5
U01-390489	62.4	1	1.4	1.6	32	18.3	1.4	39.8	20.1
U01-390496	55.9	10	5.8	1.8	30	18.1	1.6	39.6	19.9
U01-390504	56.4	8	4.4	1.8	34	16.0	1.3	42.6	19.0
U01-390511	58.6	2	4.4	1.8	34	16.7	1.3	40.9	19.8
U01-390517	55.5	11	-0.2	1.7	29	19.9	1.5	39.8	20.5
U01-390553	54.6	16	-0.7	1.8	28	16.4	1.3	40.3	19.3
U01-390637	54.5	18	3.1	1.6	33	15.1	1.3	40.0	18.6
U01-390794	58.3	3	0.6	2.0	30	16.5	1.3	40.6	20.1

PRELIMINARY TEST II, 2004

YIELD (bu/a)

Strain	Mean 11 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2068 (II)	54.4	58.8	53.0	56.9	48.8	36.3	42.3
IA1008 (SCN)	49.0	50.7	47.9	44.6	43.2	50.5	39.5
IA2065	57.4	71.8	54.1	51.3	52.7	48.3	45.0
IA2064	53.5	59.6	47.5	49.7	47.6	45.5	45.4
A03-741005	52.4	55.0	51.0	48.2	42.6	47.8	38.7
A03-741021	49.8	53.4	46.1	50.8	44.8	48.8	36.9
A03-743050	51.1	56.1	49.8	42.4	43.9	46.6	45.0
A03-841022	51.3	51.0	42.8	50.9	43.1	51.1	40.0
A03-841043	48.0	41.5	46.3	43.1	38.7	40.5	34.0
A03-842004	55.1	59.7	55.0	43.1	46.8	44.2	41.7
A03-842007	52.8	58.4	52.1	42.6	43.6	43.5	42.7
A03-842011	50.7	51.2	43.5	42.9	40.9	48.3	36.0
A03-842023	50.0	56.7	48.2	53.5	36.4	44.5	42.4
A03-843013	52.0	63.6	48.3	55.1	49.8	39.3	44.6
A03-843044	53.9	57.3	48.2	46.1	45.7	49.5	39.2
A03-843054	54.6	67.4	55.1	55.0	47.9	43.0	42.0
A03-946036	55.4	58.9	44.8	51.6	48.1	51.3	46.2
A03-946045	51.2	56.8	41.2	44.9	48.3	48.1	44.4
CL00-15834	58.1	66.2	58.9	56.4	50.8	47.9	45.3
E02067	46.5	47.1	46.6	42.8	43.3	49.9	39.0
E02103	50.8	65.7	51.1	44.4	47.1	45.6	40.8
E02136	46.9	52.0	45.3	41.0	44.7	46.9	39.8
E02159	52.7	50.4	51.9	46.7	51.2	44.6	38.5
HF02-0593	57.0	59.6	46.3	54.1	56.9	48.9	40.7
HF02-0811	50.8	55.0	57.1	45.7	50.4	46.9	40.3
ORC 0306	53.2	51.9	46.4	44.7	44.9	52.7	40.6
SD00-314	47.9	50.6	50.0	39.5	39.2	43.0	44.7
SD00-377	49.2	50.0	42.3	39.7	37.8	46.8	42.2
SD00-632	49.5	51.6	52.3	35.2	40.6	49.8	42.4
SD00-732	54.5	63.3	56.3	46.5	52.0	46.6	44.5
SD00-746	50.8	62.1	47.8	43.6	43.6	46.0	39.2
SD00-1065	49.6	54.7	46.6	45.9	43.3	40.3	40.0
SD00-1574	52.0	57.6	48.5	40.0	45.0	50.6	47.3
SD00-1587	56.2	55.1	54.2	47.3	44.6	49.0	49.9
SD00-2344	49.5	53.8	43.6	44.5	38.2	56.9	40.2
SD00-2439	49.8	53.5	48.5	44.4	40.3	46.1	42.2
U01-290680	58.2	61.9	60.7	51.7	50.9	39.5	47.7
U01-290681	55.3	61.8	50.1	45.8	43.2	49.5	40.7
U01-291039	55.3	58.3	53.4	43.2	39.3	53.6	45.0
U01-390157	54.1	58.2	53.1	47.6	49.3	37.8	43.0
U01-390159	53.4	57.3	55.1	49.6	47.5	40.2	44.7
U01-390194	53.8	64.1	62.2	54.8	54.1	24.7	41.9
U01-390489	62.4	63.8	64.1	54.0	53.0	57.9	51.5
U01-390496	55.9	56.4	51.1	56.4	53.8	46.6	43.7
U01-390504	56.4	64.3	52.9	54.8	53.8	37.8	45.5
U01-390511	58.6	66.6	53.2	57.9	57.8	50.6	45.5
U01-390517	55.5	49.0	54.2	46.5	46.3	52.1	49.0
U01-390553	54.6	50.8	57.3	48.0	47.7	52.6	42.8
U01-390637	54.5	61.2	51.4	48.0	49.5	45.9	45.5
U01-390794	58.3	64.2	58.9	56.0	49.5	48.6	45.4
C.V. (%)		5.8	6.6	7.1	9.4	14.2	8.1
L.S.D. (5%)		6.7	6.7	6.8	8.7	11.0	8.6
Row Sp. (In.)		27	27	30	24	15	30
Rows/Plot		4	4	4	4	6	4
Reps		2	2	2	2	2	2

PRELIMINARY TEST II, 2004

YIELD (bu/a)

Strain	Cotesfield NE	Goehner NE	Hoytville OH	Harrow Ont.	Brookings* SD
IA2068 (II)	69.0	57.9	65.7	55.4	24.5
IA1008 (SCN)	45.7	53.6	65.5	49.1	24.6
IA2065	72.2	67.0	67.7	44.0	25.6
IA2064	57.5	60.5	70.6	51.4	26.3
A03-741005	54.9	60.6	67.0	58.7	28.1
A03-741021	52.7	59.4	65.7	39.2	28.3
A03-743050	55.5	54.9	61.6	55.7	27.1
A03-841022	46.9	62.3	67.2	58.1	20.5
A03-841043	59.9	55.4	57.9	62.7	20.7
A03-842004	67.4	65.9	63.3	64.1	30.6
A03-842007	66.1	64.5	60.8	54.1	19.3
A03-842011	64.2	56.5	63.3	60.0	19.1
A03-842023	56.3	60.3	58.6	43.4	22.4
A03-843013	49.3	61.7	65.2	43.1	22.0
A03-843044	61.0	65.0	69.9	57.4	18.7
A03-843054	59.5	56.4	66.2	53.3	26.2
A03-946036	63.6	65.1	70.0	54.3	25.8
A03-946045	58.5	59.3	59.0	51.4	20.6
CL00-15834	63.5	62.4	75.4	54.7	19.2
E02067	47.6	56.8	60.0	31.5	20.9
E02103	58.1	59.0	54.0	42.1	25.2
E02136	43.6	37.8	66.6	51.4	21.7
E02159	54.9	60.8	73.9	53.9	27.0
HF02-0593	59.1	65.0	78.0	61.1	24.1
HF02-0811	44.6	49.4	68.2	50.6	19.2
ORC 0306	63.8	58.2	67.4	61.3	25.2
SD00-314	56.8	58.0	57.4	40.1	25.7
SD00-377	55.3	56.3	65.0	56.6	20.6
SD00-632	61.2	59.2	57.4	45.2	26.5
SD00-732	67.4	62.2	58.1	48.5	24.9
SD00-746	59.0	56.1	59.9	50.9	28.1
SD00-1065	53.8	59.0	58.9	53.3	23.0
SD00-1574	58.3	61.2	61.7	50.1	27.8
SD00-1587	69.2	66.8	73.3	52.6	27.2
SD00-2344	52.5	53.8	52.7	58.5	27.1
SD00-2439	60.9	61.3	59.1	41.5	19.5
U01-290680	63.3	69.0	72.0	65.5	27.8
U01-290681	68.4	63.7	66.6	63.5	26.6
U01-291039	64.0	73.9	68.9	53.1	27.6
U01-390157	65.4	65.7	67.7	53.5	26.6
U01-390159	59.7	64.1	64.1	52.1	19.0
U01-390194	59.6	52.9	70.0	54.0	25.2
U01-390489	73.7	61.7	79.2	65.0	26.3
U01-390496	66.2	65.7	67.7	51.9	22.5
U01-390504	64.8	59.6	76.1	54.1	22.7
U01-390511	65.2	58.0	74.6	56.6	26.0
U01-390517	72.4	59.4	68.3	57.4	26.6
U01-390553	68.4	62.1	69.4	47.0	26.5
U01-390637	61.2	65.1	71.3	46.4	22.1
U01-390794	61.8	67.3	68.6	62.5	25.0
C.V. (%)	9.7	8.5	4.0	5.2	18.6
L.S.D. (5%)	14.5	13.4	4.4	4.6	9.1
Row Sp. (In.)	30	30	7.5	18	30
Rows/Plot	4	4	8	5	4
Reps	2	2	2	2	2

PRELIMINARY TEST II, 2004

YIELD RANK

Strain	Yield Rank	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2068 (II)	20	20	18	2	17	49	27
IA1008 (SCN)	46	44	35	34	38	11	42
IA2065	6	1	14	15	7	20	13
IA2064	24	17	37	18	22	35	10
A03-741005	29	32	26	20	41	24	46
A03-741021	40	37	43	17	30	18	48
A03-743050	34	30	29	45	33	28	13
A03-841022	32	42	48	16	40	8	39
A03-841043	47	50	41	41	47	42	50
A03-842004	15	16	11	40	25	38	32
A03-842007	27	21	21	44	34	39	24
A03-842011	38	41	47	42	42	21	49
A03-842023	39	28	33	12	50	37	25
A03-843013	30	10	32	6	13	46	18
A03-843044	22	25	33	28	27	14	43
A03-843054	16	2	9	7	20	40	30
A03-946036	12	19	45	14	19	7	6
A03-946045	33	27	50	32	18	22	20
CL00-15834	5	4	4	3	11	23	12
E02067	50	49	38	43	36	12	45
E02103	35	5	24	36	24	34	33
E02136	49	38	44	46	31	25	41
E02159	28	46	22	25	9	36	47
HF02-0593	7	17	41	10	2	17	34
HF02-0811	35	32	7	31	12	26	37
ORC 0306	26	39	40	33	29	4	36
SD00-314	48	45	28	49	46	41	16
SD00-377	45	47	49	48	49	27	28
SD00-632	43	40	20	50	43	13	25
SD00-732	18	11	8	26	8	29	19
SD00-746	35	12	36	38	34	32	43
SD00-1065	42	34	38	29	36	43	39
SD00-1574	30	24	30	47	28	9	5
SD00-1587	9	31	12	24	32	16	2
SD00-2344	44	35	46	35	48	2	38
SD00-2439	40	36	30	36	44	31	28
U01-290680	4	13	3	13	10	45	4
U01-290681	13	14	27	30	38	15	34
U01-291039	13	22	15	39	45	3	13
U01-390157	21	23	17	23	16	47	22
U01-390159	25	25	9	19	23	44	16
U01-390194	23	8	2	8	3	50	31
U01-390489	1	9	1	11	6	1	1
U01-390496	10	29	24	3	5	30	21
U01-390504	8	6	19	8	4	48	7
U01-390511	2	3	16	1	1	10	7
U01-390517	11	48	12	27	26	6	3
U01-390553	16	43	6	21	21	5	23
U01-390637	18	15	23	21	14	33	7
U01-390794	3	7	4	5	14	19	10

PRELIMINARY TEST II, 2004

YIELD RANK

Strain	Cotesfield NE	Goehner NE	Hoytville OH	Harrow Ont.	Brookings SD
IA2068 (II)	5	38	28	18	30
IA1008 (SCN)	48	47	30	38	29
IA2065	3	4	19	43	23
IA2064	35	26	10	32	17
A03-741005	40	25	24	10	3
A03-741021	43	29	28	49	2
A03-743050	38	45	37	17	9
A03-841022	47	17	23	12	43
A03-841043	26	44	46	5	40
A03-842004	8	6	34	3	1
A03-842007	11	13	38	21	45
A03-842011	15	40	34	9	48
A03-842023	37	27	44	44	35
A03-843013	45	20	31	45	37
A03-843044	24	11	13	13	50
A03-843054	29	41	27	27	19
A03-946036	18	9	11	20	21
A03-946045	32	31	42	32	41
CL00-15834	19	16	4	19	46
E02067	46	39	39	50	39
E02103	34	33	49	46	24
E02136	50	50	25	32	38
E02159	40	24	6	24	11
HF02-0593	30	11	2	8	31
HF02-0811	49	49	18	36	46
ORC 0306	17	35	22	7	24
SD00-314	36	36	47	48	22
SD00-377	39	42	32	15	41
SD00-632	22	32	47	42	15
SD00-732	8	18	45	39	28
SD00-746	31	43	40	35	3
SD00-1065	42	33	43	25	32
SD00-1574	33	23	36	37	5
SD00-1587	4	5	7	29	8
SD00-2344	44	46	50	11	9
SD00-2439	25	22	41	47	44
U01-290680	20	2	8	1	5
U01-290681	6	15	25	4	12
U01-291039	16	1	15	28	7
U01-390157	12	7	19	25	12
U01-390159	27	14	33	30	49
U01-390194	28	48	11	23	24
U01-390489	1	20	1	2	17
U01-390496	10	7	19	31	34
U01-390504	14	28	3	21	33
U01-390511	13	36	5	15	20
U01-390517	2	29	17	13	12
U01-390553	6	19	14	40	15
U01-390637	22	9	9	41	36
U01-390794	21	3	16	6	27

PRELIMINARY TEST II, 2004

MATURITY (date)

Strain	Mean 8 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2068 (II)	9/18	9/13		8/28	9/10	9/29	
IA1008 (SCN)	-2.6	-3		-2	-2	-1	
IA2065	2.7	3		4	7	3	
IA2064	2.3	1		4	5	1	
A03-741005	2.0	0		0	3	1	
A03-741021	0.8	-1		-2	3	1	
A03-743050	0.8	0		-2	2	1	
A03-841022	-0.7	-1		-5	1	-2	
A03-841043	-1.9	-1		-4	1	1	
A03-842004	3.1	3		0	5	3	
A03-842007	1.9	1		-2	3	1	
A03-842011	0.4	0		-3	1	-1	
A03-842023	-0.1	1		-2	3	-2	
A03-843013	1.2	4		-2	3	-1	
A03-843044	4.5	4		3	6	3	
A03-843054	4.4	1		2	5	4	
A03-946036	1.1	1		0	3	-1	
A03-946045	0.5	0		-1	4	0	
CL00-15834	3.2	6		6	8	2	
E02067	-0.6	-2		-6	2	2	
E02103	2.2	2		1	4	1	
E02136	3.8	4		1	2	4	
E02159	4.0	3		3	7	3	
HF02-0593	6.9	8		8	10	5	
HF02-0811	5.9	8		6	8	1	
ORC 0306	2.9	1		1	2	1	
SD00-314	-4.1	-6		-8	1	-3	
SD00-377	-3.3	-5		-7	-3	1	
SD00-632	-5.7	-4		-6	-2	-3	
SD00-732	1.1	0		-4	3	2	
SD00-746	-0.5	0		-3	1	0	
SD00-1065	2.3	1		-3	2	3	
SD00-1574	-0.2	-2		-4	2	-1	
SD00-1587	-1.1	-2		-6	1	-1	
SD00-2344	-4.0	-5		-5	-3	-4	
SD00-2439	-3.6	-4		-6	-3	0	
U01-290680	2.9	3		-1	5	2	
U01-290681	0.7	-2		-2	4	-1	
U01-291039	-2.2	-2		-6	-1	-3	
U01-390157	3.8	6		2	6	4	
U01-390159	1.9	0		-2	4	2	
U01-390194	2.9	2		-2	4	2	
U01-390489	1.4	2		2	5	4	
U01-390496	5.8	9		5	7	4	
U01-390504	4.4	6		4	6	1	
U01-390511	4.4	6		5	5	5	
U01-390517	-0.2	-3		-3	0	0	
U01-390553	-0.7	0		-6	0	-1	
U01-390637	3.1	3		0	4	2	
U01-390794	0.6	1		-3	2	0	
Date Planted	5/19	5/3	5/21	5/6	5/18	6/4	5/28
Days to Mature	122	133		114	115	117	

PRELIMINARY TEST II, 2004

MATURITY (date)

Strain	Cotesfield NE	Goehner NE	Hoytville OH	Harrow Ont.	Brookings SD
IA2068 (II)	10/1	9/16		9/27	9/25
IA1008 (SCN)	-4	-5		-3	-1
IA2065	1	1		3	0
IA2064	-1	2		3	3
A03-741005	3	3		5	2
A03-741021	0	-1		4	2
A03-743050	-2	-1		6	2
A03-841022	-1	-2		3	1
A03-841043	-2	-3		-9	1
A03-842004	4	1		6	3
A03-842007	3	2		5	3
A03-842011	5	2		2	-2
A03-842023	-5	-1		3	2
A03-843013	-4	1		6	2
A03-843044	6	4		8	3
A03-843054	5	5		10	4
A03-946036	-1	2		3	1
A03-946045	-3	-1		4	1
CL00-15834	4	4		8	-12
E02067	-1	0		-1	1
E02103	2	2		2	4
E02136	4	3		8	4
E02159	4	3		6	4
HF02-0593	6	6		10	3
HF02-0811	5	5		11	3
ORC 0306	5	2		9	3
SD00-314	-7	-5		-5	0
SD00-377	-4	-5		-5	1
SD00-632	-8	-6		-13	-4
SD00-732	2	2		3	1
SD00-746	-3	-1		0	1
SD00-1065	4	2		8	2
SD00-1574	2	-1		0	2
SD00-1587	1	0		0	-1
SD00-2344	-6	-4		-1	-5
SD00-2439	-9	-5		-2	0
U01-290680	0	4		6	4
U01-290681	-4	4		4	2
U01-291039	-3	-3		1	-1
U01-390157	-1	2		8	3
U01-390159	0	3		6	2
U01-390194	3	5		8	2
U01-390489	4	3		-10	2
U01-390496	6	3		9	3
U01-390504	6			7	1
U01-390511	6	3		3	2
U01-390517	-1	-1		4	2
U01-390553	-5	3		1	2
U01-390637	3	5		6	3
U01-390794	-1	2		2	1
Date Planted	5/20	5/28	5/6	6/4	5/13
Days to Mature	134	111		115	135

PRELIMINARY TEST II, 2004

LODGING (score)

Strain	Mean 10 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2068 (II)	1.6	2.5	1.3	1.0	1.0	1.0	
IA1008 (SCN)	1.5	2.0	1.3	1.0	1.0	1.0	
IA2065	1.6	2.0	1.3	1.0	1.0	1.0	
IA2064	1.7	2.5	1.3	1.0	1.0	1.5	
A03-741005	1.5	2.0	1.0	1.0	1.0	1.0	
A03-741021	1.7	2.3	2.0	1.0	1.0	1.0	
A03-743050	1.7	2.5	1.5	1.0	1.0	2.0	
A03-841022	1.7	2.3	1.5	1.0	1.0	1.0	
A03-841043	1.5	2.0	1.0	1.0	1.0	1.0	
A03-842004	1.5	2.0	1.0	1.0	1.0	1.0	
A03-842007	1.5	2.0	1.5	1.0	1.0	1.0	
A03-842011	1.7	2.5	1.3	1.0	1.0	1.5	
A03-842023	1.3	2.0	1.0	1.0	1.0	1.0	
A03-843013	1.7	2.5	1.3	1.0	1.0	1.5	
A03-843044	1.6	2.0	1.3	1.0	1.0	1.0	
A03-843054	1.6	2.0	1.3	1.0	1.0	1.0	
A03-946036	1.5	2.0	1.0	1.0	1.0	1.0	
A03-946045	1.6	2.5	1.5	1.0	1.0	1.0	
CL00-15834	1.9	2.5	1.3	1.3	1.0	2.0	
E02067	1.7	2.0	1.5	1.0	1.0	2.0	
E02103	1.4	2.0	1.0	1.0	1.0	1.0	
E02136	1.8	2.3	1.5	1.0	1.0	2.0	
E02159	2.1	2.5	2.3	1.5	1.5	2.0	
HF02-0593	2.2	2.8	1.8	1.5	1.3	3.0	
HF02-0811	1.9	2.5	1.8	1.3	1.0	1.5	
ORC 0306	1.4	1.8	1.0	1.0	1.0	1.0	
SD00-314	1.8	2.5	1.8	1.0	1.0	1.5	
SD00-377	1.4	2.0	1.0	1.0	1.0	1.0	
SD00-632	1.7	2.3	1.5	1.0	1.0	1.5	
SD00-732	1.5	2.0	1.5	1.0	1.0	1.5	
SD00-746	1.6	2.3	1.0	1.0	1.0	1.0	
SD00-1065	1.5	2.0	1.3	1.0	1.0	1.0	
SD00-1574	1.7	2.5	1.3	1.0	1.0	1.0	
SD00-1587	1.7	2.5	1.5	1.0	1.0	2.0	
SD00-2344	2.1	2.5	1.5	1.0	1.5	3.0	
SD00-2439	1.6	2.0	1.5	1.0	1.0	1.0	
U01-290680	1.9	2.8	1.5	1.0	1.0	1.5	
U01-290681	1.9	3.0	1.5	1.0	1.0	2.0	
U01-291039	1.7	2.3	1.5	1.0	1.3	1.5	
U01-390157	2.0	2.8	1.8	1.0	1.0	3.0	
U01-390159	1.8	2.5	1.3	1.0	1.3	2.0	
U01-390194	1.8	2.5	1.5	1.0	1.0	1.0	
U01-390489	1.6	2.0	1.5	1.0	1.0	1.0	
U01-390496	1.8	2.0	1.0	1.0	1.3	2.0	
U01-390504	1.8	2.3	1.5	1.0	1.0	1.0	
U01-390511	1.8	2.0	1.8	1.0	1.0	2.0	
U01-390517	1.7	2.3	1.3	1.0	1.0	1.5	
U01-390553	1.8	2.5	1.3	1.0	1.0	2.0	
U01-390637	1.6	2.5	1.5	1.0	1.0	1.0	
U01-390794	2.0	3.0	1.5	1.0	1.8	1.0	

PRELIMINARY TEST II, 2004

LODGING (score)

Strain	Cotesfield NE	Goehner NE	Hoytville OH	Harrow Ont.	Brookings SD
IA2068 (II)	3.0	2.0	1.3	2.0	1.0
IA1008 (SCN)	3.0	2.0	1.3	1.0	1.0
IA2065	3.0	2.0	1.2	2.0	1.0
IA2064	3.0	2.0	1.3	2.0	1.0
A03-741005	3.0	2.0	1.3	2.0	1.0
A03-741021	3.0	2.0	1.3	2.5	1.0
A03-743050	2.5	2.0	1.4	2.5	1.0
A03-841022	3.0	2.0	1.3	2.5	1.0
A03-841043	3.0	2.0	1.3	2.0	1.0
A03-842004	3.0	1.5	1.3	2.0	1.0
A03-842007	3.0	2.0	1.3	1.0	1.0
A03-842011	3.0	2.0	1.3	2.5	1.0
A03-842023	2.5	1.5	1.3	1.0	1.0
A03-843013	3.0	2.0	1.3	2.0	1.0
A03-843044	3.0	2.0	1.4	2.0	1.0
A03-843054	3.0	2.0	1.4	2.0	1.0
A03-946036	3.0	2.0	1.3	2.0	1.0
A03-946045	3.0	2.0	1.3	2.0	1.0
CL00-15834	4.0	2.0	1.3	3.0	1.0
E02067	3.0	2.0	1.3	2.0	1.0
E02103	3.0	2.0	1.3	1.0	1.0
E02136	3.5	2.0	1.3	2.5	1.0
E02159	3.5	2.0	1.5	3.0	1.0
HF02-0593	4.0	2.0	1.3	3.0	1.0
HF02-0811	3.5	2.0	1.3	3.0	1.0
ORC 0306	3.0	2.0	1.3	1.0	1.0
SD00-314	3.0	2.0	1.3	3.0	1.0
SD00-377	2.5	2.0	1.3	1.0	1.0
SD00-632	3.0	2.0	1.3	2.0	1.0
SD00-732	3.0	2.0	1.3	1.0	1.0
SD00-746	3.5	2.0	1.3	1.5	1.0
SD00-1065	3.0	1.5	1.3	2.0	1.0
SD00-1574	3.0	2.0	1.3	3.0	1.0
SD00-1587	3.0	2.0	1.3	2.0	1.0
SD00-2344	4.5	2.0	1.3	3.0	1.0
SD00-2439	2.5	2.0	1.3	3.0	1.0
U01-290680	3.5	2.0	1.3	3.0	1.0
U01-290681	3.0	2.0	1.3	3.0	1.0
U01-291039	3.0	2.0	1.3	2.0	1.0
U01-390157	3.5	2.0	1.2	3.0	1.0
U01-390159	3.5	2.0	1.3	2.5	1.0
U01-390194	3.5	2.0	1.4	3.0	1.0
U01-390489	3.0	2.0	1.3	2.0	1.0
U01-390496	3.5	2.0	1.3	3.0	1.0
U01-390504	4.0	2.0	1.3	2.5	1.0
U01-390511	3.5	2.0	1.3	2.0	1.0
U01-390517	4.0	2.0	1.3	2.0	1.0
U01-390553	3.0	2.0	1.2	3.0	1.0
U01-390637	3.0	2.0	1.3	2.0	1.0
U01-390794	3.5	2.0	1.3	3.5	1.0

PRELIMINARY TEST II, 2004

PLANT HEIGHT (inches)

Strain	Mean 9 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2068 (II)	28	35	31	29	28	22	
IA1008 (SCN)	31	38	34	30	30	28	
IA2065	28	31	28	29	26	25	
IA2064	31	39	32	34	29	29	
A03-741005	29	37	28	28	27	27	
A03-741021	32	39	36	33	32	28	
A03-743050	34	44	33	33	32	30	
A03-841022	31	39	31	31	30	30	
A03-841043	27	31	30	29	25	24	
A03-842004	31	38	34	31	28	25	
A03-842007	27	33	26	28	26	24	
A03-842011	31	38	31	29	29	29	
A03-842023	25	32	24	26	23	23	
A03-843013	28	34	30	29	28	28	
A03-843044	33	39	32	32	31	26	
A03-843054	32	38	34	34	32	26	
A03-946036	28	32	26	28	27	28	
A03-946045	31	37	31	31	29	29	
CL00-15834	33	40	32	35	31	30	
E02067	29	31	33	27	28	32	
E02103	28	33	29	29	28	26	
E02136	36	43	38	34	36	32	
E02159	37	43	39	35	40	32	
HF02-0593	34	42	34	35	35	35	
HF02-0811	36	41	40	35	36	33	
ORC 0306	28	29	31	27	27	28	
SD00-314	30	37	32	27	29	25	
SD00-377	28	30	30	25	28	30	
SD00-632	29	36	30	25	26	29	
SD00-732	27	32	30	26	27	26	
SD00-746	28	36	28	28	27	25	
SD00-1065	30	37	32	32	29	27	
SD00-1574	31	37	30	31	31	27	
SD00-1587	33	38	38	29	30	33	
SD00-2344	32	37	32	30	31	35	
SD00-2439	27	30	26	26	24	27	
U01-290680	31	33	32	27	27	29	
U01-290681	28	31	30	27	25	27	
U01-291039	33	43	36	32	32	30	
U01-390157	30	37	29	29	28	32	
U01-390159	31	38	34	29	30	31	
U01-390194	29	32	34	26	28	24	
U01-390489	32	34	35	29	30	35	
U01-390496	30	30	28	27	30	26	
U01-390504	34	40	35	35	32	23	
U01-390511	34	39	30	37	32	33	
U01-390517	29	33	32	30	27	30	
U01-390553	28	34	27	26	26	29	
U01-390637	33	40	31	32	31	29	
U01-390794	30	37	30	30	29	24	

PRELIMINARY TEST II, 2004

PLANT HEIGHT (inches)

Strain	Cotesfield NE	Goehner NE	Hoytville OH	Harrow Ont.	Brookings SD
IA2068 (II)		34	21	27	21
IA1008 (SCN)		36	29	30	26
IA2065		35	30	24	27
IA2064		35	30	27	27
A03-741005		31	29	30	23
A03-741021		38	26	28	25
A03-743050		35	34	33	32
A03-841022		37	25	30	27
A03-841043		33	25	27	23
A03-842004		38	28	31	25
A03-842007		33	26	26	25
A03-842011		35	32	31	25
A03-842023		30	23	23	24
A03-843013		33	25	27	22
A03-843044		38	31	33	31
A03-843054		40	27	31	30
A03-946036		32	24	28	25
A03-946045		36	30	31	27
CL00-15834		40	33	31	28
E02067		36	27	28	24
E02103		34	23	24	25
E02136		40	32	35	30
E02159		44	40	34	29
HF02-0593		36	32	34	27
HF02-0811		41	37	35	23
ORC 0306		33	23	30	24
SD00-314		34	27	28	27
SD00-377		34	23	29	22
SD00-632		35	27	25	25
SD00-732		32	23	25	26
SD00-746		33	28	26	24
SD00-1065		36	27	32	22
SD00-1574		40	27	30	26
SD00-1587		38	29	32	28
SD00-2344		37	25	36	30
SD00-2439		28	27	28	24
U01-290680		40	30	30	27
U01-290681		39	24	29	23
U01-291039		39	31	33	25
U01-390157		35	27	29	25
U01-390159		37	26	28	26
U01-390194		41	28	29	22
U01-390489		35	31	33	28
U01-390496		40	26	30	30
U01-390504		45	34	35	28
U01-390511		41	34	31	26
U01-390517		30	24	31	25
U01-390553		34	25	29	22
U01-390637		40	32	30	28
U01-390794		35	27	28	27

PRELIMINARY TEST II, 2004

SEED SIZE (g/100)

Strain	Mean 11 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2068 (II)	14.0	15.0	15.3	13.0	14.1	13.6	13.2
IA1008 (SCN)	18.0	19.4	18.7	19.6	17.9	17.9	17.2
IA2065	15.8	17.2	17.2	13.1	16.0	16.1	16.2
IA2064	14.3	15.6	16.1	13.3	15.4	14.1	12.8
A03-741005	19.3	20.6	20.6	18.4	19.0	19.8	16.9
A03-741021	18.0	20.2	20.1	15.6	17.2	17.7	15.4
A03-743050	16.8	18.3	18.3	15.5	16.2	16.2	15.9
A03-841022	18.6	19.7	19.6	18.0	18.6	19.2	15.6
A03-841043	18.2	18.6	19.4	17.4	18.4	19.1	16.2
A03-842004	19.7	20.8	21.0	16.8	19.8	20.8	15.6
A03-842007	19.1	20.4	21.6	17.2	19.1	18.3	17.1
A03-842011	19.9	20.5	21.2	18.5	18.9	20.2	17.7
A03-842023	17.5	18.9	19.8	16.8	15.9	17.4	15.3
A03-843013	16.6	18.1	18.2	14.7	17.2	14.9	14.7
A03-843044	19.9	21.3	21.6	19.2	19.3	19.1	16.8
A03-843054	16.2	17.1	18.0	15.7	16.1	15.4	14.0
A03-946036	15.0	15.3	15.4	13.5	15.1	15.5	13.5
A03-946045	13.9	15.2	15.1	12.8	13.4	13.8	12.6
CL00-15834	16.0	17.1	18.5	14.7	15.8	15.6	14.1
E02067	17.9	18.4	19.6	16.4	17.9	19.1	16.4
E02103	14.8	16.4	16.5	14.0	15.0	15.3	14.1
E02136	20.8	21.4	21.9	20.1	22.3	21.8	17.7
E02159	16.7	17.4	18.2	15.7	17.0	16.3	15.4
HF02-0593	17.0	18.3	18.4	16.2	18.3	18.1	14.1
HF02-0811	17.6	19.1	19.6	16.4	18.0	17.0	16.2
ORC 0306	18.1	18.8	20.0	18.6	17.4	18.2	16.3
SD00-314	14.4	15.3	15.6	12.8	13.7	14.4	13.0
SD00-377	18.8	20.0	19.3	18.3	17.8	19.7	17.5
SD00-632	16.7	19.0	18.3	16.0	16.3	15.7	15.4
SD00-732	16.6	18.4	19.0	15.8	16.4	15.8	14.0
SD00-746	17.1	18.7	18.8	15.7	17.1	17.3	15.1
SD00-1065	17.1	17.9	17.5	14.8	16.2	19.3	15.3
SD00-1574	18.8	19.3	20.3	18.0	19.4	17.5	16.6
SD00-1587	17.3	17.3	18.8	15.4	17.1	17.7	15.5
SD00-2344	16.7	18.6	18.1	16.0	15.7	15.9	16.0
SD00-2439	16.1	17.1	17.4	16.0	15.4	15.2	15.2
U01-290680	15.2	17.6	17.3	13.7	15.3	13.6	13.6
U01-290681	17.2	18.8	19.3	16.8	16.7	16.8	14.0
U01-291039	17.1	18.1	18.1	16.6	15.5	17.4	15.8
U01-390157	16.9	18.8	18.1	15.2	17.3	16.3	14.6
U01-390159	16.8	18.0	17.8	15.8	17.2	14.9	15.0
U01-390194	16.9	18.7	19.5	15.3	17.4	16.2	14.0
U01-390489	18.3	19.4	20.2	17.1	18.5	18.6	15.0
U01-390496	18.1	20.1	20.2	17.7	19.4	16.7	15.7
U01-390504	16.0	17.6	17.8	16.3	16.6	14.3	14.3
U01-390511	16.7	18.7	17.5	17.9	16.7	17.1	14.4
U01-390517	19.9	20.8	21.4	19.6	19.0	19.0	18.0
U01-390553	16.4	17.6	18.1	14.7	15.9	16.5	14.3
U01-390637	15.1	15.7	17.4	13.6	14.9	14.4	16.2
U01-390794	16.5	17.9	18.7	15.8	16.6	15.3	14.7

PRELIMINARY TEST II, 2004

SEED SIZE (g/100)

Strain	Cotesfield NE	Goehner NE	Hoytville OH	Harrow Ont.	Brookings SD
IA2068 (II)	14.6	13.7	14.8	14.8	11.9
IA1008 (SCN)	18.8	18.6	18.5	16.8	14.8
IA2065	17.5	16.1	16.4	14.7	13.2
IA2064	16.1	14.3	14.0	14.5	10.8
A03-741005	20.4	20.4	19.6	20.2	16.2
A03-741021	18.9	19.2	18.7	19.9	15.1
A03-743050	17.5	18.1	17.9	17.8	13.0
A03-841022	19.0	19.5	19.4	20.1	15.5
A03-841043	19.0	18.2	18.9	19.7	15.1
A03-842004	22.5	20.1	19.2	22.8	17.7
A03-842007	19.9	20.5	20.2	19.8	16.3
A03-842011	23.5	22.8	20.3	21.3	14.4
A03-842023	19.8	18.0	17.5	18.2	14.8
A03-843013	18.3	18.1	16.9	17.9	13.1
A03-843044	22.8	20.8	20.3	21.1	16.5
A03-843054	17.2	17.6	17.2	17.0	13.5
A03-946036	17.3	15.8	14.9	15.9	12.5
A03-946045	15.5	14.0	13.8	14.5	11.9
CL00-15834	16.9	16.4	15.5	16.5	15.5
E02067	21.1	18.6	17.8	17.9	13.6
E02103	15.8	15.0	13.7	14.5	12.5
E02136	21.3	21.2	21.7	22.6	16.7
E02159	17.5	16.9	16.6	18.6	14.7
HF02-0593	17.2	16.7	17.5	19.3	13.4
HF02-0811	18.8	17.1	16.8	19.2	15.6
ORC 0306	19.8	18.1	17.2	19.4	14.8
SD00-314	15.8	15.7	15.1	14.6	12.3
SD00-377	20.4	20.2	20.4	19.0	14.1
SD00-632	18.4	17.5	17.5	14.5	14.8
SD00-732	18.5	16.9	17.3	16.9	13.7
SD00-746	18.6	17.3	17.2	17.9	14.9
SD00-1065	19.8	17.3	17.8	18.4	14.2
SD00-1574	20.6	19.4	21.2	18.7	16.0
SD00-1587	19.5	18.0	19.4	18.6	13.2
SD00-2344	18.1	17.6	18.2	16.9	12.8
SD00-2439	17.6	16.7	16.4	16.7	13.8
U01-290680	16.4	15.3	15.5	16.8	12.6
U01-290681	19.2	15.3	17.2	19.8	15.3
U01-291039	19.1	17.5	18.7	18.4	12.9
U01-390157	18.0	18.1	17.7	18.0	14.1
U01-390159	18.5	17.6	17.4	18.2	14.6
U01-390194	19.1	15.5	17.5	18.1	14.4
U01-390489	19.6	18.0	18.6	19.6	16.7
U01-390496	19.5	15.9	17.9	19.3	16.6
U01-390504	16.0	15.9	17.1	16.7	13.7
U01-390511	17.1	16.4	18.2	16.2	13.2
U01-390517	22.0	20.6	20.2	21.0	17.2
U01-390553	17.8	15.5	18.0	18.0	14.3
U01-390637	15.8	16.1	15.2	15.3	12.2
U01-390794	17.3	17.5	16.9	16.6	14.3

PRELIMINARY TEST II, 2004

SEED QUALITY (score)

Strain	Mean 5 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2068 (II)	1.6			2.0	1.0		
IA1008 (SCN)	1.5			2.0	1.0		
IA2065	1.3			1.0	1.0		
IA2064	1.3			1.0	1.0		
A03-741005	1.6			1.0	1.5		
A03-741021	1.4			1.0	1.0		
A03-743050	1.3			1.0	1.0		
A03-841022	1.3			1.0	1.0		
A03-841043	1.3			1.0	1.0		
A03-842004	1.3			1.0	1.0		
A03-842007	1.4			1.0	1.5		
A03-842011	1.4			1.0	1.5		
A03-842023	1.3			1.0	1.0		
A03-843013	1.4			1.0	1.0		
A03-843044	1.3			1.0	1.0		
A03-843054	1.3			1.0	1.0		
A03-946036	1.3			1.0	1.0		
A03-946045	1.5			1.0	1.0		
CL00-15834	1.3			1.0	1.0		
E02067	1.3			1.0	1.0		
E02103	1.3			1.0	1.0		
E02136	1.4			1.0	1.0		
E02159	1.5			2.0	1.0		
HF02-0593	1.5			1.0	1.0		
HF02-0811	1.3			1.0	1.0		
ORC 0306	1.3			1.0	1.0		
SD00-314	1.5			1.0	1.0		
SD00-377	1.5			2.0	1.0		
SD00-632	1.8			3.0	1.5		
SD00-732	1.5			2.0	1.0		
SD00-746	1.4			1.0	1.5		
SD00-1065	1.3			1.0	1.0		
SD00-1574	1.7			2.0	2.0		
SD00-1587	1.3			1.0	1.0		
SD00-2344	1.5			2.0	1.0		
SD00-2439	1.3			1.0	1.0		
U01-290680	1.3			1.0	1.0		
U01-290681	1.3			1.0	1.0		
U01-291039	1.3			1.0	1.0		
U01-390157	1.3			1.0	1.0		
U01-390159	1.4			1.0	1.5		
U01-390194	1.3			1.0	1.0		
U01-390489	1.4			1.0	1.5		
U01-390496	1.6			2.0	1.5		
U01-390504	1.3			1.0	1.0		
U01-390511	1.3			1.0	1.0		
U01-390517	1.5			2.0	1.0		
U01-390553	1.3			1.0	1.0		
U01-390637	1.3			1.0	1.0		
U01-390794	1.3			1.0	1.0		

PRELIMINARY TEST II, 2004

SEED QUALITY (score)

Strain	Cotesfield NE	Goehner NE	Hoytville OH	Harrow Ont.	Brookings SD
IA2068 (II)			1.8	1.0	2.0
IA1008 (SCN)			1.3	1.0	2.0
IA2065			1.3	1.0	2.0
IA2064			1.3	1.0	2.0
A03-741005			1.4	1.0	3.0
A03-741021			1.9	1.0	2.0
A03-743050			1.4	1.0	2.0
A03-841022			1.3	1.0	2.0
A03-841043			1.3	1.0	2.0
A03-842004			1.4	1.0	2.0
A03-842007			1.4	1.0	2.0
A03-842011			1.4	1.0	2.0
A03-842023			1.4	1.0	2.0
A03-843013			1.8	1.0	2.0
A03-843044			1.4	1.0	2.0
A03-843054			1.5	1.0	2.0
A03-946036			1.3	1.0	2.0
A03-946045			1.3	1.0	3.0
CL00-15834			1.4	1.0	2.0
E02067			1.3	1.0	2.0
E02103			1.3	1.0	2.0
E02136			1.8	1.0	2.0
E02159			1.3	1.0	2.0
HF02-0593			1.3	1.0	3.0
HF02-0811			1.3	1.0	2.0
ORC 0306			1.3	1.0	2.0
SD00-314			1.3	1.0	3.0
SD00-377			1.3	1.0	2.0
SD00-632			1.7	1.0	2.0
SD00-732			1.3	1.0	2.0
SD00-746			1.3	1.0	2.0
SD00-1065			1.3	1.0	2.0
SD00-1574			1.4	1.0	2.0
SD00-1587			1.3	1.0	2.0
SD00-2344			1.3	1.0	2.0
SD00-2439			1.3	1.0	2.0
U01-290680			1.3	1.0	2.0
U01-290681			1.4	1.0	2.0
U01-291039			1.4	1.0	2.0
U01-390157			1.4	1.0	2.0
U01-390159			1.4	1.0	2.0
U01-390194			1.3	1.0	2.0
U01-390489			1.4	1.0	2.0
U01-390496			1.7	1.0	2.0
U01-390504			1.3	1.0	2.0
U01-390511			1.3	1.0	2.0
U01-390517			1.3	1.0	2.0
U01-390553			1.3	1.0	2.0
U01-390637			1.3	1.0	2.0
U01-390794			1.3	1.0	2.0

PRELIMINARY TEST II, 2004

PROTEIN (%)

Strain	Mean 5 Tests	Ames IA	Urbana IL	Lafayette IN	Hoytville OH	Harrow ONT
IA2068 (II)	40.2	40.3	39.2	38.7	40.5	42.3
IA1008 (SCN)	41.1	39.4	41.6	40.6	41.4	42.4
IA2065	40.1	39.7	40.2	38.7	40.1	41.6
IA2064	41.8	40.1	41.5	41.9	41.6	43.9
A03-741005	41.5	40.9	41.3	40.4	41.4	43.5
A03-741021	41.0	38.7	41.1	39.8	41.1	44.5
A03-743050	43.2	42.2	44.1	41.4	43.4	44.7
A03-841022	41.4	40.1	41.4	40.2	41.2	44.2
A03-841043	44.5	42.8	44.7	43.3	45.3	46.5
A03-842004	42.0	40.9	41.7	42.0	41.5	43.9
A03-842007	41.5	39.8	42.8	40.0	42.0	42.8
A03-842011	41.0	39.3	42.1	41.0	40.8	42.0
A03-842023	42.0	40.6	43.0	40.5	41.9	44.1
A03-843013	41.3	39.7	41.4	40.3	41.3	43.7
A03-843044	44.2	43.6	44.9	42.0	43.4	47.1
A03-843054	42.2	40.7	42.1	41.0	41.3	45.7
A03-946036	40.5	39.0	41.4	39.4	41.0	41.9
A03-946045	40.2	38.7	40.3	39.8	39.9	42.1
CL00-15834	39.6	39.3	39.5	38.4	39.0	41.9
E02067	40.2	38.6	41.2	39.7	39.8	41.7
E02103	40.6	39.6	41.3	39.9	40.5	41.5
E02136	43.2	41.8	43.6	42.3	41.9	46.6
E02159	40.5	39.2	41.4	39.2	40.1	42.4
HF02-0593	39.0	39.6	29.4	41.4	40.8	43.6
HF02-0811	41.8	41.1	41.3	40.9	41.5	44.3
ORC 0306	42.7	41.2	44.2	42.2	41.4	44.6
SD00-314	40.1	37.1	41.1	39.5	40.9	42.0
SD00-377	43.4	41.8	44.4	42.5	43.4	44.7
SD00-632	41.7	39.3	44.2	40.7	41.9	42.3
SD00-732	42.1	40.6	42.9	42.2	40.9	44.0
SD00-746	42.3	41.1	42.6	41.7	42.1	43.8
SD00-1065	41.2	39.7	41.5	39.7	40.7	44.4
SD00-1574	41.8	40.1	43.0	41.2	42.2	42.5
SD00-1587	41.0	39.1	41.0	40.6	41.4	42.6
SD00-2344	40.8	38.8	43.5	38.3	40.6	42.7
SD00-2439	40.0	37.4	41.6	39.5	40.2	41.2
U01-290680	39.7	38.4	40.3	39.3	37.9	42.4
U01-290681	39.8	38.4	40.2	39.1	40.2	41.4
U01-291039	40.3	38.8	42.1	38.2	41.1	41.4
U01-390157	40.7	39.5	40.7	39.6	40.3	43.5
U01-390159	40.7	39.5	40.6	39.4	40.7	43.1
U01-390194	39.2	37.6	39.5	38.1	39.2	41.8
U01-390489	39.8	38.2	41.0	39.5	39.2	41.0
U01-390496	39.6	39.1	39.2	39.4	37.9	42.7
U01-390504	42.6	41.8	42.5	41.4	41.5	45.7
U01-390511	40.9	39.1	41.3	40.8	40.2	43.2
U01-390517	39.8	38.5	42.1	38.4	38.5	41.6
U01-390553	40.3	39.5	40.7	39.3	40.6	41.6
U01-390637	40.0	40.3	39.9	36.7	39.9	42.8
U01-390794	40.6	39.3	40.8	40.0	40.6	42.2

PRELIMINARY TEST II, 2004

OIL (%)

Strain	Mean 5 Tests	Ames IA	Urbana IL	Lafayette IN	Hoytville OH	Harrow ONT
IA2068 (II)	19.1	17.7	20.3	19.2	18.2	19.9
IA1008 (SCN)	19.3	19.4	19.2	19.6	18.4	19.8
IA2065	20.2	18.7	21.2	19.5	19.9	21.9
IA2064	20.6	20.8	20.6	20.8	20.3	20.6
A03-741005	19.7	19.6	20.2	20.1	18.9	19.8
A03-741021	19.7	20.3	19.9	19.7	19.0	19.6
A03-743050	18.5	17.9	18.0	19.3	18.2	19.1
A03-841022	19.1	18.7	19.6	19.2	18.6	19.3
A03-841043	18.6	18.4	18.9	18.0	18.0	19.7
A03-842004	19.5	18.6	19.4	18.8	19.7	20.8
A03-842007	19.7	19.4	19.8	20.3	18.7	20.1
A03-842011	19.8	20.1	19.8	18.6	19.4	21.2
A03-842023	19.2	19.1	19.3	19.7	17.8	20.0
A03-843013	18.6	18.4	18.5	18.7	18.5	19.1
A03-843044	18.8	18.3	18.1	19.6	18.5	19.2
A03-843054	19.1	19.0	19.3	19.5	18.6	19.3
A03-946036	19.4	18.9	19.4	19.7	18.7	20.1
A03-946045	19.8	19.7	20.3	19.4	19.3	20.3
CL00-15834	19.8	19.2	20.3	20.4	18.3	20.6
E02067	19.7	19.0	19.7	19.6	19.4	20.8
E02103	19.4	19.0	18.5	20.2	18.3	21.1
E02136	18.4	18.3	18.0	18.2	18.0	19.2
E02159	19.2	18.8	19.3	19.7	18.6	19.8
HF02-0593	19.3	19.7	17.4	19.6	19.4	20.2
HF02-0811	19.8	19.2	20.3	20.4	18.9	20.4
ORC 0306	18.6	18.5	18.9	18.3	17.5	19.6
SD00-314	19.7	19.9	20.1	19.5	18.4	20.6
SD00-377	19.4	19.3	19.3	19.1	19.1	20.3
SD00-632	19.3	19.5	19.2	19.0	18.8	20.1
SD00-732	19.3	19.3	19.4	18.9	18.6	20.2
SD00-746	18.8	18.3	18.6	18.9	18.3	19.7
SD00-1065	19.2	19.4	18.7	19.8	19.2	19.2
SD00-1574	19.6	19.3	19.6	20.0	18.3	20.9
SD00-1587	19.2	19.1	18.7	19.5	18.1	20.8
SD00-2344	19.6	19.6	19.5	19.0	19.4	20.6
SD00-2439	19.6	19.8	19.6	18.6	19.1	20.9
U01-290680	20.9	19.5	21.2	21.3	21.3	21.4
U01-290681	20.6	20.8	20.9	20.8	19.3	21.5
U01-291039	20.1	19.8	19.9	20.7	19.2	21.0
U01-390157	18.8	18.7	18.1	19.6	18.5	19.0
U01-390159	18.8	18.1	19.5	19.3	17.8	19.4
U01-390194	19.5	19.4	19.1	20.0	18.5	20.6
U01-390489	20.1	20.0	20.2	19.5	19.6	21.4
U01-390496	19.9	19.4	20.3	20.6	19.5	19.8
U01-390504	19.0	18.7	19.1	20.0	18.7	18.6
U01-390511	19.8	19.4	20.2	19.9	19.4	20.3
U01-390517	20.5	20.1	20.0	20.5	20.4	21.4
U01-390553	19.3	18.6	20.0	18.8	18.8	20.3
U01-390637	18.6	17.8	19.4	18.5	17.9	19.6
U01-390794	20.1	20.0	20.4	19.9	19.5	21.0

Uniform Test III, 2004

Ent.	Strain	Parentage	Previous Testing	Generation Compositied	Unique Traits
1.	IA3023	Dairyland DSR-365 x Pioneer P9381	3	F5	
2.	IA2065		UTII		2% linolenic
3.	Pana (SCN)	Jack x Asgrow A3205	SCNIII	F5	SCN
4.	Macon (L)	Sherman x Resnik	10	F5	
5.	Apex	HC85-607 x HC78-676 BC	5	F5	dt1
6.	A02-336040	NE1900 x Dairyland 94197	PTIIIA	F5	
7.	A02-338013	Dairyland 88504-11 x IA2053	PTIIIA	F5	
8.	CLOJ173-6	Kottman x Dwight	PTIIIA	F3:5	Rps1k + 3a, MR to SCN R 3
9.	HC99-2846	DPL 3478 x Stressland	2	F5	SCN
10.	HC00-2766	Manokim x HC94-69PR	PTIIIB	F5	dt1, SCN
11.	LG00-3372	PI 561.319A X PI 574.477	PTIIIB	F6	
12.	LG00-6304	PI 574.480 X PI 574.477	PTIV	F6	
13.	LS00-2137	LS92-3660 x Asgrow 4138	PTIIIA	F6	SCN
14.	U99-035014	MSBP6S4	2	S5	
15.	U01-390783	NE3001 x Pioneer 93B82	PTII	F5	Determinate
16.	U01-390787	NE3001 x Pioneer 93B82	PTIIIB	F5	Determinate

UNIFORM TEST III, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score		Green Stem Score		Shattering Score
		Humboldt IA	Wilkin Co. MN	Pine Tree AR	Lafayette IN	Manhattan KS
IA3023 (III)	WLtTDYBII	3.5	4.4	1.7	2.0	1.0
IA2065	PTBIYBII	3.5	4.5	2.0	1.0	1.0
Pana (SCN)	PGBIYBfi	3.6	4.7	2.5	3.0	1.0
Macon (L)	WTBIYBII	3.1	4.8	1.3	2.0	1.0
Apex	PTBSYBID	3.0	4.5	1.3	2.0	1.0
A02-336040	WGBDYI	3.1	4.5	1.0	1.0	1.0
A02-338013	PGBDYI	3.0	4.3	2.0	1.0	1.0
CL0J173-6	WLtTDYBII	3.1	4.6	2.0	1.0	2.0
HC99-2846	PTTDYBII	3.3	4.5	2.3	2.0	1.0
HC00-2766	WTTDYBID	3.1	4.7	1.5	1.0	1.0
LG00-3372	PGBDYBII	3.3	4.5	1.5	1.0	1.0
LG00-6304	PTBDYBII	2.9	4.3	2.0	1.0	1.0
LS00-2137	WTBDYBII	3.5	4.5	2.3	1.0	1.0
U99-035014	PGBDYLGri	2.6	3.8	1.3	3.0	1.0
U01-390783	P+WTBDYBII	3.0	3.8	2.0	1.0	1.0
U01-390787	P+WTBDYHI	3.5	4.6	2.0	1.0	1.0

UNIFORM TEST III, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	<u>PR</u>		<u>SDS</u>		<u>PS</u>	<u>FE</u>
	Lafayette		Valmeyer	Carmi	Lafayette	
	Race 4	Race 7	IL DX	IL DX	a %	n
IA3023 (III)	S	S	30	6	3	S
IA2065	R	R	9	0	0	S
Pana (SCN)	S	R	1	4	6	S
Macon (L)	S	S	22	1	4	S
Apex	R	R	23	1	1	S
A02-336040	S	S	56	6	6	S
A02-338013	R	R	37	1	3	S
CL0J173-6	R	S*	1	2	1	S
HC99-2846	S	S	18	1	1	
HC00-2766	R	R	8	0	2	S
LG00-3372	S	S	28	2	0	S
LG00-6304	S	S	16	3	2	S
LS00-2137	H	R	10	0	1	S
U99-035014	S	S	35	20	5	S
U01-390783	S	R	17	0	5	S
U01-390787	S	S	37	9	3	S

* = entry/*Phytophthora sojae* race reaction questionable.
 Frogeye Leaf Spot S = susceptible, blank = lesions not detected

UNIFORM TEST III, 2004

REGIONAL SUMMARY

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	Composition	
	18 bu/a	18 No.	17 Date	17 Score	16 In.	12 g/100	12 Score	Protein 5 %	Oil 5 %
IA3023 (III)	62.0	2	9/19	1.7	31	16.2	1.4	39.0	19.1
IA2065	55.4	13	-5.6	1.6	26	16.3	1.5	39.6	20.8
Pana (SCN)	58.0	10	4.8	2.6	41	14.8	2.0	40.0	19.6
Macon (L)	58.7	8	1.9	1.8	33	17.7	1.5	40.6	19.2
Apex	53.1	15	1.8	1.3	21	15.6	1.9	39.6	19.3
A02-336040	58.8	6	-3.2	2.4	31	15.9	1.7	38.2	19.6
A02-338013	58.4	9	-2.9	2.0	34	18.7	2.0	41.6	18.2
CL0J173-6	59.7	4	0.6	1.5	30	17.2	1.4	40.8	18.8
HC99-2846	62.2	1	4.4	1.8	34	15.2	1.4	41.2	19.5
HC00-2766	51.9	16	3.0	1.4	22	15.3	1.5	40.6	19.5
LG00-3372	59.9	3	2.5	2.1	37	15.5	1.5	40.6	17.8
LG00-6304	57.8	11	2.0	1.8	31	17.4	1.5	40.4	18.3
LS00-2137	57.1	12	4.0	2.1	34	16.7	1.8	43.1	17.8
U99-035014	59.7	4	-2.5	2.1	34	17.4	1.6	40.1	19.2
U01-390783	55.3	14	-5.2	1.6	24	16.9	1.7	40.4	19.5
U01-390787	58.8	6	-0.6	2.3	34	16.7	1.6	40.3	19.4

125.6 Days After Planting

UNIFORM TEST III, 2004

2003-2004 2-YEAR MEAN

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	<u>Composition</u>	
	18 bu/a	18 No.	17 Date	17 Score	16 In.	12 g/100	12 Score	Protein 5 %	Oil 5 %
IA3023	56.1	2	9/21	1.6	30	15.1	1.5	38.5	19.6
Pana (SCN)	52.3	5	4.3	2.4	41	13.8	2.1	38.5	20.2
Macon (L)	54.2	3	2.0	1.7	32	16.6	1.5	38.8	19.9
Apex	49.4	6	2.6	1.3	21	14.6	1.9	39.4	19.5
HC99-2846	56.2	1	4.5	1.7	33	14.1	1.5	41.1	20.0
U99-035014	54.1	4	-3.2	2.0	34	16.3	1.7	41.0	19.8

124.6 Days After Planting

2002-2004 3-YEAR MEAN

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	<u>Composition</u>	
	55 bu/a	55 No.	51 Date	55 Score	52 In.	49 g/100	37 Score	Protein 15 %	Oil 15 %
IA3023 (III)	55.1	1	9/21	1.5	29	15.2	1.7	38.9	19.6
Macon (L)	52.7	3	2.7	1.6	32	16.6	1.7	40.5	19.6
Apex	50.0	4	2.2	1.2	21	14.8	2.1	38.6	20.2
U99-035014	53.2	2	-3.5	1.8	33	16.4	1.9	40.5	19.7

125.1 Days After Planting

UNIFORM TEST III, 2004

YIELD (bu/a)

Strain	Mean 18 Tests	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Carlisle IA	Newton IL	Urbana IL	Lafayette IN
IA3023 (III)	62.0	49.2	71.8	73.7	80.0	62.6	56.4	62.9
IA2065	55.4	64.8	62.4	66.7	62.3	56.3	48.9	52.1
Pana (SCN)	58.0	58.3	81.0	58.8	64.3	50.5	56.8	57.6
Macon (L)	58.7	68.2	79.3	72.2	58.4	49.5	52.8	52.4
Apex	53.1	46.4	73.4	47.7	65.6	48.6	42.4	53.3
A02-336040	58.8	55.3	74.1	63.4	58.2	54.5	52.0	55.6
A02-338013	58.4	59.3	72.9	63.8	68.6	53.3	52.3	52.0
CLOJ173-6	59.7	71.6	74.4	68.0	55.0	63.3	54.2	57.7
HC99-2846	62.2	83.5	84.6	65.3	60.7	60.3	58.4	53.7
HC00-2766	51.9	57.0	61.5	54.3	56.3	44.6	50.9	49.1
LG00-3372	59.9	59.1	83.2	67.8	65.0	45.9	59.0	56.9
LG00-6304	57.8	74.1	73.6	62.7	50.3	50.0	53.4	56.5
LS00-2137	57.1	73.1	70.4	55.6	55.0	45.8	59.7	53.5
U99-035014	59.7	56.0	68.0	68.2	68.7	54.3	53.5	55.4
U01-390783	55.3	48.8	58.3	58.4	51.6	56.2	51.0	55.0
U01-390787	58.8	65.7	79.3	68.8	68.9	55.4	50.8	53.8
C.V. (%)		8.7	9.5	7.2	3.2	7.4	4.7	5.1
L.S.D. (5%)		10.0	14.4	9.7	4.2	6.6	4.1	4.7
Row Sp. (in.)		6.5	6.5	27	27	30	30	24
Rows/Plot		9	9	4	4	4	4	4
Reps		3	3	2	2	3	3	3

*Data not included in mean.

UNIFORM TEST III, 2004

YIELD (bu/a)

Strain	Butlerville	Wanatah	Ashland	Manhattan	Queenstown	Columbia	Portageville
	IN	IN	KS	KS	MD	MO	(Clay) MO
IA3023 (III)	36.0	82.4	74.8	59.0	69.2		28.9
IA2065	38.5	74.8	66.8	46.2	69.0		25.6
Pana (SCN)	45.9	74.8	61.1	47.7	64.0		40.2
Macon (L)	38.6	75.0	63.7	55.5	66.0		49.6
Apex	35.3	72.7	69.7	51.5	59.4		27.0
A02-336040	45.5	71.7	69.3	52.7	62.4		40.7
A02-338013	44.0	77.0	72.8	51.3	62.4		37.6
CL0J173-6	45.0	77.7	59.1	54.3	69.7		36.8
HC99-2846	41.0	78.7	66.4	52.0	63.6		53.3
HC00-2766	27.4	68.2	64.2	51.1	54.7		26.0
LG00-3372	42.0	82.2	66.1	56.9	58.7		47.3
LG00-6304	42.0	72.6	63.6	53.6	64.1		43.6
LS00-2137	50.7	68.2	62.0	49.0	70.0		46.5
U99-035014	33.9	75.7	72.9	51.0	64.8		35.7
U01-390783	38.8	73.5	65.1	49.5	61.6		20.3
U01-390787	48.6	72.3	67.9	49.2	68.9		31.6
C.V. (%)	12.1	4.4	4.4	4.8	7.8		8.4
L.S.D. (5%)	8.2	5.5	4.9	4.2	8.3		4.3
Row Sp. (in.)	26	26	30	30	24	30	30
Rows/Plot	4	4	2	2	4	4	4
Reps	3	3	3	3	3	3	3

UNIFORM TEST III, 2004

YIELD (bu/a)

Strain	Portageville	Goehner	Plymouth	Tekamah	Hoytville	Wooster	So. Charleston.
	(Loam) MO	NE	NE	NE	OH	OH	OH
IA3023 (III)	61.0	69.4	50.4	45.8	84.2	62.0	57.1
IA2065	43.4	70.7	55.8	51.6	70.8	48.5	48.8
Pana (SCN)	57.4	58.7	53.6	43.0	84.0	64.0	61.9
Macon (L)	65.1	62.3	46.5	44.7	84.0	54.7	66.2
Apex	36.0	67.0	51.5	43.8	79.5	54.0	50.3
A02-336040	57.0	67.9	60.4	49.4	75.6	62.0	60.5
A02-338013	56.3	71.1	48.1	45.9	77.0	61.3	56.0
CL0J173-6	59.8	58.4	46.8	53.4	86.1	61.7	67.5
HC99-2846	69.1	66.0	61.3	49.0	84.8	69.1	66.3
HC00-2766	39.7	62.3	49.8	48.3	84.7	44.2	57.9
LG00-3372	66.9	57.8	55.4	46.8	83.4	57.4	62.6
LG00-6304	56.3	65.0	53.7	47.5	83.6	60.0	61.4
LS00-2137	55.2	68.6	46.5	41.9	75.1	60.0	64.9
U99-035014	56.4	69.0	59.2	48.7	81.3	66.7	59.7
U01-390783	42.4	75.1	52.3	55.1	72.4	55.7	61.6
U01-390787	59.4	67.5	52.6	50.6	78.5	52.0	60.9
C.V. (%)	6.9	5.2	10.4	8.1	4.7	9.2	8.2
L.S.D. (5%)	5.3	8.4	13.5	9.5	5.2	7.5	8.6
Row Sp. (in.)	30	30	30	30	7.5	7.5	15
Rows/Plot	4	4	4	4	8	8	6
Reps	3	2	2	2	3	3	3

UNIFORM TEST III, 2004

YIELD RANK

Strain	Yield Rank	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Carlisle IA	Newton IL	Urbana IL	Lafayette IN
IA3023 (III)	2	14	11	1	1	2	5	1
IA2065	13	7	14	7	8	4	15	14
Pana (SCN)	10	10	3	12	7	10	4	3
Macon (L)	8	5	4	2	10	12	9	13
Apex	15	16	9	16	5	13	16	12
A02-336040	6	13	7	10	11	7	11	6
A02-338013	9	8	10	9	4	9	10	15
CLOJ173-6	4	4	6	5	13	1	6	2
HC99-2846	1	1	1	8	9	3	3	10
HC00-2766	16	11	15	15	12	16	13	16
LG00-3372	3	9	2	6	6	14	2	4
LG00-6304	11	2	8	11	16	11	8	5
LS00-2137	12	3	12	14	13	15	1	11
U99-035014	4	12	13	4	3	8	7	7
U01-390783	14	15	16	13	15	5	12	8
U01-390787	6	6	4	3	2	6	14	9

*Data not included in mean.

UNIFORM TEST III, 2004

YIELD RANK

Strain	Butlerville IN	Wanatah IN	Ashland KS	Manhattan KS	Queenstown MD	Columbia MO	Portageville (Clay) MO
IA3023 (III)	13	1	1	1	3		12
IA2065	12	8	7	16	4		15
Pana (SCN)	3	8	15	15	9		7
Macon (L)	11	7	12	3	6		2
Apex	14	11	4	8	14		13
A02-336040	4	14	5	6	11		6
A02-338013	6	5	3	9	11		8
CL0J173-6	5	4	16	4	2		9
HC99-2846	9	3	8	7	10		1
HC00-2766	16	15	11	10	16		14
LG00-3372	7	2	9	2	15		3
LG00-6304	7	12	13	5	8		5
LS00-2137	1	15	14	14	1		4
U99-035014	15	6	2	11	7		10
U01-390783	10	10	10	12	13		16
U01-390787	2	13	6	13	5		11

UNIFORM TEST III, 2004

YIELD RANK

Strain	Portageville	Goehner	Plymouth	Tekamah	Hoytville	Wooster	So. Charleston.
	(Loam) MO	NE	NE	NE	OH	OH	OH
IA3023 (III)	4	4	11	12	4	4	13
IA2065	13	3	4	3	16	15	16
Pana (SCN)	7	14	7	15	5	3	6
Macon (L)	3	12	15	13	5	12	3
Apex	16	9	10	14	10	13	15
A02-336040	8	7	2	5	13	4	10
A02-338013	10	2	13	11	12	7	14
CL0J173-6	5	15	14	2	1	6	1
HC99-2846	1	10	1	6	2	1	2
HC00-2766	15	12	12	8	3	16	12
LG00-3372	2	16	5	10	8	10	5
LG00-6304	10	11	6	9	7	8	8
LS00-2137	12	6	15	16	14	8	4
U99-035014	9	5	3	7	9	2	11
U01-390783	14	1	9	1	15	11	7
U01-390787	6	8	8	4	11	14	9

UNIFORM TEST III, 2004

MATURITY (date)

Strain	Mean 17 Tests	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Carlisle IA	Newton IL	Urbana IL	Lafayette IN
IA3023 (III)	9/19	8/19	8/4	9/25	9/21	9/13	9/7	9/30
IA2065	-5.6	-4	0	-7	-9	-4	-3	-8
Pana (SCN)	4.8	5	4	2	4	4	6	3
Macon (L)	1.9	5	6	0	0	0	5	-1
Apex	1.8	-1	0	0	1	-1	6	0
A02-336040	-3.2	-2	2	-4	-9	-2	1	-7
A02-338013	-2.9	1	0	-2	-1	-3	0	-9
CLOJ173-6	0.6	1	5	1	1	2	4	-2
HC99-2846	4.4	3	4	2	6	7	7	2
HC00-2766	3.0	1	1	2	2	2	6	0
LG00-3372	2.5	3	4	-1	3	0	4	-4
LG00-6304	2.0	0	3	0	2	-1	3	0
LS00-2137	4.0	5	3	1	3	6	7	2
U99-035014	-2.5	-6	-1	-2	-2	-3	-1	-5
U01-390783	-5.2	-2	-2	-7	-8	-4	-2	-10
U01-390787	-0.6	0	1	-6	-3	1	4	-6
Date Planted	5/17	5/4	4/20	5/4	5/5	5/11	5/6	6/2
Days to Mature	126	107	106	144	139	125	124	120

*Data not included in mean.

UNIFORM TEST III, 2004

MATURITY (date)

Strain	Butlerville	Wanatah	Ashland	Manhattan	Queenstown	Columbia	Portageville
	IN	IN	KS	KS	MD	MO	(Clay) MO
IA3023 (III)	9/9	9/28	9/24	9/24	9/21	9/29	9/6
IA2065	-3	-12	-6	-5	-4	-1	-6
Pana (SCN)	5	7	2	2	4	1	4
Macon (L)	2	1	1	2	5	0	9
Apex	1	2	0	-0	0	-1	-1
A02-336040	-1	-9	-4	-1	0	-1	0
A02-338013	-1	-10	-4	-4	0	-1	-1
CL0J173-6	1	-1	-3	-1	0	0	0
HC99-2846	4	2	0	1	4	0	8
HC00-2766	2	5	2	2	2	-1	1
LG00-3372	-1	5	1	1	3	0	6
LG00-6304	3	3	-0	0	3	0	4
LS00-2137	3	4	2	0	5	0	8
U99-035014	-2	-4	-3	-4	-1	-1	-4
U01-390783	-5	-12	-5	-3	-4	-1	-4
U01-390787	3	0	-0	-2	2	0	2
Date Planted	5/12	5/21	5/26	5/27	5/25	6/3	5/8
Days to Mature	120	130	121	120	119	118	121

UNIFORM TEST III, 2004

MATURITY (date)

Strain	Portageville	Goehner	Plymouth	Tekamah	Hoytville	Wooster	So. Charleston.
	(Loam) MO	NE	NE	NE	OH	OH	OH
IA3023 (III)	9/3	10/2		9/26	9/18	9/22	9/16
IA2065	4	-11		-5	-9	-7	-5
Pana (SCN)	10	2		14	3	4	11
Macon (L)	8	2		7	-1	-1	-4
Apex	9	0		9	1	-0	7
A02-336040	2	-8		-2	-6	-4	-2
A02-338013	1	-7		-1	-7	-1	-3
CL0J173-6	2	-2		2	-1	3	5
HC99-2846	9	1		7	2	7	11
HC00-2766	10	3		13	1	-2	5
LG00-3372	9	3		13	1	-1	5
LG00-6304	12	-2		7	1	-1	3
LS00-2137	12	-1		12	0	2	6
U99-035014	-2	-6		3	-6	-3	0
U01-390783	-2	-10		0	-9	-5	-3
U01-390787	2	-6		2	-4	-1	2
Date Planted	5/19	5/28	5/22	5/20	5/6	5/7	5/11
Days to Mature	107	127		129	135	138	128

UNIFORM TEST III, 2004

LODGING (score)

Strain	Mean 17 Tests	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Carlisle IA	Newton IL	Urbana IL	Lafayette IN
IA3023 (III)	1.7	1.5	1.0	2.0	4.3	3.0	1.5	1.0
IA2065	1.6	1.3	1.0	1.8	4.5	2.8	1.0	1.0
Pana (SCN)	2.6	2.5	1.0	2.8	4.3	4.3	2.5	1.5
Macon (L)	1.8	1.7	1.0	1.8	4.5	3.8	1.5	1.0
Apex	1.3	1.0	1.0	1.5	1.8	1.0	1.0	1.0
A02-336040	2.4	2.0	1.0	3.5	5.0	4.2	1.7	1.0
A02-338013	2.0	1.5	1.0	2.3	4.5	4.2	1.7	1.0
CLOJ173-6	1.5	1.3	1.0	1.5	4.5	2.3	1.5	1.0
HC99-2846	1.8	1.3	1.0	1.8	4.3	3.2	1.5	1.0
HC00-2766	1.4	1.5	1.0	1.5	3.0	1.2	1.0	1.0
LG00-3372	2.1	2.0	1.0	1.8	4.5	3.3	2.0	1.3
LG00-6304	1.8	1.2	1.0	1.5	4.8	2.7	1.7	1.0
LS00-2137	2.1	2.0	1.0	2.5	4.5	4.0	1.5	1.0
U99-035014	2.1	1.3	1.0	2.3	4.5	4.0	1.2	1.0
U01-390783	1.6	1.2	1.0	1.5	5.0	2.3	1.0	1.0
U01-390787	2.3	1.3	1.0	2.3	4.5	4.3	2.0	1.3

*Data not included in mean.

UNIFORM TEST III, 2004

LODGING (score)

Strain	Butlerville IN	Wanatah IN	Ashland KS	Manhattan KS	Queenstown MD	Columbia MO	Portageville (Clay) MO
IA3023 (III)	1.0	1.5	1.0	1.0	1.8	2.0	1.0
IA2065	1.0	1.7	1.3	1.0	1.7	2.0	1.0
Pana (SCN)	1.5	2.3	3.0	2.3	3.5	3.0	2.0
Macon (L)	1.0	1.2	1.7	1.7	2.8	2.0	1.0
Apex	1.0	1.5	1.0	1.0	1.2	1.0	1.0
A02-336040	2.0	3.5	3.0	3.0	3.3	2.0	1.0
A02-338013	1.5	2.2	2.3	1.7	3.2	2.0	1.0
CL0J173-6	1.0	1.0	1.0	1.0	1.7	2.0	1.0
HC99-2846	1.0	1.2	1.0	2.0	2.5	2.0	1.0
HC00-2766	1.0	2.0	1.0	1.0	1.2	2.0	1.0
LG00-3372	1.0	2.3	3.0	2.3	2.7	2.0	1.0
LG00-6304	1.0	1.5	2.0	2.0	3.0	2.0	1.0
LS00-2137	1.3	2.2	2.3	2.0	3.0	2.0	1.0
U99-035014	1.7	2.5	2.3	2.0	3.0	1.0	1.0
U01-390783	1.0	1.3	1.7	1.3	2.0	1.0	1.0
U01-390787	1.8	3.2	2.0	2.0	3.3	2.0	1.0

UNIFORM TEST III, 2004

LODGING (score)

Strain	Portageville	Goehner	Plymouth	Tekamah	Hoytville	Wooster	So. Charleston.
	(Loam) MO	NE	NE	NE	OH	OH	OH
IA3023 (III)	1.5	2.0		2.0	1.4	1.3	1.0
IA2065	1.0	2.0		2.0	1.2	1.3	1.0
Pana (SCN)	1.5	2.0		3.0	1.9	3.0	1.8
Macon (L)	1.0	2.0		2.0	1.3	1.7	1.0
Apex	1.0	2.0		2.5	1.3	1.3	1.0
A02-336040	2.0	2.0		2.5	1.3	1.8	1.1
A02-338013	1.0	2.0		2.5	1.4	1.4	1.0
CL0J173-6	1.0	2.0		1.5	1.4	1.3	1.0
HC99-2846	2.0	2.0		2.0	1.6	2.1	1.1
HC00-2766	1.0	2.0		2.0	1.2	1.3	1.0
LG00-3372	1.0	2.0		2.0	1.9	1.9	1.1
LG00-6304	1.0	2.0		2.0	1.3	1.3	1.0
LS00-2137	1.0	2.0		2.0	1.9	2.2	1.1
U99-035014	1.5	2.0		3.0	1.5	1.7	1.1
U01-390783	1.0	2.0		2.0	1.4	1.3	1.0
U01-390787	2.0	2.0		3.0	1.5	1.4	1.2

UNIFORM TEST III, 2004

PLANT HEIGHT (inches)

Strain	Mean 16 Tests	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Carlisle IA	Newton IL	Urbana IL	Lafayette IN
IA3023 (III)	31	21	23	31	40	30	32	30
IA2065	26	22	24	28	35	25	28	26
Pana (SCN)	41	28	32	45	46	41	39	44
Macon (L)	33	29	31	35	45	31	37	31
Apex	21	13	17	18	24	19	22	23
A02-336040	31	25	24	36	40	31	32	31
A02-338013	34	29	32	37	46	33	37	33
CLOJ173-6	30	24	24	34	40	30	31	28
HC99-2846	34	29	32	37	44	31	34	31
HC00-2766	22	15	17	20	25	16	26	22
LG00-3372	37	30	32	40	49	36	41	39
LG00-6304	31	25	26	32	37	30	33	30
LS00-2137	34	30	31	35	43	34	35	33
U99-035014	34	23	28	36	47	33	35	33
U01-390783	24	17	20	23	32	18	25	24
U01-390787	34	27	31	38	43	31	33	35

*Data not included in mean.

UNIFORM TEST III, 2004**PLANT HEIGHT (inches)**

Strain	Butlerville IN	Wanatah IN	Ashland KS	Manhattan KS	Queenstown MD	Columbia MO	Portageville (Clay) MO
IA3023 (III)	24	35	37	31	30	30	17
IA2065	22	30	33	26	28	28	13
Pana (SCN)	35	46	50	41	38	40	31
Macon (L)	28	36	42	33	33	32	21
Apex	15	28	26	24	15	26	8
A02-336040	26	32	39	34	30	32	17
A02-338013	30	37	45	38	34	34	21
CL0J173-6	25	32	36	31	28	29	15
HC99-2846	27	38	42	36	32	34	24
HC00-2766	15	28	25	23	17	25	11
LG00-3372	30	45	44	40	33	36	23
LG00-6304	25	35	39	33	30	31	20
LS00-2137	29	36	43	33	33	30	22
U99-035014	26	38	41	36	32	32	21
U01-390783	18	30	33	23	23	26	10
U01-390787	28	40	42	36	34	33	25

UNIFORM TEST III, 2004**PLANT HEIGHT (inches)**

Strain	Portageville	Goehner	Plymouth	Tekamah	Hoytville	Wooster	So. Charleston.
	(Loam) MO	NE	NE	NE	OH	OH	OH
IA3023 (III)	29	42			31	27	24
IA2065	25	30			29	20	20
Pana (SCN)	38	38			43	37	38
Macon (L)	32	43			34	25	28
Apex	12	36			28	20	13
A02-336040	31	38			29	27	28
A02-338013	35	33			33	27	28
CL0J173-6	30	34			34	24	26
HC99-2846	36	37			37	31	30
HC00-2766	13	41			28	22	15
LG00-3372	35	39			38	30	33
LG00-6304	28	34			37	24	29
LS00-2137	31	37			37	29	31
U99-035014	33	35			39	29	30
U01-390783	14	35			28	19	23
U01-390787	35	38			38	25	31

UNIFORM TEST III, 2004

SEED SIZE (g/100)

Strain	Mean 12 Tests	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Carlisle IA	Newton IL	Urbana IL	Lafayette IN
IA3023 (III)	16.2			17.5	17.3		14.6	17.5
IA2065	16.3			17.0	17.6		15.0	17.0
Pana (SCN)	14.8			16.0	15.0		13.5	16.7
Macon (L)	17.7			19.7	19.4		17.0	20.3
Apex	15.6			16.5	16.5		16.1	15.9
A02-336040	15.9			17.3	17.1		14.5	17.7
A02-338013	18.7			19.2	19.1		16.8	19.8
CLOJ173-6	17.2			18.9	19.0		15.6	19.0
HC99-2846	15.2			15.8	15.1		13.5	16.8
HC00-2766	15.3			15.8	15.9		15.6	16.5
LG00-3372	15.5			17.2	15.9		14.1	17.2
LG00-6304	17.4			19.0	17.8		15.9	19.2
LS00-2137	16.7			17.5	17.1		16.0	19.0
U99-035014	17.4			18.1	18.1		15.3	18.5
U01-390783	16.9			17.1	17.3		15.9	16.5
U01-390787	16.7			16.6	18.2		14.3	16.8

*Data not included in mean.

UNIFORM TEST III, 2004

SEED SIZE (g/100)

Strain	Butlerville IN	Wanatah IN	Ashland KS	Manhattan KS	Queenstown MD	Columbia MO	Portageville (Clay) MO
IA3023 (III)	12.8	19.3	17.4	18.0	15.9		15.7
IA2065	13.8	18.3	18.0	18.7	15.8		15.8
Pana (SCN)	13.0	17.8	14.4	15.9	14.9		13.3
Macon (L)	12.9	21.8	18.3	20.2	18.1		16.9
Apex	12.2	17.4	16.5	18.4	14.4		15.0
A02-336040	13.5	19.0	17.8	17.4	16.3		14.8
A02-338013	16.3	22.7	20.8	20.1	19.1		16.5
CL0J173-6	14.3	21.6	16.3	18.7	17.9		13.9
HC99-2846	12.3	18.5	15.9	16.3	15.7		15.8
HC00-2766	12.1	18.2	15.6	17.2	13.5		12.6
LG00-3372	12.1	19.6	15.6	16.9	15.5		14.4
LG00-6304	14.2	21.7	17.8	19.4	16.7		16.5
LS00-2137	15.1	19.8	18.8	17.6	18.0		12.6
U99-035014	13.5	21.0	19.5	19.8	17.1		15.5
U01-390783	14.1	20.4	19.2	20.6	16.5		15.1
U01-390787	13.9	20.7	18.9	18.8	17.0		16.7

UNIFORM TEST III, 2004

SEED SIZE (g/100)

Strain	Portageville	Goehner	Plymouth	Tekamah	Hoytville	Wooster	So. Charleston.
	(Loam) MO	NE	NE	NE	OH	OH	OH
IA3023 (III)	13.8	16.2	17.1	13.8	16.5	16.0	17.0
IA2065	13.6	16.4	18.8	12.9	16.2	15.0	16.6
Pana (SCN)	13.2	13.6	15.9	12.4	15.4	14.6	16.4
Macon (L)	14.0	17.9	15.6	15.1	18.2	17.1	18.7
Apex	13.7	15.1	16.0	12.8	15.8	15.9	17.6
A02-336040	12.1	16.4	18.4	12.8	14.8	14.2	15.7
A02-338013	16.4	19.5	20.4	15.7	18.5	18.5	19.1
CL0J173-6	14.0	16.7	18.0	13.9	17.8	18.3	17.9
HC99-2846	13.1	14.6	16.3	12.8	15.2	15.7	15.5
HC00-2766	12.8	15.9	17.0	13.6	16.6	14.9	16.2
LG00-3372	13.7	14.5	16.8	14.0	15.6	14.7	16.4
LG00-6304	14.9	16.7	18.4	14.5	16.8	18.0	18.4
LS00-2137	13.5	17.8	15.6	13.2	16.5	17.5	17.7
U99-035014	14.1	16.2	19.9	15.6	17.5	17.8	18.3
U01-390783	14.7	16.8	18.3	15.8	15.0	15.8	18.1
U01-390787	14.3	16.3	18.0	14.9	15.9	15.7	17.8

UNIFORM TEST III, 2004

SEED QUALITY (score)

Strain	Mean 12 Tests	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Carlisle IA	Newton IL	Urbana IL	Lafayette IN
IA3023 (III)	1.4						1.0	1.0
IA2065	1.5						1.0	1.5
Pana (SCN)	2.0						2.5	1.5
Macon (L)	1.5						1.0	1.0
Apex	1.9						2.0	1.0
A02-336040	1.7						1.0	1.0
A02-338013	2.0						2.0	1.5
CLOJ173-6	1.4						1.0	1.0
HC99-2846	1.4						1.0	1.0
HC00-2766	1.5						1.0	1.0
LG00-3372	1.5						1.0	1.0
LG00-6304	1.5						1.0	1.0
LS00-2137	1.8						2.0	1.0
U99-035014	1.6						1.0	1.5
U01-390783	1.7						2.0	1.0
U01-390787	1.6						1.0	1.0

*Data not included in mean.

UNIFORM TEST III, 2004**SEED QUALITY (score)**

Strain	Butlerville IN	Wanatah IN	Ashland KS	Manhattan KS	Queenstown MD	Columbia MO	Portageville (Clay) MO
IA3023 (III)	1.0	1.0	2.0	2.0	1.0		2.0
IA2065	1.0	1.0	2.0	2.0	1.0		2.0
Pana (SCN)	1.0	1.5	2.0	2.0	3.2		2.5
Macon (L)	1.0	1.0	2.0	2.0	1.5		2.0
Apex	1.0	1.5	2.0	2.0	2.0		3.0
A02-336040	1.0	2.0	2.0	3.0	1.0		3.0
A02-338013	1.0	2.5	3.0	3.0	2.5		2.0
CL0J173-6	1.0	1.0	2.0	2.0	1.2		2.0
HC99-2846	1.0	1.0	2.0	2.0	1.2		2.0
HC00-2766	1.0	1.0	2.0	2.0	1.2		3.0
LG00-3372	1.0	1.5	2.0	2.0	1.3		2.0
LG00-6304	1.0	1.0	2.0	2.0	1.2		2.0
LS00-2137	1.0	2.0	3.0	3.0	1.7		1.5
U99-035014	1.0	2.0	2.0	2.0	1.2		2.0
U01-390783	1.0	1.5	2.0	2.0	1.3		2.5
U01-390787	1.0	1.5	2.0	2.0	1.8		2.0

UNIFORM TEST III, 2004**SEED QUALITY (score)**

Strain	Portageville	Goehner	Plymouth	Tekamah	Hoytville	Wooster	So. Charleston.
	(Loam) MO	NE	NE	NE	OH	OH	OH
IA3023 (III)	2.0				1.3	1.3	1.5
IA2065	2.0				1.6	1.4	1.3
Pana (SCN)	2.0				1.8	2.1	2.0
Macon (L)	2.0				1.3	1.6	1.5
Apex	2.0				2.1	2.2	1.7
A02-336040	2.0				1.3	1.5	1.0
A02-338013	1.5				1.5	1.8	1.5
CL0J173-6	2.0				1.3	1.3	1.5
HC99-2846	1.5				1.3	1.3	2.0
HC00-2766	1.5				1.5	1.3	1.7
LG00-3372	2.0				1.8	1.3	1.5
LG00-6304	2.0				1.5	1.3	1.7
LS00-2137	2.0				1.4	1.4	1.5
U99-035014	2.0				1.3	1.3	1.5
U01-390783	1.5				1.4	2.1	1.5
U01-390787	2.0				1.3	1.4	1.8

UNIFORM TEST III, 2004

PROTEIN (%)

Strain	Mean 5 Tests	Ames IA	Urbana IL	Lafayette IN	Wanatah IN	Hoytville OH
IA3023 (III)	39.0	39.5	38.5	39.0	39.5	38.4
IA2065	39.6	39.4	40.3	39.5	40.2	38.8
Pana (SCN)	40.0	39.5	38.5	41.6	41.5	38.8
Macon (L)	40.6	40.4	39.6	41.3	41.6	40.0
Apex	39.6	38.2	40.1	40.1	40.4	39.4
A02-336040	38.2	38.2	37.4	38.3	38.7	38.4
A02-338013	41.6	43.1	40.9	38.4	43.7	41.9
CL0J173-6	40.8	40.8	39.8	40.9	42.0	40.4
HC99-2846	41.2	41.0	39.2	42.6	42.4	40.9
HC00-2766	40.6	39.4	39.9	40.5	41.7	41.5
LG00-3372	40.6	39.4	39.8	40.7	43.4	39.9
LG00-6304	40.4	39.5	40.5	40.0	41.1	40.7
LS00-2137	43.1	41.2	42.0	44.2	44.5	43.5
U99-035014	40.1	39.5	39.0	40.9	41.3	39.8
U01-390783	40.4	40.5	41.9	40.5	41.2	37.8
U01-390787	40.3	40.1	39.7	40.5	41.1	40.0

UNIFORM TEST III, 2004**OIL (%)**

Strain	Mean 5 Tests	Ames IA	Urbana IL	Lafayette IN	Wanatah IN	Hoytville OH
IA3023 (III)	19.1	18.6	19.8	19.6	18.4	18.8
IA2065	20.8	20.3	20.7	21.0	20.7	21.4
Pana (SCN)	19.6	19.8	20.5	19.3	18.7	19.8
Macon (L)	19.2	19.0	20.0	19.5	18.3	19.4
Apex	19.3	19.8	19.6	19.8	18.4	18.8
A02-336040	19.6	19.2	21.1	20.1	18.9	18.9
A02-338013	18.2	17.2	19.5	17.8	17.5	18.7
CL0J173-6	18.8	18.8	19.8	19.1	18.3	17.8
HC99-2846	19.5	19.1	20.9	19.4	18.7	19.2
HC00-2766	19.5	19.4	21.0	20.1	18.7	18.3
LG00-3372	17.8	18.0	18.8	18.2	16.5	17.8
LG00-6304	18.3	18.5	18.0	19.3	18.2	17.6
LS00-2137	17.8	18.1	18.5	17.8	17.0	17.5
U99-035014	19.2	19.3	20.6	18.7	18.3	19.1
U01-390783	19.5	19.3	19.7	19.3	19.4	20.0
U01-390787	19.4	19.2	19.9	19.8	18.4	19.5

Preliminary Test III, 2004

Ent.	Strain	Parentage	Generation Compositated	Unique Traits
1.	IA3023	Dairyland DSR-365 x Pioneer P9381	F5	
2.	IA2065			2% linolenic
3.	Pana (SCN)	Jack x Asgrow A3205	F5	SCN
4.	Macon (L)	Sherman x Resnik	F5	
5.	Apex	HC85-607 x HC78-676 BC	F5	dt1
6.	IA3017			1% linolenic
7.	A03-941022	IA2067 x Pioneer 93B15	F5	SCN
8.	A03-941024	Pioneer 93B86 x A99-212014	F5	SCN
9.	A03-941027	A99-113038 x Pioneer XB34A00	F4	SCN
10.	A03-941036	IA2067 x Northrup King S30-J2	F5	
11.	A03-941049	A99-112033 x Northrup King S30-J2	F4	
12.	A03-942001	A99-112034 x Dairyland 96022	F4	
13.	A03-942026	A99-213052 x AgriPro 93046-A95-31271E	F4	
14.	A03-942052	Pioneer XB21E00 x A99-312006	F4	
15.	A03-942054	A99-312009 x Northrup King S20-F8	F4	
16.	A03-942055	A99-312009 x Northrup King S20-F8	F4	
17.	A03-943037	A99-312052 x Pioneer 92B37	F4	
18.	A03-943039	A99-312052 x Pioneer 92B37	F4	
19.	A03-946005			1% linolenic
20.	A03-946006			1% linolenic
21.	CL00-0956			
22.	CL00-15774			
23.	E02078	A94-674017 x IA 2036	F5	
24.	E02080	Millennium x PIO 9281	F5	
25.	HC99-36PR	HC85-6723B(4) x SPRITE87	BC3F6	dt1
26.	HC99-314	HC94-82PR x HC85-6577	F5	dt1
27.	HC99-1023	HC94-85PR x HC94-82PR	F5	dt1
28.	HC00-672	Croton3.9 x HC91-3672	F5	Dt1
29.	HC01-25	STOUT x HC94-81PR	F5	dt1
30.	HC01-214	LN90-4524 x HC94-82PR	F7	dt1,SCN
31.	HS1-3710	Athow x HS94-4533	F5	Rps1k + Rps3
32.	HS1-3717	Athow x HS94-4533	F5	Rps1k
33.	HS1-3661	HS93-4118 x 9352	F5	het. for Rps1c
34.	HS1-3886	IA 3010 x 9352	F5	
35.	HS1-6811	HS97-5261 x Kottman	F3	?? Rps1k
36.	HF02-0804	Defiance x OXR-96201	F5	1k, 3a
37.	LG00-6925	IA2022 x LG91-6859	F6	
38.	LG00-8298	PI574.477 x PI561.377	F6	
39.	LG01-2617	LG93-7654 x LG92-1255	F6	
40.	LG01-4067	LG93-7654 x LG93-7780	F6	
41.	LG01-4178	LG94-1128 x Iroquois	F6	
42.	LG01-4918	Macon x PI 507.295	F5	
43.	LS01-1804	LS93-0375 x IA3005	F6	SCN
44.	LS01-1987	PI567.445 x IA3005	F6	SCN
45.	U01-240136	NE3001 x UP1Fe(F1)C6-47	F5	Chlorosis
46.	U01-310412	UP3YC1S3	F5	
47.	U01-390127	NE1900 x Heinong 38	F5	
48.	U01-390274	Harbin 92-1062 x Pioneer 93B82	F5	Det.
49.	U01-390495	IA1008 x NE3001	F5	Det. SCN?
50.	U01-390784	NE3001 x Pioneer 93B82	F5	Det.

PRELIMINARY TEST III, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis	Shattering	PR		PS	FE
		Score Humboldt IA	Score Manhattan KS	Lafayette Race 4	Lafayette Race 7	Lafayette a %	Lafayette n
IA3023 (III)	WLtTDYBII	3.5	1.0	S	S	0	S
IA2065	PTBIYBII	3.5	1.0	R	R	1	S
Pana (SCN)	PGBIYBfi	3.6	1.0	S	R	17	S
Macon (L)	WTBIYBII	3.1	1.0	S	S	2	S
Apex	PTBSYBID	3.0	1.0	R	R	1	S
IA3017	PTTDYBII	4.0	1.0	R	R	3	
A03-941022	PGBDYYI	3.6	2.0	S	S	12	
A03-941024	P+WGTSYYYI	3.5	1.0	S	R	4	
A03-941027	PGBDYYI	3.4	1.0	S	S	5	S
A03-941036	PGBDYYI	3.4	1.0	S	S	13	S
A03-941049	PGBSYYYI	3.4	2.0	S	H	6	
A03-942001	PGBDYYI	3.3	2.0	S	R	2	S
A03-942026	PGBDYYI	3.3	1.0	S	S	8	
A03-942052	WGBIYYI	3.0	1.0	S	S	10	
A03-942054	PGBDYYI	3.1	1.0	S	R	13	S
A03-942055	PGBDYYI	3.3	1.0	S	S	7	S
A03-943037	PGBDYYI	3.6	2.0	S	R	8	S
A03-943039	PGBDYYI	3.5	1.0	S	S	4	
A03-946005	PGTIYIbI	3.4	1.0	R	R	10	S
A03-946006	PGTDYIbI	2.8	2.0	R	R	13	S
CL00-0956	PTTDYBII	3.0	1.0	S	S	0	
CL00-15774	WTTDYBII	3.3	1.0	S	H	2	S
E02078	PT+GTSYYI	3.1	1.0	S	R	11	S
E02080	PT+GBSYYYI	2.9	1.0	S	S	4	
HC99-36PR	WTTDYGGrD	2.9	1.0	S	S	0	
HC99-314	PTTDYBID	2.5	1.0	S	S	2	
HC99-1023	P+WTTDYBID	3.3	1.0	R	R	0	S
HC00-672	PTTDYBII	3.8	1.0	H	R	11	S
HC01-25	WTTDYBID	3.0	1.0	H	S	1	
HC01-214	PTTDYBID	3.0	1.0	S	S	0	
HS1-3710	P+WLtTDYBII	3.0	1.0	R	R	1	
HS1-3717	P+WLtTDYBII	3.1	1.0	R	R	0	
HS1-3661	WTBIYBrI	3.5	1.0	S	R	0	S
HS1-3886	WTBDYLbrI	2.6	1.0	S	R	13	S
HS1-6811	P+WSTSYBI+Bfi	3.6	1.0	R	R	1	S
HF02-0804	WTBDYBII	3.1	1.0	R	R	6	
LG00-6925	PTBIYBII	3.4	3.0	S	S	2	S
LG00-8298	WTBDYBII	3.8	1.0	S	S	8	S
LG01-2617	PTBSYLbrI	3.9	1.0	R	S	4	S
LG01-4067	PTBIYBrI	3.6	1.0	S	S	4	S
LG01-4178	PGBDYIbI	3.8	1.0	S	S	11	S
LG01-4918	WTBIYBII	3.4	1.0	S	S	6	S
LS01-1804	WTBDYLbII	3.6	1.0	S	H	7	S
LS01-1987	PTBDYLbII	3.5	1.0	S	H	1	S
U01-240136	WTBDYBrI	3.0	1.0	S	S	3	S
U01-310412	PT+GBDYIbI	3.4	1.0	S	S	2	S
U01-390127	P+WGBDYYI	2.9	1.0	S	H	0	
U01-390274	P+WSDYBID	3.1	1.0	S	S	3	S
U01-390495	WGBSYD	3.3	1.0	H	S	5	
U01-390784	PSBDYBI+IbD	2.9	1.0	S	S	3	

Frogeye Leaf Spot S = susceptible, blank = lesions not detected

* = entry/*P. sojae* race reaction questionable.

PRELIMINARY TEST III, 2004

REGIONAL SUMMARY

No. of Tests Strain	Yield 11 bu/a	Rank 11 No.	Maturity 10 Date	Lodging 10 Score	Plant Height 9 In.	Seed Size 11 g/100	Seed Quality 6 Score	Composition	
								Protein 5 %	Oil 5 %
IA3023 (III)	60.7	5	9/19	1.7	32	16.1	1.3	38.8	19.1
IA2065	55.9	25	-5.2	1.7	28	16.2	1.3	39.2	20.4
Pana (SCN)	57.1	19	5.7	2.4	43	14.5	1.9	39.7	19.5
Macon (L)	59.3	7	2.1	1.8	35	17.5	1.3	39.7	19.0
Apex	55.7	27	2.4	1.4	20	15.4	1.5	39.5	18.7
IA3017	56.5	21	0.1	1.7	31	16.2	1.4	40.5	19.7
A03-941022	56.5	21	4.8	1.7	34	17.8	1.3	41.9	18.8
A03-941024	53.2	38	2.4	2.9	41	17.5	1.3	40.4	19.2
A03-941027	53.8	34	0.5	2.1	37	17.7	1.5	40.9	18.7
A03-941036	55.6	28	0.0	1.9	37	17.4	1.5	40.7	18.6
A03-941049	50.2	46	0.2	2.0	34	17.8	1.5	40.4	19.3
A03-942001	53.8	34	2.3	1.9	35	18.9	1.6	41.4	19.2
A03-942026	53.9	33	-3.2	1.6	29	18.5	1.4	41.3	19.4
A03-942052	51.8	42	-3.5	1.8	34	20.4	1.6	43.2	18.1
A03-942054	58.1	13	1.9	1.8	34	18.6	1.5	40.8	18.5
A03-942055	54.3	30	3.0	2.3	40	18.9	1.5	41.4	18.9
A03-943037	58.1	13	6.5	1.9	35	17.7	1.4	41.6	18.1
A03-943039	54.2	31	3.5	1.8	38	15.2	1.3	40.1	20.1
A03-946005	59.0	9	-1.4	1.6	32	17.1	1.6	39.2	19.8
A03-946006	57.5	16	-2.1	1.8	34	17.7	1.3	40.7	19.9
CL00-0956	57.5	16	7.0	2.2	38	14.8	1.4	41.5	19.5
CL00-15774	59.1	8	2.9	1.9	35	16.2	1.4	39.5	19.6
E02078	34.3	49	-10.1	1.6	29	17.3	1.9	42.9	18.1
E02080	33.9	50	-10.4	1.6	25	19.5	2.2	42.6	18.8
HC99-36PR	53.2	38	4.5	1.4	23	15.0	1.3	40.3	19.3
HC99-314	52.8	40	3.1	1.4	22	15.4	1.3	40.1	19.7
HC99-1023	50.7	45	2.7	1.5	21	15.7	1.3	39.9	19.5
HC00-672	58.7	11	8.0	2.2	38	16.8	1.4	41.3	19.2
HC01-25	48.8	48	1.0	1.3	21	17.0	1.3	39.1	18.9
HC01-214	51.6	43	4.2	1.4	21	15.3	1.5	40.6	18.9
HS1-3710	58.9	10	0.9	2.0	35	16.4	1.3	40.8	18.9
HS1-3717	56.7	20	1.4	1.9	35	16.1	1.3	40.2	18.8
HS1-3661	61.2	4	0.4	1.9	34	16.6	1.3	39.2	19.4
HS1-3886	62.1	2	4.3	1.5	34	17.4	1.3	38.9	18.8
HS1-6811	59.5	6	3.1	1.9	35	16.7	1.3	40.8	19.1
HF02-0804	57.2	18	2.8	2.1	36	18.5	1.3	40.2	20.1
LG00-6925	61.6	3	2.0	2.4	41	18.5	1.9	40.0	19.6
LG00-8298	55.0	29	3.1	2.0	34	18.1	1.4	39.8	19.2
LG01-2617	54.2	31	1.4	2.0	34	15.9	1.3	42.0	20.5
LG01-4067	53.6	36	2.6	2.0	35	16.5	1.6	40.9	19.1
LG01-4178	52.7	41	2.1	2.2	41	14.1	1.4	42.2	18.6
LG01-4918	56.3	23	3.7	2.5	36	16.0	1.3	38.8	19.9
LS01-1804	56.2	24	4.0	2.0	34	16.7	1.5	41.3	18.4
LS01-1987	62.3	1	4.6	1.8	35	15.2	1.3	39.9	18.2
U01-240136	58.5	12	-1.4	2.0	40	17.2	1.6	40.0	18.7
U01-310412	58.1	13	3.0	2.5	39	16.7	1.9	37.8	19.9
U01-390127	50.9	44	-0.3	3.1	37	16.0	1.4	39.7	19.1
U01-390274	49.3	47	-3.0	2.1	27	18.2	1.3	38.9	19.8
U01-390495	53.3	37	-4.5	1.8	29	18.9	1.6	40.0	19.3
U01-390784	55.8	26	-3.9	1.7	27	17.7	1.3	40.1	19.4

PRELIMINARY TEST III, 2004

YIELD (bu/a)

Strain	Mean 11 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Butlerville IN	Ashland KS
IA3023 (III)	60.7	73.7	80.0	62.2	55.9	37.3	67.6
IA2065	55.9	66.7	62.3	48.7	50.0	38.3	61.7
Pana (SCN)	57.1	58.8	64.3	65.3	57.8	47.5	57.1
Macon (L)	59.3	72.2	58.4	57.6	53.0	38.2	65.5
Apex	55.7	47.7	65.6	47.4	53.0	42.8	70.4
IA3017	56.5	66.4	61.8	58.2	53.2	36.7	57.9
A03-941022	56.5	65.3	59.8	60.4	55.0	34.1	64.0
A03-941024	53.2	67.8	58.6	60.3	46.5	42.4	61.0
A03-941027	53.8	67.0	56.0	56.9	51.8	32.0	54.5
A03-941036	55.6	65.2	62.2	56.0	50.1	30.8	66.2
A03-941049	50.2	67.9	57.9	45.9	29.7	25.0	57.6
A03-942001	53.8	65.4	47.6	56.5	50.2	40.8	62.3
A03-942026	53.9	66.1	70.4	51.1	43.8	30.5	64.9
A03-942052	51.8	59.3	61.6	48.4	42.5	32.5	65.3
A03-942054	58.1	68.4	67.1	59.1	49.8	39.0	62.5
A03-942055	54.3	55.1	55.9	50.7	47.0	41.2	63.4
A03-943037	58.1	62.6	61.5	59.7	53.0	43.0	71.3
A03-943039	54.2	60.0	64.0	52.9	42.8	30.0	69.4
A03-946005	59.0	71.0	72.5	59.8	53.3	39.7	71.9
A03-946006	57.5	66.7	64.1	56.0	48.5	38.8	64.2
CL00-0956	57.5	68.7	51.9	66.7	55.9	49.2	56.6
CL00-15774	59.1	66.0	53.8	62.9	56.1	49.1	65.8
E02078	34.3	43.1	42.3	27.3	23.2	20.7	40.4
E02080	33.9	41.1	45.3	25.9	19.0	18.6	42.3
HC99-36PR	53.2	61.9	57.8	47.5	51.5	27.8	68.9
HC99-314	52.8	57.0	50.3	41.1	51.4	32.5	63.0
HC99-1023	50.7	56.4	54.4	39.3	47.4	41.0	58.1
HC00-672	58.7	65.2	55.4	57.1	58.7	51.3	57.4
HC01-25	48.8	45.8	43.6	45.6	49.3	27.0	62.7
HC01-214	51.6	54.8	45.4	41.1	52.3	37.0	64.0
HS1-3710	58.9	62.4	51.8	52.8	53.7	46.3	65.2
HS1-3717	56.7	63.4	52.6	54.5	47.8	42.8	71.4
HS1-3661	61.2	67.7	60.6	59.2	52.4	41.5	69.9
HS1-3886	62.1	66.3	66.1	62.0	56.5	49.3	70.3
HS1-6811	59.5	70.5	53.7	64.7	50.0	48.7	62.2
HF02-0804	57.2	63.1	49.9	61.9	57.2	45.2	65.1
LG00-6925	61.6	67.1	71.1	61.7	62.0	48.2	69.8
LG00-8298	55.0	65.5	48.7	63.0	43.5	33.6	57.1
LG01-2617	54.2	62.3	52.2	58.3	56.4	33.6	58.5
LG01-4067	53.6	56.3	45.5	61.5	56.0	42.9	52.6
LG01-4178	52.7	61.3	53.7	53.2	51.2	37.9	59.4
LG01-4918	56.3	73.5	53.7	57.7	51.6	31.4	64.4
LS01-1804	56.2	59.3	54.2	65.3	54.5	48.5	56.4
LS01-1987	62.3	62.2	66.2	63.0	63.2	56.3	64.1
U01-240136	58.5	65.5	77.0	56.1	50.7	45.3	67.1
U01-310412	58.1	58.9	62.1	57.0	52.2	38.8	73.4
U01-390127	50.9	56.7	37.4	55.1	36.8	41.2	64.2
U01-390274	49.3	54.2	41.0	50.8	41.3	18.4	59.0
U01-390495	53.3	52.5	63.9	53.6	41.6	35.7	59.6
U01-390784	55.8	72.6	63.1	49.7	46.2	25.3	60.8
C.V. (%)		6.2	5.8	5.5	11.4	13.1	5.2
L.S.D. (5%)		7.8	6.7	6.0	11.3	9.9	6.5
Row Sp. (In.)		27	27	30	24	26	30
Rows/Plot		4	4	4	4	4	2
Reps		2	2	2	2	2	2

PRELIMINARY TEST III, 2004

YIELD (bu/a)

Strain	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
IA3023 (III)	63.3	39.1	51.4	84.4	53.1
IA2065	61.0	47.7	55.3	72.2	51.4
Pana (SCN)	59.5	43.3	40.8	79.5	54.7
Macon (L)	63.3	51.6	52.6	80.0	60.3
Apex	66.5	41.0	52.4	83.7	42.4
IA3017	63.6	44.0	50.7	77.1	51.8
A03-941022	73.5	38.1	47.7	73.8	50.4
A03-941024	63.1	41.6	43.0	71.2	29.3
A03-941027	60.1	42.8	41.1	73.1	56.2
A03-941036	64.9	42.2	49.8	73.0	51.5
A03-941049	63.5	42.8	51.0	70.3	40.7
A03-942001	63.8	38.6	48.1	70.7	47.9
A03-942026	52.2	41.4	53.0	74.6	44.4
A03-942052	58.9	40.6	56.4	64.6	39.3
A03-942054	65.9	45.7	56.0	78.8	47.3
A03-942055	60.6	51.2	43.6	84.2	44.2
A03-943037	59.8	44.1	47.2	79.1	58.3
A03-943039	63.9	45.9	50.8	73.7	42.8
A03-946005	69.5	36.7	46.7	70.6	56.8
A03-946006	72.7	42.3	50.9	76.7	52.1
CL00-0956	53.3	44.9	49.7	75.8	59.4
CL00-15774	56.3	44.9	49.1	79.3	66.7
E02078	39.3	25.9	41.2	54.6	19.2
E02080	47.3	27.0	47.0	41.6	18.4
HC99-36PR	59.7	39.1	42.7	83.0	45.2
HC99-314	57.3	41.3	52.0	82.4	52.3
HC99-1023	56.7	39.1	52.0	71.4	42.2
HC00-672	61.8	49.2	50.2	87.7	51.2
HC01-25	60.6	39.4	50.1	74.3	38.6
HC01-214	50.1	42.2	50.5	79.5	50.4
HS1-3710	68.8	45.5	46.6	85.1	69.8
HS1-3717	65.6	43.3	49.0	81.0	52.4
HS1-3661	69.8	46.5	52.4	91.3	62.2
HS1-3886	64.1	45.3	50.7	86.2	66.9
HS1-6811	66.0	48.8	51.4	80.6	58.5
HF02-0804	55.2	45.1	44.8	80.4	61.6
LG00-6925	65.2	47.9	47.1	81.9	55.4
LG00-8298	63.8	40.9	47.1	74.9	66.6
LG01-2617	60.0	41.2	49.2	64.8	60.1
LG01-4067	53.1	45.3	50.0	69.5	56.8
LG01-4178	55.1	38.8	48.0	70.8	49.9
LG01-4918	62.8	53.7	44.2	72.9	53.2
LS01-1804	55.2	48.7	45.8	77.3	53.5
LS01-1987	62.3	44.7	55.5	85.4	62.6
U01-240136	62.2	42.9	54.6	75.1	46.6
U01-310412	59.3	47.5	42.1	82.6	65.1
U01-390127	64.7	44.3	45.1	68.0	46.5
U01-390274	65.5	42.2	43.8	78.3	48.1
U01-390495	67.1	41.7	53.3	72.7	44.8
U01-390784	68.3	47.1	56.0	74.7	50.3
C.V. (%)	9.3	7.8	8.9	3.8	13.0
L.S.D. (5%)		8.3	10.9	4.8	14.1
Row Sp. (In.)	30	30	30	7.5	15
Rows/Plot	4	4	4	8	6
Reps	2	2	2	2	2

PRELIMINARY TEST III, 2004

YIELD RANK

Strain	Yield Rank	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Butlerville IN	Ashland KS
IA3023 (III)	5	1	1	8	10	30	11
IA2065	25	14	15	40	31	27	32
Pana (SCN)	19	38	10	2	4	9	43
Macon (L)	7	4	24	22	17	28	15
Apex	27	47	9	43	17	15	5
IA3017	21	16	18	20	16	32	40
A03-941022	21	23	22	13	12	34	24
A03-941024	38	10	23	14	39	17	33
A03-941027	34	13	27	25	23	39	47
A03-941036	28	24	16	28	30	41	13
A03-941049	46	9	25	44	48	47	41
A03-942001	34	22	43	26	29	22	30
A03-942026	33	18	5	36	41	42	19
A03-942052	42	35	19	41	44	37	16
A03-942054	13	8	6	18	33	24	29
A03-942055	30	43	28	38	38	19	26
A03-943037	13	28	20	16	17	13	4
A03-943039	31	34	12	34	43	43	9
A03-946005	9	5	3	15	15	23	2
A03-946006	16	14	11	29	35	25	22
CL00-0956	16	7	38	1	10	4	45
CL00-15774	8	19	32	7	8	5	14
E02078	49	49	48	49	49	48	50
E02080	50	50	46	50	50	49	49
HC99-36PR	38	32	26	42	25	44	10
HC99-314	40	39	40	46	26	37	27
HC99-1023	45	41	29	48	37	21	39
HC00-672	11	24	29	23	3	2	42
HC01-25	48	48	47	45	34	45	28
HC01-214	43	44	45	46	21	31	24
HS1-3710	10	29	39	35	14	10	17
HS1-3717	20	26	36	31	36	15	3
HS1-3661	4	11	21	17	20	18	7
HS1-3886	2	17	8	9	6	3	6
HS1-6811	6	6	33	4	31	6	31
HF02-0804	18	27	41	10	5	12	18
LG00-6925	3	12	4	11	2	8	8
LG00-8298	29	20	42	5	42	35	43
LG01-2617	31	30	37	19	7	35	38
LG01-4067	36	42	44	12	9	14	48
LG01-4178	41	33	33	33	27	29	36
LG01-4918	23	2	33	21	24	40	20
LS01-1804	24	35	31	2	13	7	46
LS01-1987	1	31	7	5	1	1	23
U01-240136	12	20	2	27	28	11	12
U01-310412	13	37	17	24	22	25	1
U01-390127	44	40	50	30	47	19	21
U01-390274	47	45	49	37	46	50	37
U01-390495	37	46	13	32	45	33	35
U01-390784	26	3	14	39	40	46	34

PRELIMINARY TEST III, 2004

YIELD RANK

Strain	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
IA3023 (III)	22	42	14	6	21
IA2065	29	8	5	38	27
Pana (SCN)	36	24	50	17	18
Macon (L)	22	2	9	16	9
Apex	8	38	10	8	43
IA3017	20	23	19	24	25
A03-941022	1	47	32	32	29
A03-941024	24	34	45	40	48
A03-941027	32	27	49	34	16
A03-941036	14	30	25	35	26
A03-941049	21	27	16	44	45
A03-942001	18	46	30	42	34
A03-942026	47	35	8	30	40
A03-942052	38	40	1	48	46
A03-942054	10	13	2	21	35
A03-942055	30	3	44	7	41
A03-943037	34	22	33	20	13
A03-943039	17	12	18	33	42
A03-946005	4	48	37	43	14
A03-946006	2	29	17	25	24
CL00-0956	45	18	26	26	11
CL00-15774	41	18	28	19	3
E02078	50	50	48	49	49
E02080	49	49	36	50	50
HC99-36PR	35	42	46	9	38
HC99-314	39	36	12	11	23
HC99-1023	40	42	12	39	44
HC00-672	28	4	22	2	28
HC01-25	30	41	23	31	47
HC01-214	48	30	21	17	29
HS1-3710	5	14	38	5	1
HS1-3717	11	24	29	13	22
HS1-3661	3	11	10	1	7
HS1-3886	16	15	19	3	2
HS1-6811	9	5	14	14	12
HF02-0804	42	17	41	15	8
LG00-6925	13	7	34	12	17
LG00-8298	18	39	34	28	4
LG01-2617	33	37	27	47	10
LG01-4067	46	15	24	45	14
LG01-4178	44	45	31	41	32
LG01-4918	25	1	42	36	20
LS01-1804	42	6	39	23	19
LS01-1987	26	20	4	4	6
U01-240136	27	26	6	27	36
U01-310412	37	9	47	10	5
U01-390127	15	21	40	46	37
U01-390274	12	30	43	22	33
U01-390495	7	33	7	37	39
U01-390784	6	10	2	29	31

PRELIMINARY TEST III, 2004

MATURITY (date)

Strain	Mean 10 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Butlerville IN	Ashland KS
IA3023 (III)	9/19	9/25	9/21	9/7	9/17	9/7	9/24
IA2065	-5.2	-7	-9	-1	-5	1	-5
Pana (SCN)	5.7	2	4	7	7	8	1
Macon (L)	2.1	0	0	4	4	5	0
Apex	2.4	0	1	5	5	4	1
IA3017	0.1	-2	-1	2	2	6	-5
A03-941022	4.8	5	5	5	7	5	2
A03-941024	2.4	3	0	3	4	5	-1
A03-941027	0.5	1	1	3	1	5	-2
A03-941036	0.0	0	2	1	1	4	-2
A03-941049	0.2	-1	0	2	2	4	-3
A03-942001	2.3	1	5	5	2	5	-1
A03-942026	-3.2	-4	-3	-1	-3	0	-5
A03-942052	-3.5	-8	-4	-1	-2	1	-5
A03-942054	1.9	1	3	3	2	5	-3
A03-942055	3.0	2	4	3	3	8	-2
A03-943037	6.5	4	7	10	7	9	1
A03-943039	3.5	-1	3	6	6	4	0
A03-946005	-1.4	-2	-3	0	-1	4	-3
A03-946006	-2.1	-4	-3	-1	-2	6	-3
CL00-0956	7.0	6	5	10	9	10	2
CL00-15774	2.9	-1	2	5	3	7	1
E02078	-10.1	-18	-15	-1	-12	-4	-15
E02080	-10.4	-16	-15	-1	-13	-4	-15
HC99-36PR	4.5	4	1	5	6	4	3
HC99-314	3.1	0	1	4	5	3	-1
HC99-1023	2.7	1	-1	4	3	6	0
HC00-672	8.0	6	7	11	9	12	4
HC01-25	1.0	-1	-1	3	1	-2	1
HC01-214	4.2	2	0	5	7	2	1
HS1-3710	0.9	0	2	1	2	6	-4
HS1-3717	1.4	-1	2	2	2	5	-3
HS1-3661	0.4	-2	-2	3	5	0	-2
HS1-3886	4.3	6	3	6	6	6	1
HS1-6811	3.1	3	4	6	4	6	-2
HF02-0804	2.8	0	3	4	2	7	0
LG00-6925	2.0	-2	2	4	4	7	-1
LG00-8298	3.1	4	3	5	7	5	1
LG01-2617	1.4	-1	1	4	4	1	0
LG01-4067	2.6	1	4	5	3	6	-1
LG01-4178	2.1	0	1	2	6	6	-1
LG01-4918	3.7	2	3	5	4	6	3
LS01-1804	4.0	1	5	9	7	10	0
LS01-1987	4.6	0	3	6	8	9	0
U01-240136	-1.4	-1	-3	1	0	7	-5
U01-310412	3.0	-1	3	5	3	6	-1
U01-390127	-0.3	-2	-3	2	4	4	-5
U01-390274	-3.0	-7	-4	1	0	-3	-5
U01-390495	-4.5	-8	-6	1	-3	-4	-4
U01-390784	-3.9	-6	-3	-1	-5	-3	-4
Date Planted	5/14	5/4	5/5	5/6	5/18	5/12	5/26
Days to Mature	128	144	139	124	122	118	121

PRELIMINARY TEST III, 2004

MATURITY (date)

Strain	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
IA3023 (III)	10/2		9/28	9/18	9/17
IA2065	-8		-4	-8	-6
Pana (SCN)	4		12	3	10
Macon (L)	4		4	-1	1
Apex	1		4	-0	4
IA3017	0		-1	-4	4
A03-941022	5		4	1	10
A03-941024	3		6	-2	4
A03-941027	-4		-1	-3	3
A03-941036	-5		2	-6	3
A03-941049	-4		-1	-4	7
A03-942001	0		2	-2	5
A03-942026	-2		-2	-7	-4
A03-942052	-5		0	-7	-4
A03-942054	0		3	-2	7
A03-942055	-4		12	1	3
A03-943037	4		10	3	10
A03-943039	2		8	0	8
A03-946005	-5		-1	-6	3
A03-946006	-6		0	-7	-2
CL00-0956	6		8	3	11
CL00-15774	4		2	-1	7
E02078	-11		-6	-10	-10
E02080	-12		-8	-11	-10
HC99-36PR	3		11	1	7
HC99-314	5		11	-1	5
HC99-1023	-1		10	-1	5
HC00-672	5		12	3	12
HC01-25	6		3	-2	3
HC01-214	6		11	1	7
HS1-3710	-1		0	-1	4
HS1-3717	1		3	0	3
HS1-3661	-1		-1	-1	4
HS1-3886	6		2	1	7
HS1-6811	-3		5	1	7
HF02-0804	0		6	-2	8
LG00-6925	-3		4	-2	6
LG00-8298	1		3	-1	4
LG01-2617	-2		7	-4	4
LG01-4067	0		4	-3	7
LG01-4178	2		5	-3	4
LG01-4918	4		7	1	4
LS01-1804	-4		3	1	8
LS01-1987	0		9	1	10
U01-240136	-6		2	-8	-2
U01-310412	5		4	-0	7
U01-390127	-4		2	-5	3
U01-390274	-5		-1	-6	-1
U01-390495	-8		-2	-8	-4
U01-390784	-6		-3	-6	-3
Date Planted	5/28	5/22	5/20	5/6	5/11
Days to Mature	127		131	135	129

PRELIMINARY TEST III, 2004

LODGING (score)

Strain	Mean 10 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Butlerville IN	Ashland KS
IA3023 (III)	1.7	2.0	4.3	1.5	1.0	1.0	1.0
IA2065	1.7	1.8	4.5	1.0	1.0	1.0	1.5
Pana (SCN)	2.4	2.8	4.3	2.8	1.5	1.3	3.0
Macon (L)	1.8	1.8	4.5	1.5	1.0	1.0	2.0
Apex	1.4	1.5	1.8	1.0	1.0	1.0	1.0
IA3017	1.7	1.8	4.0	1.3	1.0	1.0	1.5
A03-941022	1.7	1.8	4.0	1.5	1.0	1.0	1.5
A03-941024	2.9	2.8	5.0	3.5	2.8	2.0	3.0
A03-941027	2.1	2.8	4.5	2.0	1.0	1.5	3.0
A03-941036	1.9	2.3	4.8	1.5	1.0	1.0	2.0
A03-941049	2.0	2.0	5.0	1.5	1.0	1.3	2.5
A03-942001	1.9	2.0	5.0	1.8	1.0	1.0	2.5
A03-942026	1.6	1.3	4.0	1.0	1.0	1.0	1.0
A03-942052	1.8	1.8	4.5	1.5	1.0	1.0	1.5
A03-942054	1.8	1.8	4.5	1.8	1.0	1.0	1.5
A03-942055	2.3	2.3	4.5	2.5	1.8	1.3	2.5
A03-943037	1.9	2.0	5.0	1.8	1.0	1.0	2.0
A03-943039	1.8	1.8	4.3	1.8	1.0	1.0	2.0
A03-946005	1.6	1.8	4.3	1.3	1.0	1.0	1.0
A03-946006	1.8	1.8	4.3	1.5	1.0	1.0	1.5
CL00-0956	2.2	2.8	4.5	2.0	1.3	1.5	3.0
CL00-15774	1.9	2.0	4.3	1.8	1.0	1.0	2.0
E02078	1.6	1.3	4.0	1.0	1.0	1.0	1.5
E02080	1.6	1.5	4.5	1.0	1.0	1.0	1.0
HC99-36PR	1.4	1.5	2.0	1.0	1.0	1.0	1.0
HC99-314	1.4	1.5	1.8	1.0	1.0	1.0	1.0
HC99-1023	1.5	1.5	1.8	1.0	1.0	1.0	1.0
HC00-672	2.2	2.3	4.5	1.5	1.0	1.3	3.0
HC01-25	1.3	1.3	1.8	1.0	1.0	1.0	1.0
HC01-214	1.4	1.5	2.0	1.0	1.0	1.0	1.0
HS1-3710	2.0	2.0	4.8	2.0	1.0	1.0	2.0
HS1-3717	1.9	1.8	4.5	1.8	1.0	1.0	2.0
HS1-3661	1.9	1.8	4.8	1.8	1.0	1.0	2.0
HS1-3886	1.5	1.8	3.8	1.3	1.0	1.0	1.0
HS1-6811	1.9	2.3	4.8	1.5	1.0	1.0	1.5
HF02-0804	2.1	2.0	5.0	1.8	1.0	1.5	3.0
LG00-6925	2.4	2.3	4.3	2.3	1.3	2.3	3.0
LG00-8298	2.0	2.0	5.0	1.8	1.0	1.0	2.5
LG01-2617	2.0	2.0	4.5	2.3	1.0	1.0	2.5
LG01-4067	2.0	2.5	4.5	2.0	1.0	1.3	2.0
LG01-4178	2.2	2.8	4.5	2.0	1.3	1.8	2.0
LG01-4918	2.5	3.0	4.3	2.8	2.8	2.3	2.5
LS01-1804	2.0	2.0	4.8	2.0	1.0	1.0	2.5
LS01-1987	1.8	2.0	4.5	1.5	1.0	1.0	2.0
U01-240136	2.0	3.0	4.5	2.0	1.0	1.0	2.0
U01-310412	2.5	2.3	4.8	3.0	1.5	1.5	3.0
U01-390127	3.1	3.8	5.0	2.5	1.3	3.0	3.5
U01-390274	2.1	2.5	5.0	1.8	1.3	1.0	2.0
U01-390495	1.8	1.5	4.5	1.3	1.0	1.0	2.0
U01-390784	1.7	1.5	4.8	1.3	1.0	1.0	1.0

PRELIMINARY TEST III, 2004

LODGING (score)

Strain	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
IA3023 (III)	2.0		2.0	1.4	1.0
IA2065	2.0		2.0	1.4	1.0
Pana (SCN)	2.0		3.0	2.0	1.7
Macon (L)	2.0		2.0	1.3	1.2
Apex	1.5		3.0	1.3	1.0
IA3017	2.0		2.0	1.3	1.0
A03-941022	2.0		2.0	1.2	1.0
A03-941024	3.0		3.0	1.8	2.2
A03-941027	2.0		2.0	1.4	1.1
A03-941036	2.0		2.0	1.4	1.0
A03-941049	2.0		2.0	1.3	1.0
A03-942001	1.0		2.0	1.4	1.0
A03-942026	2.0		2.0	1.2	1.0
A03-942052	2.0		2.0	1.4	1.0
A03-942054	2.0		2.0	1.4	1.0
A03-942055	2.0		3.0	1.7	1.1
A03-943037	2.0		2.0	1.4	1.0
A03-943039	1.3		2.0	1.6	1.1
A03-946005	1.5		2.0	1.3	1.0
A03-946006	2.0		2.0	1.4	1.0
CL00-0956	2.0		2.0	2.0	1.3
CL00-15774	2.0		2.0	1.5	1.0
E02078	2.0		2.0	1.2	1.0
E02080	1.5		2.0	1.2	1.0
HC99-36PR	2.0		2.5	1.4	1.0
HC99-314	1.5		3.0	1.4	1.0
HC99-1023	2.0		3.0	1.3	1.0
HC00-672	2.0		2.0	1.9	2.1
HC01-25	1.5		2.0	1.4	1.0
HC01-214	1.5		3.0	1.2	1.0
HS1-3710	2.0		2.0	1.9	1.1
HS1-3717	2.0		2.0	1.5	1.1
HS1-3661	2.0		2.0	1.5	1.0
HS1-3886	1.0		1.5	1.4	1.0
HS1-6811	2.0		2.0	1.4	1.0
HF02-0804	2.0		2.0	1.8	1.2
LG00-6925	2.0		3.0	1.8	1.3
LG00-8298	2.0		2.0	1.4	1.0
LG01-2617	2.0		2.0	1.4	1.0
LG01-4067	2.0		2.0	1.4	1.1
LG01-4178	2.0		3.0	1.5	1.4
LG01-4918	2.0		2.5	1.5	1.5
LS01-1804	2.0		2.0	1.6	1.3
LS01-1987	2.0		2.0	1.5	1.0
U01-240136	2.0		2.0	1.5	1.1
U01-310412	2.0		3.0	2.2	1.6
U01-390127	3.0		3.5	2.6	2.3
U01-390274	2.0		3.0	1.4	1.0
U01-390495	2.0		2.5	1.2	1.0
U01-390784	2.0		2.0	1.4	1.0

PRELIMINARY TEST III, 2004

PLANT HEIGHT (inches)

Strain	Mean 9 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Butlerville IN	Ashland KS
IA3023 (III)	32	31	40	36	31	25	37
IA2065	28	28	35	28	25	23	34
Pana (SCN)	43	45	46	43	43	39	46
Macon (L)	35	35	45	36	32	28	37
Apex	20	18	24	20	20	16	23
IA3017	31	36	41	31	29	24	29
A03-941022	34	37	44	34	32	23	39
A03-941024	41	43	57	43	36	33	47
A03-941027	37	41	46	39	33	27	39
A03-941036	37	34	47	39	34	29	44
A03-941049	34	41	39	37	27	26	42
A03-942001	35	37	42	39	33	27	38
A03-942026	29	32	40	31	27	23	30
A03-942052	34	37	40	37	29	26	40
A03-942054	34	36	50	36	30	26	36
A03-942055	40	42	57	39	39	31	45
A03-943037	35	36	39	38	30	27	41
A03-943039	38	41	50	39	33	28	39
A03-946005	32	34	39	34	30	26	37
A03-946006	34	38	43	36	31	28	40
CL00-0956	38	40	45	40	35	31	41
CL00-15774	35	36	45	36	32	27	41
E02078	29	32	40	27	26	22	37
E02080	25	27	37	26	20	16	25
HC99-36PR	23	25	28	22	21	13	25
HC99-314	22	22	25	20	19	16	26
HC99-1023	21	23	24	22	19	16	24
HC00-672	38	38	45	34	34	32	43
HC01-25	21	24	24	23	21	15	24
HC01-214	21	21	26	20	21	14	23
HS1-3710	35	34	41	37	32	29	38
HS1-3717	35	35	37	37	31	27	39
HS1-3661	34	35	42	36	30	27	39
HS1-3886	34	36	42	34	31	26	40
HS1-6811	35	37	42	39	31	28	40
HF02-0804	36	34	48	37	33	29	42
LG00-6925	41	36	49	44	39	35	47
LG00-8298	34	37	40	38	28	27	36
LG01-2617	34	35	43	33	30	26	37
LG01-4067	35	36	42	36	33	29	39
LG01-4178	41	42	47	44	37	29	49
LG01-4918	36	39	47	40	31	28	36
LS01-1804	34	36	38	35	32	27	40
LS01-1987	35	37	43	34	34	30	39
U01-240136	40	39	49	42	38	30	47
U01-310412	39	40	50	43	36	32	40
U01-390127	37	38	44	42	27	32	42
U01-390274	27	28	34	29	24	16	39
U01-390495	29	32	38	29	25	18	35
U01-390784	27	32	35	27	23	16	34

PRELIMINARY TEST III, 2004

PLANT HEIGHT (inches)

Strain	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
IA3023 (III)	35			28	24
IA2065	31			25	20
Pana (SCN)	48			36	37
Macon (L)	37			33	30
Apex	24			26	13
IA3017	35			31	27
A03-941022	35			39	27
A03-941024	44			36	30
A03-941027	39			38	28
A03-941036	42			38	26
A03-941049	38			31	28
A03-942001	37			37	28
A03-942026	31			26	23
A03-942052	40			33	23
A03-942054	37			34	23
A03-942055	42			37	28
A03-943037	41			39	27
A03-943039	43			42	28
A03-946005	35			32	26
A03-946006	37			30	27
CL00-0956	40			38	30
CL00-15774	39			36	27
E02078	35			26	18
E02080	29			27	14
HC99-36PR	25			27	18
HC99-314	24			27	15
HC99-1023	26			26	14
HC00-672	40			41	33
HC01-25	22			25	14
HC01-214	25			26	14
HS1-3710	39			38	31
HS1-3717	39			39	30
HS1-3661	37			32	27
HS1-3886	37			35	26
HS1-6811	38			37	27
HF02-0804	38			37	31
LG00-6925	48			42	33
LG00-8298	37			33	29
LG01-2617	40			37	26
LG01-4067	38			34	29
LG01-4178	46			42	35
LG01-4918	40			34	30
LS01-1804	36			35	28
LS01-1987	38			38	27
U01-240136	44			42	29
U01-310412	44			41	29
U01-390127	42			38	28
U01-390274	27			30	18
U01-390495	31			34	22
U01-390784	27			26	22

PRELIMINARY TEST III, 2004

SEED SIZE (g/100)

Strain	Mean 11 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Butlerville IN	Ashland KS
IA3023 (III)	16.1	17.5	17.3	14.7	16.0	12.0	16.7
IA2065	16.2	17.0	17.6	15.0	14.7	14.2	17.7
Pana (SCN)	14.5	16.0	15.0	13.2	16.0	12.3	15.3
Macon (L)	17.5	19.7	19.4	16.0	17.7	13.2	18.3
Apex	15.4	16.5	16.5	15.1	14.7	12.5	15.5
IA3017	16.2	17.2	17.4	14.7	16.3	13.3	18.1
A03-941022	17.8	19.8	19.1	16.1	18.6	14.1	19.8
A03-941024	17.5	19.4	18.4	16.4	18.5	15.2	19.8
A03-941027	17.7	20.2	18.3	16.4	18.9	14.0	17.9
A03-941036	17.4	19.2	19.3	15.9	18.9	13.2	19.2
A03-941049	17.8	19.7	20.6	15.8	18.3	13.4	19.4
A03-942001	18.9	19.6	20.4	18.6	18.4	15.2	20.2
A03-942026	18.5	19.6	20.3	16.0	17.3	16.5	19.5
A03-942052	20.4	21.6	21.5	18.5	21.5	16.6	22.8
A03-942054	18.6	19.2	19.6	16.2	18.9	15.9	20.2
A03-942055	18.9	19.1	18.8	15.9	18.8	18.0	21.4
A03-943037	17.7	17.9	19.5	15.9	17.7	15.2	20.2
A03-943039	15.2	15.4	16.0	14.3	15.4	12.7	16.4
A03-946005	17.1	17.5	18.4	15.7	15.8	14.1	19.4
A03-946006	17.7	18.8	19.9	15.8	16.4	14.8	19.1
CL00-0956	14.8	17.0	15.5	13.6	15.7	14.3	14.8
CL00-15774	16.2	18.1	17.2	14.7	16.3	13.7	18.3
E02078	17.3	18.1	17.8	18.0	16.7	15.2	19.4
E02080	19.5	20.7	21.2	18.7	18.4	16.7	20.3
HC99-36PR	15.0	15.8	15.8	13.8	14.7	11.8	17.6
HC99-314	15.4	15.9	16.2	15.0	15.4	11.7	16.6
HC99-1023	15.7	17.5	17.4	15.7	15.5	13.0	15.8
HC00-672	16.8	18.1	17.5	16.4	16.9	15.0	18.2
HC01-25	17.0	18.5	19.3	16.1	16.3	13.1	18.7
HC01-214	15.3	14.6	14.8	14.9	16.1	11.7	16.4
HS1-3710	16.4	18.3	16.9	14.1	16.7	14.4	17.4
HS1-3717	16.1	17.9	17.3	14.4	15.9	14.2	17.7
HS1-3661	16.6	17.5	18.3	15.3	16.4	12.8	19.4
HS1-3886	17.4	18.5	18.1	16.9	18.5	15.0	18.1
HS1-6811	16.7	18.2	17.6	15.7	15.8	14.2	18.5
HF02-0804	18.5	19.5	20.0	16.8	18.9	16.7	19.7
LG00-6925	18.5	19.0	19.6	18.0	20.0	16.4	19.9
LG00-8298	18.1	20.8	19.5	17.9	18.3	13.1	18.6
LG01-2617	15.9	17.7	17.2	15.1	16.7	13.4	17.2
LG01-4067	16.5	18.7	17.5	16.5	17.3	13.4	16.9
LG01-4178	14.1	15.2	14.7	12.3	15.2	11.7	15.1
LG01-4918	16.0	18.6	17.5	14.7	16.0	12.0	17.4
LS01-1804	16.7	18.0	18.0	16.4	17.8	15.5	16.2
LS01-1987	15.2	16.0	16.0	14.3	16.3	14.0	16.4
U01-240136	17.2	17.6	18.6	16.5	16.3	15.3	18.5
U01-310412	16.7	18.0	16.9	14.8	17.1	11.9	19.5
U01-390127	16.0	17.9	16.4	15.1	15.6	15.1	16.5
U01-390274	18.2	19.5	18.3	15.7	17.1	13.5	21.3
U01-390495	18.9	19.6	19.9	18.5	18.4	15.7	21.1
U01-390784	17.7	18.3	19.1	15.5	17.5	13.3	20.4

PRELIMINARY TEST III, 2004

SEED SIZE (g/100)

Strain	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
IA3023 (III)	15.9	18.0	14.6	16.5	17.6
IA2065	16.0	18.1	14.5	16.7	16.4
Pana (SCN)	13.7	14.9	12.6	14.6	15.6
Macon (L)	18.2	18.2	17.2	17.9	16.6
Apex	15.3	17.3	14.1	15.4	16.3
IA3017	16.4	18.4	14.8	16.0	16.1
A03-941022	17.5	18.8	16.7	17.1	17.8
A03-941024	17.1	16.6	15.9	17.6	17.6
A03-941027	17.0	18.9	16.2	17.6	19.4
A03-941036	16.6	18.4	15.8	16.9	18.0
A03-941049	18.1	19.1	16.3	17.7	17.3
A03-942001	18.2	20.9	17.6	18.7	20.3
A03-942026	19.2	21.3	17.8	17.9	18.6
A03-942052	21.6	22.1	19.1	19.3	20.2
A03-942054	18.5	20.8	18.2	18.0	19.4
A03-942055	18.6	21.0	16.7	20.0	20.0
A03-943037	17.2	19.3	17.5	15.9	18.4
A03-943039	14.8	18.0	15.0	14.6	14.3
A03-946005	17.6	20.1	15.4	15.8	17.8
A03-946006	18.3	18.6	16.5	17.9	18.2
CL00-0956	13.7	15.5	13.2	13.7	15.7
CL00-15774	15.5	16.8	15.1	16.0	17.0
E02078	17.4	16.5	16.3	18.3	16.9
E02080	20.6	20.5	19.6	20.2	18.0
HC99-36PR	15.2	15.5	13.6	15.7	16.1
HC99-314	15.8	16.4	14.8	14.5	17.2
HC99-1023	15.4	16.2	14.7	16.6	15.5
HC00-672	16.0	16.4	15.6	16.0	18.5
HC01-25	16.9	18.1	16.4	16.0	17.4
HC01-214	15.7	15.9	14.5	16.0	17.2
HS1-3710	17.0	16.7	15.4	16.7	17.3
HS1-3717	16.1	16.4	14.7	15.5	17.6
HS1-3661	16.8	18.2	14.6	16.0	17.0
HS1-3886	17.2	17.5	15.4	17.5	18.3
HS1-6811	16.2	18.3	15.3	16.3	17.6
HF02-0804	17.2	19.5	17.5	17.5	19.7
LG00-6925	18.0	18.1	17.2	18.8	18.7
LG00-8298	18.7	17.5	17.3	18.0	19.7
LG01-2617	15.6	16.2	14.4	14.7	17.2
LG01-4067	15.3	16.7	16.0	14.8	18.1
LG01-4178	14.2	15.0	13.1	14.2	14.8
LG01-4918	17.0	16.2	14.9	15.6	16.5
LS01-1804	15.3	18.2	14.9	15.6	18.4
LS01-1987	13.9	16.6	13.7	14.5	16.1
U01-240136	16.6	19.3	17.1	15.3	18.6
U01-310412	17.4	19.2	14.8	16.4	17.9
U01-390127	16.3	17.9	14.6	14.6	15.8
U01-390274	19.1	21.2	17.4	18.4	19.0
U01-390495	18.4	20.3	16.7	19.2	20.0
U01-390784	17.9	17.6	17.6	18.1	19.6

PRELIMINARY TEST III, 2004

SEED QUALITY (score)

Strain	Mean 6 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Butler ville IN	Ashland KS
IA3023 (III)	1.3			1.0	1.0	1.0	2.0
IA2065	1.3			1.0	1.0	1.0	2.0
Pana (SCN)	1.9			2.0	1.5	1.5	2.0
Macon (L)	1.3			1.0	1.0	1.0	2.0
Apex	1.5			2.0	1.0	1.0	2.0
IA3017	1.4			1.0	1.5	1.0	2.0
A03-941022	1.3			1.0	1.0	1.0	2.0
A03-941024	1.3			1.0	1.0	1.0	2.0
A03-941027	1.5			1.0	1.5	1.0	2.0
A03-941036	1.5			1.0	1.5	1.5	2.0
A03-941049	1.5			2.0	1.0	1.0	2.0
A03-942001	1.6			2.5	1.0	1.0	2.0
A03-942026	1.4			2.0	1.0	1.0	2.0
A03-942052	1.6			2.0	1.0	1.5	2.0
A03-942054	1.5			1.0	1.0	1.0	3.0
A03-942055	1.5			1.0	1.5	1.5	2.0
A03-943037	1.4			1.0	1.0	1.0	2.0
A03-943039	1.3			1.0	1.0	1.0	2.0
A03-946005	1.6			2.0	1.0	1.0	3.0
A03-946006	1.3			1.0	1.0	1.0	2.0
CL00-0956	1.4			1.0	1.0	1.0	2.0
CL00-15774	1.4			1.0	1.5	1.0	2.0
E02078	1.9			2.5	1.5	2.5	2.0
E02080	2.2			2.5	1.0	3.0	3.0
HC99-36PR	1.3			1.0	1.0	1.0	2.0
HC99-314	1.3			1.0	1.0	1.0	2.0
HC99-1023	1.3			1.0	1.0	1.0	2.0
HC00-672	1.4			1.0	1.0	1.0	2.0
HC01-25	1.3			1.0	1.0	1.0	2.0
HC01-214	1.5			1.0	1.0	1.0	2.0
HS1-3710	1.3			1.0	1.0	1.0	2.0
HS1-3717	1.3			1.0	1.0	1.0	2.0
HS1-3661	1.3			1.0	1.0	1.0	2.0
HS1-3886	1.3			1.0	1.0	1.0	2.0
HS1-6811	1.3			1.0	1.0	1.0	2.0
HF02-0804	1.3			1.0	1.0	1.0	2.0
LG00-6925	1.9			2.0	2.0	1.0	3.0
LG00-8298	1.4			1.0	1.5	1.0	2.0
LG01-2617	1.3			1.0	1.0	1.0	2.0
LG01-4067	1.6			2.0	1.5	1.0	2.0
LG01-4178	1.4			1.0	1.0	1.0	2.0
LG01-4918	1.3			1.0	1.0	1.0	2.0
LS01-1804	1.5			2.0	1.0	1.0	2.0
LS01-1987	1.3			1.0	1.0	1.0	2.0
U01-240136	1.6			2.0	1.0	1.5	2.0
U01-310412	1.9			2.0	1.0	1.5	3.0
U01-390127	1.4			1.0	1.5	1.0	2.0
U01-390274	1.3			1.0	1.0	1.0	2.0
U01-390495	1.6			2.0	1.5	1.5	2.0
U01-390784	1.3			1.0	1.0	1.0	2.0

PRELIMINARY TEST III, 2004

SEED QUALITY (score)

Strain	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
IA3023 (III)				1.5	1.5
IA2065				1.3	1.5
Pana (SCN)				2.1	2.0
Macon (L)				1.3	1.3
Apex				1.3	1.5
IA3017				1.5	1.5
A03-941022				1.5	1.5
A03-941024				1.3	1.5
A03-941027				1.7	1.5
A03-941036				1.5	1.3
A03-941049				1.6	1.5
A03-942001				1.5	1.3
A03-942026				1.4	1.0
A03-942052				1.6	1.3
A03-942054				1.6	1.3
A03-942055				1.5	1.5
A03-943037				2.3	1.3
A03-943039				1.5	1.5
A03-946005				1.3	1.3
A03-946006				1.3	1.5
CL00-0956				1.3	2.0
CL00-15774				1.3	1.3
E02078				1.3	1.5
E02080				2.2	1.5
HC99-36PR				1.6	1.3
HC99-314				1.5	1.5
HC99-1023				1.3	1.5
HC00-672				1.9	1.5
HC01-25				1.3	1.5
HC01-214				2.1	2.0
HS1-3710				1.3	1.5
HS1-3717				1.3	1.5
HS1-3661				1.3	1.3
HS1-3886				1.5	1.5
HS1-6811				1.3	1.3
HF02-0804				1.4	1.5
LG00-6925				1.9	1.5
LG00-8298				1.3	1.3
LG01-2617				1.3	1.5
LG01-4067				1.3	1.5
LG01-4178				1.3	1.8
LG01-4918				1.3	1.3
LS01-1804				1.4	1.3
LS01-1987				1.3	1.5
U01-240136				1.3	1.5
U01-310412				1.8	1.8
U01-390127				1.3	1.5
U01-390274				1.3	1.5
U01-390495				1.3	1.5
U01-390784				1.3	1.3

PRELIMINARY TEST III, 2004

PROTEIN (%)

Strain	Mean 5 Tests	Ames IA	Urbana IL	Lafayette IN	Butler IN	Hoytville OH
IA3023 (III)	38.8	38.5	38.6	37.4	40.1	39.1
IA2065	39.2	39.4	38.7	37.6	40.3	40.0
Pana (SCN)	39.7	40.5	39.5	39.2	40.7	38.6
Macon (L)	39.7	40.1	38.8	39.1	40.1	40.2
Apex	39.5	39.2	40.4	39.7	38.7	39.6
IA3017	40.5	39.5	40.7	40.2	41.7	40.6
A03-941022	41.9	42.2	41.3	42.4	41.9	41.7
A03-941024	40.4	40.4	39.9	40.7	41.1	40.0
A03-941027	40.9	41.4	40.8	40.1	42.1	39.9
A03-941036	40.7	40.7	40.0	40.8	41.5	40.6
A03-941049	40.4	41.2	40.0	40.4	41.1	39.1
A03-942001	41.4	41.2	42.1	41.0	42.5	40.4
A03-942026	41.3	41.1	41.3	40.5	42.6	40.9
A03-942052	43.2	41.2	41.1	49.4	42.8	41.6
A03-942054	40.8	41.1	41.0	40.3	41.7	39.8
A03-942055	41.4	41.3	41.4	39.5	43.4	41.5
A03-943037	41.6	41.7	41.4	41.4	41.9	41.8
A03-943039	40.1	39.4	39.3	40.2	41.0	40.4
A03-946005	39.2	39.5	39.2	38.8	40.1	38.5
A03-946006	40.7	41.0	40.6	39.8	42.4	39.6
CL00-0956	41.5	41.3	41.1	41.9	43.2	39.8
CL00-15774	39.5	39.7	38.9	39.4	39.7	39.8
E02078	42.9	41.1	43.6	41.1	44.5	44.3
E02080	42.6	42.0	42.7	39.9	45.5	43.1
HC99-36PR	40.3	38.6	41.6	40.1	40.7	40.5
HC99-314	40.1	39.3	40.4	40.3	40.1	40.2
HC99-1023	39.9	39.2	40.8	39.5	40.4	39.4
HC00-672	41.3	40.4	41.4	40.8	42.4	41.6
HC01-25	39.1	38.7	40.2	38.4	40.8	37.3
HC01-214	40.6	39.6	41.2	41.9	40.3	40.1
HS1-3710	40.8	40.7	40.9	39.7	42.1	40.4
HS1-3717	40.2	40.2	40.0	39.6	41.5	39.4
HS1-3661	39.2	39.1	38.6	39.0	40.6	38.8
HS1-3886	38.9	34.6	40.4	39.3	40.4	40.1
HS1-6811	40.8	41.0	40.0	40.7	41.6	40.9
HF02-0804	40.2	40.0	39.6	39.9	41.7	39.6
LG00-6925	40.0	38.2	39.6	40.4	42.0	39.9
LG00-8298	39.8	39.4	38.7	40.7	40.7	39.4
LG01-2617	42.0	41.8	41.4	42.4	43.1	41.2
LG01-4067	40.9	41.8	40.1	41.4	41.3	40.1
LG01-4178	42.2	41.7	41.2	43.0	44.0	41.1
LG01-4918	38.8	38.7	37.3	40.0	40.2	38.0
LS01-1804	41.3	41.5	41.5	41.3	42.1	39.9
LS01-1987	39.9	39.0	39.8	40.2	40.5	39.9
U01-240136	40.0	40.5	39.3	39.6	40.6	39.8
U01-310412	37.8	38.3	37.3	36.8	37.6	39.0
U01-390127	39.7	39.7	39.7	39.3	40.4	39.3
U01-390274	38.9	38.5	38.9	37.2	40.9	39.0
U01-390495	40.0	40.6	40.2	39.0	40.7	39.7
U01-390784	40.1	39.5	40.9	39.7	40.8	39.6

PRELIMINARY TEST III, 2004

OIL (%)

Strain	Mean 5 Tests	Ames IA	Urbana IL	Lafayette IN	Butler IN	Hoytville OH
IA3023 (III)	19.1	19.1	19.8	19.2	18.6	18.6
IA2065	20.4	20.8	19.6	21.3	20.0	20.4
Pana (SCN)	19.5	19.3	19.5	19.9	19.2	19.6
Macon (L)	19.0	18.8	20.6	18.6	18.9	18.1
Apex	18.7	19.2	18.9	18.0	18.8	18.8
IA3017	19.7	19.7	20.2	19.9	19.5	19.1
A03-941022	18.8	17.9	19.7	19.7	18.4	18.1
A03-941024	19.2	18.3	20.0	19.5	19.5	18.9
A03-941027	18.7	18.5	19.4	19.1	18.0	18.7
A03-941036	18.6	17.7	20.1	19.1	17.7	18.3
A03-941049	19.3	18.6	20.2	19.7	19.0	19.3
A03-942001	19.2	18.8	20.0	19.6	18.9	18.8
A03-942026	19.4	19.3	20.2	19.7	19.6	18.4
A03-942052	18.1	18.8	20.0	14.0	19.0	18.6
A03-942054	18.5	18.1	19.0	18.9	18.2	18.4
A03-942055	18.9	18.4	19.9	19.0	17.9	18.9
A03-943037	18.1	17.5	18.5	19.2	17.9	17.4
A03-943039	20.1	19.3	20.7	19.8	19.2	21.5
A03-946005	19.8	19.7	20.8	19.0	19.6	20.1
A03-946006	19.9	19.4	20.4	20.8	19.1	19.9
CL00-0956	19.5	19.5	20.2	19.3	19.3	19.4
CL00-15774	19.6	18.9	20.8	20.1	19.5	18.8
E02078	18.1	17.9	19.1	18.7	17.0	17.6
E02080	18.8	18.4	19.7	19.7	17.7	18.5
HC99-36PR	19.3	19.5	20.1	19.4	18.6	19.0
HC99-314	19.7	19.8	20.9	19.7	19.2	18.7
HC99-1023	19.5	19.4	20.7	19.5	18.9	19.1
HC00-672	19.2	18.8	19.4	19.9	19.1	18.6
HC01-25	18.9	19.3	19.1	19.3	18.7	18.2
HC01-214	18.9	19.1	19.8	19.0	18.5	18.1
HS1-3710	18.9	18.9	19.6	19.3	18.5	18.1
HS1-3717	18.8	18.2	18.6	19.6	19.2	18.2
HS1-3661	19.4	18.9	20.0	19.8	18.7	19.6
HS1-3886	18.8	17.4	19.7	20.0	18.6	18.2
HS1-6811	19.1	18.4	20.0	19.8	18.7	18.7
HF02-0804	20.1	19.5	20.1	20.5	20.1	20.0
LG00-6925	19.6	19.9	20.0	19.6	19.3	19.3
LG00-8298	19.2	18.8	20.1	19.4	18.2	19.3
LG01-2617	20.5	19.9	21.2	20.8	20.0	20.4
LG01-4067	19.1	19.2	19.7	18.9	18.9	18.7
LG01-4178	18.6	18.7	19.0	18.4	17.6	18.9
LG01-4918	19.9	20.4	21.1	19.4	18.9	19.5
LS01-1804	18.4	17.5	19.1	19.1	17.9	18.1
LS01-1987	18.2	18.9	18.3	17.5	18.4	17.9
U01-240136	18.7	18.4	20.0	19.0	18.3	17.9
U01-310412	19.9	19.3	20.8	20.6	20.0	18.9
U01-390127	19.1	18.9	19.4	19.4	18.7	18.8
U01-390274	19.8	19.5	19.9	20.8	18.9	19.9
U01-390495	19.3	17.7	20.1	20.5	18.9	19.4
U01-390784	19.4	19.6	20.4	20.2	18.9	18.2

Uniform Test IV, 2004

Ent.	Strain	Parentage	Previous Testing	Generation Compositied	Unique Traits
1.	LN97-15076 (IV)	Macon x Stressland	3	F5	
2.	LS93-0375 (SCN)	Asgrow A3935 x Pioneer P9402	3	F6	SCN
3.	Macon (III)	Sherman x Resnik	8	F5	
4.	Strong (dt1)	Sprite 87 x HC85-6577	4	F5	dt1
5.	HC97-1691	Stressland x HC89-2237	2	F4	Dt1
6.	HC99-1261	HC93-21PR x [Jack (2) x Charleston BC]	1	BC1F3	dt1
7.	HC99-2752	DPL-3478 x Stressland	1	F5	Dt1
8.	HC99-2762	DPL-3478 x Stressland	1	F5	Dt1
9.	HC99-2763	DPL 3478 x Stressland	SCN PT IV	F5	SCN
10.	K1599	DekalbBCX445 x NK S46-44	PTIV	F5	
11.	LD00-3309	Maverick x Dwight	SCN PTIII	F5	
12.	LG00-6293	PI 574.480 X PI 574.477	PTIV	F6	
13.	LG01-4762	Macon X PI 438.205	PTIIIB	F5	
14.	LS98-0582	Northup King 46-44 x Asgrow 4138	2	F6	SCN
15.	LS00-0716	LS92-0185 x Dekalb 411	PTIV	F6	SCN
16.	LS00-2920	LS92-4173 x Asgrow 4138	PTIV	F6	SCN

UNIFORM TEST IV, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Chlorosis</u>	<u>FE</u>	<u>Green Stem</u>	<u>Shattering</u>
		Score Wilkin Co. MN	Score Portageville MO	Score Pine Tree AR	Score Manhattan KS
LN97-15076 (IV)	WTBDYBII	4.6	0.0	2.3	1.0
LS93-0375 (SCN)	PTBDYBII	4.7	6.0	1.5	1.0
Macon (III)	WTBIYBII	4.6	6.5	1.7	1.0
Strong (dt1)	WTTDYBID	3.8	0.5	1.0	1.0
HC97-1691	PTTDYBII	4.4	6.5	2.0	1.0
HC99-1261	WTTDYBI+BrD	4.8	0.0	1.0	1.0
HC99-2752	PLtBDYBII	4.8	6.5	1.7	2.0
HC99-2762	PLtTDYBII	4.8	2.5	2.3	1.0
HC99-2763	PLtTDYBII	4.6	2.0	2.0	1.0
K1599	P+WTBDYBII	4.3	6.5	2.3	1.0
LD00-3309	PTBDYBII	4.6	6.0	2.0	1.0
LG00-6293	PTBDYBII	4.3	5.0	1.0	1.0
LG01-4762	WTBDYBII	4.8	6.0	1.7	1.0
LS98-0582	WTTDYBII	4.6	6.5	2.0	1.0
LS00-0716	WTTDYBII	4.3	4.5	3.0	1.0
LS00-2920	WTTDYBII	4.3	5.5	2.3	1.0

UNIFORM TEST IV, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	<u>PR</u>		<u>SDS</u>		<u>PS</u>	<u>FE</u>
	Lafayette		Valmeyer	Carmi	Lafayette	
	Race 4	Race 7	IL DX	IL DX	a %	n
LN97-15076 (IV)	S	S	28	12	7	
LS93-0375 (SCN)	S	R	12	2	5	S
Macon (III)	S	S	14	7	15	S
Strong (dt1)	S	R	5	1	3	
HC97-1691	H	S	46	9	5	S
HC99-1261	S	S	2	3	9	
HC99-2752	S	S	19	6	2	S
HC99-2762	S	S	16	7	0	S
HC99-2763	S	R	17	2	2	S
K1599	S	R	33	8	3	S
LD00-3309	S	S	5	3	1	S
LG00-6293	S	S	30	13	1	S
LG01-4762	S	S	12	6	0	S
LS98-0582	R	R	7	3	0	S
LS00-0716	S	S	9	0	8	S
LS00-2920	S	S	2	1	15	S

Frogeye Leaf Spot S = susceptible, blank = lesions not detected

UNIFORM TEST IV, 2004

REGIONAL SUMMARY

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant	Seed	Seed	Green	<u>Composition</u>	
	14 bu/a	14 No.	15 Date	15 Score	15 Height In.	13 Size g/100	13 Quality Score	22 Stem Score	5 Protein %	5 Oil %
LN97-15076 (IV)	61.0	8	9/24	2.0	36	16.8	1.6	2.3	42.1	19.0
LS93-0375 (SCN)	62.3	5	0.7	1.6	35	16.6	1.6	1.5	41.1	18.6
Macon (III)	59.6	11	-4.5	1.8	32	17.8	1.6	1.7	40.2	19.6
Strong (dt1)	50.9	16	-2.2	1.1	21	17.9	1.7	1.0	40.8	19.5
HC97-1691	60.6	10	-0.3	2.4	38	13.8	1.5	2.0	42.5	20.2
HC99-1261	52.6	15	-3.2	1.2	20	14.4	1.4	1.0	40.5	19.4
HC99-2752	62.7	4	1.8	2.4	39	15.8	1.6	1.7	41.3	19.2
HC99-2762	62.9	3	-3.0	1.7	33	17.6	1.7	2.3	41.3	20.2
HC99-2763	65.5	2	-0.4	2.0	34	16.8	1.4	2.0	41.0	20.0
K1599	60.8	9	4.7	1.3	37	14.6	1.4	2.3	40.1	18.7
LD00-3309	67.4	1	1.5	1.6	34	13.7	1.7	2.0	40.2	19.0
LG00-6293	59.3	12	0.4	2.5	38	18.0	1.6	1.0	40.9	18.8
LG01-4762	56.8	14	-3.1	1.9	33	17.2	1.5	1.7	40.0	19.6
LS98-0582	61.1	7	3.5	2.2	38	15.2	1.8	2.0	40.5	18.4
LS00-0716	61.2	6	2.8	1.8	40	17.6	1.5	3.0	40.9	19.1
LS00-2920	58.9	13	5.3	2.6	36	15.6	1.7	2.3	39.7	18.4

129.3 Days After Planting

UNIFORM TEST IV, 2004

2003-2004 2-YEAR MEAN

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	Green Stem	<u>Composition</u>	
	29 bu/a	29 No.	29 Date	29 Score	30 In.	27 g/100	26 Score	Score	Protein 10 %	Oil 10 %
LN97-15076 (IV)	56.5	4	9/28	1.8	35	16.2	1.6	0.0	41.5	19.6
LS93-0375 (SCN)	55.4	6	0.2	1.5	33	16.0	1.7	0.0	41.0	19.1
Macon (III)	55.1	7	-4.4	1.7	31	16.8	1.7	0.0	40.5	19.9
Strong (dt1)	45.8	10	-1.6	1.2	20	17.0	1.7	0.0	40.7	20.0
HC97-1691	55.6	5	0.3	2.3	36	13.4	1.6	0.0	42.3	20.4
HC99-1261	49.3	9	-2.4	1.3	21	14.0	1.5	0.0	40.5	19.6
HC99-2752	56.6	3	1.8	2.2	35	15.4	1.6	0.0	41.0	19.6
HC99-2762	57.1	2	-2.5	1.6	31	17.0	1.7	0.0	41.2	20.3
HC99-2763	59.2	1	-0.4	1.6	32	16.0	1.6	0.0	40.8	20.3
LS98-0582	54.9	8	2.8	2.0	36	14.7	1.7	0.0	40.5	19.0

129.5 Days After Planting

2002-2004 3-YEAR MEAN

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	Green Stem	<u>Composition</u>	
	43 bu/a	43 No.	43 Date	44 Score	45 In.	41 g/100	40 Score	Score	Protein 14 %	Oil 14 %
LN97-15076 (IV)	54.6	1	9/27	1.7	35	16.0	1.8	1.5	41.5	19.8
LS93-0375 (SCN)	53.3	4	0.1	1.4	33	16.1	1.8	1.5	41.1	19.4
Macon (III)	52.6	5	-3.8	1.6	31	16.6	1.8	1.1	40.7	20.2
Strong (dt1)	44.0	6	-1.6	1.1	19	17.0	2.0	1.6	41.4	20.1
HC97-1691	53.7	2	0.1	2.1	37	13.2	1.8	1.5	42.5	20.6
LS98-0582	53.7	2	2.4	1.8	36	14.7	1.8	1.0	40.8	19.0

128.2 Days After Planting

UNIFORM TEST IV, 2004

YIELD (bu/a)

Strain	Mean 14 Tests	Pinetree* irrigated AR	Rohwer* irrigated AR	Georgetown DE	Belleville IL	Harrisburg IL	Newtown IL	Urbana IL	Lafayette IN
LN97-15076 (IV)	61.0	68.1	82.1	60.7	51.7	65.3	55.6	63.0	53.8
LS93-0375 (SCN)	62.3	68.0	86.6	69.9	59.3	64.4	68.0	65.1	61.2
Macon (III)	59.6	67.8	70.0	65.4	49.6	60.5	44.7	59.8	52.6
Strong (dt1)	50.9	45.1	66.7	50.7	23.7	69.7	52.6	51.7	55.1
HC97-1691	60.6	70.8	82.7	57.1	40.7	70.2	55.7	63.4	61.5
HC99-1261	52.6	58.4	64.6	58.3	27.9	75.3	57.9	56.8	62.5
HC99-2752	62.7	76.0	78.9	59.9	52.8	69.0	55.7	61.8	59.5
HC99-2762	62.9	78.6	84.5	68.7	50.6	69.2	59.1	66.1	59.5
HC99-2763	65.5	79.6	78.5	66.2	55.9	79.6	68.4	62.3	61.2
K1599	60.8	65.8	76.0	65.4	43.1	68.2	67.5	62.3	57.5
LD00-3309	67.4	60.6	71.8	70.9	66.8	76.0	70.0	75.7	64.7
LG00-6293	59.3	77.5	83.1	58.1	48.2	61.5	60.0	59.7	61.2
LG01-4762	56.8	64.2	75.5	56.9	45.2	58.3	44.0	61.3	54.8
LS98-0582	61.1	69.0	69.5	65.6	59.3	63.9	54.9	67.4	61.5
LS00-0716	61.2	72.6	81.7	67.9	61.5	67.3	68.0	61.6	56.2
LS00-2920	58.9	69.8	75.3	62.8	65.1	62.9	55.5	61.4	56.4
C.V. (%)		10.1	14.8	8.2	9.7	7.0	7.7	3.2	4.8
L.S.D. (5%)		13.2	20.0	8.6	8.2	7.9	6.2	5.3	4.7
Row Sp. (In.)		6.5	6.5	15.0	30	30	30	30	24
Rows/Plot		9	9	5	4	4	4	4	4
Reps		3	3	3	3	3	3	3	3

*Data not included in mean.

UNIFORM TEST IV, 2004

YIELD (bu/a)

Strain	Butlerville	Ashland	Manhattan	Lexington	Queenstown	Columbia	Portageville	Portageville	South
	IN	KS	KS	KY	MD	MO	(Clay) MO	(Loam) MO	Charleston OH
LN97-15076 (IV)	53.8	67.4	58.2	82.5	63.0		54.4	63.1	62.1
LS93-0375 (SCN)	53.4	63.9	56.6	81.9	60.2		41.9	66.1	60.3
Macon (III)	47.9	72.3	55.4	82.1	65.7		47.9	64.9	65.8
Strong (dt1)	39.2	63.9	48.9	67.9	56.5		24.1	42.4	66.3
HC97-1691	51.5	66.4	53.8	81.1	62.2		58.3	57.6	69.1
HC99-1261	40.4	70.6	49.6	62.3	53.3		24.8	41.3	55.6
HC99-2752	55.6	70.5	57.2	85.3	62.4		59.5	64.1	63.9
HC99-2762	53.5	69.3	55.3	82.5	65.1		52.4	66.3	62.9
HC99-2763	53.9	74.4	48.8	87.7	62.8		63.6	71.1	61.5
K1599	51.8	68.4	55.5	89.4	60.8		46.5	58.9	55.9
LD00-3309	48.1	68.0	54.5	87.4	60.9		53.8	72.7	73.6
LG00-6293	54.6	60.6	52.5	84.3	59.5		56.8	51.8	61.2
LG01-4762	45.8	73.5	51.0	78.9	54.5		40.9	66.3	64.0
LS98-0582	48.7	66.3	55.1	86.0	58.0		50.5	57.3	61.0
LS00-0716	53.1	59.7	47.7	81.0	57.6		51.2	58.2	65.2
LS00-2920	41.1	64.6	42.5	80.9	57.5		54.1	61.4	58.3
C.V. (%)	8.5	3.5	6.3	5.5	6.8		8.9	7.5	9.2
L.S.D. (5%)	7.0	4.0	5.5	6.2	6.8		6.0	6.2	ns
Row Sp. (In.)	26	30	30	16	24	30	30	30	15
Rows/Plot	4	2	2	6	4	4	4	4	6
Reps	3	3	3	3	3	3	3	3	3

UNIFORM TEST IV, 2004

YIELD RANK

Strain	Yield Rank	Pinetree* irrigated AR	Rohwer* irrigated AR	Georgetown DE	Belleville IL	Harrisburg IL	Newtown IL	Urbana IL	Lafayette IN
LN97-15076 (IV)	8	9	5	10	8	10	11	6	15
LS93-0375 (SCN)	5	10	1	2	4	11	4	4	5
Macon (III)	11	11	13	7	10	15	15	13	16
Strong (dt1)	16	16	15	16	16	5	14	16	13
HC97-1691	10	6	4	14	14	4	9	5	3
HC99-1261	15	15	16	12	15	3	8	15	2
HC99-2752	4	4	7	11	7	7	9	9	8
HC99-2762	3	2	2	3	9	6	7	3	8
HC99-2763	2	1	8	5	6	1	2	7	5
K1599	9	12	9	7	13	8	5	7	10
LD00-3309	1	14	12	1	1	2	1	1	1
LG00-6293	12	3	3	12	11	14	6	14	5
LG01-4762	14	13	10	15	12	16	16	12	14
LS98-0582	7	8	14	6	4	12	13	2	3
LS00-0716	6	5	6	4	3	9	3	10	12
LS00-2920	13	7	11	9	2	13	12	11	11

*Data not included in mean.

UNIFORM TEST IV, 2004

YIELD RANK

Strain	Butlerville IN	Ashland KS	Manhattan KS	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LN97-15076 (IV)	4	9	1	7	3		5	8	9
LS93-0375 (SCN)	6	13	3	10	9		13	5	13
Macon (III)	12	3	5	9	1		11	6	4
Strong (dt1)	16	13	13	15	14		16	15	3
HC97-1691	9	10	9	11	6		3	12	2
HC99-1261	15	4	12	16	16		15	16	16
HC99-2752	1	5	2	5	5		2	7	7
HC99-2762	5	6	6	7	2		8	3	8
HC99-2763	3	1	14	2	4		1	2	10
K1599	8	7	4	1	8		12	10	15
LD00-3309	11	8	8	3	7		7	1	1
LG00-6293	2	15	10	6	10		4	14	11
LG01-4762	13	2	11	14	15		14	3	6
LS98-0582	10	11	7	4	11		10	13	12
LS00-0716	7	16	15	12	12		9	11	5
LS00-2920	14	12	16	13	13		6	9	14

UNIFORM TEST IV, 2004

MATURITY (date)

Strain	Mean 15 Tests	Pinetree* irrigated AR	Rohwer* irrigated AR	Georgetown DE	Belleville IL	Harrisburg IL	Newtown IL	Urbana IL	Lafayette IN
LN97-15076 (IV)	9/24	8/30	8/11	9/29	9/17	9/21	9/21	9/21	10/5
LS93-0375 (SCN)	0.7	3	5	-2	2	1	4	0	0
Macon (III)	-4.5	-3	3	1	-3	-4	-7	-8	-6
Strong (dt1)	-2.2	-6	2	1	-4	-1	-2	-3	1
HC97-1691	-0.3	-1	2	-4	-1	2	2	-2	2
HC99-1261	-3.2	-7	3	-2	-3	-2	-2	-3	-2
HC99-2752	1.8	3	3	1	3	3	5	1	1
HC99-2762	-3.0	0	2	-2	-2	-3	-3	-5	-3
HC99-2763	-0.4	-2	2	-4	2	-0	2	-2	1
K1599	4.7	3	2	1	4	4	6	4	4
LD00-3309	1.5	2	0	0	3	2	4	-1	1
LG00-6293	0.4	2	3	-2	-1	0	4	-2	2
LG01-4762	-3.1	0	0	-1	-2	-4	-6	-6	-3
LS98-0582	3.5	1	4	0	2	5	5	2	5
LS00-0716	2.8	6	1	-4	4	6	7	0	3
LS00-2920	5.3	5	4	-4	6	9	8	4	6
Date Planted	5/18	5/4	4/20	5/20	5/7	5/20	5/11	5/6	6/2
Days to Mature	129	118	113	132	133	124	133	138	125

*Data not included in mean.

UNIFORM TEST IV, 2004

MATURITY (date)

Strain	Butler	Ashland	Manhattan	Lexington	Queenstown	Columbia	Portageville	Portageville	South
	ville IN	KS	KS	KY	MD	MO	(Clay) MO	(Loam) MO	Charleston OH
LN97-15076 (IV)	9/18	9/30	10/2	9/22	9/28	10/2	9/16	9/13	9/29
LS93-0375 (SCN)	4	-2	0	-1	2	2	-2	1	1
Macon (III)	-6	-4	-5	-6	0	-5	-4	-1	-9
Strong (dt1)	-5	2	-0	-3	-4	-3	-4	-1	-6
HC97-1691	0	0	-0	-1	0	-1	1	-1	0
HC99-1261	-6	-3	-3	-6	-3	-5	-3	1	-6
HC99-2752	0	2	2	-1	2	0	4	3	1
HC99-2762	-4	-4	-3	-7	0	-1	-2	-2	-4
HC99-2763	-1	-1	-1	-4	0	1	1	2	-1
K1599	5	7	10	3	6	5	4	7	0
LD00-3309	-1	2	2	0	2	4	3	1	1
LG00-6293	-1	-0	1	-1	3	3	1	0	-1
LG01-4762	-6	-3	-2	-6	2	-3	3	0	-8
LS98-0582	3	7	6	6	5	3	1	3	-1
LS00-0716	2	6	6	2	2	3	2	3	0
LS00-2920	5	7	9	4	5	5	5	7	4
Date Planted	5/12	5/26	5/27	5/11	5/25	6/3	5/8	5/19	5/11
Days to Mature	129	127	128	134	126	121	131	117	141

UNIFORM TEST IV, 2004

LODGING (score)

Strain	Mean 15 Tests	Pinetree* irrigated AR	Rohwer* irrigated AR	Georgetown DE	Belleville IL	Harrisburg IL	Newtown IL	Urbana IL	Lafayette IN
LN97-15076 (IV)	2.0	1.7	1.0	1.0	1.5	3.0	3.8	1.5	1.0
LS93-0375 (SCN)	1.6	1.8	1.0	1.0	1.5	2.0	2.8	1.5	1.0
Macon (III)	1.8	1.3	1.0	2.0	1.0	2.8	4.5	1.5	1.0
Strong (dt1)	1.1	1.0	1.0	1.0	1.0	1.0	1.8	1.0	1.0
HC97-1691	2.4	2.2	1.0	2.0	1.3	3.2	4.3	1.8	1.2
HC99-1261	1.2	1.0	1.0	1.0	1.0	1.0	1.7	1.3	1.5
HC99-2752	2.4	2.0	1.0	2.0	1.7	3.2	4.7	1.8	1.0
HC99-2762	1.7	1.5	1.0	2.0	1.0	2.3	3.5	1.5	1.0
HC99-2763	2.0	1.8	1.0	2.0	1.0	2.8	4.2	2.0	1.0
K1599	1.3	1.5	1.0	1.0	1.0	1.2	2.3	1.5	1.0
LD00-3309	1.6	2.3	1.0	2.0	1.0	2.3	3.5	1.7	1.0
LG00-6293	2.5	1.5	1.0	2.0	1.5	3.8	4.8	2.2	1.2
LG01-4762	1.9	1.5	1.0	2.0	1.0	3.2	4.3	1.5	1.0
LS98-0582	2.2	1.8	1.0	1.0	1.8	2.8	4.7	2.0	1.2
LS00-0716	1.8	1.8	1.0	1.0	1.3	2.2	4.0	1.7	1.0
LS00-2920	2.6	2.0	1.0	4.0	2.0	3.8	3.8	2.2	1.0

*Data not included in mean.

UNIFORM TEST IV, 2004

LODGING (score)

Strain	Butlerville IN	Ashland KS	Manhattan KS	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LN97-15076 (IV)	1.0	2.3	2.7	2.8	3.2	2.0	1.0	2.0	1.2
LS93-0375 (SCN)	1.0	2.0	1.7	1.2	2.7	2.0	1.0	1.0	1.1
Macon (III)	1.0	2.0	2.3	1.0	3.3	2.0	1.0	1.0	1.0
Strong (dt1)	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0
HC97-1691	1.7	3.0	3.0	3.5	3.3	3.0	1.0	2.0	1.6
HC99-1261	1.0	1.0	1.0	1.0	1.3	2.0	1.0	1.0	1.0
HC99-2752	1.8	3.0	2.7	3.0	3.5	3.0	1.5	1.5	1.3
HC99-2762	1.0	2.3	2.3	1.0	2.8	2.0	1.0	1.0	1.0
HC99-2763	1.3	2.3	2.0	2.5	3.3	2.0	1.0	2.0	1.1
K1599	1.0	2.0	1.0	1.3	2.2	1.0	1.0	1.0	1.0
LD00-3309	1.0	2.3	1.7	1.0	3.0	1.0	1.0	1.0	1.0
LG00-6293	1.7	3.0	3.0	3.8	3.8	2.0	1.0	2.0	1.4
LG01-4762	1.0	2.3	2.7	1.0	3.7	2.0	1.0	1.0	1.1
LS98-0582	1.3	3.0	2.7	2.8	3.2	3.0	1.0	1.5	1.2
LS00-0716	1.3	3.0	1.7	2.0	3.0	1.0	1.0	1.0	1.1
LS00-2920	1.5	3.0	3.7	4.0	3.5	3.0	1.0	1.5	1.7

UNIFORM TEST IV, 2004

PLANT HEIGHT (inches)

Strain	Mean 15 Tests	Pinetree* irrigated AR	Rohwer* irrigated AR	Georgetown DE	Belleville IL	Harrisburg IL	Newtown IL	Urbana IL	Lafayette IN
LN97-15076 (IV)	36	31	33	32	31	43	39	39	37
LS93-0375 (SCN)	35	27	33	40	29	40	37	38	36
Macon (III)	32	24	28	34	27	41	33	35	31
Strong (dt1)	21	14	21	24	14	25	20	27	25
HC97-1691	38	29	33	38	30	47	40	40	39
HC99-1261	20	15	20	26	13	26	20	25	26
HC99-2752	39	31	33	37	33	46	37	40	40
HC99-2762	33	25	33	36	28	39	32	35	31
HC99-2763	34	27	32	36	27	42	32	36	35
K1599	37	32	34	34	27	45	39	38	37
LD00-3309	34	31	33	35	29	40	35	38	33
LG00-6293	38	30	35	36	29	47	41	40	42
LG01-4762	33	25	29	32	25	41	32	35	32
LS98-0582	38	30	31	36	29	45	39	42	40
LS00-0716	40	27	37	39	35	49	42	42	41
LS00-2920	36	31	35	33	31	40	33	37	37

*Data not included in mean.

UNIFORM TEST IV, 2004

PLANT HEIGHT (inches)

Strain	Butlerville IN	Ashland KS	Manhattan KS	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LN97-15076 (IV)	32	44	37	39	37	37	24	39	35
LS93-0375 (SCN)	30	44	36	37	35	33	25	34	33
Macon (III)	30	39	35	33	33	31	22	32	30
Strong (dt1)	17	26	23	21	19	26	9	13	20
HC97-1691	33	50	40	38	36	39	30	37	35
HC99-1261	17	25	20	19	18	26	10	12	16
HC99-2752	33	52	43	38	38	41	28	38	37
HC99-2762	27	42	35	33	33	35	24	29	30
HC99-2763	29	44	37	36	34	33	28	34	31
K1599	33	49	38	42	38	36	27	38	34
LD00-3309	29	43	33	37	34	33	24	32	29
LG00-6293	33	48	42	40	39	35	30	36	37
LG01-4762	30	40	34	33	35	34	21	36	31
LS98-0582	32	46	40	39	38	37	28	37	35
LS00-0716	36	50	39	43	41	40	29	40	37
LS00-2920	31	44	40	39	35	36	30	34	35

UNIFORM TEST IV, 2004

SEED SIZE (g/100)

Strain	Mean 13 Tests	Pinetree* irrigated AR	Rohwer* irrigated AR	Georgetown DE	Belleville IL	Harrisburg IL	Newtown IL	Urbana IL	Lafayette IN
LN97-15076 (IV)	16.8				14.2	16.3	14.9	15.2	18.8
LS93-0375 (SCN)	16.6				14.8	16.5	15.7	15.6	20.6
Macon (III)	17.8				14.9	17.5	15.8	18.0	20.2
Strong (dt1)	17.9				14.5	18.4	16.5	18.9	20.5
HC97-1691	13.8				11.9	13.9	11.9	12.8	16.6
HC99-1261	14.4				12.3	15.0	14.3	15.4	15.6
HC99-2752	15.8				14.2	15.5	14.3	15.6	16.8
HC99-2762	17.6				15.4	17.8	16.2	16.9	19.2
HC99-2763	16.8				14.7	16.7	14.8	16.1	18.5
K1599	14.6				13.5	15.1	13.0	14.0	15.8
LD00-3309	13.7				12.8	13.9	12.4	13.0	14.8
LG00-6293	18.0				14.8	17.6	16.0	16.5	20.4
LG01-4762	17.2				14.2	17.0	15.0	17.1	20.0
LS98-0582	15.2				13.8	15.6	13.7	14.0	17.1
LS00-0716	17.6				16.2	19.1	16.9	16.8	19.2
LS00-2920	15.6				14.0	16.1	14.7	15.1	17.0

*Data not included in mean.

UNIFORM TEST IV, 2004

SEED SIZE (g/100)

Strain	Butlerville IN	Ashland KS	Manhattan KS	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LN97-15076 (IV)	16.0	19.2	19.3	19.8	16.9		16.0	13.7	17.7
LS93-0375 (SCN)	16.7	18.2	17.6	19.1	15.6		14.7	13.4	17.5
Macon (III)	15.1	19.6	20.7	21.5	17.8		16.7	14.8	18.8
Strong (dt1)	15.4	19.1	19.9	20.6	17.0		15.4	16.0	20.4
HC97-1691	12.9	15.5	15.1	16.8	13.7		12.4	11.4	14.1
HC99-1261	12.3	16.6	15.7	17.5	13.3		12.2	11.6	15.9
HC99-2752	14.5	18.6	17.4	17.5	16.6		15.5	13.1	15.9
HC99-2762	14.7	20.0	19.3	21.7	17.7		16.9	15.5	18.0
HC99-2763	15.9	19.2	19.3	18.8	17.1		16.3	14.3	17.0
K1599	14.6	16.7	16.4	16.5	14.8		13.2	12.3	14.5
LD00-3309	12.2	15.3	15.2	15.7	14.7		12.6	11.4	14.6
LG00-6293	18.3	21.2	20.6	21.1	19.0		15.8	13.5	19.9
LG01-4762	14.3	19.6	20.1	20.5	18.0		15.8	14.3	18.2
LS98-0582	14.1	16.6	17.5	17.0	15.5		14.0	12.1	16.3
LS00-0716	16.1	19.9	18.4	19.5	18.1		16.2	15.0	17.8
LS00-2920	14.4	18.1	17.3	17.0	14.7		14.5	13.2	16.8

UNIFORM TEST IV, 2004

SEED QUALITY (score)

Strain	Mean 13 Tests	Pinetree* irrigated AR	Rohwer* irrigated AR	Georgetown DE	Belleville IL	Harrisburg IL	Newtown IL	Urbana IL	Lafayette IN
LN97-15076 (IV)	1.6				1.0	3.0	1.0	1.0	1.0
LS93-0375 (SCN)	1.6				1.0	3.0	1.0	1.0	1.0
Macon (III)	1.6				1.0	2.0	1.0	1.0	1.0
Strong (dt1)	1.7				1.0	3.0	1.0	1.0	1.0
HC97-1691	1.5				1.0	2.0	1.0	1.0	1.0
HC99-1261	1.4				1.0	1.0	1.0	1.0	1.0
HC99-2752	1.6				1.0	2.0	2.0	1.0	1.0
HC99-2762	1.7				1.0	3.0	1.0	1.0	1.0
HC99-2763	1.4				1.0	2.0	1.0	1.0	1.0
K1599	1.4				1.0	2.0	1.0	1.0	1.0
LD00-3309	1.7				1.0	4.0	1.0	1.0	1.0
LG00-6293	1.6				1.0	3.0	1.0	1.0	1.0
LG01-4762	1.5				1.0	3.0	1.0	1.0	1.0
LS98-0582	1.8				1.0	3.0	2.0	1.0	1.0
LS00-0716	1.5				1.0	3.0	1.0	1.0	1.0
LS00-2920	1.7				1.0	3.0	2.0	1.0	1.0

*Data not included in mean.

UNIFORM TEST IV, 2004

SEED QUALITY (score)

Strain	Butlerville IN	Ashland KS	Manhattan KS	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LN97-15076 (IV)	1.0	2.0	2.0	2.0	1.5		2.0	1.5	1.5
LS93-0375 (SCN)	1.0	2.0	2.0	2.0	1.3		2.0	2.0	1.5
Macon (III)	1.0	2.0	3.0	2.0	1.0		2.5	2.0	1.0
Strong (dt1)	1.0	2.0	2.0	2.0	1.5		3.0	2.0	1.5
HC97-1691	1.0	1.0	2.0	3.0	1.2		2.0	2.0	1.7
HC99-1261	1.0	2.0	2.0	1.0	1.0		2.5	2.0	1.5
HC99-2752	1.0	2.0	2.0	1.0	1.8		2.0	2.0	2.0
HC99-2762	1.0	2.0	3.0	2.0	1.3		2.0	2.0	2.0
HC99-2763	1.0	2.0	2.0	1.0	1.0		2.0	2.0	1.8
K1599	1.0	2.0	2.0	1.0	1.0		2.0	2.0	1.5
LD00-3309	1.0	2.0	2.0	2.0	1.0		2.5	2.0	1.3
LG00-6293	1.0	3.0	2.0	2.0	1.3		2.0	1.5	1.5
LG01-4762	1.0	2.0	2.0	1.0	1.2		2.0	1.5	1.3
LS98-0582	1.0	2.0	2.0	2.0	1.0		3.0	2.0	1.8
LS00-0716	1.0	2.0	2.0	1.0	1.0		2.0	2.0	1.5
LS00-2920	1.0	2.0	2.0	2.0	1.0		2.0	2.0	2.3

UNIFORM TEST IV, 2004**PROTEIN (%)**

Strain	Mean 5 Tests	Urbana IL	Ashland KS	Lexington KY	Queenstown MD	South Charleston OH
LN97-15076 (IV)	42.1	41.9	40.8	42.0	41.5	44.1
LS93-0375 (SCN)	41.1	40.8	41.1	40.9	40.0	42.7
Macon (III)	40.2	39.8	40.4	40.4	38.9	41.7
Strong (dt1)	40.8	40.5	39.8	40.8	40.2	42.5
HC97-1691	42.5	41.6	41.2	42.6	42.1	45.1
HC99-1261	40.5	40.2	39.3	40.5	40.5	42.0
HC99-2752	41.3	41.2	39.0	40.5	42.3	43.7
HC99-2762	41.3	39.9	40.7	41.9	41.2	42.7
HC99-2763	41.0	40.5	39.4	41.2	40.7	43.2
K1599	40.1	39.7	39.2	40.0	40.1	41.5
LD00-3309	40.2	40.2	39.5	38.6	40.2	42.4
LG00-6293	40.9	39.8	38.8	41.8	40.9	42.9
LG01-4762	40.0	39.6	39.2	40.2	39.6	41.7
LS98-0582	40.5	40.3	39.3	40.6	40.6	42.0
LS00-0716	40.9	42.9	38.8	39.5	41.2	42.0
LS00-2920	39.7	39.5	39.5	38.8	38.9	41.8

UNIFORM TEST IV, 2004

OIL (%)

Strain	Mean 5 Tests	Urbana IL	Ashland KS	Lexington KY	Queenstown MD	South Charleston OH
LN97-15076 (IV)	19.0	19.6	19.9	18.4	19.1	18.2
LS93-0375 (SCN)	18.6	19.0	19.1	18.3	18.5	17.9
Macon (III)	19.6	20.3	19.4	19.6	19.4	19.2
Strong (dt1)	19.5	20.2	20.1	19.4	19.3	18.5
HC97-1691	20.2	20.6	21.1	20.0	19.5	19.9
HC99-1261	19.4	20.3	19.9	18.7	19.1	18.8
HC99-2752	19.2	19.5	20.3	19.1	18.7	18.6
HC99-2762	20.2	21.4	20.7	19.8	19.8	19.4
HC99-2763	20.0	20.5	20.9	19.4	19.8	19.6
K1599	18.7	19.3	19.4	18.3	18.1	18.6
LD00-3309	19.0	19.4	19.6	18.5	18.8	18.5
LG00-6293	18.8	19.2	19.5	17.4	19.4	18.5
LG01-4762	19.6	20.0	19.6	19.3	20.2	18.8
LS98-0582	18.4	18.3	19.0	18.5	18.4	18.0
LS00-0716	19.1	18.4	19.6	19.4	19.3	18.7
LS00-2920	18.4	18.8	18.5	18.4	18.2	18.1

Preliminary Test IV, 2004

Ent.	Strain	Parentage	Generation Composited	Unique Traits
1.	LN97-15076 (IV)	Macon x Stressland	F5	
2.	LS93-0375 (SCN)	Asgrow A3935 x Pioneer P9402	F6	SCN
3.	Macon (III)	Sherman x Resnik	F5	
4.	Strong (dt1)	Sprite 87 x HC85-6577	F5	dt1
5.	HC99-505	HC94-82PR x HC91-1354	F5	dt1
6.	HC99-1020	HC94-85PR x HC94-82PR	F5	dt1
7.	HC00-235	Troll x HC94-62PR	F5	dt1
8.	HC00-650	HC94-69PR x Stressland	F5	Dt1
9.	HC01-73	HC94-600 x HC94-81PR	F5	dt1
10.	HC01-205	PANA x HC94-600	F5	dt1
11.	HC01-289	HC94-81PR x Asgrow A2506	F5	Dt1
12.	HS2-4446	Kottman x (HS94-9053 x Kottman)	BC1F5	?? Rps1k + Rps3
13.	LG01-4541	PI592.938 x Iroquois	F6	
14.	LG01-5670	Macon x PI91.091	F5	
15.	LS00-4221	LS92-3660 x Asgrow 4138	F6	SCN
16.	LS01-1158	LS92-4173 x Dekalb 339c	F6	SCN
17.	LS01-1734	LS93-0375 x IA3005	F6	SCN
18.	LS01-3048	LS93-0292 x Dekalb 420c	F6	SCN
19.	LS01-3450	LS93-0375 X Dekalb 420c	F6	SCN
20.	LS01-3615	LS93-0375 x Mustang	F6	SCN

PRELIMINARY TEST IV, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Green Stem</u> Score		<u>Shattering</u> Score	<u>PR</u> Lafayette		<u>PS</u> Lafayette	<u>FE</u>
		Jackson TN	Sepac IN	Manhattan KS	Race 4	Race 7	a %	n
LN97-15076 (IV)	WTBDYBII	1.0	1.0	2.0	S	S	5	
LS93-0375 (SCN)	PTBDYBII	1.0	2.0	1.0	S	R	2	S
Macon (III)	WTBIYBII	1.0	1.0	1.0	S	S	6	S
Strong (dt1)	WTTDYBID	1.0	1.0	1.0	S	R	0	
HC99-505	PTTDYBID	1.0	1.0	1.0	R	R	0	
HC99-1020	WTTIYBID	1.5	1.0	1.0	R	R	0	
HC00-235	WTTIYBID	1.5	1.0	1.0	R	R	1	
HC00-650	PTTIYBII	1.0	1.0	1.0	R	R	3	
HC01-73	PTTDYBID	2.5	1.0	1.0	R	R	5	
HC01-205	PTBDYBID	1.5	1.0	1.0	S	R	9	S
HC01-289	PTTDYBII	1.0	2.5	1.0	R	S	2	
HS2-4446	PGBDYBII	1.0	1.0	1.0	R	R	0	S
LG01-4541	PGBDYBfi	1.0	1.0	1.0	S	R	2	S
LG01-5670	WTBDYBI+BrI	1.0	1.0	1.0	S	S	3	S
LS00-4221	PTTDYBII	1.0	1.0	1.0	S	R	1	S
LS01-1158	WGTDYBfi	1.0	2.5	1.0	S	S	1	S
LS01-1734	WTBDYBII	1.0	2.0	1.0	S	S	0	S
LS01-3048	PTTDYBII	1.0	1.0	1.0	S	H	0	S
LS01-3450	PTBDYBII	1.0	2.0	1.0	S	S	0	S
LS01-3615	WGBDYBfi	1.0	1.0	2.0	S	S	3	S

PRELIMINARY TEST IV, 2004

REGIONAL SUMMARY

No. of Tests StraIL	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	<u>Composition</u>	
	11 bu/a	11 No.	11 Date	11 Score	11 IL.	11 g/100	11 Score	5 Protein %	5 Oil %
LN97-15076 (IV)	59.3	6	9/22	1.8	37	16.4	1.8	41.3	18.9
LS93-0375 (SCN)	61.6	1	0.5	1.7	36	16.8	1.8	41.4	18.9
Macon (III)	56.9	12	-4.0	1.6	33	17.4	1.6	40.3	19.3
Strong (dt1)	50.4	17	-1.5	1.1	20	17.4	1.7	40.3	19.1
HC99-505	52.1	15	-2.3	1.2	19	15.0	1.7	39.7	19.7
HC99-1020	47.7	20	-2.8	1.1	19	16.0	1.6	40.0	19.5
HC00-235	50.9	16	-1.5	1.1	21	14.6	1.8	39.7	20.3
HC00-650	57.6	11	1.9	2.7	41	15.7	1.8	41.6	19.7
HC01-73	52.2	14	0.9	1.1	20	16.0	1.8	40.5	19.6
HC01-205	47.9	19	-0.0	1.2	22	14.2	2.3	40.4	18.7
HC01-289	59.2	7	-1.0	2.1	35	15.2	2.1	42.9	20.2
HS2-4446	58.1	10	-5.0	1.7	37	17.6	1.8	41.2	19.7
LG01-4541	49.9	18	-3.4	2.3	35	16.3	1.9	41.0	18.2
LG01-5670	54.7	13	0.1	3.5	36	16.5	1.6	39.3	20.1
LS00-4221	59.6	5	0.2	2.5	40	17.2	1.9	42.1	18.4
LS01-1158	59.8	4	-0.1	1.8	39	14.3	1.8	39.3	18.7
LS01-1734	61.2	2	3.0	2.3	37	17.3	1.8	40.6	19.2
LS01-3048	58.4	9	2.0	1.8	38	15.3	1.9	41.3	18.6
LS01-3450	58.6	8	-1.5	1.8	38	14.5	1.8	41.2	18.6
LS01-3615	60.4	3	1.2	1.7	36	15.0	2.0	39.5	19.2

130.6 Days After Planting

PRELIMINARY TEST IV, 2004

YIELD (bu/a)

Strain	Mean 11 Tests	Belleville IL	Harrisburg IL	Urbana IL	Butlerville IN	Lafayette IN	Ashland KS
LN97-15076 (IV)	59.3	41.1	70.4	60.0	52.8	60.0	71.7
LS93-0375 (SCN)	61.6	58.8	70.5	63.6	52.1	67.4	61.3
Macon (III)	56.9	49.7	62.1	58.1	38.5	55.6	71.5
Strong (dt1)	50.4	22.2	69.0	49.9	40.0	57.9	72.3
HC99-505	52.1	17.1	65.4	55.5	41.8	61.3	70.0
HC99-1020	47.7	7.6	72.6	37.2	43.9	49.5	68.6
HC00-235	50.9	24.0	75.2	52.0	38.2	58.8	66.3
HC00-650	57.6	55.9	59.9	58.8	47.4	55.7	69.3
HC01-73	52.2	28.4	68.3	47.0	49.5	55.9	62.7
HC01-205	47.9	29.8	64.6	51.4	38.7	58.8	64.6
HC01-289	59.2	38.5	66.4	59.3	62.2	61.5	64.7
HS2-4446	58.1	56.3	65.0	57.2	49.1	61.8	67.7
LG01-4541	49.9	34.5	54.5	50.8	41.4	57.8	57.4
LG01-5670	54.7	50.5	63.5	62.0	44.8	55.1	69.2
LS00-4221	59.6	57.7	65.7	60.9	58.0	68.7	62.8
LS01-1158	59.8	65.0	67.5	60.4	49.9	64.1	66.9
LS01-1734	61.2	67.2	74.4	58.1	48.7	67.8	60.7
LS01-3048	58.4	53.4	55.6	56.8	54.5	68.1	53.1
LS01-3450	58.6	53.7	60.6	59.3	60.0	67.3	64.2
LS01-3615	60.4	61.8	57.7	63.5	55.5	71.6	53.9
C.V. (%)		13.3	8.0	5.7	7.0	5.8	6.5
L.S.D. (5%)		12.6	10.9	6.6	7.1	7.4	8.8
Row Sp. (IN.)		30	30	30	26	24	30
Rows/Plot		4	4	4	4	4	2
Reps		2	2	2	2	2	2

PRELIMINARY TEST IV, 2004

YIELD (bu/a)

Strain	Portageville				
	Lexington KY	Queenstown MD	(Loam) MO	So. Charleston OH	Jackson TN
LN97-15076 (IV)	80.0	58.2	54.4	67.0	37.3
LS93-0375 (SCN)	78.7	63.7	49.0	72.9	39.9
Macon (III)	78.9	54.8	57.6	62.1	37.0
Strong (dt1)	60.3	56.7	45.0	47.0	34.0
HC99-505	72.9	58.8	41.6	64.2	24.2
HC99-1020	71.1	57.9	34.9	58.7	22.5
HC00-235	69.7	53.7	33.0	53.1	36.1
HC00-650	76.1	52.3	51.6	67.7	38.8
HC01-73	72.5	60.5	43.9	59.1	26.7
HC01-205	60.5	55.2	37.8	42.5	22.8
HC01-289	82.6	44.7	58.8	71.6	41.1
HS2-4446	70.0	51.9	58.1	59.6	42.0
LG01-4541	65.4	47.9	50.4	61.2	28.0
LG01-5670	65.9	44.2	57.8	60.8	27.8
LS00-4221	79.7	54.6	49.7	62.2	35.3
LS01-1158	70.7	56.6	56.9	67.5	32.7
LS01-1734	74.4	60.7	62.3	59.9	39.3
LS01-3048	72.2	59.9	59.6	65.4	43.5
LS01-3450	71.9	62.0	46.0	62.6	36.7
LS01-3615	84.6	53.3	60.2	62.3	40.1
C.V. (%)	6.0	9.1	9.3	9.1	13.6
L.S.D. (5%)	7.6	10.5	8.1	14.2	9.8
Row Sp. (IN.)	16	24	30	15	30
Rows/Plot	6	4	4	6	4
Reps	2	2	2	2	2

PRELIMINARY TEST IV, 2004

YIELD RANK

Strain	Mean 11 Tests	Belleville IL	Harrisburg IL	Urbana IL	Butlerville IN	Lafayette IN	Ashland KS
LN97-15076 (IV)	6	12	5	6	6	11	2
LS93-0375 (SCN)	1	4	4	1	7	5	16
Macon (III)	12	11	15	10	19	18	3
Strong (dt1)	17	18	6	18	17	14	1
HC99-505	15	19	11	14	15	10	4
HC99-1020	20	20	3	20	14	20	7
HC00-235	16	17	1	15	20	12	10
HC00-650	11	7	17	9	12	17	5
HC01-73	14	16	7	19	9	16	15
HC01-205	19	15	13	16	18	12	12
HC01-289	7	13	9	7	1	9	11
HS2-4446	10	6	12	12	10	8	8
LG01-4541	18	14	20	17	16	15	18
LG01-5670	13	10	14	3	13	19	6
LS00-4221	5	5	10	4	3	2	14
LS01-1158	4	2	8	5	8	7	9
LS01-1734	2	1	2	10	11	4	17
LS01-3048	9	9	19	13	5	3	20
LS01-3450	8	8	16	7	2	6	13
LS01-3615	3	3	18	2	4	1	19

PRELIMINARY TEST IV, 2004**YIELD RANK**

Strain	Lexington	Queenstown	Portageville	So. Charleston	Jackson
	KY	MD	(Loam) MO	OH	TN
LN97-15076 (IV)	3	7	9	5	8
LS93-0375 (SCN)	6	1	13	1	5
Macon (III)	5	12	7	11	9
Strong (dt1)	20	9	15	19	13
HC99-505	9	6	17	7	18
HC99-1020	13	8	19	17	20
HC00-235	16	14	20	18	11
HC00-650	7	16	10	3	7
HC01-73	10	4	16	16	17
HC01-205	19	11	18	20	19
HC01-289	2	19	4	2	3
HS2-4446	15	17	5	15	2
LG01-4541	18	18	11	12	15
LG01-5670	17	20	6	13	16
LS00-4221	4	13	12	10	12
LS01-1158	14	10	8	4	14
LS01-1734	8	3	1	14	6
LS01-3048	11	5	3	6	1
LS01-3450	12	2	14	8	10
LS01-3615	1	15	2	9	4

PRELIMINARY TEST IV, 2004

MATURITY (date)

Strain	Mean 11 Tests	Belleville IL	Harrisburg IL	Urbana IL	Butlerville IN	Lafayette IN	Ashland KS
LN97-15076 (IV)	9/22	9/17	9/23	9/20	9/18	9/25	9/30
LS93-0375 (SCN)	0.5	3	-1	0	4	2	-2
Macon (III)	-4.0	-2	-7	-7	-5	-5	-4
Strong (dt1)	-1.5	-3	-3	-3	-3	0	1
HC99-505	-2.3	-5	-4	-3	-3	3	-1
HC99-1020	-2.8	-5	-6	-4	-3	0	-3
HC00-235	-1.5	-3	-3	-1	-4	5	-1
HC00-650	1.9	3	4	0	6	5	2
HC01-73	0.9	3	-1	0	-2	3	2
HC01-205	-0.0	2	0	-3	-3	2	0
HC01-289	-1.0	-3	-1	-4	3	0	-2
HS2-4446	-5.0	-2	-9	-7	-2	-3	-6
LG01-4541	-3.4	-5	-3	-6	-2	-3	-5
LG01-5670	0.1	3	-2	-2	-1	5	0
LS00-4221	0.2	2	-1	-2	0	4	3
LS01-1158	-0.1	3	-1	-4	2	1	-4
LS01-1734	3.0	5	0	3	7	6	2
LS01-3048	2.0	3	1	0	5	8	2
LS01-3450	-1.5	-3	-3	-4	3	4	-4
LS01-3615	1.2	3	0	0	6	5	1
Date Planted	5/15	5/7	5/20	5/6	5/12	5/18	5/26
Days to Mature	131	133	126	137	129	130	127

PRELIMINARY TEST IV, 2004

MATURITY (date)

Strain	Portageville				
	Lexington KY	Queenstown MD	(Loam) MO	So. Charleston OH	Jackson TN
LN97-15076 (IV)	9/28	10/6	9/13	9/30	9/10
LS93-0375 (SCN)	-4	-2	3	2	0
Macon (III)	-6	-3	2	-8	0
Strong (dt1)	-3	2	0	-5	0
HC99-505	-8	0	0	-5	0
HC99-1020	-4	-2	0	-5	0
HC00-235	-3	-1	-2	-5	0
HC00-650	-3	0	3	2	0
HC01-73	-1	2	8	-4	0
HC01-205	-5	4	5	-2	0
HC01-289	-3	-3	1	1	0
HS2-4446	-3	-10	-3	-4	-7
LG01-4541	-4	-6	0	-4	0
LG01-5670	-2	1	4	-4	0
LS00-4221	-4	2	2	-3	0
LS01-1158	-1	-1	3	0	0
LS01-1734	0	2	6	2	0
LS01-3048	-1	-1	4	1	0
LS01-3450	-5	-2	-1	-3	0
LS01-3615	-5	-1	3	2	0
Date Planted	5/11	5/25	5/19	5/11	5/11
Days to Mature	140	134	117	142	122

PRELIMINARY TEST IV, 2004

LODGING (score)

Strain	Mean 11 Tests	Belleville IL	Harrisburg IL	Urbana IL	Butlerville IN	Lafayette IN	Ashland KS
LN97-15076 (IV)	1.8	1.0	3.0	1.5	1.0	1.0	2.0
LS93-0375 (SCN)	1.7	1.8	2.8	1.5	1.0	1.0	2.0
Macon (III)	1.6	1.3	2.5	1.5	1.0	1.0	2.0
Strong (dt1)	1.1	1.0	1.0	1.0	1.0	1.0	1.0
HC99-505	1.2	1.0	1.0	1.0	1.0	1.0	1.0
HC99-1020	1.1	1.0	1.0	1.0	1.0	1.0	1.0
HC00-235	1.1	1.0	1.0	1.0	1.0	1.0	1.0
HC00-650	2.7	2.3	4.0	1.8	2.3	1.3	3.5
HC01-73	1.1	1.0	1.0	1.0	1.0	1.0	1.0
HC01-205	1.2	1.0	1.0	1.3	1.0	1.0	1.0
HC01-289	2.1	1.3	2.8	2.0	1.5	1.3	2.0
HS2-4446	1.7	1.5	1.8	1.5	1.0	1.5	2.5
LG01-4541	2.3	1.3	4.5	1.5	1.5	1.0	3.5
LG01-5670	3.5	2.8	4.5	3.3	3.3	3.3	3.5
LS00-4221	2.5	2.3	3.0	2.8	1.0	1.8	3.0
LS01-1158	1.8	1.8	2.8	1.5	1.3	1.8	2.0
LS01-1734	2.3	3.0	3.3	2.0	1.0	1.3	3.0
LS01-3048	1.8	1.3	3.3	1.5	1.0	1.0	2.0
LS01-3450	1.8	1.3	2.8	1.5	1.0	1.0	2.0
LS01-3615	1.7	1.8	2.0	1.5	1.0	1.0	2.5

PRELIMINARY TEST IV, 2004**LODGING (score)**

Strain	Lexington	Queenstown	Portageville	So. Charleston	Jackson
	KY	MD	(Loam) MO	OH	TN
LN97-15076 (IV)	3.0	3.5	1.5	1.2	1.0
LS93-0375 (SCN)	1.8	3.3	1.0	1.1	1.0
Macon (III)	2.0	3.0	1.0	1.1	1.0
Strong (dt1)	1.0	2.5	1.0	1.0	1.0
HC99-505	1.0	2.8	1.0	1.0	1.0
HC99-1020	1.0	2.5	1.0	1.0	1.0
HC00-235	1.0	2.5	1.0	1.0	1.0
HC00-650	4.0	3.5	1.5	2.3	3.0
HC01-73	1.0	2.5	1.0	1.0	1.0
HC01-205	1.0	3.3	1.0	1.0	1.0
HC01-289	3.8	3.5	1.0	1.5	2.0
HS2-4446	2.5	2.8	1.5	1.3	1.3
LG01-4541	3.3	5.0	1.0	1.1	1.8
LG01-5670	5.0	5.0	2.0	1.6	3.8
LS00-4221	3.0	3.5	2.0	1.4	3.3
LS01-1158	3.0	2.8	1.0	1.3	1.0
LS01-1734	3.8	3.5	1.0	1.3	1.8
LS01-3048	2.3	3.3	1.0	1.1	1.8
LS01-3450	3.0	3.5	1.0	1.1	1.8
LS01-3615	2.0	3.3	1.0	1.1	1.0

PRELIMINARY TEST IV, 2004

PLANT HEIGHT (Inches)

Strain	Mean 11 Tests	Belleville IL	Harrisburg IL	Urbana IL	Butlerville IN	Lafayette IN	Ashland KS
LN97-15076 (IV)	36.9	28	44	36	33	40	43
LS93-0375 (SCN)	35.8	32	42	38	31	37	43
Macon (III)	33.4	29	40	37	30	34	41
Strong (dt1)	20.5	14	26	26	17	27	27
HC99-505	19.3	11	23	26	16	23	26
HC99-1020	18.6	12	24	22	17	23	26
HC00-235	21.0	15	24	25	18	21	39
HC00-650	40.7	32	46	41	39	42	47
HC01-73	19.5	14	26	25	15	21	25
HC01-205	21.5	15	23	25	19	25	34
HC01-289	35.2	29	42	36	33	39	44
HS2-4446	36.8	34	44	36	29	37	48
LG01-4541	35.1	26	43	34	31	36	46
LG01-5670	36.4	29	45	38	32	38	42
LS00-4221	39.7	30	46	39	36	43	51
LS01-1158	38.6	36	44	38	35	39	45
LS01-1734	37.0	31	44	34	31	38	46
LS01-3048	38.0	30	47	35	34	39	46
LS01-3450	37.9	28	45	37	35	40	48
LS01-3615	35.5	34	45	33	32	36	42

PRELIMINARY TEST IV, 2004**PLANT HEIGHT (Inches)**

Strain	Lexington	Queenstown	Portageville	So. Charleston	Jackson
	KY	MD	(Loam) MO	OH	TN
LN97-15076 (IV)	40	39	36	33	35
LS93-0375 (SCN)	41	34	33	33	31
Macon (III)	37	32	31	28	29
Strong (dt1)	22	21	14	16	16
HC99-505	20	21	15	17	15
HC99-1020	17	24	13	15	13
HC00-235	23	21	14	15	16
HC00-650	43	38	39	41	41
HC01-73	23	20	16	16	15
HC01-205	26	26	14	16	14
HC01-289	37	32	30	34	32
HS2-4446	41	34	34	32	37
LG01-4541	36	34	35	32	34
LG01-5670	39	37	37	30	34
LS00-4221	43	36	40	36	38
LS01-1158	40	35	38	38	37
LS01-1734	41	36	39	31	37
LS01-3048	42	37	37	36	36
LS01-3450	41	37	36	33	37
LS01-3615	41	33	33	30	33

PRELIMINARY TEST IV, 2004

SEED SIZE (g/100)

Strain	Mean 11 Tests	Belleville IL	Harrisburg IL	Urbana IL	Butlerville IN	Lafayette IN	Ashland KS
LN97-15076 (IV)	16.4	14.0	16.5	14.9	15.8	17.4	19.1
LS93-0375 (SCN)	16.8	14.5	16.9	15.2	16.0	18.4	18.5
Macon (III)	17.4	14.4	17.4	17.3	14.1	18.4	20.1
Strong (dt1)	17.4	14.4	19.2	18.4	15.2	19.1	18.7
HC99-505	15.0	11.2	14.7	15.4	13.7	16.6	16.0
HC99-1020	16.0	11.3	16.8	16.8	14.1	16.5	19.5
HC00-235	14.6	11.4	14.6	14.5	12.7	16.2	16.1
HC00-650	15.7	13.7	16.5	13.9	16.1	16.8	18.4
HC01-73	16.0	12.6	16.1	16.9	14.2	15.5	17.7
HC01-205	14.2	12.9	15.3	13.4	12.2	12.6	14.2
HC01-289	15.2	12.0	16.0	13.3	16.2	15.9	17.3
HS2-4446	17.6	15.8	17.8	17.2	16.8	19.3	20.0
LG01-4541	16.3	13.4	17.1	15.5	15.3	16.9	18.9
LG01-5670	16.5	13.0	16.3	15.5	14.7	18.1	19.7
LS00-4221	17.2	14.1	17.5	16.7	16.6	19.4	18.9
LS01-1158	14.3	11.9	14.8	12.8	13.7	15.1	14.5
LS01-1734	17.3	15.7	17.8	16.2	16.6	18.4	19.0
LS01-3048	15.3	12.7	15.7	14.8	14.2	15.4	17.9
LS01-3450	14.5	11.7	14.5	14.0	14.6	15.2	16.0
LS01-3615	15.0	12.6	15.2	14.6	14.6	16.9	16.5

PRELIMINARY TEST IV, 2004**SEED SIZE (g/100)**

Strain	Lexington	Queenstown	Portageville	So. Charleston	Jackson
	KY	MD	(Loam) MO	OH	TN
LN97-15076 (IV)	18.9	16.9	14.3	18.0	14.3
LS93-0375 (SCN)	19.4	18.6	14.3	18.1	14.9
Macon (III)	20.4	19.5	14.8	18.5	16.4
Strong (dt1)	18.1	18.3	15.6	18.5	16.5
HC99-505	16.1	16.5	13.2	16.3	15.4
HC99-1020	17.5	15.8	13.2	17.8	17.0
HC00-235	15.2	14.6	13.2	16.5	15.8
HC00-650	16.7	15.5	13.7	16.8	14.2
HC01-73	17.4	15.9	14.8	18.2	16.6
HC01-205	15.0	14.4	14.0	16.6	15.3
HC01-289	16.5	15.2	14.2	15.9	14.9
HS2-4446	19.5	16.6	15.8	18.8	16.4
LG01-4541	17.8	18.0	14.5	16.9	14.9
LG01-5670	18.5	16.9	14.6	18.1	16.4
LS00-4221	19.1	17.9	14.4	19.0	15.9
LS01-1158	16.5	14.7	14.6	16.4	12.3
LS01-1734	18.8	17.1	16.0	19.7	14.9
LS01-3048	17.1	14.9	13.6	16.7	15.1
LS01-3450	16.1	14.4	12.5	15.8	14.7
LS01-3615	16.5	16.5	13.3	16.4	12.2

PRELIMINARY TEST IV, 2004**SEED QUALITY (score)**

Strain	Mean 11 Tests	Belleville IL	Harrisburg IL	Urbana IL	Butlerville IN	Lafayette IN	Ashland KS
LN97-15076 (IV)	1.8	1.0	3.0	1.0	1.0	1.5	2.0
LS93-0375 (SCN)	1.8	1.0	3.0	1.0	1.0	1.5	2.0
Macon (III)	1.6	1.0	2.0	1.0	1.0	1.5	2.0
Strong (dt1)	1.7	1.0	3.0	1.0	1.0	1.5	2.0
HC99-505	1.7	1.0	3.0	1.0	1.0	1.5	2.0
HC99-1020	1.6	1.0	2.0	1.0	1.0	1.5	2.0
HC00-235	1.8	1.0	4.0	1.0	1.0	1.0	2.0
HC00-650	1.8	1.0	3.0	1.0	1.0	1.5	2.0
HC01-73	1.8	1.0	3.0	1.0	1.0	1.0	2.0
HC01-205	2.3	2.0	5.0	2.0	1.0	1.5	2.0
HC01-289	2.1	1.0	5.0	1.0	1.5	2.0	2.0
HS2-4446	1.8	1.0	3.0	1.0	1.0	1.5	2.0
LG01-4541	1.9	1.0	3.0	1.0	1.0	1.0	3.0
LG01-5670	1.6	1.0	2.0	1.0	1.0	1.0	2.0
LS00-4221	1.9	1.0	2.0	2.0	1.0	1.5	2.0
LS01-1158	1.8	1.0	3.0	1.0	1.5	1.0	2.0
LS01-1734	1.8	1.0	3.0	1.0	1.0	1.5	2.0
LS01-3048	1.9	1.0	4.0	2.0	1.0	1.0	2.0
LS01-3450	1.8	1.0	4.0	1.0	1.0	1.5	2.0
LS01-3615	2.0	1.0	4.0	1.0	1.0	1.5	2.0

PRELIMINARY TEST IV, 2004**SEED QUALITY (score)**

Strain	Lexington	Queenstown	Portageville	So. Charleston	Jackson
	KY	MD	(Loam) MO	OH	TN
LN97-15076 (IV)	2.0	1.3	2.0	1.8	2.8
LS93-0375 (SCN)	3.0	1.0	1.5	1.5	3.0
Macon (III)	2.0	1.0	2.0	1.5	2.5
Strong (dt1)	2.0	1.3	2.0	1.8	2.5
HC99-505	2.0	1.3	2.0	1.8	2.3
HC99-1020	2.0	1.3	1.5	1.8	2.8
HC00-235	2.0	1.3	1.5	2.0	2.5
HC00-650	2.0	1.3	2.0	2.3	2.8
HC01-73	2.0	1.5	2.0	2.0	2.8
HC01-205	3.0	1.0	2.0	2.0	3.5
HC01-289	2.0	1.3	2.0	1.8	3.0
HS2-4446	2.0	2.0	1.5	1.5	2.8
LG01-4541	3.0	1.5	2.0	1.8	2.8
LG01-5670	2.0	1.5	2.0	1.0	3.3
LS00-4221	3.0	1.5	2.0	1.5	3.8
LS01-1158	3.0	1.5	2.0	1.8	2.3
LS01-1734	3.0	2.0	2.0	1.8	2.0
LS01-3048	2.0	1.5	2.0	1.8	3.0
LS01-3450	2.0	1.5	2.0	2.0	2.3
LS01-3615	3.0	2.3	2.0	1.5	2.8

PRELIMINARY TEST IV, 2004**PROTEIN (%)**

Strain	Mean 5 Tests	Butlerville IN	Ashland KS	Lexington KY	Portageville (Loam) MO	South Charleston OH
LN97-15076 (IV)	41.3	42.1	39.7	40.5	39.9	44.3
LS93-0375 (SCN)	41.4	40.5	41.6	41.2	39.9	43.6
Macon (III)	40.3	40.2	40.1	40.2	39.6	41.6
Strong (dt1)	40.3	38.1	39.8	39.6	41.4	42.4
HC99-505	39.7	38.6	38.7	38.6	40.5	42.2
HC99-1020	40.0	40.6	38.4	38.4	40.8	41.9
HC00-235	39.7	38.3	37.3	38.3	41.1	43.6
HC00-650	41.6	42.2	40.2	41.1	41.2	43.0
HC01-73	40.5	39.7	38.7	39.3	41.3	43.3
HC01-205	40.4	39.1	39.2	39.2	41.3	43.3
HC01-289	42.9	44.1	41.4	41.4	41.9	45.7
HS2-4446	41.2	40.7	41.7	41.2	39.7	42.8
LG01-4541	41.0	40.4	39.8	40.9	41.0	43.0
LG01-5670	39.3	39.6	37.4	39.0	38.9	41.5
LS00-4221	42.1	41.3	40.6	42.2	41.7	44.7
LS01-1158	39.3	41.0	38.2	41.9	39.0	36.2
LS01-1734	40.6	41.5	39.3	40.2	39.2	42.7
LS01-3048	41.3	41.1	41.4	41.2	41.1	41.8
LS01-3450	41.2	41.6	40.9	41.1	39.0	43.3
LS01-3615	39.5	40.3	39.0	39.8	37.9	40.7

PRELIMINARY TEST IV, 2004

OIL (%)

StralL	Mean 5 Tests	Butler ville IN	Ashland KS	Lexington KY	Portageville (Loam) MO	South Charleston OH
LN97-15076 (IV)	18.9	19.4	19.2	17.1	20.5	18.5
LS93-0375 (SCN)	18.9	18.8	18.4	18.3	20.4	18.5
Macon (III)	19.3	18.2	19.6	19.1	20.0	19.4
Strong (dt1)	19.1	18.5	20.0	18.5	19.5	19.1
HC99-505	19.7	19.7	19.5	19.3	20.6	19.2
HC99-1020	19.5	19.4	19.9	20.4	18.4	19.1
HC00-235	20.3	19.7	21.4	20.4	20.7	19.5
HC00-650	19.7	18.6	21.0	19.7	20.3	18.8
HC01-73	19.6	19.9	20.8	19.1	19.8	18.6
HC01-205	18.7	18.9	19.1	17.9	19.5	18.1
HC01-289	20.2	20.4	21.2	19.7	20.3	19.7
HS2-4446	19.7	18.8	19.5	19.2	21.4	19.6
LG01-4541	18.2	17.9	19.1	17.9	18.3	18.1
LG01-5670	20.1	20.0	20.4	19.4	21.5	19.4
LS00-4221	18.4	18.0	18.5	18.4	18.5	18.3
LS01-1158	18.7	18.5	19.6	17.9	19.7	17.9
LS01-1734	19.2	18.7	19.4	18.5	20.8	18.6
LS01-3048	18.6	18.6	19.2	17.7	19.8	17.5
LS01-3450	18.6	17.8	19.0	18.2	19.8	18.1
LS01-3615	19.2	18.6	19.2	18.7	20.6	18.7

Uniform Test 0 Roundup-Ready, 2004

Ent.	Strain	Parentage	Previous Testing	Generation Compositied	Unique Traits
1.	RG405RR	Barnes*3 x (Council x Resnick(RR))	PT0-RR	F3	Rps 6
2.	RG200RR	Traill*3 x (Council x Resnick(RR))	PT0-RR		RR
3.	AG0801		PT0-RR		
4.	SD1091RR (L)	Surge (3) x ResnikRR	PT0-RR	F4	RR, Seg Rps1-a
5.	M97-304146RR	Surge x M96-136-20	PT0-RR	F5	RR
6.	SD93-1233T	Surge (3) x ResnikRR	PT0-RR	F4	RR
7.	SD00-1037R	SD94-27 x SD93-1208RR	PT0-RR	F4	RR, Rps1-k
8.	SD00-1251R	(Surge x ResnikRR) x Surge	PT0-RR	F4	RR, Rps1-k
9.	SD00-1258R	(Surge x ResnikRR) x Surge	PT0-RR	F4	RR, Rps1-k
10.	SDX00R-020-18	MN0902 x SD93-828R	PT0-RR	F4	RR, Rps1-a
11.	SDX00R-035-39	A97-771039 x SD1081RR	PTII-RR	F4	RR
12.	SDX00R-046-29	SD1091RR x Dwight	PT0-RR	F4	RR

UNIFORM TEST 0 Roundup-Ready, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Green Stem Score		Shattering Score	Chlorosis Score		Lafayette	
		Fayetteville AR	St. Bruno Que	Manhattan KS	Wilkin Co. MN	Casselton ND	Race 4	Race 7
RG405RR	PGBDYBfI	1.0	4.0	2.0	4.4	1.0	R	H*
RG200RR	PTBIYLgrI	1.0	2.0	1.0	3.6	1.3	S	S
AG0801	PTBDYLbII	1.0	3.5	2.0	3.8	1.3	H	R
SD1091RR (L)	PGBDYIbI	1.0	2.0	1.0	4.3	1.3	S	H*
M97-304146RR	PGBDYLbfi	1.0	3.0	1.0	3.5	1.0	S	H
SD93-1233T	PTBDYBII	1.0	2.5	2.0	4.3	1.3	S	R
SD00-1037R	PGTDYIbI	1.0	4.0	1.0	4.4	1.0	R	R
SD00-1251R	PTTDYBII	1.0	2.5	1.0	4.3	1.0	R	R
SD00-1258R	PTTDYBII	1.0	2.5	1.0	4.0	1.7	R	R
SDX00R-020-18	PTBDYBI+BrI	2.5	1.5	1.0	4.0	1.7	R*	H*
SDX00R-035-39	PGBDYIYI	1.0	3.0	1.0	4.2	1.7	S	S
SDX00R-046-29	PGTDYIbI	1.0	2.0	1.0		1.7	S	R

* = entry/*Phytophthora sojae* race reaction questionable.

UNIFORM TEST 0 Roundup-Ready, 2004

REGIONAL SUMMARY

No. of Tests Strain	Yield 8 bu/a	Rank 8 No.	Maturity 10 Date	Lodging 9 Score	Plant Height 9 In.	Seed Size 10 g/100	Seed Quality 8 Score	Composition	
								Protein 5 %	Oil 5 %
RG405RR	33.9	9	9/18	1.0	27	15.1	1.9	40.2	19.7
RG200RR	31.1	12	-3.6	1.0	25	14.0	1.7	40.9	18.4
AG0801	37.6	2	2.1	1.1	26	14.7	1.7	40.4	19.0
SD1091RR (L)	34.8	7	5.8	1.0	26	16.0	1.6	41.7	19.0
M97-304146RR	34.9	6	1.9	1.0	29	14.4	1.7	41.1	19.2
SD93-1233T	33.3	10	4.8	1.2	26	15.7	1.7	42.3	19.1
SD00-1037R	34.6	8	6.2	1.2	29	13.8	1.6	40.8	19.3
SD00-1251R	35.2	5	4.7	1.1	27	15.5	1.7	41.6	18.8
SD00-1258R	35.8	4	6.3	1.0	25	15.7	1.5	41.7	18.8
SDX00R-020-18	38.7	1	9.1	1.1	26	17.1	1.7	39.7	19.9
SDX00R-035-39	36.6	3	5.7	1.1	30	13.7	1.6	39.6	19.6
SDX00R-046-29	32.9	11	6.1	1.0	27	14.5	1.9	41.3	19.0

126.8 Days After Planting

UNIFORM TEST 0 Roundup-Ready, 2004

YIELD (bu/a)

Strain	Mean 8 Tests	Fayetteville* irrigated AR	Grand* Traverse Co. MI	Montmorency Co. MI	Morris MN	Rosemount MN	Casselton ND
RG405RR	33.9	39.0	19.1	27.7	34.3	23.3	40.2
RG200RR	31.1	38.2	13.7	23.9	34.2	21.5	33.3
AG0801	37.6	49.8	21.7	24.1	39.4	24.2	41.0
SD1091RR (L)	34.8	47.0	17.1	22.5	30.1	24.6	36.4
M97-304146RR	34.9	45.5	26.0	26.5	41.8	25.9	40.1
SD93-1233T	33.3	47.8	17.6	19.7	25.4	18.0	36.9
SD00-1037R	34.6	68.2	22.2	27.5	34.9	20.5	38.4
SD00-1251R	35.2	49.3	20.2	29.2	32.8	21.0	38.8
SD00-1258R	35.8	53.4	22.2	26.2	36.2	19.3	30.8
SDX00R-020-18	38.7	46.9	18.1	34.9	33.2	31.6	35.8
SDX00R-035-39	36.6	48.4	18.0	27.2	38.2	23.6	30.4
SDX00R-046-29	32.9	43.2	18.5	24.5	35.3	19.0	29.2
C.V. (%)		9.2	17.6	17.6	12.7	13.1	16.0
L.S.D. (5%)		8.1	8.2	8.2	7.5	5.0	9.8
Row Sp. (In.)		7.5	15	15	10	10	30
Rows/Plot		7	6	6	10	10	4
Reps		3	2	2	3	3	3

*Data not included in mean.

UNIFORM TEST 0 Roundup-Ready, 2004

YIELD RANK

Strain	Yield Rank	Fayetteville* irrigated AR	Grand Traverse Co. MI	Montmorency Co. MI	Morris MN	Rosemount MN	Casselton ND
RG405RR	9	11	6	3	7	6	2
RG200RR	12	12	12	10	8	7	9
AG0801	2	3	4	9	2	4	1
SD1091RR (L)	7	7	11	11	11	3	7
M97-304146RR	6	9	1	6	1	2	3
SD93-1233T	10	6	10	12	12	12	6
SD00-1037R	8	1	2	4	6	9	5
SD00-1251R	5	4	5	2	10	8	4
SD00-1258R	4	2	3	7	4	10	10
SDX00R-020-18	1	8	8	1	9	1	8
SDX00R-035-39	3	5	9	5	3	5	11
SDX00R-046-29	11	10	7	8	5	11	12

*Data not included in mean.

UNIFORM TEST 0 Roundup-Ready, 2004**YIELD (bu/a)**

Strain	Ottawa Ont	St. Bruno* Que.	Arlington SD	Brookings SD	Watertown SD
RG405RR	50.4	26.7	22.4	41.6	24.8
RG200RR	44.6	40.2	20.5	36.9	25.1
AG0801	57.1	43.6	31.4	47.4	30.5
SD1091RR (L)	51.0	48.0	32.4	42.5	25.7
M97-304146RR	47.4	39.1	26.9	41.2	25.3
SD93-1233T	53.0	46.0	29.4	43.7	27.3
SD00-1037R	48.9	41.6	26.0	44.2	29.3
SD00-1251R	51.9	42.8	27.7	44.5	28.2
SD00-1258R	55.2	51.9	32.9	44.2	25.3
SDX00R-020-18	55.0	47.8	38.9	44.7	26.6
SDX00R-035-39	56.1	40.1	35.0	46.8	31.8
SDX00R-046-29	51.8	41.4	25.6	41.6	27.8
C.V. (%)	3.1	17.6	14.4	6.0	15.2
L.S.D. (5%)	2.8	21.1	7.0	4.4	7.0
Row Sp. (In.)	16	7	30	30	30
Rows/Plot	4	5	4	4	4
Reps	3	2	3	3	3

UNIFORM TEST 0 Roundup-Ready, 2004**YIELD RANK**

Strain	Ottawa Ont	St. Bruno Que.	Arlington SD	Brookings SD	Watertown SD
RG405RR	9	12	11	9	12
RG200RR	12	9	12	12	11
AG0801	1	5	5	1	2
SD1091RR (L)	8	2	4	8	8
M97-304146RR	11	11	8	11	9
SD93-1233T	5	4	6	7	6
SD00-1037R	10	7	9	5	3
SD00-1251R	6	6	7	4	4
SD00-1258R	3	1	3	5	9
SDX00R-020-18	4	3	1	3	7
SDX00R-035-39	2	10	2	2	1
SDX00R-046-29	7	8	10	9	5

UNIFORM TEST 0 Roundup-Ready, 2004

MATURITY (date)

Strain	Mean 10 Tests	Fayetteville* irrigated AR	Grand Traverse Co. MI	Montmorency Co. MI	Morris MN	Rosemount MN	Casselton ND
RG405RR	9/18	8/3	9/18	9/23	9/30	9/8	9/21
RG200RR	-3.6	-1	-4	-4	-4	-2	-9
AG0801	2.1	3	0	0	1	2	6
SD1091RR (L)	5.8	3	2	2	6	5	14
M97-304146RR	1.9	0	2	2	1	3	3
SD93-1233T	4.8	2	2	2	4	3	7
SD00-1037R	6.2	7	4	4	5	8	9
SD00-1251R	4.7	4	4	4	6	3	8
SD00-1258R	6.3	6	5	5	7	4	10
SDX00R-020-18	9.1	8	5	5	9	12	17
SDX00R-035-39	5.7	0	2	2	1	4	16
SDX00R-046-29	6.1	0	2	2	5	6	10
Date Planted	5/14	5/6	5/16	5/12	5/20	5/7	5/20
Days to Mature	127	89	125	134	133	124	124

*Data not included in mean.

UNIFORM TEST 0 Roundup-Ready, 2004

LODGING (score)

Strain	Mean 9 Tests	Fayetteville* irrigated AR	Grand Traverse Co. MI	Montmorency Co. MI	Morris MN	Rosemount MN	Casselton ND
RG405RR	1.0	1.0	1.0	1.0		1.0	1.0
RG200RR	1.0	1.0	1.0	1.0		1.0	1.0
AG0801	1.1	1.0	1.0	1.0		1.0	1.0
SD1091RR (L)	1.0	1.0	1.0	1.0		1.0	1.0
M97-304146RR	1.0	1.0	1.0	1.0		1.0	1.0
SD93-1233T	1.2	1.0	1.0	1.0		1.3	1.0
SD00-1037R	1.2	1.0	1.0	1.0		1.3	1.0
SD00-1251R	1.1	1.0	1.0	1.0		1.0	1.0
SD00-1258R	1.0	1.0	1.0	1.0		1.0	1.0
SDX00R-020-18	1.1	1.0	1.0	1.0		1.7	1.0
SDX00R-035-39	1.1	1.0	1.0	1.0		1.0	1.0
SDX00R-046-29	1.0	1.0	1.0	1.0		1.0	1.0

*Data not included in mean.

UNIFORM TEST 0 Roundup-Ready, 2004

MATURITY (date)

Strain	Ottawa Ont	St. Bruno Que.	Arlington SD	Brookings SD	Watertown SD
RG405RR	9/9	9/23	9/22	9/18	9/13
RG200RR	-5	-2	-2	-1	-3
AG0801	3	5	4	3	-3
SD1091RR (L)	6	7	6	5	5
M97-304146RR	3	2	-1	1	3
SD93-1233T	6	8	8	4	4
SD00-1037R	5	8	7	5	7
SD00-1251R	3	8	3	2	6
SD00-1258R	5	9	7	4	7
SDX00R-020-18	11	12	8	9	3
SDX00R-035-39	10	7	7	6	2
SDX00R-046-29	4	6	8	7	11
Date Planted	5/13	5/29	5/7	5/13	5/10
Days to Mature	119	117	138	128	126

UNIFORM TEST 0 Roundup-Ready, 2004

LODGING (score)

Strain	Ottawa Ont	St. Bruno Que.	Arlington SD	Brookings SD	Watertown SD
RG405RR	1.4	1.0	1.0	1.0	1.0
RG200RR	1.0	1.0	1.0	1.0	1.0
AG0801	1.5	1.0	1.0	1.0	1.0
SD1091RR (L)	1.3	1.0	1.0	1.0	1.0
M97-304146RR	1.4	1.0	1.0	1.0	1.0
SD93-1233T	2.3	1.0	1.0	1.0	1.0
SD00-1037R	2.3	1.0	1.0	1.0	1.0
SD00-1251R	1.5	1.0	1.0	1.0	1.0
SD00-1258R	1.3	1.0	1.0	1.0	1.0
SDX00R-020-18	1.4	1.0	1.0	1.0	1.0
SDX00R-035-39	1.6	1.0	1.0	1.0	1.0
SDX00R-046-29	1.1	1.0	1.0	1.0	1.0

UNIFORM TEST 0 Roundup-Ready, 2004

PLANT HEIGHT (inches)

Strain	Mean 9 Tests	Fayetteville* irrigated AR	Grand Traverse Co. MI	Montmorency Co. MI	Morris MN	Rosemount MN	Casselton ND
RG405RR	27	21	19	30		30	33
RG200RR	25	18	18	26		29	25
AG0801	26	22	19	22		30	31
SD1091RR (L)	26	22	16	22		30	30
M97-304146RR	29	23	21	29		31	32
SD93-1233T	26	23	16	22		29	30
SD00-1037R	29	28	19	30		29	32
SD00-1251R	27	25	18	29		28	30
SD00-1258R	25	24	17	25		28	27
SDX00R-020-18	26	26	15	29		31	29
SDX00R-035-39	30	22	18	34		34	32
SDX00R-046-29	27	24	16	24		29	28

*Data not included in mean.

UNIFORM TEST 0 Roundup-Ready, 2004

SEED SIZE (g/100)

Strain	Mean 10 Tests	Fayetteville* irrigated AR	Grand Traverse Co. MI	Montmorency Co. MI	Morris MN	Rosemount MN	Casselton ND
RG405RR	15.1	14.5	17.9	12.9	15.9	13.2	16.7
RG200RR	14.0	13.2	15.1	12.6	14.1	12.0	13.5
AG0801	14.7	15.4	16.6	12.5	15.4	12.1	15.4
SD1091RR (L)	16.0	16.0	18.2	13.1	16.8	12.7	16.4
M97-304146RR	14.4	14.9	17.6	11.7	14.9	12.0	15.5
SD93-1233T	15.7	15.9	18.3	12.8	17.8	11.4	15.2
SD00-1037R	13.8	13.1	15.5	11.5	15.4	10.7	14.1
SD00-1251R	15.5	14.9	17.6	12.7	17.6	10.9	16.6
SD00-1258R	15.7	16.6	17.8	13.2	16.6	11.4	16.4
SDX00R-020-18	17.1	14.9	18.4	14.1	17.8	15.0	16.9
SDX00R-035-39	13.7	12.1	16.0	12.5	14.0	10.3	15.0
SDX00R-046-29	14.5	13.9	16.3	12.1	15.1	10.8	14.7

*Data not included in mean.

UNIFORM TEST 0 Roundup-Ready, 2004**PLANT HEIGHT (inches)**

Strain	Ottawa Ont	St. Bruno Que.	Arlington SD	Brookings SD	Watertown SD
RG405RR	35	16	22	29	25
RG200RR	31	23	20	28	23
AG0801	38	23	20	30	24
SD1091RR (L)	33	22	21	30	25
M97-304146RR	37	24	24	34	29
SD93-1233T	37	22	20	30	28
SD00-1037R	38	20	27	34	33
SD00-1251R	37	20	22	31	25
SD00-1258R	35	24	19	31	22
SDX00R-020-18	36	23	20	31	23
SDX00R-035-39	39	24	24	35	28
SDX00R-046-29	36	22	27	31	26

UNIFORM TEST 0 Roundup-Ready, 2004**SEED SIZE (g/100)**

Strain	Ottawa Ont	St. Bruno Que.	Arlington SD	Brookings SD	Watertown SD
RG405RR	17.9	14.5	14.2	14.6	12.7
RG200RR	17.0	16.3	14.4	13.1	11.9
AG0801	17.7	16.3	14.4	13.7	12.7
SD1091RR (L)	20.0	17.3	16.2	14.6	14.5
M97-304146RR	17.5	14.9	14.7	12.7	12.7
SD93-1233T	19.4	18.1	16.3	14.6	13.5
SD00-1037R	16.8	14.8	14.0	13.2	11.8
SD00-1251R	18.2	18.1	15.3	14.6	13.3
SD00-1258R	19.4	17.8	15.7	15.2	13.3
SDX00R-020-18	20.3	18.9	18.4	16.6	14.2
SDX00R-035-39	17.6	14.2	13.2	12.9	11.5
SDX00R-046-29	18.3	16.2	14.7	13.3	13.4

UNIFORM TEST 0 Roundup-Ready, 2004

SEED QUALITY (score)

Strain	Mean 8 Tests	Fayetteville* irrigated AR	Grand Traverse Co. MI	Montmorency Co. MI	Morris MN	Rosemount MN	Casselton ND
RG405RR	1.9	3.0			1.0	1.7	3.0
RG200RR	1.7	2.8			1.0	1.7	1.0
AG0801	1.7	1.7			1.0	1.0	1.0
SD1091RR (L)	1.6	2.5			1.0	1.3	1.0
M97-304146RR	1.7	2.8			1.3	1.3	2.0
SD93-1233T	1.7	2.2			1.0	1.0	1.0
SD00-1037R	1.6	2.0			1.0	1.0	1.0
SD00-1251R	1.7	2.2			1.3	1.0	1.0
SD00-1258R	1.5	2.0			1.3	1.0	1.0
SDX00R-020-18	1.7	2.0			1.3	1.0	1.0
SDX00R-035-39	1.6	2.2			1.0	1.3	1.0
SDX00R-046-29	1.9	2.7			1.3	1.3	1.0

*Data not included in mean.

UNIFORM TEST 0 Roundup-Ready, 2004**SEED QUALITY (score)**

Strain	Ottawa Ont	St. Bruno Que.	Arlington SD	Brookings SD	Watertown SD
RG405RR	2.3	1.5	2.0	2.0	2.0
RG200RR	2.7	1.0	2.0	2.0	2.0
AG0801	3.2	1.5	2.0	2.0	2.0
SD1091RR (L)	2.4	1.0	2.0	2.0	2.0
M97-304146RR	1.7	1.0	2.0	2.0	2.0
SD93-1233T	2.7	1.0	2.0	3.0	2.0
SD00-1037R	2.4	1.0	2.0	2.0	2.0
SD00-1251R	2.3	1.0	2.0	3.0	2.0
SD00-1258R	2.0	1.0	2.0	2.0	2.0
SDX00R-020-18	2.3	1.0	2.0	3.0	2.0
SDX00R-035-39	2.7	1.0	2.0	2.0	2.0
SDX00R-046-29	2.2	2.0	2.0	3.0	2.0

UNIFORM TEST 0 Roundup-Ready, 2004

PROTEIN (%)

Strain	Mean 5 Tests	Morris MN	Rosemount MN	Ottawa ONT	St. Bruno Que.	Watertown SD
RG405RR	40.2	41.0	40.4	40.7	40.8	37.8
RG200RR	40.9	41.0	39.4	42.2	42.7	39.0
AG0801	40.4	40.6	41.3	40.3	40.7	39.2
SD1091RR (L)	41.7	39.9	41.8	42.5	42.4	41.7
M97-304146RR	41.1	41.9	41.3	41.6	41.0	39.9
SD93-1233T	42.3	42.9	41.8	42.9	42.8	41.2
SD00-1037R	40.8	41.9	42.1	41.2	39.8	38.9
SD00-1251R	41.6	42.8	40.9	41.6	42.5	40.0
SD00-1258R	41.7	41.5	41.3	42.4	41.8	41.3
SDX00R-020-18	39.7	40.4	40.3	40.0	39.4	38.1
SDX00R-035-39	39.6	40.2	40.1	38.8	39.8	39.1
SDX00R-046-29	41.3	41.9	38.9	42.2	42.4	41.0

UNIFORM TEST 0 Roundup-Ready, 2004

OIL (%)

Strain	Mean 5 Tests	Morris MN	Rosemount MN	Ottawa ONT	St. Bruno Que.	Watertown SD
RG405RR	19.7	18.4	18.4	21.5	20.9	19.3
RG200RR	18.4	17.3	17.3	19.9	19.6	17.7
AG0801	19.0	17.7	17.8	21.0	20.6	17.9
SD1091RR (L)	19.0	18.0	17.3	20.9	20.1	18.8
M97-304146RR	19.2	18.6	18.1	20.9	20.5	18.2
SD93-1233T	19.1	17.8	18.4	20.7	20.1	18.5
SD00-1037R	19.3	18.2	17.9	20.9	21.0	18.7
SD00-1251R	18.8	17.4	17.9	20.8	19.8	18.3
SD00-1258R	18.8	18.0	17.9	20.5	19.9	17.7
SDX00R-020-18	19.9	18.3	18.9	21.9	21.3	18.8
SDX00R-035-39	19.6	18.2	18.0	22.0	21.1	18.6
SDX00R-046-29	19.0	17.7	18.7	20.8	20.0	18.1

Preliminary Test 0 Roundup-Ready, 2004

Ent.	Strain	Parentage	Generation Compositied	Unique Traits
1.	RG405RR	Barnes*3 x (Council x Resnick(RR))	F3	Rps 6
2.	RG200RR	Trall*3 x (Council x Resnick(RR))		RR
3.	AG0801			
4.	SD1091RR (L)	Surge (3) x ResnikRR	F4	RR, Seg Rps1-a
5.	M98-331009	MN0302 x M96-133030	F5	Rps1k, RR
6.	M98-332122	M91-198009 x M96-133047	F5	Rps1, RR
7.	M99-112009	IA1006 x M96-133019	F4	BSR, RR
8.	M99-113005	M96-133019 x Dwight	F4	SCN,RR
9.	ND96-8929E	Walsh*3 x ND92-2381(RR)	F4	Rps 6
10.	ND96-8929L	Walsh*3 x ND92-2381(RR)	F4	Rps 6
11.	ND01-2482	ND93-6247 x (ND92-2381*3 x Resnik)	F4	Rps1k
12.	ND01-2489	ND93-6247 x (ND92-2381*3 x Resnik)	F4	Rps1k
13.	ND01-2667	ND95-9524 x (ND92-2381*3 x Resnik)	F4	Rps 6
14.	ND01-2679	ND95-952 x (ND92-2381*3 x Resnick)	F4	Rps 6
15.	SDX00-009R-18	HS96-3332 x SD1091RR	F4	RR
16.	SDX00-022R-16	Parker x SD1081RR	F4	RR
17.	SDX00-022R-25	Parker x SD1081RR	F4	RR
18.	SDX00-022R-33	Parker x SD1081RR	F5	RR
19.	SDX00R-017-52	A97-770051 x SD93-828R	F4	RR
20.	SDX00R-035-24	A97-771039 X SD1081RR	F5	RR
21.	SDX00R-035-50	A97-771039 X SD1081RR	F4	RR
22.	SD01-187R	SD96-170 (1) x SD1091RR	F5	RR
23.	SD01-1068R	SD93-1043 x SD1091RR	F5	RR
24.	SD01-1071R	SD93-1043 x SD1091RR	F5	RR
25.	SD01-1200R	SD94-1276 x SD1091RR	F5	RR
26.	SD01-1253R	SD94-1276 x SD1091RR	F4	RR
27.	SD01-1780R	SD94-1480 x SD1091RR	F5	RR
28.	SD01-2021R	SD94-238 x SD1091RR	F5	RR
29.	SD01-2475R	Stride (1) x Resnik RR	F5	RR
30.	SD01-2673R	Resnik RR x SD1081RR (2)	F4	RR
31.	SD01-2690R	Resnik RR x SD1081RR (2)	F5	RR
32.	SD01-2693R	Resnik RR x SD1081RR (2)	F5	RR
33.	SD01-2736R	Resnik RR x SD1081RR (2)	F5	RR

PRELIMINARY TEST 0 Roundup Ready, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score		Green Stem Score	Shattering Score	PR Lafayette	
		Wilkin Co. MN	Casselton ND	St. Bruno Que	Manhattan KS	Race 4	Race 7
RG405RR	PGBDYBfI	4.4	2.0	1.5	1.0	R	H*
RG200RR	PTBIYLgrI	3.8	2.0	1.5	2.0	S	S
AG0801	PTBDYLbII	3.8	2.0	3.5	2.0	H	R
SD1091RR (L)	PGBDYIbI	4.1	2.3	2.0	1.0	S	H*
M98-331009	PTTDYBrI	4.2	3.0	1.0	1.0	R	H
M98-332122	PTBIYBII	4.3	3.7	2.5	1.0	R*	R*
M99-112009	P+WGBDYDbfI	4.3	3.7	2.5	1.0	S	S
M99-113005	PGTDYIbI	4.0	3.3	2.0	1.0	S	S
ND96-8929E	PGBDYLgrI	3.8	2.3	2.5	1.0	R	R*
ND96-8929L	PGBDYLgrI	3.8	2.0	2.0	1.0	R	H*
ND01-2482	PGBDYLgrI	3.9	2.7	2.5	1.0	H	H
ND01-2489	PGBDYY+LgrI	3.8	3.0	2.0	1.0	R	R
ND01-2667	WGSDYLbfI	3.9	3.0	2.0	1.0	R	R*
ND01-2679	WGTDYYI	4.0	2.3	3.0	1.0	R	R*
SDX00-009R-18	PGBDYIbI	4.1	3.3	1.5	1.0	S	R
SDX00-022R-16	WGBDYYI	3.8	3.0	3.0	1.0	S	S
SDX00-022R-25	P+WGBDYY+BfI	3.8	3.7	2.0	1.0	S	S
SDX00-022R-33	P+WGBDYY+BfI	3.7	2.7	2.0	1.0	S	S
SDX00R-017-52	PGBDYIbI	4.0	2.7	1.0	1.0	R	H
SDX00R-035-24	WGBDYBfI	4.4	3.3	2.5	1.0	S	S
SDX00R-035-50	PGBDYYI	4.3	3.3	1.5	1.0	S	S
SD01-187R	PGBDYBfI	3.9	3.0	2.5	2.0	R	R
SD01-1068R	PGSDYBfI	4.2	2.3	1.5	1.0	S	S
SD01-1071R	PGTDYIbI	4.4	2.0	1.5	1.0	S	S
SD01-1200R	PTBDYBII	4.2	3.0	1.5	2.0	S	S
SD01-1253R	PGBDYIbI	4.0	2.3	2.5	1.0	S	S
SD01-1780R	PGBDYLbfI	4.1	2.7	2.0	1.0	S	S
SD01-2021R	WGBDYBfI	4.4	2.7	2.5	1.0	S	S
SD01-2475R	PGBIYIbI	4.1	3.7	2.0	1.0	S	S
SD01-2673R	PGBDYDbfI	4.2	2.0	3.0	1.0	S	S
SD01-2690R	PGBDYDbfI	4.2	2.7	3.0	1.0	S	S
SD01-2693R	PGBDYYI	3.9	3.0	3.0	1.0	S	S
SD01-2736R	PGBDYYI	4.1	2.7	2.5	1.0	S	S

Frogeye Leaf Spot S = susceptible, blank = lesions not detected

* = entry/*P. sojae* reaction questionable.

PRELIMINARY TEST 0 Roundup Ready, 2004

REGIONAL SUMMARY

No. of Tests Strain	Yield 6 bu/a	Rank 6 No.	Maturity 7 Date	Lodging 6 Score	Plant Height 6 In.	Seed Size 7 g/100	Seed Quality 7 Score	Composition	
								Protein 5 %	Oil 5 %
RG405RR	38.4	23	9/25	1.1	30	15.3	2.1	38.5	20.4
RG200RR	33.7	33	-4.7	1.0	25	14.1	1.5	40.5	18.3
AG0801	42.1	2	2.9	1.1	31	15.0	1.5	38.5	19.3
SD1091RR (L)	37.6	25	6.4	1.1	28	16.7	1.9	44.1	19.0
M98-331009	35.7	30	1.1	1.1	28	15.6	1.5	41.9	18.9
M98-332122	40.4	9	7.0	1.0	27	12.4	1.6	41.8	18.1
M99-112009	38.8	20	4.7	1.2	29	14.3	1.9	39.8	19.3
M99-113005	40.1	11	7.3	1.2	28	15.6	1.7	40.3	19.2
ND96-8929E	34.3	32	-2.0	1.0	27	14.3	1.6	39.6	19.1
ND96-8929L	34.5	31	0.6	1.0	28	13.9	1.7	39.8	18.8
ND01-2482	37.6	25	0.9	1.0	28	13.2	1.6	38.7	19.7
ND01-2489	40.0	12	2.1	1.0	28	13.3	2.2	37.9	19.8
ND01-2667	38.7	22	4.0	1.0	28	16.2	1.9	38.5	20.4
ND01-2679	41.6	6	3.7	1.0	30	15.6	2.0	39.4	19.7
SDX00-009R-18	39.8	14	7.7	1.0	26	15.9	2.0	40.4	19.0
SDX00-022R-16	39.5	15	3.6	1.4	30	13.0	1.8	39.5	19.2
SDX00-022R-25	39.3	18	5.1	1.6	29	14.2	2.3	38.2	19.6
SDX00-022R-33	39.5	15	2.9	1.3	29	13.5	1.7	38.0	19.7
SDX00R-017-52	44.6	1	11.3	1.2	31	12.8	1.8	37.5	20.7
SDX00R-035-24	41.8	5	7.7	1.1	28	13.8	2.1	38.5	19.2
SDX00R-035-50	42.0	3	5.9	1.1	30	15.8	2.0	38.6	19.6
SD01-187R	37.7	24	6.3	1.1	29	14.2	1.7	40.3	19.7
SD01-1068R	40.4	9	10.4	1.0	29	16.0	2.1	38.4	20.0
SD01-1071R	40.0	12	6.0	1.1	31	17.2	2.0	40.4	18.9
SD01-1200R	40.7	8	6.0	1.2	29	16.6	1.7	40.5	19.4
SD01-1253R	37.4	28	0.3	1.0	27	15.9	1.8	41.3	18.2
SD01-1780R	36.7	29	5.4	1.3	30	15.9	1.5	40.2	19.0
SD01-2021R	39.4	17	9.0	1.5	31	14.8	1.5	40.7	19.2
SD01-2475R	41.9	4	9.0	1.0	26	13.7	1.7	37.7	20.3
SD01-2673R	37.6	25	3.7	1.0	28	15.0	2.3	39.2	19.2
SD01-2690R	41.1	7	9.0	1.1	30	15.0	2.4	38.8	19.7
SD01-2693R	38.8	20	6.9	1.0	28	16.1	2.2	39.5	19.6
SD01-2736R	39.0	19	5.4	1.0	29	14.7	2.2	38.9	19.7

132.9 Days After Planting

PRELIMINARY TEST 0 Roundup Ready, 2004

YIELD (bu/a)

Strain	Mean	Morris MN	Rosemount MN	Casselton* ND	Ottawa ONT	St Bruno	Brookings SD	Watertown SD
	6 Tests					Montarville Que.		
RG405RR	38.4	30.3	31.8	28.7	41.3	60.4	42.6	23.7
RG200RR	33.7	28.6	30.7	31.7	35.7	42.7	39.1	25.7
AG0801	42.1	32.5	35.9	36.5	46.4	63.6	49.7	24.5
SD1091RR (L)	37.6	31.5	31.4	28.1	47.5	50.5	38.2	26.6
M98-331009	35.7	31.0	29.2	19.2	40.6	48.7	42.0	22.8
M98-332122	40.4	37.5	33.0	21.0	46.1	52.3	46.3	26.9
M99-112009	38.8	30.1	36.0	15.9	44.4	51.1	41.6	29.6
M99-113005	40.1	32.8	34.7	13.5	44.0	60.8	38.6	29.9
ND96-8929E	34.3	26.0	37.2	28.8	40.3	42.4	36.3	23.8
ND96-8929L	34.5	26.9	31.3	30.6	43.5	43.4	34.8	27.0
ND01-2482	37.6	29.7	38.6	21.4	42.6	42.8	41.5	30.2
ND01-2489	40.0	37.7	34.0	25.8	47.1	47.9	48.2	25.3
ND01-2667	38.7	35.6	35.5	22.9	46.5	47.7	43.7	22.9
ND01-2679	41.6	38.3	33.5	28.5	47.5	56.8	48.3	25.1
SDX00-009R-18	39.8	35.3	39.9	17.5	48.0	53.6	38.6	23.2
SDX00-022R-16	39.5	33.0	35.4	22.6	45.3	46.1	47.5	30.0
SDX00-022R-25	39.3	34.5	35.4	17.8	44.6	56.8	43.7	20.5
SDX00-022R-33	39.5	33.0	35.2	30.3	45.8	49.2	43.7	30.2
SDX00R-017-52	44.6	33.8	38.5	20.3	50.3	65.4	45.8	33.6
SDX00R-035-24	41.8	38.2	29.1	19.5	50.9	58.0	43.0	31.6
SDX00R-035-50	42.0	32.9	35.7	9.1	51.0	61.8	45.8	25.1
SD01-187R	37.7	34.1	27.9	23.3	45.0	54.8	39.1	25.3
SD01-1068R	40.4	30.0	34.9	20.8	45.7	62.4	42.6	27.0
SD01-1071R	40.0	32.0	38.1	25.8	47.3	52.8	43.9	26.1
SD01-1200R	40.7	35.9	34.6	18.0	45.8	59.3	43.8	24.8
SD01-1253R	37.4	31.9	32.2	30.0	44.6	47.6	44.0	24.2
SD01-1780R	36.7	33.0	30.2	21.5	42.4	53.4	37.7	23.6
SD01-2021R	39.4	36.1	32.5	18.1	47.8	52.6	41.4	25.9
SD01-2475R	41.9	37.7	36.6	17.0	47.4	58.2	41.7	29.6
SD01-2673R	37.6	33.0	34.9	33.0	45.9	47.5	41.1	23.4
SD01-2690R	41.1	33.2	34.9	21.4	48.5	62.0	41.5	26.3
SD01-2693R	38.8	29.7	34.7	22.6	48.9	61.6	34.9	23.3
SD01-2736R	39.0	32.0	35.9	26.6	48.7	48.2	42.8	26.6
C.V. (%)		11.7	14.5	32.2	4.7	10.6	8.6	17.2
L.S.D. (5%)		7.8	10.1	12.9	3.5	11.5	7.4	9.2
Row Sp. (In.)		10	10	30	16	7	30	30
Rows/Plot		4	4	4	4	5	4	4
Reps		2	2	3	3	2	2	2

*Data not included in mean.

PRELIMINARY TEST 0 Roundup Ready, 2004

YIELD RANK

Strain	Yield Rank	St Bruno						
		Morris MN	Rosemount MN	Casselton ND	Ottawa ONT	Montarville Que.	Brookings SD	Watertown SD
RG405RR	23	26	26	7	30	8	16	26
RG200RR	33	31	29	3	33	32	25	17
AG0801	2	20	8	1	15	2	1	23
SD1091RR (L)	25	24	27	10	9	21	29	12
M98-331009	30	25	31	25	31	23	18	32
M98-332122	9	5	23	21	16	19	5	11
M99-112009	20	27	7	31	25	20	20	7
M99-113005	11	19	18	32	26	7	27	6
ND96-8929E	32	33	5	7	32	33	31	25
ND96-8929L	31	32	28	4	27	30	33	9
ND01-2482	25	29	2	20	28	31	21	3
ND01-2489	12	3	21	12	13	25	3	18
ND01-2667	22	8	11	15	14	26	11	31
ND01-2679	6	1	22	9	10	13	2	20
SDX00-009R-18	14	9	1	29	7	15	27	30
SDX00-022R-16	15	14	12	16	21	29	4	5
SDX00-022R-25	18	10	12	28	23	12	12	33
SDX00-022R-33	15	14	14	5	19	22	12	3
SDX00R-017-52	1	12	3	23	3	1	6	1
SDX00R-035-24	5	2	32	24	2	11	14	2
SDX00R-035-50	3	18	10	33	1	5	6	20
SD01-187R	24	11	33	14	22	14	25	18
SD01-1068R	9	28	15	22	20	3	16	9
SD01-1071R	12	21	4	12	12	17	9	15
SD01-1200R	8	7	20	27	18	9	10	22
SD01-1253R	28	23	25	6	24	27	8	24
SD01-1780R	29	14	30	18	29	16	30	27
SD01-2021R	17	6	24	26	8	18	23	16
SD01-2475R	4	3	6	30	11	10	19	7
SD01-2673R	25	14	15	2	17	28	24	28
SD01-2690R	7	13	15	19	6	4	21	14
SD01-2693R	20	29	18	16	4	6	32	29
SD01-2736R	19	21	8	11	5	24	15	12

PRELIMINARY TEST 0 Roundup Ready, 2004

MATURITY (date)

Strain	Mean	Morris MN	Rosemount MN	Casselton ND	Ottawa ONT	St Bruno		
	7 Tests					Montarville Que.	Brookings SD	Watertown SD
RG405RR	9/25	9/27	9/12	10/2	9/7	9/23	9/18	10/28
RG200RR	-4.7	-4	1	-13	-5	-5	-2	-5
AG0801	2.9	2	3	0	8	5	3	-1
SD1091RR (L)	6.4	6	6	6	11	5	6	5
M98-331009	1.1	1	3	2	4	-2	1	-1
M98-332122	7.0	6	7	6	12	5	4	9
M99-112009	4.7	7	2	8	4	2	6	4
M99-113005	7.3	9	6	7	14	3	6	6
ND96-8929E	-2.0	-4	-1	-9	0	-6	7	-1
ND96-8929L	0.6	0	-1	-6	2	0	8	1
ND01-2482	0.9	-1	0	1	1	-4	7	2
ND01-2489	2.1	2	0	2	3	0	8	0
ND01-2667	4.0	3	4	5	10	3	4	-1
ND01-2679	3.7	1	2	4	6	-1	4	10
SDX00-009R-18	7.7	7	5	7	13	7	7	8
SDX00-022R-16	3.6	2	7	4	5	4	1	2
SDX00-022R-25	5.1	1	5	7	6	5	7	5
SDX00-022R-33	2.9	0	4	2	4	3	5	2
SDX00R-017-52	11.3	9	11	7	16	12	10	14
SDX00R-035-24	7.7	6	8	8	11	9	3	9
SDX00R-035-50	5.9	6	6	8	9	7	4	1
SD01-187R	6.3	4	6	4	6	8	8	8
SD01-1068R	10.4	9	9	8	14	12	9	12
SD01-1071R	6.0	5	5	6	11	4	5	6
SD01-1200R	6.0	4	7	7	10	5	7	2
SD01-1253R	0.3	1	1	-1	3	0	1	-3
SD01-1780R	5.4	5	5	4	9	2	6	7
SD01-2021R	9.0	10	7	7	13	7	10	9
SD01-2475R	9.0	9	8	8	12	9	8	9
SD01-2673R	3.7	3	6	2	5	3	6	1
SD01-2690R	9.0	6	10	8	13	8	9	9
SD01-2693R	6.9	6	8	7	9	7	7	4
SD01-2736R	5.4	4	8	3	9	4	6	4
Date Planted	5/15	5/20	5/7	5/20	5/14	5/29	5/13	5/5
Days to Mature	133	130	128	135	116	117	128	176

PRELIMINARY TEST 0 Roundup Ready, 2004

LODGING (score)

Strain	Mean 6 Tests	Morris MN	Rosemount MN	Casselton ND	Ottawa ONT	St Bruno Montarville Que.	Brookings SD	Watertown SD
RG405RR	1.1		1.0	1.0	1.3	1.0	1.0	1.0
RG200RR	1.0		1.0	1.0	1.0	1.0	1.0	1.0
AG0801	1.1		1.0	1.0	1.4	1.0	1.0	1.0
SD1091RR (L)	1.1		1.0	1.0	1.8	1.0	1.0	1.0
M98-331009	1.1		1.0	1.0	1.2	1.5	1.0	1.0
M98-332122	1.0		1.0	1.0	1.0	1.0	1.0	1.0
M99-112009	1.2		1.0	1.0	1.4	1.5	1.0	1.0
M99-113005	1.2		1.0	1.0	1.4	2.0	1.0	1.0
ND96-8929E	1.0		1.0	1.0	1.2	1.0	1.0	1.0
ND96-8929L	1.0		1.0	1.0	1.1	1.0	1.0	1.0
ND01-2482	1.0		1.0	1.0	1.1	1.0	1.0	1.0
ND01-2489	1.0		1.0	1.0	1.0	1.0	1.0	1.0
ND01-2667	1.0		1.0	1.0	1.2	1.0	1.0	1.0
ND01-2679	1.0		1.0	1.0	1.0	1.0	1.0	1.0
SDX00-009R-18	1.0		1.0	1.0	1.2	1.0	1.0	1.0
SDX00-022R-16	1.4		1.0	1.0	1.3	2.0	2.0	1.0
SDX00-022R-25	1.6		1.0	1.0	3.0	2.5	1.0	1.0
SDX00-022R-33	1.3		1.0	1.0	1.5	2.0	1.0	1.0
SDX00R-017-52	1.2		1.0	1.0	1.8	1.5	1.0	1.0
SDX00R-035-24	1.1		1.0	1.0	1.2	1.5	1.0	1.0
SDX00R-035-50	1.1		1.0	1.0	1.2	1.5	1.0	1.0
SD01-187R	1.1		1.0	1.0	1.4	1.0	1.0	1.0
SD01-1068R	1.0		1.0	1.0	1.1	1.0	1.0	1.0
SD01-1071R	1.1		1.0	1.0	1.5	1.0	1.0	1.0
SD01-1200R	1.2		1.0	1.0	1.7	1.5	1.0	1.0
SD01-1253R	1.0		1.0	1.0	1.1	1.0	1.0	1.0
SD01-1780R	1.3		1.0	1.0	1.5	2.0	1.0	1.0
SD01-2021R	1.5		1.5	1.3	2.8	1.5	1.0	1.0
SD01-2475R	1.0		1.0	1.0	1.0	1.0	1.0	1.0
SD01-2673R	1.0		1.0	1.0	1.1	1.0	1.0	1.0
SD01-2690R	1.1		1.0	1.0	1.4	1.0	1.0	1.0
SD01-2693R	1.0		1.0	1.0	1.0	1.0	1.0	1.0
SD01-2736R	1.0		1.0	1.0	1.2	1.0	1.0	1.0

PRELIMINARY TEST 0 Roundup Ready, 2004

PLANT HEIGHT (inches)

Strain	6 Tests	Morris MN	Rosemount MN	Casselton ND	Ottawa ONT	St Bruno		
						Montarville Que.	Brookings SD	Watertown SD
RG405RR	30		29	31	34	32	28	26
RG200RR	25		22	25	29	25	28	22
AG0801	31		31	30	35	31	33	23
SD1091RR (L)	28		24	28	35	26	30	26
M98-331009	28		28	25	35	31	23	24
M98-332122	27		26	21	33	31	29	24
M99-112009	29		28	23	36	29	31	29
M99-113005	28		28	19	33	33	27	28
ND96-8929E	27		30	26	31	28	22	24
ND96-8929L	28		28	26	34	30	25	26
ND01-2482	28		29	23	33	27	28	28
ND01-2489	28		29	26	32	26	28	24
ND01-2667	28		27	26	34	24	30	28
ND01-2679	30		28	27	34	29	33	27
SDX00-009R-18	26		24	22	33	30	23	22
SDX00-022R-16	30		26	27	33	29	34	28
SDX00-022R-25	29		30	24	34	29	30	24
SDX00-022R-33	29		27	26	32	30	31	28
SDX00R-017-52	31		31	25	36	32	30	30
SDX00R-035-24	28		23	23	32	31	29	28
SDX00R-035-50	30		31	22	35	36	28	25
SD01-187R	29		27	26	32	30	31	26
SD01-1068R	29		28	26	34	32	32	23
SD01-1071R	31		29	29	37	31	32	28
SD01-1200R	29		30	23	32	30	31	25
SD01-1253R	27		27	27	30	25	29	26
SD01-1780R	30		29	28	34	31	30	27
SD01-2021R	31		32	27	37	30	34	25
SD01-2475R	26		25	22	31	26	29	24
SD01-2673R	28		30	28	32	25	30	24
SD01-2690R	30		29	26	35	30	28	33
SD01-2693R	28		28	26	32	31	29	24
SD01-2736R	29		28	27	33	27	32	25

PRELIMINARY TEST 0 Roundup Ready, 2004

SEED SIZE (g/100)

Strain	Mean	Morris MN	Rosemount MN	Casselton ND	Ottawa ONT	St Bruno		
	7 Tests					Montarville Que.	Brookings SD	Watertown SD
RG405RR	15.3	17.0	14.1	17.1	17.0	16.7	13.0	12.4
RG200RR	14.1	15.0	13.2	14.1	16.4	15.7	13.0	11.4
AG0801	15.0	15.6	14.3	15.1	17.4	16.9	12.9	13.0
SD1091RR (L)	16.7	18.6	16.6	15.8	19.5	17.1	14.8	14.2
M98-331009	15.6	17.4	14.2	16.8	18.0	16.8	13.3	12.6
M98-332122	12.4	13.8	11.7	12.0	14.9	12.9	11.6	10.2
M99-112009	14.3	14.7	13.7	15.0	16.0	15.3	13.1	12.3
M99-113005	15.6	16.5	15.1	14.6	17.9	16.4	13.9	15.1
ND96-8929E	14.3	15.1	13.5	15.8	16.5	14.5	12.0	12.5
ND96-8929L	13.9	15.1	13.5	13.4	16.1	14.6	11.7	13.1
ND01-2482	13.2	14.3	11.7	14.6	14.2	13.5	11.0	12.8
ND01-2489	13.3	15.2	12.0	14.2	14.3	14.0	12.1	11.1
ND01-2667	16.2	19.0	14.2	17.1	18.8	16.9	14.1	13.4
ND01-2679	15.6	17.6	14.8	17.5	17.6	16.2	13.6	11.9
SDX00-009R-18	15.9	17.4	15.4	13.7	18.5	17.1	14.7	14.4
SDX00-022R-16	13.0	14.0	13.5	14.7	14.4	13.2	10.4	11.1
SDX00-022R-25	14.2	15.0	12.3	14.2	16.0	15.9	13.4	12.6
SDX00-022R-33	13.5	14.4	12.2	14.1	16.2	14.5	12.0	11.2
SDX00R-017-52	12.8	12.7	12.4	10.8	15.1	13.5	11.7	13.1
SDX00R-035-24	13.8	15.6	13.6	13.3	15.6	14.6	12.3	11.6
SDX00R-035-50	15.8	17.4	15.3	13.7	18.3	18.7	14.2	13.0
SD01-187R	14.2	14.2	13.1	13.3	16.0	14.9	14.4	13.2
SD01-1068R	16.0	15.6	15.2	16.2	18.5	18.0	14.9	13.5
SD01-1071R	17.2	18.3	16.3	17.0	19.3	17.5	16.6	15.2
SD01-1200R	16.6	18.9	15.4	15.7	19.1	18.6	13.6	15.0
SD01-1253R	15.9	17.8	14.4	16.0	18.9	16.2	14.2	13.6
SD01-1780R	15.9	17.5	15.1	14.9	17.7	16.4	15.3	14.1
SD01-2021R	14.8	15.9	13.1	13.3	18.4	17.2	12.7	12.8
SD01-2475R	13.7	15.0	12.8	13.6	15.9	14.5	12.5	11.8
SD01-2673R	15.0	16.2	14.3	13.6	18.7	15.8	14.1	12.5
SD01-2690R	15.0	15.0	14.9	14.6	18.7	16.4	12.9	12.7
SD01-2693R	16.1	16.2	15.2	16.0	18.9	17.6	14.5	14.0
SD01-2736R	14.7	15.5	14.4	14.6	16.7	15.0	13.5	13.3

PRELIMINARY TEST 0 Roundup-Ready, 2004

SEED QUALITY (score)

Strain	Mean	Morris MN	Rosemount MN	Casselton ND	Ottawa ONT	St Bruno	Brookings SD	Watertown SD
	7 Tests					Montarville Que.		
RG405RR	2.1	1.3	1.5	5.0	1.7	1.0	2.0	2.0
RG200RR	1.5	1.3	1.5	1.0	2.0	1.0	2.0	2.0
AG0801	1.5	1.3	1.2	1.0	1.7	1.0	2.0	2.0
SD1091RR (L)	1.9	1.3	1.7	2.0	2.3	1.0	3.0	2.0
M98-331009	1.5	1.3	1.3	1.0	1.7	1.0	2.0	2.0
M98-332122	1.6	1.7	1.3	2.0	1.3	1.0	2.0	2.0
M99-112009	1.9	2.0	1.8	1.0	2.3	1.0	3.0	2.0
M99-113005	1.7	1.3	1.5	1.0	3.0	1.0	2.0	2.0
ND96-8929E	1.6	1.3	2.0	1.0	2.0	1.0	2.0	2.0
ND96-8929L	1.7	1.3	1.7	2.0	2.0	1.0	3.0	1.0
ND01-2482	1.6	1.7	1.5	1.0	1.7	1.0	2.0	2.0
ND01-2489	2.2	1.7	2.0	4.0	2.7	1.0	2.0	2.0
ND01-2667	1.9	1.3	1.5	3.0	2.7	1.0	2.0	2.0
ND01-2679	2.0	1.3	1.5	5.0	1.0	1.0	2.0	2.0
SDX00-009R-18	2.0	1.3	1.5	3.0	2.0	1.5	3.0	2.0
SDX00-022R-16	1.8	1.3	1.2	2.0	1.3	1.5	3.0	2.0
SDX00-022R-25	2.3	1.3	1.5	4.0	2.3	2.0	3.0	2.0
SDX00-022R-33	1.7	1.3	1.5	2.0	2.0	1.0	2.0	2.0
SDX00R-017-52	1.8	1.3	1.7	2.0	2.7	1.0	2.0	2.0
SDX00R-035-24	2.1	1.7	1.5	4.0	1.7	2.0	3.0	1.0
SDX00R-035-50	2.0	1.3	1.6	2.0	3.0	2.0	2.0	2.0
SD01-187R	1.7	1.3	1.7	2.0	2.3	1.5	2.0	1.0
SD01-1068R	2.1	1.3	1.5	4.0	2.7	1.5	2.0	2.0
SD01-1071R	2.0	1.3	1.5	4.0	2.0	1.0	2.0	2.0
SD01-1200R	1.7	1.3	1.5	1.0	2.3	1.5	3.0	1.0
SD01-1253R	1.8	1.3	1.5	2.0	2.0	1.5	2.0	2.0
SD01-1780R	1.5	1.3	1.5	2.0	1.7	1.0	2.0	1.0
SD01-2021R	1.5	1.3	2.0	1.0	2.0	1.0	2.0	1.0
SD01-2475R	1.7	1.3	1.5	3.0	2.3	1.0	2.0	1.0
SD01-2673R	2.3	1.3	1.5	3.0	3.0	2.0	3.0	2.0
SD01-2690R	2.4	1.3	1.7	4.0	3.0	2.0	3.0	2.0
SD01-2693R	2.2	1.3	2.0	3.0	3.0	2.0	2.0	2.0
SD01-2736R	2.2	1.3	1.5	5.0	2.3	1.5	2.0	2.0

PRELIMINARY TEST 0 Roundup Ready, 2004

PROTEIN (%)

Strain	Mean 5 Tests	Morris MN	Casselton ND	Ottawa ONT	St Bruno Montarville QUE	Watertown SD
RG405RR	38.5	40.5	35.4	39.9	39.4	37.2
RG200RR	40.5	43.3	36.1	41.8	42.2	39.1
AG0801	38.5	39.6	34.7	40.6	39.1	38.7
SD1091RR (L)	44.1	43.8	36.0	43.3	42.3	55.0
M98-331009	41.9	45.2	36.6	43.4	43.0	41.3
M98-332122	41.8	43.9	37.3	43.8	42.8	41.2
M99-112009	39.8	42.3	34.5	41.9	40.7	39.4
M99-113005	40.3	42.5	35.5	42.0	40.8	40.7
ND96-8929E	39.6	40.0	35.6	41.9	41.3	39.2
ND96-8929L	39.8	41.0	35.8	41.8	41.2	39.3
ND01-2482	38.7	40.1	35.2	40.3	39.4	38.6
ND01-2489	37.9	38.2	35.0	39.7	38.2	38.6
ND01-2667	38.5	39.5	34.9	39.9	39.8	38.2
ND01-2679	39.4	40.9	35.4	40.8	40.6	39.2
SDX00-009R-18	40.4	41.9	35.0	42.7	41.1	41.2
SDX00-022R-16	39.5	41.1	36.0	41.6	40.7	37.9
SDX00-022R-25	38.2	40.2	34.5	40.0	38.1	38.1
SDX00-022R-33	38.0	39.9	35.0	39.7	38.2	37.0
SDX00R-017-52	37.5	38.6	34.0	40.1	38.2	36.7
SDX00R-035-24	38.5	39.2	35.4	40.1	40.0	37.8
SDX00R-035-50	38.6	39.7	35.3	39.9	39.0	39.3
SD01-187R	40.3	41.5	35.6	41.8	40.9	41.5
SD01-1068R	38.4	39.5	35.3	39.7	39.2	38.1
SD01-1071R	40.4	41.6	35.5	42.2	41.3	41.3
SD01-1200R	40.5	42.2	35.1	42.9	40.9	41.4
SD01-1253R	41.3	43.8	35.9	43.0	41.7	42.3
SD01-1780R	40.2	42.1	35.4	41.7	40.2	41.8
SD01-2021R	40.7	43.3	35.5	42.4	40.9	41.4
SD01-2475R	37.7	39.0	34.1	40.0	37.2	38.1
SD01-2673R	39.2	41.0	34.7	40.1	39.7	40.4
SD01-2690R	38.8	39.8	35.3	40.3	38.8	39.5
SD01-2693R	39.5	41.3	35.3	40.5	39.7	40.8
SD01-2736R	38.9	40.4	34.7	40.3	39.4	39.6

PRELIMINARY TEST 0 Roundup Ready, 2004

OIL (%)

Strain	Mean 5 Tests	Morris MN	Casselton ND	Ottawa ONT	St Bruno Montarville QUE	Watertown SD
RG405RR	20.4	19.6	18.9	21.5	22.2	19.8
RG200RR	18.3	16.5	17.9	19.8	20.1	17.0
AG0801	19.3	17.9	18.5	20.6	21.3	18.1
SD1091RR (L)	19.0	17.8	18.6	20.0	20.6	18.0
M98-331009	18.9	17.1	18.4	20.0	20.7	18.1
M98-332122	18.1	16.5	17.4	19.4	19.7	17.5
M99-112009	19.3	18.0	19.1	20.3	21.2	18.1
M99-113005	19.2	17.7	18.7	20.3	21.2	18.2
ND96-8929E	19.1	18.9	18.1	19.9	20.8	17.7
ND96-8929L	18.8	17.6	18.5	19.8	20.5	17.6
ND01-2482	19.7	18.4	18.9	20.7	21.8	18.6
ND01-2489	19.8	19.2	18.9	21.0	22.0	18.1
ND01-2667	20.4	20.0	19.3	21.3	22.1	19.1
ND01-2679	19.7	18.8	18.8	20.9	21.8	18.2
SDX00-009R-18	19.0	18.0	18.7	19.9	20.5	18.0
SDX00-022R-16	19.2	18.2	18.5	20.0	20.9	18.3
SDX00-022R-25	19.6	18.7	18.6	20.9	21.6	18.5
SDX00-022R-33	19.7	18.4	18.8	21.2	21.8	18.4
SDX00R-017-52	20.7	19.9	19.3	21.7	22.5	20.0
SDX00R-035-24	19.2	17.7	18.7	20.5	20.8	18.3
SDX00R-035-50	19.6	18.2	18.6	21.2	22.0	18.1
SD01-187R	19.7	19.2	18.8	20.5	21.4	18.5
SD01-1068R	20.0	19.1	18.5	21.6	21.9	18.8
SD01-1071R	18.9	17.7	18.6	20.0	20.6	17.8
SD01-1200R	19.4	18.4	18.9	20.4	21.4	17.8
SD01-1253R	18.2	16.9	18.2	19.4	20.0	16.4
SD01-1780R	19.0	18.2	18.3	20.0	20.7	17.6
SD01-2021R	19.2	17.3	18.8	20.6	21.1	18.3
SD01-2475R	20.3	19.1	18.8	21.6	22.5	19.7
SD01-2673R	19.2	17.9	18.5	21.0	21.0	17.5
SD01-2690R	19.7	18.7	18.7	21.1	21.8	18.4
SD01-2693R	19.6	18.4	19.0	21.1	21.5	17.9
SD01-2736R	19.7	18.9	19.0	20.8	21.3	18.5

Uniform Test I Roundup-Ready, 2004

Ent.	Strain	Parentage	Previous Testing	Generation Compositied	Unique Traits
1	AG1602		1		
2.	SD1091RR (0)	Surge (3) x ResnikRR	1	F4	RR, Seg Rps1-a
3.	MN1803RR		1		
4.	DKB20-52				
5.	M98-332069	M91-198009 x M96-133047	new	F5	Rps1, RR
6.	M98-332091	M91-198009 x M96-133047	new	F5	Rps1, RR
7.	M98-332108	M91-198009 x M96-133047	new	F5	Rps1, RR
8.	SD96-170RR-28L	SD96-170(3) x SD1091RR	1	F4	RR
9.	SD00-236R	SD94-57 x SD1091RR	1	F4	RR, Rps1-k , Rps6
10.	SD00-1018R	SD94-27 x SD93-1037RR	1	F4	RR, Rps1-a
11.	SDX00-009R-23	HS96-3332 x SD1091RR	new	F4	RR
12.	SDX00-022R-23	Parker x SD1081RR	new	F4	RR
13.	SDX00-022R-53	Parker x SD1081RR	new	F4	RR
14.	SDX00-022R-54	Parker x SD1081RR	new	F4	RR
15.	SDX00-024R-14	Pioneer P9163 x SD93-828R	new	F4	RR
16.	SDX00-053R-46	SD96-2156 x SD1081RR	new	F4	RR
17.	SDX00-053R-82	SD96-2156 x SD1081RR	new	F4	RR
18.	SDX00R-010-13	Pion 9091 x SD1081RR	new	F4	RR
19.	SDX00R-022-66	Parker x SD1081RR	1	F4	RR
20.	SDX00R-024-58	Pioneer P9163 x SD93-828R	1	F4	RR
21.	SDX00R-029-3	Pioneer P9151 x SD93-828R	1	F4	RR, Rps1-K
22.	SDX00R-035-12	A97-771039 x SD1081RR	1	F4	RR
23.	SDX00R-035-34	A97-771039 X SD1081RR	new	F4	RR
24.	SDX00R-035-42	A97-771039 X SD1081RR	new	F4	RR
25.	SDX00R-035-59	A97-771039 X SD1081RR	new	F4	RR
26.	SDX00R-046-2	SD1091RR x Dwight	1	F4	RR
27.	SD01-67R	Stride (1) x Resnik RR	new	F5	RR
28.	SD01-1075R	SD93-1043 x SD1091RR	new	F5	RR
29.	SD01-1094R	SD93-1043 x SD1091RR	new	F5	RR
30.	SD01-1120R	SD93-1043 x SD1091RR	new	F5	RR
31.	SD01-1792R	SD94-1480 x SD1091RR	new	F5	RR
32.	SD01-1821R	SD94-1480 x SD1091RR	new	F5	RR
33.	SD01-3219R	Stride (1) x Resnik RR	new	F5	RR
34.	SD01-3477R	SD94-782 x SD1091RR	new	F5	RR

UNIFORM TEST I Roundup-Ready, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	FE Chlorosis	Green Stem		Shattering
		Score	Score		Score
		Wilkin Co. MN	Fayetteville AR	St. Bruno Que	Manhattan KS
AG1602	PTTDYBII	4.3	1.0	1.5	1.0
SD1091RR (0)	PGBDYIbI	4.3	1.0	2.5	1.0
MN1803RR	WGBDYBfI	4.2	2.0	1.5	1.0
DKB20-52	PGTIYIbI	4.1	2.3	2.5	1.0
M98-332069	PTTSYBrI	4.2	1.0	1.5	2.0
M98-332091	PSSDYBII	4.3	1.7	1.5	1.0
M98-332108	PSSDYBrI	4.3	1.0	1.5	2.0
SD96-170RR-28L	PGTDYBfI	4.1	1.0	1.5	2.0
SD00-236R	PTBDYBrI	4.0	1.0	2.0	2.0
SD00-1018R	PGTDYIb+BfI	4.1	1.0	3.0	1.0
SDX00-009R-23	PGBDYDbfI	3.9	1.0	2.0	2.0
SDX00-022R-23	WGBDYbYI	3.8	1.0	2.5	1.0
SDX00-022R-53	PGBDYDbfI	4.3	1.0	2.0	1.0
SDX00-022R-54	WGBDYbYI	4.1	1.0	2.5	1.0
SDX00-024R-14	PGBDYBfI	4.0	2.5	1.0	1.0
SDX00-053R-46	P+WGBDYBf+IbI	3.8	2.3	1.5	2.0
SDX00-053R-82	PSBDYBI+IbI	3.5	1.0	1.5	2.0
SDX00R-010-13	PGBDYbYI	4.1	1.0	2.0	1.0
SDX00R-022-66	PGBDYBfI	3.9	1.0	2.0	1.0
SDX00R-024-58	PGBDYIbI	4.0	2.0	1.5	1.0
SDX00R-029-3	PSBDYBI+IbI	3.8	1.0	1.0	1.0
SDX00R-035-12	WGBDYLbfI	4.1	1.0	0.0	1.0
SDX00R-035-34	PGBDYBII	3.9	1.0	1.5	1.0
SDX00R-035-42	PGBDYIbI	4.2	1.0	3.0	1.0
SDX00R-035-59	WGBDYBfI	4.0	1.0	1.5	1.0
SDX00R-046-2	PT+WTDYSI	3.9	1.0	1.0	1.0
SD01-67R	PGBDYIbI	4.3	1.7	2.0	1.0
SD01-1075R	PGSDYBfI	4.2	1.7	1.5	1.0
SD01-1094R	PGSDYBfI	4.0	1.0	1.0	1.0
SD01-1120R	PGTDYBfI	4.3	1.7	1.5	1.0
SD01-1792R	PGBDYIbI	4.0	1.0	2.5	1.0
SD01-1821R	PGBDYIbI	4.4	1.0	2.5	1.0
SD01-3219R	PGBSYIbI	3.7	2.5	2.5	1.0
SD01-3477R	PGBDYIbI	4.4	1.0	1.5	1.0

UNIFORM TEST I Roundup-Ready, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	PR		SDS		PS	FE
	Lafayette Race 4	Lafayette Race 7	Paris IL DX	Ursa IL DX	Lafayette a %	n
AG1602	R	R	4	4	6	
SD1091RR (0)	S	H*	8	2	1	
MN1803RR	S	H	2	10	11	
DKB20-52	R	R	10	7	25	
M98-332069	R*	R*	3	2	7	
M98-332091	R*	R*	2	1	10	
M98-332108	R*	R*	2	4	19	
SD96-170RR-28L	S	S	6	6	5	
SD00-236R	R	R	6	2	20	S
SD00-1018R	R*	R*	20	14	30	
SDX00-009R-23	H	R	10	17	18	S
SDX00-022R-23	S	S	1	1	5	
SDX00-022R-53	S	S	2	8	9	S
SDX00-022R-54	S	S	1	3	15	
SDX00-024R-14	H	R	1	8	17	S
SDX00-053R-46	H	S	1	6	22	S
SDX00-053R-82	S	H	1	1	12	
SDX00R-010-13	S	R	1	0	15	
SDX00R-022-66	S	S	3	4	23	S
SDX00R-024-58	S	R	11	32	21	S
SDX00R-029-3	R	R	1	7	3	
SDX00R-035-12	S	S	2	5	8	
SDX00R-035-34	S	R	14	11	7	
SDX00R-035-42	S	H	3	0	2	
SDX00R-035-59	S	S	6	11	1	
SDX00R-046-2	S	H	6	18	6	
SD01-67R	S	R	4	7	6	
SD01-1075R	S	H	7	13	17	
SD01-1094R	S	H	2	8	15	
SD01-1120R	S	R	6	11	15	S
SD01-1792R	S	R	3	11	12	S
SD01-1821R	S	H	6	12	1	S
SD01-3219R	R	R	12	21	20	S
SD01-3477R	S	S	9	10	11	S

* = entry/*Phytophthora sojae* race reaction questionable.
 Frogeye Leaf Spot S = susceptible, blank = lesions not detected

UNIFORM TEST I Roundup-Ready, 2004

REGIONAL SUMMARY

No. of Tests Strain	Yield 8 bu/a	Rank 8 No.	Maturity 9 Date	Lodging 9 Score	Plant Height 9 In.	Seed Size 9 g/100	Seed Quality 8 Score	Composition	
								Protein 5 %	Oil 5 %
AG1602	46.7	4	9/24	1.2	27	14.3	1.5	38.3	19.5
SD1091RR (0)	40.2	29	-4.9	1.3	28	16.4	1.7	41.7	18.7
MN1803RR	49.0	2	2.1	1.8	33	15.1	1.6	40.7	19.2
DKB20-52	51.7	1	4.2	1.3	30	15.3	1.5	38.9	20.2
M98-332069	44.5	12	-2.1	1.3	30	16.7	1.6	42.7	18.3
M98-332091	44.9	10	2.0	1.4	31	15.4	1.9	43.7	18.8
M98-332108	43.2	20	0.2	1.5	32	14.3	1.7	44.4	17.4
SD96-170RR-28L	43.9	16	-0.1	1.3	30	15.3	1.7	39.2	19.8
SD00-236R	43.7	18	-0.4	1.4	30	14.2	1.5	40.8	19.2
SD00-1018R	41.9	22	-5.3	1.2	30	14.3	1.5	38.5	19.8
SDX00-009R-23	39.8	31	-1.9	1.4	27	14.9	1.7	40.6	19.3
SDX00-022R-23	35.8	33	-5.8	1.3	29	14.2	1.4	40.4	19.3
SDX00-022R-53	40.7	26	-3.3	1.3	29	15.2	1.7	39.6	19.1
SDX00-022R-54	42.5	21	-3.0	1.2	30	15.4	1.6	39.3	19.6
SDX00-024R-14	40.5	28	-1.3	1.2	30	12.1	1.6	38.9	19.2
SDX00-053R-46	45.1	8	2.4	1.5	33	14.7	1.5	38.6	19.7
SDX00-053R-82	44.2	15	-2.3	1.2	29	14.7	1.4	39.6	19.2
SDX00R-010-13	37.8	33	-3.9	1.2	30	13.0	1.5	39.4	19.6
SDX00R-022-66	43.8	17	-4.4	1.3	29	15.6	1.6	39.3	19.4
SDX00R-024-58	45.0	9	0.8	1.6	33	12.2	1.5	38.6	19.1
SDX00R-029-3	45.2	7	2.6	1.3	30	16.1	1.6	39.8	20.4
SDX00R-035-12	41.9	22	6.8	1.5	34	11.6	1.6	37.9	20.1
SDX00R-035-34	44.4	13	-0.2	1.4	31	15.1	1.5	39.4	19.7
SDX00R-035-42	39.7	32	-3.6	1.1	28	13.3	1.6	39.7	19.0
SDX00R-035-59	41.6	24	0.3	1.2	27	15.4	1.7	41.0	19.0
SDX00R-046-2	44.3	14	4.2	1.5	30	14.0	1.5	40.2	19.2
SD01-67R	40.9	25	1.4	1.1	26	15.6	1.5	39.9	19.7
SD01-1075R	46.7	4	2.2	1.3	32	18.3	1.7	39.7	19.9
SD01-1094R	43.4	19	2.6	1.4	29	18.0	1.6	39.5	20.1
SD01-1120R	46.0	6	3.9	1.4	32	18.4	1.5	39.7	20.3
SD01-1792R	40.7	26	-3.8	1.3	29	16.7	1.5	40.9	19.5
SD01-1821R	40.2	29	-2.6	1.3	29	16.8	1.7	40.9	19.0
SD01-3219R	44.6	11	1.3	1.3	30	14.2	1.5	40.3	20.1
SD01-3477R	49.0	2	0.1	1.6	34	14.1	1.5	40.0	19.6

130.2 Days After Planting

UNIFORM TEST I Roundup-Ready, 2004

YIELD (bu/a)

Strain	Mean 8 Tests	Fayetteville*		Ingham							
		irrigated AR	Lafayette IN	Wanatah IN	County MI	Lamberton MN	Waseca MN	St. Bruno Que.	Brookings SD	Sinai* SD	Watertown SD
AG1602	46.7	54.2	41.6	49.7	44.5	46.6	53.4	61.6	41.2	41.3	35.2
SD1091RR (0)	40.2	47.0	33.9	43.1	48.0	37.7	44.1	50.4	36.4	24.5	28.2
MN1803RR	49.0	60.8	50.0	60.3	55.3	44.2	51.0	58.4	41.5	28.1	31.4
DKB20-52	51.7	62.1	55.4	61.4	51.6	53.3	52.3	65.8	44.6	30.1	29.1
M98-332069	44.5	49.9	42.6	52.4	52.6	38.1	49.3	49.0	41.6	21.0	30.2
M98-332091	44.9	54.8	42.1	54.4	49.5	42.8	49.4	51.9	40.8	23.4	28.0
M98-332108	43.2	50.5	38.7	51.0	48.6	42.1	46.0	55.2	36.7	20.9	27.3
SD96-170RR-28L	43.9	59.6	41.5	52.2	53.0	45.1	46.9	44.6	40.6	23.5	27.5
SD00-236R	43.7	49.2	38.0	51.4	48.1	44.9	48.5	53.9	38.5	16.3	26.0
SD00-1018R	41.9	59.8	40.3	45.7	39.7	45.5	48.2	51.2	37.7	19.6	26.8
SDX00-009R-23	39.8	47.9	33.4	45.0	42.4	41.4	42.8	48.5	40.0	18.3	24.6
SDX00-022R-23	35.8	44.7	28.2	41.3	32.6	37.9	38.5	48.6	31.2	14.7	27.8
SDX00-022R-53	40.7	51.9	33.2	48.8	35.4	40.4	47.2	53.4	39.2	23.7	27.8
SDX00-022R-54	42.5	47.8	32.8	50.9	40.9	43.6	40.1	60.0	41.4	18.5	30.1
SDX00-024R-14	40.5	64.8	34.5	48.5	42.8	42.3	53.2	47.0	34.0	22.4	21.5
SDX00-053R-46	45.1	57.9	41.7	57.2	49.3	39.7	54.6	50.4	38.6	23.0	29.6
SDX00-053R-82	44.2	56.9	41.3	54.5	40.4	44.4	47.9	55.2	40.8	25.4	28.7
SDX00R-010-13	37.8	57.9	33.5	46.3	26.0	39.3	46.4	48.6	36.4	24.1	26.2
SDX00R-022-66	43.8	44.9	35.8	49.3	48.6	47.8	50.6	51.0	38.8	18.0	28.4
SDX00R-024-58	45.0	56.1	42.4	51.5	46.9	41.6	58.5	53.0	37.7	18.5	28.5
SDX00R-029-3	45.2	65.5	41.5	49.7	49.2	49.0	49.3	54.7	41.3	30.7	26.7
SDX00R-035-12	41.9	64.1	44.3	60.7	47.5	39.8	44.0	34.9	35.7	18.0	28.4
SDX00R-035-34	44.4	56.8	42.2	52.3	46.2	44.4	48.3	49.3	42.2	19.5	30.3
SDX00R-035-42	39.7	47.3	26.7	41.6	42.5	44.3	48.0	49.3	37.1	19.8	27.9
SDX00R-035-59	41.6	47.6	41.6	51.3	30.5	45.9	48.9	50.3	38.5	20.3	25.4
SDX00R-046-2	44.3	50.0	50.4	56.7	39.8	47.2	46.8	47.9	35.9	26.1	29.5
SD01-67R	40.9	53.0	37.7	47.6	39.9	46.6	50.8	42.1	38.2	17.6	24.3
SD01-1075R	46.7	56.3	47.0	56.8	41.1	44.4	51.6	63.6	39.7	24.7	29.6
SD01-1094R	43.4	56.5	44.0	54.8	42.4	44.3	46.3	47.9	42.2	22.4	25.2
SD01-1120R	46.0	63.8	48.7	59.0	39.1	44.6	55.5	51.4	42.2	20.4	27.4
SD01-1792R	40.7	56.3	33.9	46.2	37.2	46.9	44.3	50.1	39.6	17.5	27.7
SD01-1821R	40.2	52.1	32.9	46.3	44.1	41.9	42.8	47.3	40.0	23.0	26.2
SD01-3219R	44.6	59.1	40.8	53.2	46.1	45.4	52.1	54.5	37.5	13.4	27.4
SD01-3477R	49.0	53.6	51.7	56.4	52.9	47.1	54.5	60.8	39.0	24.5	29.8
C.V. (%)		6.7	10.1	6.7	9.8	7.1	10.6	10.1	7.6	19.9	14.7
L.S.D. (5%)		6.6	6.5	5.6	7.3	5.1	8.4	10.7	4.8	7.2	6.7
Row Sp. (In.)		7.5	24	26	15	10	10	7	30	30	30
Rows/Plot		7	4	4	6	10	10	5	4	4	4
Reps		3	3	3	2	3	3	2	3	3	3

*Data not included in mean.

UNIFORM TEST I Roundup-Ready, 2004

YIELD RANK

Strain	Yield Rank	Fayetteville*		Ingham							
		irrigated AR	Lafayette IN	Wanatah IN	County MI	Lamberton MN	Waseca MN	St. Bruno Que.	Brookings SD	Sinai SD	Watertown SD
AG1602	4	19	14	21	17	7	5	3	9	1	1
SD1091RR (0)	29	32	26	32	12	34	29	19	29	8	15
MN1803RR	2	6	4	3	1	20	10	6	6	4	2
DKB20-52	1	5	1	1	5	1	7	1	1	3	10
M98-332069	12	26	9	13	4	32	14	24	5	18	4
M98-332091	10	18	12	11	6	22	13	14	10	13	16
M98-332108	20	24	21	19	9	24	27	8	28	19	24
SD96-170RR-28L	16	8	16	15	2	12	23	32	12	12	21
SD00-236R	18	27	22	17	11	13	17	11	21	32	29
SD00-1018R	22	7	20	30	28	10	19	16	24	23	25
SDX00-009R-23	31	28	29	31	21	27	31	27	13	27	32
SDX00-022R-23	33	34	33	34	32	33	34	26	34	33	18
SDX00-022R-53	26	23	30	24	31	28	22	12	17	11	18
SDX00-022R-54	21	29	32	20	24	21	33	5	7	25	5
SDX00-024R-14	28	2	25	25	19	23	6	31	33	16	34
SDX00-053R-46	8	10	13	5	7	30	3	18	20	14	7
SDX00-053R-82	15	12	18	10	25	15	21	7	10	6	11
SDX00R-010-13	33	10	28	27	34	31	25	25	29	10	27
SDX00R-022-66	17	33	24	23	10	3	12	17	19	28	13
SDX00R-024-58	9	17	10	16	14	26	1	13	24	26	12
SDX00R-029-3	7	1	16	21	8	2	14	9	8	2	26
SDX00R-035-12	22	3	7	2	13	29	30	34	32	29	13
SDX00R-035-34	13	13	11	14	15	15	18	22	2	24	3
SDX00R-035-42	32	31	34	33	20	18	20	23	27	22	17
SDX00R-035-59	24	30	14	18	33	9	16	20	21	21	30
SDX00R-046-2	14	25	3	7	27	4	24	29	31	5	9
SD01-67R	25	21	23	26	26	7	11	33	23	30	33
SD01-1075R	4	15	6	6	23	15	9	2	15	7	7
SD01-1094R	19	14	8	9	22	18	26	28	2	17	31
SD01-1120R	6	4	5	4	29	14	2	15	2	20	22
SD01-1792R	26	15	26	29	30	6	28	21	16	31	20
SD01-1821R	29	22	31	27	18	25	31	30	13	15	27
SD01-3219R	11	9	19	12	16	11	8	10	26	34	22
SD01-3477R	2	20	2	8	3	5	4	4	18	9	6

*Data not included in mean.

UNIFORM TEST I Roundup-Ready, 2004

MATURITY (date)

Strain	Mean 9 Tests	MATURITY (date)										
		Fayetteville* irrigated AR	Lafayette IN	Wanatah IN	Ingham County MI	Lamberton MN	Waseca MN	St. Bruno Que.	Brookings SD	Sinai SD	Watertown SD	
AG1602	9/24	8/8	8/29	9/12	9/25	9/23	9/25	10/5	9/22	10/23	9/25	
SD1091RR (0)	-4.9	-1	-3	-4	-1	-2	-4	-7	-8	-9	-6	
MN1803RR	2.1	6	3	3	2	5	4	0	1	1	0	
DKB20-52	4.2	8	6	3	5	10	5	1	5	1	2	
M98-332069	-2.1	-3	-2	1	-1	-1	1	-3	-7	1	-8	
M98-332091	2.0	3	3	3	2	3	6	-1	1	2	-1	
M98-332108	0.2	1	0	1	1	-1	2	-2	7	-2	-4	
SD96-170RR-28L	-0.1	2	0	1	-2	-1	3	-3	4	2	-5	
SD00-236R	-0.4	1	2	3	0	3	1	-1	-5	-5	-2	
SD00-1018R	-5.3	2	0	-5	-2	-1	-5	-8	-7	-11	-9	
SDX00-009R-23	-1.9	2	1	-2	-1	-2	-1	-3	-4	2	-7	
SDX00-022R-23	-5.8	-4	-4	-5	-2	-4	-5	-8	-6	-8	-10	
SDX00-022R-53	-3.3	-2	-3	0	-2	-2	-2	-3	-6	-8	-4	
SDX00-022R-54	-3.0	-3	-4	1	-2	-1	-2	-3	-5	-5	-6	
SDX00-024R-14	-1.3	4	-1	0	-3	-1	1	0	-4	0	-4	
SDX00-053R-46	2.4	7	4	3	4	5	6	0	-2	2	0	
SDX00-053R-82	-2.3	-1	-1	-2	-2	0	-2	-4	-6	1	-5	
SDX00R-010-13	-3.9	0	-3	-2	-4	-1	-4	-4	-3	-6	-8	
SDX00R-022-66	-4.4	-4	-3	-2	-2	-4	-4	-5	-4	-8	-8	
SDX00R-024-58	0.8	4	1	1	-1	4	5	0	-1	0	-2	
SDX00R-029-3	2.6	8	4	3	3	5	6	1	-3	4	0	
SDX00R-035-12	6.8	12	8	7	4	14	8	4	10	3	3	
SDX00R-035-34	-0.2	2	1	2	-2	4	-1	0	-3	0	-3	
SDX00R-035-42	-3.6	-1	-3	-3	-1	-4	-3	-5	-4	-2	-7	
SDX00R-035-59	0.3	-1	1	2	3	0	0	-3	3	-2	-1	
SDX00R-046-2	4.2	5	7	3	3	4	7	3	4	4	3	
SD01-67R	1.4	5	3	3	0	2	3	2	0	1	-1	
SD01-1075R	2.2	5	5	3	2	6	6	0	1	-3	0	
SD01-1094R	2.6	4	5	3	2	5	6	1	1	2	-2	
SD01-1120R	3.9	6	6	3	4	10	6	0	2	3	1	
SD01-1792R	-3.8	-1	-3	-3	-2	4	-5	-6	-7	-7	-5	
SD01-1821R	-2.6	-1	0	-2	-1	1	-2	-6	-5	-3	-5	
SD01-3219R	1.3	7	5	3	0	3	2	-1	3	-1	-2	
SD01-3477R	0.1	8	3	1	-1	-2	4	-1	-1	-1	-1	
Date Planted	5/17	5/6	5/18	5/21	6/4	5/10	5/17	5/29	5/13	5/5	5/5	
Days to Mature	130	94	103	114	113	136	131	129	132	171	143	

*Data not included in mean.

UNIFORM TEST I Roundup-Ready, 2004

LODGING (score)

Strain	Mean 9 Tests	Fayetteville*	Ingham								
		irrigated AR	Lafayette IN	Wanatah IN	County MI	Lamberton MN	Waseca MN	St. Bruno Que.	Brookings SD	Sinai SD	Watertown SD
AG1602	1.2	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0
SD1091RR (0)	1.3	1.0	1.0	1.0	1.0	2.0	2.0	1.5	1.0	1.0	1.0
MN1803RR	1.8	3.0	1.0	1.7	1.0	2.7	3.0	4.0	1.0	1.0	1.0
DKB20-52	1.3	1.0	1.0	1.0	1.0	1.0	2.0	2.5	1.0	1.0	1.0
M98-332069	1.3	1.0	1.0	1.2	1.0	1.7	2.0	2.0	1.0	1.0	1.0
M98-332091	1.4	1.3	1.0	1.2	1.0	2.0	2.7	2.0	1.0	1.0	1.0
M98-332108	1.5	1.0	1.0	1.3	1.0	2.3	2.0	3.0	1.0	1.0	1.0
SD96-170RR-28L	1.3	1.3	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0
SD00-236R	1.4	1.5	1.0	1.0	1.0	2.7	2.0	2.0	1.0	1.0	1.0
SD00-1018R	1.2	1.0	1.0	1.0	1.0	1.7	2.0	1.5	1.0	1.0	1.0
SDX00-009R-23	1.4	1.0	1.0	1.0	1.0	2.0	3.0	1.5	1.0	1.0	1.0
SDX00-022R-23	1.3	1.0	1.0	1.0	1.0	2.3	2.0	1.5	1.0	1.0	1.0
SDX00-022R-53	1.3	1.0	1.0	1.0	1.0	2.3	2.0	1.5	1.0	1.0	1.0
SDX00-022R-54	1.2	1.0	1.0	1.0	1.0	1.7	2.0	1.5	1.0	1.0	1.0
SDX00-024R-14	1.2	1.0	1.0	1.0	1.0	1.7	2.0	1.0	1.0	1.0	1.0
SDX00-053R-46	1.5	2.0	1.0	1.2	1.5	2.3	2.3	2.0	1.0	1.0	1.0
SDX00-053R-82	1.2	1.0	1.0	1.0	1.0	1.7	2.0	1.0	1.0	1.0	1.0
SDX00R-010-13	1.2	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0
SDX00R-022-66	1.3	1.0	1.0	1.0	1.0	2.3	2.3	1.0	1.0	1.0	1.0
SDX00R-024-58	1.6	2.0	1.0	1.2	1.0	2.7	2.7	2.5	1.0	1.0	1.0
SDX00R-029-3	1.3	3.0	1.0	1.0	1.0	2.3	2.0	1.5	1.0	1.0	1.0
SDX00R-035-12	1.5	3.0	1.0	1.3	1.5	3.0	3.0	1.0	1.0	1.0	1.0
SDX00R-035-34	1.4	1.0	1.0	1.2	1.0	2.7	2.0	1.5	1.0	1.0	1.0
SDX00R-035-42	1.1	1.0	1.0	1.0	1.0	1.3	2.0	1.0	1.0	1.0	1.0
SDX00R-035-59	1.2	1.0	1.0	1.0	1.0	1.7	2.0	1.0	1.0	1.0	1.0
SDX00R-046-2	1.5	1.7	1.0	1.0	1.0	2.3	3.0	2.5	1.0	1.0	1.0
SD01-67R	1.1	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0
SD01-1075R	1.3	1.7	1.0	1.0	1.0	2.3	2.3	1.5	1.0	1.0	1.0
SD01-1094R	1.4	1.0	1.0	1.0	1.0	2.3	2.3	2.0	1.0	1.0	1.0
SD01-1120R	1.4	1.7	1.0	1.0	1.5	2.3	2.0	1.5	1.0	1.0	1.0
SD01-1792R	1.3	1.0	1.0	1.0	1.0	2.3	2.0	1.5	1.0	1.0	1.0
SD01-1821R	1.3	2.3	1.0	1.0	1.0	2.3	2.0	1.5	1.0	1.0	1.0
SD01-3219R	1.3	1.0	1.0	1.0	1.0	2.0	2.0	1.5	1.0	1.0	1.0
SD01-3477R	1.6	4.3	1.0	1.0	1.0	2.0	2.7	4.0	1.0	1.0	1.0

*Data not included in mean.

UNIFORM TEST I Roundup-Ready, 2004

PLANT HEIGHT (inches)

Strain	Mean 9 Tests	Fayetteville*		Ingham							
		irrigated AR	Lafayette IN	Wanatah IN	County MI	Lamberton MN	Waseca MN	St. Bruno Que.	Brookings SD	Sinai SD	Watertown SD
AG1602	27	21	25	26	21	36	33	29	28	20	29
SD1091RR (0)	28	22	24	25	22	37	31	32	33	23	24
MN1803RR	33	31	34	33	30	42	37	36	36	20	33
DKB20-52	30	27	28	30	24	38	33	37	29	30	23
M98-332069	30	24	25	31	28	38	35	33	29	21	28
M98-332091	31	25	29	31	27	38	41	33	31	24	29
M98-332108	32	24	26	30	27	40	36	35	35	26	30
SD96-170RR-28L	30	29	28	29	26	38	35	31	33	25	24
SD00-236R	30	28	29	32	23	38	37	34	29	21	29
SD00-1018R	30	27	28	30	23	37	37	35	32	23	28
SDX00-009R-23	27	24	25	25	20	38	33	30	28	26	20
SDX00-022R-23	29	21	23	25	22	38	35	32	29	29	26
SDX00-022R-53	29	24	25	28	20	38	34	30	33	28	26
SDX00-022R-54	30	26	25	30	25	39	36	31	32	20	30
SDX00-024R-14	30	28	25	29	25	40	37	31	31	24	26
SDX00-053R-46	33	33	29	32	31	42	41	31	36	24	28
SDX00-053R-82	29	26	29	29	23	38	37	30	29	19	28
SDX00R-010-13	30	24	25	31	18	41	37	30	38	22	27
SDX00R-022-66	29	24	23	28	25	37	35	28	35	19	27
SDX00R-024-58	33	31	34	34	28	42	43	33	35	20	30
SDX00R-029-3	30	27	27	28	27	34	41	29	28	28	25
SDX00R-035-12	34	36	34	37	32	42	41	29	39	22	28
SDX00R-035-34	31	27	30	31	27	39	37	30	33	20	29
SDX00R-035-42	28	23	22	26	23	35	31	28	32	23	28
SDX00R-035-59	27	24	25	27	18	35	33	30	32	21	25
SDX00R-046-2	30	27	31	31	22	39	37	30	33	22	23
SD01-67R	26	23	22	25	21	35	32	23	26	24	24
SD01-1075R	32	29	30	33	24	41	39	34	43	18	30
SD01-1094R	29	28	29	31	21	41	35	32	29	20	26
SD01-1120R	32	30	32	34	28	44	39	33	31	20	28
SD01-1792R	29	28	27	28	23	40	34	28	34	23	27
SD01-1821R	29	27	27	29	24	39	35	32	34	20	25
SD01-3219R	30	26	27	28	23	38	36	30	31	25	31
SD01-3477R	34	31	32	31	26	40	40	42	34	28	29

*Data not included in mean.

UNIFORM TEST I Roundup-Ready, 2004

SEED SIZE (g/100)

Strain	Mean 9 Tests	Fayetteville*		Ingham							
		irrigated AR	Lafayette IN	Wanatah IN	County MI	Lamberton MN	Waseca MN	St. Bruno Que.	Brookings SD	Sinai SD	Watertown SD
AG1602	14.3	12.8	12.5	14.5	13.9	14.4	15.6	16.6	14.4	13.7	13.3
SD1091RR (0)	16.4	16.9	17.1	16.9	16.7	16.4	18.5	18.2	15.0	15.2	13.9
MN1803RR	15.1	15.8	14.9	17.7	14.7	17.2	17.1	16.4	12.5	12.5	13.0
DKB20-52	15.3	15.2	14.9	16.9	14.9	16.8	16.0	17.3	14.1	13.7	13.2
M98-332069	16.7	16.2	17.2	18.7	17.1	18.3	18.6	18.0	15.0	14.2	13.5
M98-332091	15.4	14.3	14.7	16.7	14.6	16.7	17.3	16.1	14.7	14.3	13.6
M98-332108	14.3	12.6	14.9	15.0	13.8	14.6	15.9	15.4	14.3	12.2	12.4
SD96-170RR-28L	15.3	15.0	14.7	16.1	15.4	16.0	17.1	16.7	13.7	14.7	13.5
SD00-236R	14.2	12.7	12.9	14.7	14.3	16.1	16.0	16.0	14.3	11.0	12.6
SD00-1018R	14.3	15.0	13.5	14.7	14.3	14.4	16.2	15.9	14.3	13.4	12.2
SDX00-009R-23	14.9	15.6	14.3	14.8	15.2	16.7	16.8	16.1	14.5	13.4	12.2
SDX00-022R-23	14.2	12.6	14.5	15.2	14.1	15.4	14.4	15.0	14.0	13.0	12.2
SDX00-022R-53	15.2	14.5	15.1	17.4	14.6	15.8	16.1	15.7	14.0	13.9	14.6
SDX00-022R-54	15.4	14.1	14.9	17.4	14.5	16.3	16.3	16.9	15.0	14.4	13.0
SDX00-024R-14	12.1	14.5	13.4	14.1	13.5	14.7	13.7	14.0	1.3	11.9	12.0
SDX00-053R-46	14.7	14.0	14.8	16.1	14.0	16.0	15.2	15.8	13.5	13.7	13.1
SDX00-053R-82	14.7	15.2	14.7	15.1	14.9	15.4	16.0	16.7	13.8	13.1	12.2
SDX00R-010-13	13.0	12.8	13.9	14.4	12.7	13.3	14.0	14.8	11.0	11.7	11.3
SDX00R-022-66	15.6	13.9	14.9	17.2	16.0	16.7	17.2	16.6	14.7	14.1	13.2
SDX00R-024-58	12.2	12.2	11.6	12.8	11.9	14.0	13.5	14.1	11.5	10.4	9.7
SDX00R-029-3	16.1	15.7	15.7	17.5	15.9	16.9	18.2	18.0	15.0	14.7	13.1
SDX00R-035-12	11.6	13.6	11.0	14.5	10.7	11.7	12.4	11.8	10.7	9.9	11.7
SDX00R-035-34	15.1	14.1	14.7	16.9	14.5	16.6	16.5	16.6	13.7	13.5	12.5
SDX00R-035-42	13.3	13.2	13.8	14.2	13.4	13.7	14.3	15.1	12.5	11.1	11.5
SDX00R-035-59	15.4	13.7	14.7	17.1	14.9	16.3	16.5	17.3	14.7	13.3	13.7
SDX00R-046-2	14.0	12.3	13.5	15.1	14.0	14.5	15.6	15.6	12.3	12.7	12.7
SD01-67R	15.6	15.3	15.8	17.3	15.1	16.9	17.6	16.9	15.2	12.9	13.0
SD01-1075R	18.3	18.1	17.4	21.0	18.8	18.6	19.9	20.1	16.0	15.5	17.6
SD01-1094R	18.0	16.3	17.1	20.8	18.6	19.0	19.5	20.4	17.4	13.9	14.9
SD01-1120R	18.4	17.3	17.5	20.5	17.4	20.4	20.8	20.5	16.3	16.5	15.6
SD01-1792R	16.7	18.0	16.6	18.7	17.7	16.0	17.8	19.3	16.3	13.1	14.7
SD01-1821R	16.8	16.4	16.6	17.2	17.0	17.4	18.5	17.8	16.3	15.6	14.6
SD01-3219R	14.2	14.8	14.5	15.2	13.5	15.4	16.3	15.7	13.2	11.9	12.1
SD01-3477R	14.1	14.1	13.8	15.5	13.6	15.9	15.6	16.0	12.5	12.4	11.3

*Data not included in mean.

UNIFORM TEST I Roundup-Ready, 2004

SEED QUALITY (score)

Strain	Mean 8 Tests	Fayetteville*	Ingham								
		irrigated AR	Lafayette IN	Wanatah IN	County MI	Lamberton MN	Waseca MN	St. Bruno Que.	Brookings SD	Sinai SD	Watertown SD
AG1602	1.5	2.0	1.0	1.0		1.5	1.5	1.0	2.0	2.0	2.0
SD1091RR (0)	1.7	2.7	1.0	1.5		1.5	1.5	1.0	2.0	3.0	2.0
MN1803RR	1.6	2.3	1.0	1.0		1.5	1.5	2.0	2.0	2.0	2.0
DKB20-52	1.5	2.2	1.0	1.0		1.7	1.5	1.0	2.0	2.0	2.0
M98-332069	1.6	2.3	1.0	1.0		1.3	1.5	1.0	2.0	3.0	2.0
M98-332091	1.9	2.5	1.0	1.0		1.3	2.0	1.5	3.0	3.0	2.0
M98-332108	1.7	2.5	1.0	1.0		1.3	1.5	1.5	2.0	3.0	2.0
SD96-170RR-28L	1.7	2.5	1.0	1.0		1.7	1.5	2.0	2.0	2.0	2.0
SD00-236R	1.5	2.3	1.0	1.0		1.3	1.5	1.0	2.0	2.0	2.0
SD00-1018R	1.5	2.0	1.0	1.0		1.3	1.5	1.0	2.0	2.0	2.0
SDX00-009R-23	1.7	2.5	1.0	1.5		1.7	1.5	1.5	2.0	2.0	2.0
SDX00-022R-23	1.4	3.0	1.0	1.0		1.3	1.5	1.0	2.0	2.0	1.0
SDX00-022R-53	1.7	2.3	1.0	1.5		1.3	1.5	2.0	2.0	2.0	2.0
SDX00-022R-54	1.6	2.3	1.0	1.0		2.0	1.5	1.0	2.0	2.0	2.0
SDX00-024R-14	1.6	2.3	1.0	1.5		1.7	1.3	1.0	2.0	2.0	2.0
SDX00-053R-46	1.5	2.8	1.5	1.0		1.3	1.5	1.0	2.0	2.0	2.0
SDX00-053R-82	1.4	3.0	1.0	1.0		1.0	1.5	1.0	2.0	2.0	2.0
SDX00R-010-13	1.5	2.8	1.0	1.0		1.3	1.5	1.0		3.0	2.0
SDX00R-022-66	1.6	2.3	1.5	1.0		1.3	1.5	1.5	2.0	2.0	2.0
SDX00R-024-58	1.5	2.2	1.0	1.0		1.3	1.5	1.0	2.0	2.0	2.0
SDX00R-029-3	1.6	3.0	1.0	1.0		1.3	1.3	1.0	2.0	2.0	3.0
SDX00R-035-12	1.6	2.3	1.0	1.0		1.3	1.5	2.0	2.0	2.0	2.0
SDX00R-035-34	1.5	2.2	1.0	1.0		1.3	1.5	1.0	2.0	2.0	2.0
SDX00R-035-42	1.6	2.5	1.0	1.5		1.3	1.5	1.5	2.0	2.0	2.0
SDX00R-035-59	1.7	2.3	1.0	1.0		1.7	2.0	2.0	2.0	2.0	2.0
SDX00R-046-2	1.5	2.0	1.0	1.0		1.3	1.5	1.0	2.0	2.0	2.0
SD01-67R	1.5	2.0	1.5	1.0		1.3	1.5	1.0	2.0	2.0	2.0
SD01-1075R	1.7	2.3	1.0	1.0		1.7	1.5	2.0	2.0	2.0	2.0
SD01-1094R	1.6	2.5	1.0	1.0		1.7	1.5	1.5	2.0	2.0	2.0
SD01-1120R	1.5	2.3	1.0	1.0		1.3	1.5	1.0	2.0	2.0	2.0
SD01-1792R	1.5	2.5	1.0	1.5		1.3	1.0	1.0	2.0	2.0	2.0
SD01-1821R	1.7	2.8	2.0	1.0		1.3	1.5	1.5	2.0	2.0	2.0
SD01-3219R	1.5	2.0	1.0	1.0		1.5	1.2	1.0	2.0	2.0	2.0
SD01-3477R	1.5	2.7	1.0	1.0		1.3	1.5	1.0	2.0	2.0	2.0

*Data not included in mean.

UNIFORM TEST I Roundup-Ready, 2004

PROTEIN (%)

Strain	Mean 5 Tests	Lafayette IN	Lamberton MN	Waseca MN	St. Bruno QUE	Brookings SD
AG1602	38.3	38.7	37.8	38.1	39.1	37.5
SD1091RR (0)	41.7	41.6	41.8	40.5	42.7	41.8
MN1803RR	40.7	40.1	41.3	41.0	41.0	40.0
DKB20-52	38.9	39.2	39.4	39.4	39.4	37.3
M98-332069	42.7	43.2	42.0	43.4	43.8	41.1
M98-332091	43.7	43.8	42.6	43.4	44.9	43.6
M98-332108	44.4	44.7	42.6	44.0	45.7	45.2
SD96-170RR-28L	39.2	38.5	38.8	40.0	40.6	38.1
SD00-236R	40.8	40.5	40.8	40.6	41.4	40.5
SD00-1018R	38.5	38.1	38.4	37.9	40.2	38.0
SDX00-009R-23	40.6	40.2	40.1	41.6	40.4	40.7
SDX00-022R-23	40.4	41.7	39.1	40.0	40.9	40.1
SDX00-022R-53	39.6	39.6	38.5	40.5	40.3	39.1
SDX00-022R-54	39.3	40.9	39.2	38.3	40.1	38.0
SDX00-024R-14	38.9	39.2	39.1	39.1	39.6	37.7
SDX00-053R-46	38.6	39.7	37.5	39.1	39.3	37.2
SDX00-053R-82	39.6	41.2	39.3	38.8	40.2	38.7
SDX00R-010-13	39.4	39.8	37.9	40.0	40.0	39.3
SDX00R-022-66	39.3	39.9	37.8	39.4	40.2	39.0
SDX00R-024-58	38.6	37.5	38.7	39.5	38.9	38.3
SDX00R-029-3	39.8	40.2	40.2	40.7	40.2	37.9
SDX00R-035-12	37.9	38.5	39.1	38.6	35.9	37.5
SDX00R-035-34	39.4	40.0	40.0	39.8	38.9	38.6
SDX00R-035-42	39.7	41.0	38.5	39.5	40.3	39.1
SDX00R-035-59	41.0	40.7	40.6	41.1	41.2	41.3
SDX00R-046-2	40.2	40.3	40.4	40.3	39.6	40.3
SD01-67R	39.9	40.4	41.0	40.1	37.9	40.0
SD01-1075R	39.7	39.7	39.5	39.6	39.6	40.2
SD01-1094R	39.5	39.5	39.9	39.5	39.2	39.5
SD01-1120R	39.7	39.3	41.0	41.3	38.9	38.0
SD01-1792R	40.9	41.1	40.1	40.8	41.9	40.7
SD01-1821R	40.9	41.0	39.8	40.5	41.5	41.7
SD01-3219R	40.3	39.7	39.4	41.9	39.6	40.7
SD01-3477R	40.0	40.0	41.2	39.3	40.1	39.3

UNIFORM TEST I Roundup-Ready, 2004

OIL (%)

Strain	Mean 5 Tests	Lafayette IN	Lamberton MN	Waseca MN	St. Bruno QUE	Brookings SD
AG1602	19.5	20.1	18.8	18.1	21.5	18.9
SD1091RR (0)	18.7	18.0	17.9	19.1	20.3	18.2
MN1803RR	19.2	19.9	18.5	18.5	20.6	18.5
DKB20-52	20.2	20.1	19.3	19.5	22.1	19.8
M98-332069	18.3	18.7	18.2	18.3	19.6	17.0
M98-332091	18.8	19.6	18.3	18.6	19.8	17.8
M98-332108	17.4	17.6	17.8	17.1	18.5	16.1
SD96-170RR-28L	19.8	20.4	19.5	19.4	20.8	19.1
SD00-236R	19.2	19.5	18.9	18.6	20.8	18.2
SD00-1018R	19.8	20.0	19.1	19.2	21.2	19.6
SDX00-009R-23	19.3	20.3	18.8	17.8	21.1	18.6
SDX00-022R-23	19.3	18.6	19.1	18.9	21.1	18.7
SDX00-022R-53	19.1	19.8	18.3	18.1	20.9	18.5
SDX00-022R-54	19.6	19.5	19.9	18.5	21.0	19.1
SDX00-024R-14	19.2	19.3	18.3	18.4	20.9	19.0
SDX00-053R-46	19.7	19.4	19.8	18.9	21.1	19.2
SDX00-053R-82	19.2	17.7	18.3	19.1	21.3	19.3
SDX00R-010-13	19.6	19.9	18.7	18.7	21.5	19.0
SDX00R-022-66	19.4	19.6	19.8	18.8	20.9	18.1
SDX00R-024-58	19.1	19.2	18.8	18.3	20.9	18.4
SDX00R-029-3	20.4	20.6	20.2	19.6	21.5	20.4
SDX00R-035-12	20.1	20.0	19.5	19.6	22.3	19.3
SDX00R-035-34	19.7	19.7	19.2	18.1	21.7	19.7
SDX00R-035-42	19.0	18.0	18.7	18.4	21.2	18.5
SDX00R-035-59	19.0	18.7	19.0	18.9	20.9	17.7
SDX00R-046-2	19.2	19.1	18.8	18.9	21.0	18.2
SD01-67R	19.7	18.7	19.0	19.7	22.1	19.2
SD01-1075R	19.9	19.6	20.0	19.3	21.6	18.8
SD01-1094R	20.1	19.9	20.0	19.6	21.6	19.4
SD01-1120R	20.3	21.3	19.1	18.1	22.1	20.7
SD01-1792R	19.5	19.4	19.6	18.8	20.7	18.8
SD01-1821R	19.0	19.7	18.7	18.7	20.2	17.8
SD01-3219R	20.1	21.2	20.4	18.3	21.3	19.4
SD01-3477R	19.6	19.5	18.4	19.1	21.6	19.2

Uniform Test II Roundup-Ready, 2004

Ent.	Strain	Parentage	Previous Testing	Generation Compositied	Unique Traits
1	AG2302		PTII-RR		
2.	DKB20-52 (SCN)	replaces AG1902	PTII-RR		
3.	DKB26-52 (SCN)	replaces HF9667-2-4RR			
4.	AG2801 (SCN)				
5.	LD00-9276	Ina x LNX96017	PTII-RR	F5	RR, SCN
6.	NEX2301KR		new		
7.	NEX2403K1R		new		Rps1-k, Det.
8.	NEX2403K2R		new		Rps1-k, Det.
9.	NEX2503LR		new		
10.	NEX2603UR		new		Rps1-k
11.	NEX27031R		new		Rps1-c, Chlorosis
12.	NEX27032R		new		Rps1-k, Det.
13.	NEX27033R		new		Rps1-k, Det.
14.	NEX2803Y3R		new		Rps1-k, Det.
15.	NEX2803Y5R		new		Rps1-k, Det.
16.	NEX2901AR		new		Rps1-c, Det..
17.	NEX3301H1R		new		Rps1-c, Det.
18.	SD93-828R	SD93-828 (3) x ResnikRR	PTII-RR	F4	Rps1-k, Rps6
19.	SDX00R-030-16	IA2041 x SD1091RR	PTII-RR	F4	RR, Rps1-k
20.	SDX00R-039-42	IA2021 x SD93-828R	PTII-RR	F4	RR, Rps1-k
21.	SD01-76R	(Stride x ResnikRR) x Stride	PTII-RR	F4	RR, Rps1-a
22.	SD01-979R	Turner x ResnikRR	PTII-RR	F4	RR, Rps1-k
23.	SD01-1459R	SD94-1467 x SD93-1037RR	PTII-RR	F4	RR
24.	SD01-3603R	SD94-782 x SD1091RR	PTII-RR	F4	RR, Rps1-k

UNIFORM TEST II Roundup-Ready, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Green Stem Score		Shattering Score	PR Lafayette		SDS		PS Lafayette	FE
		Fayetteville AR	Wanatah IN	Manhattan KS	Race 4	Race 7	Paris IL DX	Ursa IL DX	a %	n
AG2302	PGTIYIbI	2.7	1.0	1.0	R	R	4	10	16	
DKB20-52 (SCN)	PGTDYIbI	1.0	2.0	1.0	R	R	1	33	26	
DKB26-52 (SCN)	PGTDYIbI	1.3	2.5	2.0	S	R	8	19	6	S
AG2801 (SCN)	PTTDYLBII	1.0	1.0	1.0	S	S	1	24	4	
LD00-9276	WGTDYLBfI	1.3	1.0	1.0	S	R	0	4	11	S
NEX2301KR	WGBIYBfI	1.0	1.0	1.0	R	R	8	31	7	S
NEX2403K1R	WTTDYBII	1.0	1.0	1.0	R	R	1	41	1	
NEX2403K2R	WGBDYBfI	1.0	1.0	1.0	R	R	3	16	0	
NEX2503LR	PGTDYIbI	1.0	1.0	1.0	R	S	1	4	1	
NEX2603UR	PGTDYIbI	1.0	2.0	1.0	R	R	8	18	4	
NEX27031R	PTTDYBII	1.0	1.0	1.0	R*	R	13	43	21	
NEX27032R	WGBDYLBfI	1.0	2.5	1.0	R	R	8	18	19	S
NEX27033R	WGTDYBfI	1.0	2.0	1.0	S*	R	3	1	9	
NEX2803Y3R	PGBIYIbI	1.0	1.0	1.0	S*	R	13	74	16	
NEX2803Y5R	P+WGBIYBf+IbI	1.0	1.0	1.0	S*	R	23	56	5	S
NEX2901AR	PGBDYIbI	1.0	2.0	1.0	S	R	1	5	4	S
NEX3301H1R	WTBDYBII	1.0	4.0	2.0	H*	R	1	3	18	S
SD93-828R	PGBDYIbI	1.0	1.0	1.0	R	R	0	9	27	
SDX00R-030-16	PGBDYBfI	1.0	1.0	2.0	S*	R	5	9	23	S
SDX00R-039-42	PGBDYIbI	1.0	1.0	1.0	R	R	1	11	23	S
SD01-76R	PGTIYIbI	1.0	1.0	1.0	S	S	12	26	17	S
SD01-979R	PTTDYBII	1.5	1.0	1.0	R	R	1	5	10	S
SD01-1459R	P+WGTDYSI	1.0	1.0	1.0	R	R	0	23	11	S
SD01-3603R	PGBIYIb+BfI	1.3	2.0	1.0	R	R	1	10	21	S

Frogeye Leaf Spot S = susceptible, blank = lesions not detected

* = entry/*Phytophthora sojae* race reaction questionable

UNIFORM TEST II Roundup-Ready, 2004

REGIONAL SUMMARY

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant	Seed	Seed	Composition	
	12 bu/a	12 No.	9 Date	12 Score	10 In.	10 g/100	7 Score	5 Protein %	5 Oil %
AG2302	56.5	13	9/15	1.2	28	15.3	1.6	39.9	19.4
DKB20-52 (SCN)	59.2	9	-0.4	1.2	27	15.1	1.5	39.8	19.6
DKB26-52 (SCN)	56.4	14	4.0	1.6	33	14.1	1.5	40.6	18.3
AG2801 (SCN)	57.2	11	11.6	1.5	30	14.5	1.7	40.4	18.8
LD00-9276	53.5	18	5.3	1.5	31	12.3	1.3	40.3	18.6
NEX2301KR	52.7	19	0.8	1.5	24	14.8	1.5	39.8	19.2
NEX2403K1R	59.9	6	-0.2	1.3	27	14.3	1.6	39.5	19.0
NEX2403K2R	61.2	4	1.1	1.4	27	14.0	1.6	39.5	19.0
NEX2503LR	56.1	16	0.8	1.3	28	14.9	1.5	41.2	18.3
NEX2603UR	56.8	12	3.3	1.5	34	14.9	1.7	40.5	18.9
NEX27031R	59.1	10	-0.1	1.5	30	16.2	1.5	39.5	19.6
NEX27032R	59.8	7	7.1	1.5	30	14.0	1.6	39.2	19.1
NEX27033R	60.3	5	4.4	1.6	30	15.2	1.5	40.2	18.3
NEX2803Y3R	62.7	1	5.3	1.7	30	14.6	1.7	39.3	18.7
NEX2803Y5R	61.4	3	5.6	1.5	29	14.6	1.7	39.5	19.0
NEX2901AR	59.6	8	6.7	1.7	30	16.0	1.7	39.4	19.1
NEX3301H1R	61.9	2	7.1	1.9	31	16.7	1.7	40.4	18.1
SD93-828R	50.3	23	-2.0	1.4	29	13.5	1.5	38.4	19.7
SDX00R-030-16	46.6	24	-0.2	1.4	27	17.0	1.7	42.7	19.3
SDX00R-039-42	56.2	15	1.7	1.6	31	13.3	1.7	37.1	20.1
SD01-76R	52.1	20	-0.8	1.4	29	13.9	1.8	39.7	20.0
SD01-979R	51.0	21	5.3	2.0	33	13.7	1.5	41.5	18.7
SD01-1459R	50.6	22	4.6	1.7	32	13.3	1.5	39.1	19.6
SD01-3603R	54.3	17	8.7	2.0	34	17.5	1.7	38.6	20.1

119.2 Days After Planting

UNIFORM TEST II Roundup-Ready, 2004

YIELD (bu/a)

Strain	Mean 12 Tests	Fayetteville* irrigated AR	Urbana II	Lafayette IN	Wanatah IN	Ingham County MI	Beemer NE	Cotesfield NE
AG2302	56.5	62.9	45.6	48.1	68.5	46.5	44.6	71.9
DKB20-52 (SCN)	59.2	64.6	47.8	54.0	68.6	54.2	54.7	77.2
DKB26-52 (SCN)	56.4	58.7	51.2	51.8	70.8	51.2	47.9	62.3
AG2801 (SCN)	57.2	66.4	58.7	59.8	73.4	39.2	51.6	65.8
LD00-9276	53.5	60.0	51.3	50.2	64.4	46.0	45.1	69.3
NEX2301KR	52.7	55.7	43.7	48.1	64.0	44.9	44.5	45.1
NEX2403K1R	59.9	66.7	49.9	55.2	75.6	45.6	47.8	70.2
NEX2403K2R	61.2	48.0	50.7	56.6	79.7	52.5	46.4	74.1
NEX2503LR	56.1	64.7	48.0	49.7	71.6	40.2	44.9	65.4
NEX2603UR	56.8	62.0	51.0	55.2	75.5	49.3	49.2	61.2
NEX27031R	59.1	64.0	50.5	52.2	70.3	51.5	48.5	65.7
NEX27032R	59.8	72.6	54.8	58.3	74.4	46.3	54.2	61.9
NEX27033R	60.3	66.9	50.2	55.8	75.4	45.3	44.7	69.1
NEX2803Y3R	62.7	67.9	56.0	61.0	78.5	52.0	57.5	70.8
NEX2803Y5R	61.4	72.1	58.3	59.7	79.5	46.5	50.0	72.9
NEX2901AR	59.6	67.5	54.3	55.4	75.0	53.9	47.9	66.3
NEX3301H1R	61.9	68.1	56.6	55.7	72.3	51.3	53.3	75.3
SD93-828R	50.3	63.9	40.5	42.0	56.8	45.2	39.4	63.7
SDX00R-030-16	46.6	58.6	39.3	40.5	58.1	32.9	41.8	60.9
SDX00R-039-42	56.2	58.2	43.2	45.9	68.5	53.6	52.0	66.6
SD01-76R	52.1	43.6	41.5	48.2	64.9	47.1	46.0	57.5
SD01-979R	51.0	57.4	44.2	47.6	61.6	42.5	44.8	53.5
SD01-1459R	50.6	62.0	42.9	45.1	64.4	50.2	43.6	61.0
SD01-3603R	54.3	52.6	51.5	51.4	70.9	42.2	48.2	64.9
C.V. (%)		8.7	4.6	5.2	4.3	9.8	10.2	8.8
L.S.D. (5%)		10.5	3.1	4.4	4.9	7.9	12.5	14.1
Row Sp. (In.)		7.5	30	24	26	15	30	30
Rows/Plot		7	4	4	4	6	4	4
Reps		3	3	3	3	2	2	2

*Data not included in mean.

UNIFORM TEST II Roundup-Ready, 2004

YIELD (bu/a)

Strain	Goehner NE	Tekamah NE	Wooster OH	Chatham Ont	Beresford SD	Brookings SD	Sinai* SD
AG2302	61.9	55.7	63.2	63.8	62.0	45.9	19.9
DKB20-52 (SCN)	57.9	56.2	69.9	69.9	57.0	42.9	22.4
DKB26-52 (SCN)	62.6	53.0	70.0	65.0	54.5	36.3	23.6
AG2801 (SCN)	57.4	54.6	72.8	56.5	56.5	40.4	12.9
LD00-9276	54.2	53.2	60.2	60.0	57.0	31.6	18.1
NEX2301KR	63.9	53.4	69.4	58.7	58.0	38.2	28.9
NEX2403K1R	69.2	61.1	64.2	71.4	64.5	43.9	23.2
NEX2403K2R	70.8	59.5	67.0	73.3	59.5	44.6	27.1
NEX2503LR	64.2	55.0	69.8	60.3	64.0	40.4	25.2
NEX2603UR	65.3	46.7	69.5	67.2	54.0	38.0	23.3
NEX27031R	66.7	61.0	66.0	68.5	71.0	37.8	22.3
NEX27032R	64.1	53.4	82.0	63.0	69.0	35.7	17.2
NEX27033R	67.5	54.3	78.8	68.1	71.5	43.2	21.9
NEX2803Y3R	66.0	55.8	84.2	66.3	60.5	43.4	21.5
NEX2803Y5R	65.5	57.5	80.2	70.0	55.5	41.1	22.1
NEX2901AR	70.6	56.1	72.6	64.3	61.5	36.9	19.7
NEX3301H1R	67.0	52.6	75.0	67.0	77.0	39.3	26.0
SD93-828R	62.1	47.3	49.7	59.2	61.0	36.2	29.3
SDX00R-030-16	52.9	52.0	52.6	51.1	38.0	39.3	17.4
SDX00R-039-42	66.3	49.4	73.2	54.5	59.5	42.3	24.6
SD01-76R	50.2	52.9	56.0	60.8	60.0	40.0	20.5
SD01-979R	56.6	47.4	64.8	49.4	61.5	37.8	13.3
SD01-1459R	46.1	53.7	60.3	51.2	53.5	34.8	18.1
SD01-3603R	47.7	51.3	74.0	60.8	51.0	37.5	15.0
C.V. (%)	11.4	5.7	6.6	8.5	14.4	6.5	34.6
L.S.D. (5%)	17.3	7.6	6.2	7.3	17.6	4.2	12.0
Row Sp. (In.)	30	30	7.5	17	30	30	30
Rows/Plot	4	4	8	5	4	4	4
Reps	2	2	3	3	3	3	3

UNIFORM TEST II Roundup-Ready, 2004

YIELD RANK

Strain	Yield Rank	Fayetteville*			Wanatah IN	Ingham County MI	Beemer NE	Cotesfield NE
		irrigated AR	Urbana IL	Lafayette IN				
AG2302	13	13	17	18	16	12	20	5
DKB20-52 (SCN)	9	10	16	11	15	1	2	1
DKB26-52 (SCN)	14	17	9	13	13	8	11	17
AG2801 (SCN)	11	8	1	2	9	23	6	12
LD00-9276	18	16	8	15	19	15	16	8
NEX2301KR	19	21	19	18	21	19	21	24
NEX2403K1R	6	7	14	9	4	16	13	7
NEX2403K2R	4	23	11	5	1	4	14	3
NEX2503LR	16	9	15	16	11	22	17	14
NEX2603UR	12	14	10	9	5	10	8	19
NEX27031R	10	11	12	12	14	6	9	13
NEX27032R	7	1	5	4	8	14	3	18
NEX27033R	5	6	13	6	6	17	19	9
NEX2803Y3R	1	4	4	1	3	5	1	6
NEX2803Y5R	3	2	2	3	2	13	7	4
NEX2901AR	8	5	6	8	7	2	11	11
NEX3301H1R	2	3	3	7	10	7	4	2
SD93-828R	23	12	23	23	24	18	24	16
SDX00R-030-16	24	18	24	24	23	24	23	21
SDX00R-039-42	15	19	20	21	16	3	5	10
SD01-76R	20	24	22	17	18	11	15	22
SD01-979R	21	20	18	20	22	20	18	23
SD01-1459R	22	14	21	22	19	9	22	20
SD01-3603R	17	22	7	14	12	21	10	15

*Data not included in mean.

UNIFORM TEST II Roundup-Ready, 2004

YIELD RANK

Strain	Goehner NE	Tekamah NE	Wooster OH	Chatham Ont	Beresford SD	Brookings SD	Sinai SD
AG2302	16	8	19	12	7	1	16
DKB20-52 (SCN)	17	5	11	4	16	6	10
DKB26-52 (SCN)	14	16	10	10	20	20	7
AG2801 (SCN)	18	10	8	20	18	9	24
LD00-9276	20	15	21	17	17	24	18
NEX2301KR	13	13	14	19	15	14	2
NEX2403K1R	3	1	18	2	5	3	9
NEX2403K2R	1	3	15	1	13	2	3
NEX2503LR	11	9	12	16	6	9	5
NEX2603UR	10	24	13	7	21	15	8
NEX27031R	6	2	16	5	3	16	11
NEX27032R	12	13	2	13	4	22	21
NEX27033R	4	11	4	6	2	5	13
NEX2803Y3R	8	7	1	9	11	4	14
NEX2803Y5R	9	4	3	3	19	8	12
NEX2901AR	2	6	9	11	8	19	17
NEX3301H1R	5	18	5	8	1	12	4
SD93-828R	15	23	24	18	10	21	1
SDX00R-030-16	21	19	23	23	24	12	20
SDX00R-039-42	7	21	7	21	13	7	6
SD01-76R	22	17	22	14	12	11	15
SD01-979R	19	22	17	24	8	16	23
SD01-1459R	24	12	20	22	22	23	18
SD01-3603R	23	20	6	15	23	18	22

UNIFORM TEST II Roundup-Ready, 2004

MATURITY (date)

Strain	Mean 9 Tests	Fayetteville* irrigated AR	Urbana II	Lafayette IN	Wanatah IN	Ingham County MI	Beemer NE	Cotesfield NE
AG2302	9/15	8/16	8/28	9/5	9/15	9/29		9/27
DKB20-52 (SCN)	-0.4	0	-1	0	0	0		2
DKB26-52 (SCN)	4.0	1	8	4	4	1		8
AG2801 (SCN)	11.6	5	13	10	7	4		7
LD00-9276	5.3	0	11	4	5	3		4
NEX2301KR	0.8	0	1	1	0	0		4
NEX2403K1R	-0.2	0	1	0	0	1		0
NEX2403K2R	1.1	3	1	1	1	1		6
NEX2503LR	0.8	1	5	2	0	0		2
NEX2603UR	3.3	1	6	4	2	1		5
NEX27031R	-0.1	0	2	2	0	0		-2
NEX27032R	7.1	3	13	10	5	6		8
NEX27033R	4.4	0	7	5	5	2		6
NEX2803Y3R	5.3	3	9	6	5	4		7
NEX2803Y5R	5.6	1	10	7	6	2		6
NEX2901AR	6.7	4	11	9	7	5		7
NEX3301H1R	7.1	8	13	10	10	6		9
SD93-828R	-2.0	0	-2	-3	0	-2		3
SDX00R-030-16	-0.2	0	2	2	0	-1		-2
SDX00R-039-42	1.7	1	5	2	0	-1		8
SD01-76R	-0.8	0	-1	0	0	-3		4
SD01-979R	5.3	1	9	6	5	6		4
SD01-1459R	4.6	0	5	3	4	4		9
SD01-3603R	8.7	4	12	11	6	4		10
Date Planted	5/18	5/6	5/6	5/18	5/21	6/4	5/28	5/20
Days to Mature	119	102	114	110	117	117		130

*Data not included in mean.

UNIFORM TEST II Roundup-Ready, 2004

MATURITY (date)

Strain	Goehner NE	Tekamah NE	Wooster OH	Chatham Ont	Beresford SD	Brookings SD	Sinai SD
AG2302	9/18		9/6		9/19	9/20	
DKB20-52 (SCN)	-1		-1		2	-4	
DKB26-52 (SCN)	7		2		4	-1	
AG2801 (SCN)	6		10		46	2	
LD00-9276	4		8		6	4	
NEX2301KR	3		0		-2	1	
NEX2403K1R	2		-1		0	-5	
NEX2403K2R	2		1		1	-4	
NEX2503LR	2		-0		0	-3	
NEX2603UR	5		1		4	1	
NEX27031R	1		-0		-1	-3	
NEX27032R	8		13		-2	3	
NEX27033R	2		9		4	-1	
NEX2803Y3R	4		8		4	1	
NEX2803Y5R	6		10		3	0	
NEX2901AR	7		7		4	3	
NEX3301H1R	4		9		4	-1	
SD93-828R	-4		-2		-2	-6	
SDX00R-030-16	-1		-0		0	-2	
SDX00R-039-42	-1		7		-1	-4	
SD01-76R	2		-1		-1	-7	
SD01-979R	5		9		4	1	
SD01-1459R	4		3		7	3	
SD01-3603R	9		12		9	6	
Date Planted	5/28	5/20	4/29	6/8	5/12	5/13	5/7
Days to Mature	113		130		130	130	

UNIFORM TEST II Roundup-Ready, 2004

LODGING (score)

Strain	Mean 12 Tests	Fayetteville* irrigated AR	Urbana II	Lafayette IN	Wanatah IN	Ingham County MI	Beemer NE	Cotesfield NE
AG2302	1.2	1.0	1.0	1.0	1.0	1.0		1.5
DKB20-52 (SCN)	1.2	1.0	1.0	1.0	1.0	1.0		2.0
DKB26-52 (SCN)	1.6	3.0	1.5	1.5	1.3	1.0		3.0
AG2801 (SCN)	1.5	1.0	1.2	1.0	1.0	1.0		3.0
LD00-9276	1.5	1.0	1.5	1.0	1.0	1.0		3.0
NEX2301KR	1.5	1.0	1.0	1.0	1.0	1.0		3.0
NEX2403K1R	1.3	1.0	1.0	1.0	1.0	1.0		2.5
NEX2403K2R	1.4	1.0	1.0	1.0	1.0	1.0		3.0
NEX2503LR	1.3	1.0	1.0	1.0	1.0	1.0		2.5
NEX2603UR	1.5	1.0	1.0	1.0	1.2	1.0		3.5
NEX27031R	1.5	1.0	1.0	1.0	1.0	1.5		3.0
NEX27032R	1.5	1.0	1.0	1.0	1.2	1.0		3.0
NEX27033R	1.6	1.0	1.0	1.0	1.2	1.0		3.5
NEX2803Y3R	1.7	1.0	1.0	1.0	1.3	1.0		3.0
NEX2803Y5R	1.5	1.0	1.0	1.0	1.5	1.0		4.0
NEX2901AR	1.7	1.7	1.0	1.0	1.3	1.0		3.5
NEX3301H1R	1.9	1.0	1.3	1.0	1.5	1.5		4.0
SD93-828R	1.4	1.0	1.0	1.0	1.0	1.0		3.0
SDX00R-030-16	1.4	1.3	1.0	1.0	1.0	1.0		3.0
SDX00R-039-42	1.6	2.0	1.0	1.3	1.3	1.5		3.5
SD01-76R	1.4	1.0	1.0	1.0	1.0	1.0		3.0
SD01-979R	2.0	4.0	1.0	1.3	1.7	2.0		3.5
SD01-1459R	1.7	1.7	1.0	1.2	1.2	1.0		3.5
SD01-3603R	2.0	3.0	1.7	1.3	2.0	2.0		4.0

*Data not included in mean.

UNIFORM TEST II Roundup-Ready, 2004

LODGING (score)

Strain	Goehner NE	Tekamah NE	Wooster OH	Chatham Ont	Beresford SD	Brookings SD	Sinai SD
AG2302	2.0	2.0	1.4	1.0	1.0	1.0	1.0
DKB20-52 (SCN)	2.0	1.5	1.3	1.0	1.0	1.0	1.0
DKB26-52 (SCN)	2.0	2.0	1.4	1.0	3.0	1.0	1.0
AG2801 (SCN)	2.0	2.0	1.3	1.0	2.0	1.0	1.0
LD00-9276	2.0	2.0	1.4	1.0	2.0	1.0	1.0
NEX2301KR	2.0	2.0	1.5	1.0	2.0	2.0	1.0
NEX2403K1R	2.0	2.0	1.3	1.0	1.0	1.0	1.0
NEX2403K2R	2.0	1.5	1.3	1.0	2.0	1.0	1.0
NEX2503LR	1.5	2.0	1.2	1.0	2.0	1.0	1.0
NEX2603UR	2.0	2.0	1.3	1.0	2.0	1.0	1.0
NEX27031R	2.0	2.0	1.4	1.0	2.0	1.0	1.0
NEX27032R	2.0	2.0	1.6	1.0	2.0	1.0	1.0
NEX27033R	2.0	2.0	1.4	1.0	3.0	1.0	1.0
NEX2803Y3R	2.0	2.0	1.5	1.0	4.0	2.0	1.0
NEX2803Y5R	2.0	2.0	1.3	1.0	1.0	1.0	1.0
NEX2901AR	2.0	2.0	1.4	1.0	4.0	1.0	1.0
NEX3301H1R	2.0	3.5	1.9	1.0	3.0	1.0	1.0
SD93-828R	2.0	2.0	1.3	1.0	2.0	1.0	1.0
SDX00R-030-16	2.0	2.0	1.3	1.0	1.0	1.0	1.0
SDX00R-039-42	2.0	2.0	1.4	1.0	2.0	1.0	1.0
SD01-76R	2.0	2.0	1.4	1.0	1.0	1.0	1.0
SD01-979R	2.0	2.0	2.2	1.0	4.0	2.0	1.0
SD01-1459R	2.0	2.0	1.4	1.0	3.0	2.0	1.0
SD01-3603R	3.0	2.0	2.4	1.0	3.0	1.0	1.0

UNIFORM TEST II Roundup-Ready, 2004

PLANT HEIGHT (inches)

Strain	Mean 10 Tests	Fayetteville* irrigated AR	Urbana II	Lafayette IN	Wanatah IN	Ingham County MI	Beemer NE	Cotesfield NE
AG2302	28	28	28	29	30	25		
DKB20-52 (SCN)	27	27	26	28	29	24		
DKB26-52 (SCN)	33	31	32	34	36	29		
AG2801 (SCN)	30	31	32	32	32	23		
LD00-9276	31	30	32	31	34	27		
NEX2301KR	24	23	23	22	26	20		
NEX2403K1R	27	24	25	29	29	23		
NEX2403K2R	27	22	24	27	28	24		
NEX2503LR	28	27	29	28	31	25		
NEX2603UR	34	33	34	36	37	29		
NEX27031R	30	31	31	31	32	28		
NEX27032R	30	26	28	29	30	27		
NEX27033R	30	26	28	30	33	26		
NEX2803Y3R	30	23	28	30	32	27		
NEX2803Y5R	29	27	28	31	32	28		
NEX2901AR	30	25	26	28	33	29		
NEX3301H1R	31	26	29	32	35	31		
SD93-828R	29	27	27	30	33	26		
SDX00R-030-16	27	29	27	27	30	25		
SDX00R-039-42	31	33	30	33	35	28		
SD01-76R	29	25	27	30	33	24		
SD01-979R	33	32	34	34	35	30		
SD01-1459R	32	34	33	34	37	27		
SD01-3603R	34	34	33	38	40	29		

*Data not included in mean.

UNIFORM TEST II Roundup-Ready, 2004

PLANT HEIGHT (inches)

Strain	Goehner NE	Tekamah NE	Wooster OH	Chatham Ont	Beresford SD	Brookings SD	Sinai SD
AG2302	30		25	26	33	30	23
DKB20-52 (SCN)	29		24	27	29	29	23
DKB26-52 (SCN)	38		31	33	40	32	25
AG2801 (SCN)	35		27	26	34	31	25
LD00-9276	36		29	29	36	35	22
NEX2301KR	25		22	21	29	27	23
NEX2403K1R	27		23	29	34	28	25
NEX2403K2R	29		23	27	36	30	25
NEX2503LR	32		25	25	36	28	24
NEX2603UR	38		30	33	43	36	25
NEX27031R	33		29	27	36	30	24
NEX27032R	29		28	29	35	34	29
NEX27033R	32		29	30	36	30	27
NEX2803Y3R	31		28	28	39	32	29
NEX2803Y5R	31		27	30	30	32	23
NEX2901AR	34		25	27	41	33	25
NEX3301H1R	34		28	35	36	30	23
SD93-828R	32		26	28	36	28	24
SDX00R-030-16	33		22	24	29	34	16
SDX00R-039-42	38		29	26	34	32	25
SD01-76R	36		23	24	35	35	20
SD01-979R	35		31	25	42	32	28
SD01-1459R	37		29	25	38	38	24
SD01-3603R	40		35	32	44	31	22

UNIFORM TEST II Roundup-Ready, 2004

SEED SIZE (g/100)

Strain	Mean 10 Tests	Fayetteville* irrigated AR	Urbana II	Lafayette IN	Wanatah IN	Ingham County MI	Beemer NE	Cotesfield NE
AG2302	15.3	17.1	14.5	14.7	18.6	15.1	14.9	
DKB20-52 (SCN)	15.1	16.5	14.6	14.0	17.1	15.1	14.6	
DKB26-52 (SCN)	14.1	14.6	13.7	13.8	16.5	14.1	12.5	
AG2801 (SCN)	14.5	16.1	13.7	15.3	17.9	13.8	13.1	
LD00-9276	12.3	12.5	11.4	12.5	13.7	12.4	12.3	
NEX2301KR	14.8	16.1	14.7	14.7	17.6	14.4	14.0	
NEX2403K1R	14.3	15.1	12.7	13.6	17.1	13.5	13.1	
NEX2403K2R	14.0	13.0	13.4	13.9	17.1	12.5	13.1	
NEX2503LR	14.9	16.1	14.2	15.3	17.9	13.7	14.6	
NEX2603UR	14.9	15.0	13.8	15.0	17.7	14.5	14.1	
NEX27031R	16.2	17.4	14.6	15.4	19.8	15.8	15.0	
NEX27032R	14.0	14.7	12.3	14.4	16.9	13.1	12.5	
NEX27033R	15.2	17.9	14.1	16.1	19.4	14.2	13.9	
NEX2803Y3R	14.6	15.6	14.2	14.9	19.7	13.1	13.3	
NEX2803Y5R	14.6	15.5	13.2	15.6	19.4	12.4	12.9	
NEX2901AR	16.0	17.3	13.9	15.8	19.4	15.7	14.2	
NEX3301H1R	16.7	18.1	14.6	16.5	19.6	16.3	14.4	
SD93-828R	13.5	14.2	12.5	13.3	15.3	12.6	13.0	
SDX00R-030-16	17.0	19.5	16.0	16.8	20.6	17.4	16.9	
SDX00R-039-42	13.3	14.1	12.0	12.0	16.0	13.2	12.6	
SD01-76R	13.9	12.9	13.6	14.1	16.8	13.3	12.4	
SD01-979R	13.7	13.8	11.4	13.4	16.5	14.4	12.4	
SD01-1459R	13.3	14.0	11.7	12.9	15.5	13.3	12.6	
SD01-3603R	17.5	18.8	16.6	18.6	22.1	16.6	16.2	

*Data not included in mean.

UNIFORM TEST II Roundup-Ready, 2004

SEED SIZE (g/100)

Strain	Goehner NE	Tekamah NE	Wooster OH	Chatham Ont	Beresford SD	Brookings SD	Sinai SD
AG2302		15.6	16.5		15.9	13.7	13.6
DKB20-52 (SCN)		14.2	15.6		18.4	13.5	13.7
DKB26-52 (SCN)		13.5	14.7		15.7	13.2	12.9
AG2801 (SCN)		13.5	15.8		15.7	14.2	12.4
LD00-9276		11.1	14.0		13.9	11.4	10.6
NEX2301KR		15.1	16.0		15.0	13.6	13.1
NEX2403K1R		13.8	14.4		17.5	14.2	13.3
NEX2403K2R		14.1	15.5		16.3	12.6	12.0
NEX2503LR		14.3	16.1		16.5	12.8	13.2
NEX2603UR		13.9	16.8		15.8	14.1	13.0
NEX27031R		16.0	17.3		16.9	15.6	15.3
NEX27032R		12.9	15.4		18.7	12.8	11.4
NEX27033R		14.6	17.0		14.6	14.9	13.1
NEX2803Y3R		13.7	16.5		15.1	13.9	11.7
NEX2803Y5R		13.7	15.5		18.2	12.9	11.9
NEX2901AR		15.2	16.2		21.4	14.9	13.6
NEX3301H1R		16.6	17.4		19.0	17.5	15.1
SD93-828R		12.9	13.3		18.1	11.5	12.2
SDX00R-030-16		16.7	19.0		17.2	15.0	14.9
SDX00R-039-42		12.3	14.7		15.5	12.2	12.5
SD01-76R		14.7	14.3		14.6	13.4	12.3
SD01-979R		12.9	14.9		17.0	13.2	11.1
SD01-1459R		13.9	13.4		16.8	10.9	11.9
SD01-3603R		16.2	20.1		19.8	13.8	14.8

UNIFORM TEST II Roundup-Ready, 2004

SEED QUALITY (score)

Strain	Mean 7 Tests	Fayetteville* irrigated AR	Urbana II	Lafayette IN	Wanatah IN	Ingham County MI	Beemer NE	Cotesfield NE
AG2302	1.6	3.3	1.0	1.0	2.0			
DKB20-52 (SCN)	1.5	1.8	1.0	1.0	1.5			
DKB26-52 (SCN)	1.5	2.0	1.0	1.0	1.5			
AG2801 (SCN)	1.7	1.3	1.0	1.0	1.5			
LD00-9276	1.3	2.2	1.0	1.0	1.0			
NEX2301KR	1.5	2.0	1.0	1.0	1.5			
NEX2403K1R	1.6	1.8	1.0	1.0	1.5			
NEX2403K2R	1.6	3.0	1.0	1.0	1.5			
NEX2503LR	1.5	2.8	1.0	1.0	1.0			
NEX2603UR	1.7	3.0	1.0	1.0	2.0			
NEX27031R	1.5	1.3	1.0	1.0	1.5			
NEX27032R	1.6	1.8	1.0	1.0	1.0			
NEX27033R	1.5	1.5	1.0	1.0	1.5			
NEX2803Y3R	1.7	2.5	1.0	1.0	1.5			
NEX2803Y5R	1.7	3.0	1.0	1.0	1.5			
NEX2901AR	1.7	1.8	1.0	1.0	1.5			
NEX3301H1R	1.7	1.3	1.0	1.0	1.5			
SD93-828R	1.5	3.3	1.0	1.0	1.5			
SDX00R-030-16	1.7	2.0	1.0	1.0	1.5			
SDX00R-039-42	1.7	3.8	1.0	1.0	1.5			
SD01-76R	1.8	2.0	1.0	1.0	1.5			
SD01-979R	1.5	1.0	1.0	1.0	1.0			
SD01-1459R	1.5	1.8	1.0	1.0	1.0			
SD01-3603R	1.7	4.0	1.0	1.0	1.5			

*Data not included in mean.

UNIFORM TEST II Roundup-Ready, 2004

SEED QUALITY (score)

Strain	Goehner NE	Tekamah NE	Wooster OH	Chatham Ont	Beresford SD	Brookings SD	Sinai SD
AG2302			1.3		2.0	2.0	2.0
DKB20-52 (SCN)			1.3		2.0	2.0	2.0
DKB26-52 (SCN)			1.3		2.0	2.0	2.0
AG2801 (SCN)			1.3		2.0	2.0	3.0
LD00-9276			1.4		1.0	2.0	2.0
NEX2301KR			1.3		2.0	2.0	2.0
NEX2403K1R			1.6		2.0	2.0	2.0
NEX2403K2R			1.4		2.0	2.0	2.0
NEX2503LR			1.3		2.0	2.0	2.0
NEX2603UR			1.8		2.0	2.0	2.0
NEX27031R			1.3		2.0	2.0	2.0
NEX27032R			1.3		3.0	2.0	2.0
NEX27033R			1.3		2.0	2.0	2.0
NEX2803Y3R			1.3		2.0	2.0	3.0
NEX2803Y5R			1.3		2.0	2.0	3.0
NEX2901AR			1.3		3.0	2.0	2.0
NEX3301H1R			1.3		2.0	2.0	3.0
SD93-828R			1.3		2.0	2.0	2.0
SDX00R-030-16			1.5		2.0	2.0	3.0
SDX00R-039-42			1.3		3.0	2.0	2.0
SD01-76R			1.3		2.0	3.0	3.0
SD01-979R			1.3		2.0	2.0	2.0
SD01-1459R			1.3		2.0	2.0	2.0
SD01-3603R			1.3		2.0	2.0	3.0

UNIFORM TEST II Roundup-Ready, 2004

PROTEIN (%)

Strain	Mean 5 Tests	Urbana IL	Lafayette IN	Wanatah IN	Wooster OH	Brookings SD
AG2302	39.9	41.3	40.4	41.0	38.1	38.9
DKB20-52 (SCN)	39.8	40.8	38.7	40.9	40.8	37.7
DKB26-52 (SCN)	40.6	40.8	39.7	41.7	40.1	40.5
AG2801 (SCN)	40.4	40.0	39.8	41.5	40.1	40.6
LD00-9276	40.3	40.2	41.0	41.7	40.2	38.6
NEX2301KR	39.8	40.9	39.5	39.4	39.6	39.8
NEX2403K1R	39.5	40.6	37.9	40.0	38.7	40.3
NEX2403K2R	39.5	39.9	39.7	40.1	37.9	40.0
NEX2503LR	41.2	41.7	40.9	42.1	41.1	40.2
NEX2603UR	40.5	41.2	40.1	41.9	39.3	40.0
NEX27031R	39.5	39.9	39.5	40.7	39.8	37.8
NEX27032R	39.2	39.1	38.4	40.9	39.6	38.1
NEX27033R	40.2	39.5	40.9	41.6	38.8	40.4
NEX2803Y3R	39.3	39.3	39.2	41.5	38.2	38.2
NEX2803Y5R	39.5	40.3	40.0	41.4	39.0	37.0
NEX2901AR	39.4	41.0	39.7	40.9	37.6	37.7
NEX3301H1R	40.4	40.1	39.7	41.6	39.3	41.4
SD93-828R	38.4	39.7	38.6	39.0	38.1	36.6
SDX00R-030-16	42.7	42.6	42.5	45.3	40.5	42.8
SDX00R-039-42	37.1	37.7	36.2	37.8	37.4	36.3
SD01-76R	39.7	40.6	39.2	39.5	39.9	39.2
SD01-979R	41.5	40.8	40.9	43.7	41.8	40.3
SD01-1459R	39.1	38.8	38.9	41.1	39.9	37.0
SD01-3603R	38.6	39.1	37.8	40.8	38.1	37.4

UNIFORM TEST II Roundup-Ready, 2004

OIL (%)

Strain	Mean 5 Tests	Urbana IL	Lafayette IN	Wanatah IN	Wooster OH	Brookings SD
AG2302	19.4	20.1	18.9	19.1	19.7	19.1
DKB20-52 (SCN)	19.6	20.4	20.3	19.0	18.3	20.2
DKB26-52 (SCN)	18.3	18.6	19.3	17.5	18.3	17.8
AG2801 (SCN)	18.8	19.7	19.3	18.6	18.6	17.5
LD00-9276	18.6	19.5	18.4	18.7	18.7	17.9
NEX2301KR	19.2	20.4	20.1	18.5	19.0	17.8
NEX2403K1R	19.0	19.4	19.5	19.2	18.8	18.2
NEX2403K2R	19.0	20.1	18.5	19.2	19.7	17.4
NEX2503LR	18.3	19.2	18.1	18.3	18.3	17.7
NEX2603UR	18.9	19.7	19.0	18.6	19.3	17.9
NEX27031R	19.6	20.5	19.9	19.3	19.2	19.2
NEX27032R	19.1	19.9	20.3	18.4	18.7	18.0
NEX27033R	18.3	19.5	18.3	17.7	18.7	17.3
NEX2803Y3R	18.7	19.4	18.6	18.5	18.7	18.0
NEX2803Y5R	19.0	19.6	18.5	19.0	18.8	19.0
NEX2901AR	19.1	18.5	19.6	18.7	19.8	18.6
NEX3301H1R	18.1	19.4	18.2	18.2	18.3	16.3
SD93-828R	19.7	20.1	19.9	19.6	19.4	19.5
SDX00R-030-16	19.3	20.5	20.5	18.3	18.5	18.7
SDX00R-039-42	20.1	20.7	20.5	19.9	19.8	19.4
SD01-76R	20.0	21.1	19.9	20.6	19.7	18.7
SD01-979R	18.7	19.5	19.1	18.2	18.2	18.6
SD01-1459R	19.6	20.8	19.8	18.9	19.2	19.2
SD01-3603R	20.1	21.1	20.5	19.5	19.9	19.4

Preliminary Test II Roundup-Ready, 2004

Ent.	Strain	Parentage	Generation Composited	Unique Traits
1	AG2302			
2.	DKB20-52 (SCN)	replaces AG1902		
3.	DKB26-52 (SCN)	replaces HF9667-2-4RR		
4.	AG2801 (SCN)			
5.	LD01-11154	C1963 x LDX97001 (Olympus x 970203)	F5	
6.	LD01-11244	E95562 x LDX97001 (Olympus x 970203)	F5	
7.	LD01-11363	U94-2306 x LDX97001 (Olympus x 970203)	F5	
8.	LD01-11378	U94-2306 x LDX97001 (Olympus x 970203)	F5	
9.	LD01-11413	U94-2306 x LDX97001 (Olympus x 970203)	F5	
10.	SDX00-024R-49	Pioneer P9163 x SD93-828R	F4	RR
11.	SDX00-051R-23	A96-246029 x SD1081RR	F4	RR
12.	SDX00R-014-50	IA2038 x SD1081RR	F4	RR
13.	SDX00R-015-4	Spink x SD93-828R	F4	RR
14.	SDX00R-015-9	Spink x SD93-828R	F4	RR
15.	SDX00R-030-30	IA2041 x SD1091RR	F4	RR
16.	SDX00R-035-56	A97-771039 X SD1081RR	F4	RR
17.	SD01-5R	Stride (1) x Resnik RR	F5	RR
18.	SD01-1135R	SD93-1043 x SD1091RR	F5	RR
19.	SD01-2352R	SD94-477 x SD93-522RR	F5	RR
20.	SD01-2469R	Stride (1) x Resnik RR	F5	RR
21.	SD01-2493R	Stride (1) x Resnik RR	F5	RR
22.	SD01-2504R	Stride (1) x Resnik RR	F5	RR
23.	SD01-2509R	Stride (1) x Resnik RR	F5	RR
24.	SD01-2520R	Stride (1) x Resnik RR	F5	RR
25.	SD01-2961R	SD94-1520 x SD1091RR	F5	RR
26.	SD01-3222R	Stride (1) x Resnik RR	F5	RR

PRELIMINARY TEST II Roundup-Ready, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Green Stem</u>	<u>Shattering</u>	<u>PR</u>		<u>PS</u>	<u>FE</u>
		Score Wanatah IN	Score Manhattan	Lafayette Race 4	Lafayette Race 7	Lafayette a %	n
AG2302	PGTIYIbI	1.0	1.0	R	R	14	
DKB20-52 (SCN)	PGTDYIbI	1.0	1.0	R	R	14	
DKB26-52 (SCN)	PGTDYIbI	1.0	1.0	S	R	3	S
AG2801 (SCN)	PTTDYLbII	2.5	1.0	S	H	6	
LD01-11154	PTBSYBII	1.0	1.0	R	R	2	
LD01-11244	PSBDYBI+IbI	1.0	1.0	S	R	2	
LD01-11363	PTBDYBII	3.0	1.0	S	R	5	
LD01-11378	PTBDYBII	1.0	1.0	S	S	1	
LD01-11413	PTBDYBII	1.0	1.0	S	S	4	
SDX00-024R-49	PGBDYIbI	1.0	1.0	H	R	5	S
SDX00-051R-23	PGBDYBfI	1.0	1.0	S	R	2	
SDX00R-014-50	PT+GBDYBI+IbI	1.0	1.0	R	R	21	
SDX00R-015-4	PGBDYIbI	1.0	1.0	S	R	7	
SDX00R-015-9	PGBDYBfI	1.0	1.0	R	S	5	
SDX00R-030-30	PT+GBDYBI+IbI	1.5	1.0	R	R	19	S
SDX00R-035-56	WGBDYLbI	1.5	1.0	S	S	10	S
SD01-5R	PGTIYIbI	1.0	1.0	S	S	13	S
SD01-1135R	PGSDYIbI	1.0	1.0	S	R	7	S
SD01-2352R	PTBDYBII	1.0	1.0	S	R	8	S
SD01-2469R	PGBIYIbI	1.0	1.0	R	R	15	S
SD01-2493R	PGSDYIbI	1.0	1.0	H	R	6	
SD01-2504R	PGBDYIbI	1.0	1.0	S	R	7	
SD01-2509R	PGBIYIbI	2.5	1.0	S	R	7	
SD01-2520R	PGSDYIbI	1.0	1.0	S	R	5	
SD01-2961R	WGBDYBfI	2.0	1.0	S	H	37	
SD01-3222R	PGBDYIbI	1.0	1.0	S	R	7	

Frogeye Leaf Spot S = susceptible, blank = lesions not detected

PRELIMINARY TEST II Roundup-Ready, 2004

REGIONAL SUMMARY

No. of Tests Strain	Yield 7 bu/a	Rank 7 No.	Maturity 8 Date	Lodging 7 Score	Plant Height 7 In.	Seed Size 7 g/100	Seed Quality 6 Score	Composition	
								Protein 5 %	Oil 5 %
AG2302	56.2	4	9/16	1.0	28	16.0	1.6	40.1	19.2
DKB20-52 (SCN)	56.8	1	0.5	1.2	28	15.3	1.6	39.2	19.7
DKB26-52 (SCN)	54.2	5	5.8	1.2	31	14.8	1.4	41.2	18.7
AG2801 (SCN)	56.6	3	7.7	1.2	30	15.2	1.7	40.5	18.6
LD01-11154	52.5	10	7.5	1.2	31	14.2	1.4	38.9	19.8
LD01-11244	53.8	6	4.5	1.4	31	13.9	1.4	38.9	19.0
LD01-11363	56.7	2	6.6	1.4	33	13.4	1.6	39.8	18.8
LD01-11378	53.6	7	2.5	1.3	30	14.0	1.4	38.4	19.6
LD01-11413	53.0	8	6.3	1.3	32	13.6	1.6	38.8	19.4
SDX00-024R-49	47.1	20	-0.8	1.0	26	12.9	1.5	37.9	19.4
SDX00-051R-23	30.8	26	-8.5	1.0	20	12.6	1.7	40.7	18.8
SDX00R-014-50	48.0	17	0.2	1.2	27	16.4	1.5	39.2	20.3
SDX00R-015-4	38.1	25	-5.6	1.0	24	12.4	1.7	37.9	20.0
SDX00R-015-9	49.7	13	0.6	1.2	28	14.9	1.9	38.4	19.6
SDX00R-030-30	47.9	18	2.8	1.0	26	16.0	1.9	40.4	18.8
SDX00R-035-56	52.7	9	1.2	1.2	30	13.0	1.5	38.7	18.9
SD01-5R	50.9	11	0.4	1.2	28	15.5	1.6	39.8	19.8
SD01-1135R	47.1	20	-0.4	1.2	26	15.9	1.7	40.1	19.1
SD01-2352R	43.3	24	-1.8	1.4	28	15.2	2.1	40.7	18.4
SD01-2469R	46.0	22	-1.5	1.0	25	15.6	1.6	39.4	20.6
SD01-2493R	44.0	23	-1.8	1.0	25	15.3	1.8	40.5	20.0
SD01-2504R	48.5	16	1.3	1.0	24	14.6	1.4	39.9	19.9
SD01-2509R	49.4	14	5.3	1.0	23	13.1	1.3	38.6	20.1
SD01-2520R	49.3	15	0.2	1.2	27	15.5	1.7	39.3	20.6
SD01-2961R	50.1	12	4.5	1.5	31	15.8	1.7	41.1	18.7
SD01-3222R	47.9	18	-0.2	1.0	27	15.1	1.5	39.1	20.5

121.1 Days After Planting

PRELIMINARY TEST II Roundup-Ready, 2004

YIELD (bu/a)

Strain	Mean	Urbana IL	Lafayette IN	Wanatah IN	Ingham	Wooster OH	Chatham Ont.	Beresford* SD	Brookings SD
	7 Tests				County MI				
AG2302	56.2	46.3	51.1	59.0	51.2	68.4	70.8	49.0	46.7
DKB20-52 (SCN)	56.8	47.7	48.7	63.1	51.6	64.5	72.2	63.0	49.6
DKB26-52 (SCN)	54.2	48.6	50.8	59.2	45.0	69.0	71.1	62.0	35.9
AG2801 (SCN)	56.6	53.1	55.8	68.6	45.2	72.0	66.2	34.0	35.3
LD01-11154	52.5	47.4	52.4	54.2	45.7	69.9	67.0	60.0	30.8
LD01-11244	53.8	44.6	49.3	67.4	50.2	69.6	64.7	62.0	30.7
LD01-11363	56.7	57.3	53.9	64.3	45.5	69.7	68.1	53.0	38.2
LD01-11378	53.6	50.7	48.0	61.2	37.8	72.9	65.9	44.0	38.9
LD01-11413	53.0	48.6	47.1	65.3	44.7	71.3	60.3	54.0	33.7
SDX00-024R-49	47.1	33.4	39.1	58.0	35.3	59.2	62.8	46.0	41.6
SDX00-051R-23	30.8	19.5	18.8	31.7	22.8	34.7	47.0	61.0	40.8
SDX00R-014-50	48.0	41.6	40.7	51.8	37.7	61.4	61.6	55.0	41.3
SDX00R-015-4	38.1	29.6	31.3	41.7	33.2	45.6	50.7	55.0	34.9
SDX00R-015-9	49.7	39.8	45.0	58.3	39.7	60.5	64.0	48.0	40.9
SDX00R-030-30	47.9	42.3	42.9	51.7	38.8	56.9	60.4	39.0	42.5
SDX00R-035-56	52.7	42.2	47.3	69.3	41.9	58.4	69.3	54.0	40.7
SD01-5R	50.9	39.2	44.5	64.0	42.5	55.5	67.0	58.0	43.5
SD01-1135R	47.1	40.0	39.5	57.5	30.2	61.8	59.5	65.0	41.0
SD01-2352R	43.3	32.9	32.1	54.2	36.1	46.5	63.8	48.0	37.4
SD01-2469R	46.0	31.5	34.7	55.0	47.5	50.4	62.8	53.0	39.9
SD01-2493R	44.0	30.9	39.0	50.2	45.3	43.1	61.2	65.0	38.4
SD01-2504R	48.5	35.1	45.0	53.6	35.3	55.6	71.1		43.8
SD01-2509R	49.4	33.8	43.3	63.5	40.5	59.3	66.8		38.8
SD01-2520R	49.3	37.1	41.0	60.2	44.5	54.1	67.9	58.0	40.0
SD01-2961R	50.1	40.8	41.5	62.6	40.2	63.6	67.2	42.0	35.0
SD01-3222R	47.9	35.1	37.4	51.8	48.6	54.5	66.1	46.0	41.8
C.V. (%)		7.8	6.6	6.7	15.6	5.9	5.3	18.0	8.0
L.S.D. (5%)		6.5	5.8	8.0	11.0	5.7	5.9	16.0	5.3
Row Sp. (In.)		30	24	26	15	7.5	17	30	30
Rows/Plot		4	4	4	6	8	5	4	4
Reps		2	2	2	2	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST II Roundup-Ready, 2004

YIELD RANK

Strain	Yield Rank	Ingham							
		Urbana IL	Lafayette IN	Wanatah IN	County MI	Wooster OH	Chatham Ont.	Beresford SD	Brookings SD
AG2302	4	8	4	13	2	8	4	16	2
DKB20-52 (SCN)	1	6	7	8	1	9	1	3	1
DKB26-52 (SCN)	5	4	5	12	10	7	2	4	20
AG2801 (SCN)	3	2	1	2	9	2	12	24	21
LD01-11154	10	7	3	18	6	4	9	7	25
LD01-11244	6	9	6	3	3	6	15	4	26
LD01-11363	2	1	2	5	7	5	6	14	18
LD01-11378	7	3	8	10	19	1	14	21	15
LD01-11413	8	4	10	4	11	3	23	12	24
SDX00-024R-49	20	21	20	15	22	15	18	19	7
SDX00-051R-23	26	26	26	26	26	26	26	6	11
SDX00R-014-50	17	12	18	21	20	12	20	10	8
SDX00R-015-4	25	25	25	25	24	24	25	10	23
SDX00R-015-9	13	15	11	14	17	13	16	17	10
SDX00R-030-30	18	10	15	23	18	17	22	23	5
SDX00R-035-56	9	11	9	1	14	16	5	12	12
SD01-5R	11	16	13	6	13	19	10	8	4
SD01-1135R	20	14	19	16	25	11	24	1	9
SD01-2352R	24	22	24	18	21	23	17	17	19
SD01-2469R	22	23	23	17	5	22	19	14	14
SD01-2493R	23	24	21	24	8	25	21	2	17
SD01-2504R	16	19	11	20	23	18	3		3
SD01-2509R	14	20	14	7	15	14	11		16
SD01-2520R	15	17	17	11	12	21	7	8	13
SD01-2961R	12	13	16	9	16	10	8	22	22
SD01-3222R	18	19	22	21	4	20	13	19	6

PRELIMINARY TEST II Roundup-Ready, 2004

MATURITY (date)

Strain	Mean	Urbana IL	Lafayette IN	Wanatah IN	Ingham	Wooster OH	Chatham Ont.	Beresford SD	Brookings SD
	8 Tests				County MI				
AG2302	9/16	8/26	9/5	9/15	9/29	9/12	10/3	9/19	9/20
DKB20-52 (SCN)	0.5	0	0	1	0	-1	0	3	1
DKB26-52 (SCN)	5.8	9	3	4	2	9	5	9	6
AG2801 (SCN)	7.7	14	9	7	4	10	7	6	5
LD01-11154	7.5	10	6	4	2	11	5	11	11
LD01-11244	4.5	10	5	3	2	9	5	2	0
LD01-11363	6.6	10	5	7	1	8	7	8	7
LD01-11378	2.5	8	2	0	0	4	0	5	1
LD01-11413	6.3	12	6	5	2	8	5	8	5
SDX00-024R-49	-0.8	-1	0	0	-1	1	-1	-1	-3
SDX00-051R-23	-8.5	-12	-11	-8	-7	-10	-8	-6	-6
SDX00R-014-50	0.2	-2	-2	0	-2	-3	0	6	4
SDX00R-015-4	-5.6	-10	-6	-5	-7	-2	-8	-4	-3
SDX00R-015-9	0.6	-3	-2	0	-2	-1	-2	8	7
SDX00R-030-30	2.8	4	1	0	-1	4	0	8	7
SDX00R-035-56	1.2	3	0	4	1	-2	1	2	1
SD01-5R	0.4	-2	1	0	0	2	0	2	0
SD01-1135R	-0.4	-2	-1	0	-3	-2	-3	0	8
SD01-2352R	-1.8	-4	-4	0	-3	1	-3	0	-2
SD01-2469R	-1.5	-4	-1	0	-3	-1	0	-1	-2
SD01-2493R	-1.8	-4	1	0	-2	-1	-1	-4	-4
SD01-2504R	1.3	-3	1	0	-2	-2	-1	9	8
SD01-2509R	5.3	2	5	4	2	10	5	8	6
SD01-2520R	0.2	-3	1	0	-2	-1	-1	4	3
SD01-2961R	4.5	4	2	3	2	10	5	6	4
SD01-3222R	-0.2	-3	1	0	-2	1	-1	2	1
Date Planted	5/17	5/6	5/18	5/21	6/4	4/29	6/8	5/12	5/13
Days to Mature	121	112	110	117	117	136	117	130	130

PRELIMINARY TEST II Roundup-Ready, 2004

LODGING (score)

Strain	Mean 7 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Wooster OH	Chatham Ont.	Beresford* SD	Brookings SD
AG2302	1.0	1.0	1.0	1.0	1.0	1.2	1.0	2.0	1.0
DKB20-52 (SCN)	1.2	1.0	1.0	1.0	1.0	1.3	1.0	2.0	2.0
DKB26-52 (SCN)	1.2	1.0	1.5	1.3	1.0	1.4	1.0		1.0
AG2801 (SCN)	1.2	1.0	1.0	1.0	1.0	1.4	1.0		2.0
LD01-11154	1.2	1.0	1.0	1.0	1.0	1.5	1.0	1.0	2.0
LD01-11244	1.4	1.0	1.0	1.0	1.0	1.5	1.0	4.0	3.0
LD01-11363	1.4	1.0	1.0	1.5	1.0	1.4	1.0		3.0
LD01-11378	1.3	1.0	1.0	1.0	1.0	1.4	1.0		3.0
LD01-11413	1.3	1.0	1.0	1.0	1.0	1.4	1.0		3.0
SDX00-024R-49	1.0	1.0	1.0	1.0	1.0	1.3	1.0		1.0
SDX00-051R-23	1.0	1.0	1.0	1.0	1.0	1.2	1.0	2.0	1.0
SDX00R-014-50	1.2	1.0	1.0	1.0	1.0	1.3	1.0	3.0	2.0
SDX00R-015-4	1.0	1.0	1.0	1.0	1.0	1.3	1.0	2.0	1.0
SDX00R-015-9	1.2	1.0	1.0	1.0	1.0	1.3	1.0	2.0	2.0
SDX00R-030-30	1.0	1.0	1.0	1.0	1.0	1.3	1.0		1.0
SDX00R-035-56	1.2	1.0	1.0	1.0	1.0	1.4	1.0	2.0	2.0
SD01-5R	1.2	1.0	1.0	1.0	1.0	1.3	1.0	2.0	2.0
SD01-1135R	1.2	1.0	1.0	1.0	1.0	1.3	1.0	3.0	2.0
SD01-2352R	1.4	1.0	1.0	1.5	1.0	1.3	1.0	3.0	3.0
SD01-2469R	1.0	1.0	1.0	1.0	1.0	1.3	1.0	2.0	1.0
SD01-2493R	1.0	1.0	1.0	1.0	1.0	1.3	1.0	2.0	1.0
SD01-2504R	1.0	1.0	1.0	1.0	1.0	1.3	1.0		1.0
SD01-2509R	1.0	1.0	1.0	1.0	1.0	1.3	1.0	1.0	1.0
SD01-2520R	1.2	1.0	1.0	1.0	1.0	1.3	1.0	2.0	2.0
SD01-2961R	1.5	1.0	1.0	1.3	1.5	1.5	1.0		3.0
SD01-3222R	1.0	1.0	1.0	1.0	1.0	1.3	1.0	2.0	1.0

*Data not included in mean.

PRELIMINARY TEST II Roundup-Ready, 2004

PLANT HEIGHT (inches)

Strain	Mean 7 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Wooster OH	Chatham Ont.	Beresford* SD	Brookings SD
AG2302	28	27	30	32	27	23	27	40	33
DKB20-52 (SCN)	28	28	29	31	25	24	26	40	33
DKB26-52 (SCN)	31	30	35	36	30	27	31		28
AG2801 (SCN)	30	31	32	32	23	25	30		35
LD01-11154	31	30	31	33	27	27	30	33	36
LD01-11244	31	31	30	35	28	24	30	46	38
LD01-11363	33	34	33	36	29	26	32		40
LD01-11378	30	32	30	34	22	28	30		36
LD01-11413	32	34	32	36	27	26	32		37
SDX00-024R-49	26	26	26	29	18	23	24		33
SDX00-051R-23	20	15	19	22	16	14	23	42	28
SDX00R-014-50	27	26	28	29	23	24	26	40	32
SDX00R-015-4	24	23	26	26	22	17	23	39	30
SDX00R-015-9	28	27	30	31	24	20	29	39	33
SDX00R-030-30	26	28	28	30	20	21	26		32
SDX00R-035-56	30	27	29	35	25	21	30	39	41
SD01-5R	28	26	29	32	23	24	28	39	37
SD01-1135R	26	27	27	32	20	19	26	46	32
SD01-2352R	28	26	28	34	23	24	31	41	31
SD01-2469R	25	22	25	29	25	17	25	37	32
SD01-2493R	25	24	27	28	21	17	24	40	35
SD01-2504R	24	24	27	28	21	20	26		25
SD01-2509R	23	25	24	28	18	14	26	40	23
SD01-2520R	27	25	28	31	23	23	27	36	34
SD01-2961R	31	30	31	37	29	25	30		38
SD01-3222R	27	25	29	30	25	23	26	43	34

*Data not included in mean.

PRELIMINARY TEST II Roundup-Ready, 2004

SEED SIZE (g/100)

Strain	Mean 7 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Wooster OH	Chatham Ont.	Beresford SD	Brookings SD
AG2302	16.0	15.0	14.7	17.9	16.1	15.8		17.9	14.3
DKB20-52 (SCN)	15.3	15.3	14.2	17.1	14.2	14.5		16.7	15.4
DKB26-52 (SCN)	14.8	13.1	13.2	16.3	14.5	16.2		16.2	14.0
AG2801 (SCN)	15.2	14.1	14.5	17.5	14.6	15.7		15.6	14.6
LD01-11154	14.2	13.5	13.0	15.9	13.4	14.6		15.2	14.0
LD01-11244	13.9	13.0	12.9	15.7	13.2	13.8		14.8	14.1
LD01-11363	13.4	13.0	12.2	15.8	12.3	13.4		13.8	13.0
LD01-11378	14.0	13.2	12.7	16.0	13.5	13.9		15.2	13.2
LD01-11413	13.6	13.9	12.5	14.9	12.2	13.4		15.1	13.5
SDX00-024R-49	12.9	11.9	11.4	14.8	12.4	12.2		14.9	12.5
SDX00-051R-23	12.6	11.6	12.5	13.5	12.2	12.8		13.4	12.2
SDX00R-014-50	16.4	15.1	15.1	18.0	15.7	15.4		20.1	15.5
SDX00R-015-4	12.4	11.7	11.5	13.4	11.3	13.6		13.8	11.6
SDX00R-015-9	14.9	13.1	13.3	16.7	13.8	14.6		18.5	14.0
SDX00R-030-30	16.0	14.6	14.5	16.9	15.9	16.3		17.8	16.2
SDX00R-035-56	13.0	12.3	11.9	15.4	13.4	12.8		14.2	11.2
SD01-5R	15.5	14.2	14.7	17.7	14.7	15.7		16.8	14.5
SD01-1135R	15.9	14.7	13.5	17.5	15.5	16.7		18.7	14.8
SD01-2352R	15.2	13.6	14.3	16.6	15.6	14.9		17.4	14.3
SD01-2469R	15.6	14.8	15.0	16.8	14.6	15.4		17.3	15.1
SD01-2493R	15.3	13.7	14.1	16.7	14.7	14.6		18.5	14.9
SD01-2504R	14.6	13.1	15.0	16.6	14.5	14.3			14.2
SD01-2509R	13.1	12.1	12.2	14.9	12.6	14.4			12.5
SD01-2520R	15.5	13.8	14.4	16.7	14.2	15.4		19.3	14.7
SD01-2961R	15.8	14.4	14.9	18.0	14.8	17.5		17.1	13.7
SD01-3222R	15.1	14.1	14.6	17.2	14.4	14.4		17.9	13.4

PRELIMINARY TEST II Roundup-Ready, 2004

SEED QUALITY (score)

Strain	Mean 6 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ingham				
					County MI	Wooster OH	Chatham Ont.	Beresford SD	Brookings SD
AG2302	1.6	1.0	1.5	1.5		1.3		2.0	2.0
DKB20-52 (SCN)	1.6	1.0	1.5	1.5		1.3		2.0	2.0
DKB26-52 (SCN)	1.4	1.0	1.0	1.0		1.3		2.0	2.0
AG2801 (SCN)	1.7	1.0	1.0	1.0		1.3		3.0	3.0
LD01-11154	1.4	1.0	1.0	1.0		1.6		1.0	3.0
LD01-11244	1.4	1.0	1.0	1.0		1.4		2.0	2.0
LD01-11363	1.6	1.0	1.0	1.0		1.3		2.0	3.0
LD01-11378	1.4	1.0	1.0	1.0		1.3		2.0	2.0
LD01-11413	1.6	1.0	1.0	1.0		1.3		3.0	2.0
SDX00-024R-49	1.5	1.0	1.5	1.0		1.3		2.0	2.0
SDX00-051R-23	1.7	2.0	1.5	1.0		1.4		2.0	2.0
SDX00R-014-50	1.5	1.5	1.0	1.0		1.4		2.0	2.0
SDX00R-015-4	1.7	2.0	1.5	1.0		1.4		2.0	2.0
SDX00R-015-9	1.9	1.0	1.5	1.5		1.5		3.0	3.0
SDX00R-030-30	1.9	1.0	1.5	1.0		1.6		3.0	3.0
SDX00R-035-56	1.5	1.0	1.5	1.0		1.3		2.0	2.0
SD01-5R	1.6	1.5	1.5	1.0		1.3		1.0	3.0
SD01-1135R	1.7	1.5	2.0	1.0		1.4		2.0	2.0
SD01-2352R	2.1	1.5	1.5	1.0		1.3		3.0	4.0
SD01-2469R	1.6	1.5	1.5	1.0		1.4		2.0	2.0
SD01-2493R	1.8	1.0	1.5	1.0		1.3		3.0	3.0
SD01-2504R	1.4	1.0	1.5	1.0		1.3			2.0
SD01-2509R	1.3	1.0	1.0	1.0		1.4			2.0
SD01-2520R	1.7	1.5	1.5	1.0		1.4		3.0	2.0
SD01-2961R	1.7	1.5	1.5	2.0		1.3		2.0	2.0
SD01-3222R	1.5	1.0	1.5	1.0		1.3		2.0	2.0

PRELIMINARY TEST II Roundup-Ready, 2004

PROTEIN (%)

Strain	Mean 5 Tests	Urbana IL	Lafayette IN	Wanatah IN	Wooster OH	Brookings SD
AG2302	40.1	41.3	38.9	41.1	40.6	38.5
DKB20-52 (SCN)	39.2	40.6	39.1	40.1	38.4	37.7
DKB26-52 (SCN)	41.2	40.8	39.9	43.0	40.9	41.4
AG2801 (SCN)	40.5	40.2	39.7	41.5	39.4	41.7
LD01-11154	38.9	40.7	38.0	40.2	38.2	37.5
LD01-11244	38.9	40.3	38.1	39.4	39.0	37.8
LD01-11363	39.8	40.8	37.0	41.7	39.8	39.8
LD01-11378	38.4	40.1	36.5	39.7	37.0	38.7
LD01-11413	38.8	40.5	38.8	40.8	35.8	38.0
SDX00-024R-49	37.9	39.4	37.5	39.7	35.5	37.2
SDX00-051R-23	40.7	42.7	40.1	40.6	39.6	40.5
SDX00R-014-50	39.2	40.7	38.0	39.9	38.1	39.3
SDX00R-015-4	37.9	40.9	36.0	37.5	37.2	38.0
SDX00R-015-9	38.4	38.4	37.2	39.5	39.0	37.7
SDX00R-030-30	40.4	41.8	39.4	41.6	38.7	40.3
SDX00R-035-56	38.7	39.2	37.8	39.0	38.5	38.9
SD01-5R	39.8	40.5	39.3	40.0	39.6	39.7
SD01-1135R	40.1	40.6	38.5	40.5	38.8	42.0
SD01-2352R	40.7	42.3	40.3	40.8	38.9	41.1
SD01-2469R	39.4	41.0	37.7	39.8	38.6	39.8
SD01-2493R	40.5	42.7	38.9	42.5	39.0	39.4
SD01-2504R	39.9	40.7	39.0	40.5	38.5	40.6
SD01-2509R	38.6	40.1	36.7	39.4	37.3	39.3
SD01-2520R	39.3	41.1	37.6	39.5	38.6	39.8
SD01-2961R	41.1	41.4	39.9	41.8	40.5	41.7
SD01-3222R	39.1	41.1	38.6	39.3	37.6	38.8

PRELIMINARY TEST II Roundup-Ready, 2004

OIL (%)

Strain	Mean 5 Tests	Urbana IL	Lafayette IN	Wanatah IN	Wooster OH	Brookings SD
AG2302	19.2	20.3	19.9	19.4	18.2	18.2
DKB20-52 (SCN)	19.7	19.5	20.1	19.2	20.3	19.1
DKB26-52 (SCN)	18.7	19.0	19.6	18.4	18.6	17.8
AG2801 (SCN)	18.6	19.6	19.1	18.6	19.3	16.7
LD01-11154	19.8	20.2	20.3	19.5	19.8	19.3
LD01-11244	19.0	19.9	19.7	19.4	18.6	17.7
LD01-11363	18.8	19.6	20.2	18.0	18.3	17.8
LD01-11378	19.6	20.0	20.9	19.3	19.6	18.4
LD01-11413	19.4	20.3	20.2	18.2	20.2	18.2
SDX00-024R-49	19.4	20.1	19.5	18.7	19.8	18.8
SDX00-051R-23	18.8	19.4	19.1	18.7	18.9	17.8
SDX00R-014-50	20.3	21.4	20.3	20.0	20.8	19.3
SDX00R-015-4	20.0	20.5	20.5	20.2	20.0	19.1
SDX00R-015-9	19.6	21.0	20.2	19.1	18.5	19.0
SDX00R-030-30	18.8	19.0	19.2	19.1	19.2	17.8
SDX00R-035-56	18.9	19.2	19.7	19.1	18.6	17.9
SD01-5R	19.8	21.2	20.5	19.4	19.7	18.4
SD01-1135R	19.1	20.3	19.9	19.3	19.0	17.2
SD01-2352R	18.4	19.1	18.5	17.9	18.9	17.5
SD01-2469R	20.6	21.6	22.0	19.4	20.8	19.0
SD01-2493R	20.0	20.7	21.3	19.1	20.4	18.7
SD01-2504R	19.9	21.1	20.4	19.8	19.7	18.4
SD01-2509R	20.1	21.1	21.2	19.3	20.9	18.0
SD01-2520R	20.6	21.4	21.3	20.9	20.6	18.9
SD01-2961R	18.7	19.1	19.7	18.2	19.1	17.3
SD01-3222R	20.5	21.2	21.1	20.7	20.5	19.2

Uniform Test III Roundup-Ready, 2004

Ent.	Strain	Parentage	Previous Testing	Generation Compositied	Unique Traits
1.	AG3401		1		RR
2.	AG3003		1		RR
3.	AG3201		1		RR, SCN
4.	DKB38-52		1		RR, SCN
5.	LD01-11410	U94-2306 x LDX97001 (Olympus x 970203)	new	F5	
6.	K1623RR	Pioneer 9352 x K97-132	new	F5	RR
7.	NEX3003JR		new		Rps1-c
8.	NEX3203HR		new		Rps1-k, Det.
9.	NEX3301H2R		new		Det.
10.	NEX8903		new		Rps1-k

UNIFORM TEST III Roundup-Ready, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Green Stem</u>	<u>Shattering</u>	<u>PR</u>		<u>SDS</u>		<u>PS</u>	<u>FE</u>
		Score Lafayette IN	Score Manhattan KS	Lafayette Race 4	Lafayette Race 7	Valmeyer IL DX	Carmi IL DX	Lafayette a %	n
AG3401	PGBIYIbI	1.0	1.0	S	R	29	6	8	S
AG3003	PGBIYIbI	2.0	1.0	R	R	48	10	9	
AG3201	PGBIYIbI	1.0	1.0	R	R	18	4	9	S
DKB38-52	WGTSYLbfI	2.5	1.0	S	R	7	8	4	S
LD01-11410	P+WTBDYBI	1.0	2.0	S	S	24	5	3	S
K1623RR	PTBDYBrI	1.0	1.0	S	S	27	2	7	S
NEX3003JR	WGBDYIbI	1.0	1.0	S	R	34	2	1	S
NEX3203HR	PGBDYIbI	2.0	1.0	R	R	25	11	4	S
NEX3301H2R	WGBDYLbfI	1.0	1.0	S	R	27	1	11	S
NEX8903	PGBDYIbI	2.0	1.0	H*	R	33	16	10	S

Frogeye Leaf Spot S = susceptible, blank = lesions not detected

* = entry/*P. sojae* reaction questionable.

UNIFORM TEST III Roundup-Ready, 2004

REGIONAL SUMMARY

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	<u>Composition</u>	
	13 bu/a	13 No.	12 Date	14 Score	13 In.	12 g/100	12 Score	Protein 5 %	Oil 5 %
AG3401	62.2	3	9/22	1.7	36	15.4	3.0	40.7	18.9
AG3003	59.8	9	-3.8	1.3	32	14.3	3.0	40.6	18.8
AG3201	60.7	7	-5.3	1.5	33	14.9	3.0	40.2	18.6
DKB38-52	62.0	5	0.6	1.3	32	15.0	2.7	40.1	18.9
LD01-11410	56.6	10	-6.3	1.4	31	14.1	2.8	38.6	19.4
K1623RR	62.8	1	-2.3	1.5	32	16.3	2.9	40.3	19.6
NEX3003JR	60.3	8	-5.3	1.5	33	16.4	2.9	40.8	19.2
NEX3203HR	62.5	2	-3.4	1.2	29	15.3	2.9	39.6	19.0
NEX3301H2R	60.9	6	-4.9	1.4	29	17.4	3.3	39.7	19.0
NEX8903	62.1	4	-3.7	1.3	32	15.2	2.9	40.0	18.6

126.5 Days After Planting

UNIFORM TEST III Roundup-Ready, 2004

YIELD (bu/a)

Strain	Mean 13 Tests	Urbana IL	Lafayette IN	Butlerville* IN	Wanatah IN	Ashland KS	Manhattan KS	Ottawa KS
AG3401	62.2	63.2	52.4	35.3	74.9	64.1	51.9	55.2
AG3003	59.8	57.3	48.0	31.7	71.8	64.9	52.7	44.9
AG3201	60.7	59.7	58.9	33.6	79.5	67.8	48.3	53.2
DKB38-52	62.0	65.5	57.0	39.9	72.1	65.8	52.9	52.4
LD01-11410	56.6	55.5	44.6	31.3	69.9	62.8	51.2	46.6
K1623RR	62.8	63.2	51.9	42.5	75.2	68.3	56.8	48.1
NEX3003JR	60.3	59.2	53.4	31.8	71.4	60.9	50.0	55.6
NEX3203HR	62.5	62.7	57.3	23.1	72.8	66.8	58.0	51.4
NEX3301H2R	60.9	56.8	51.8	37.5	74.1	65.3	49.1	49.1
NEX8903	62.1	56.8	55.2	17.2	78.7	68.5	50.6	51.0
C.V. (%)		7.0	8.9	16.9	4.9	7.9	10.1	5.8
L.S.D. (5%)		7.2	7.9	9.2	6.0	8.9	9.0	5.1
Row Sp. (in.)		30	24	26	26	30	30	30
Rows/Plot		4	4	4	4	2	2	2
Reps		3	3	3	3	3	3	3

UNIFORM TEST III Roundup-Ready, 2004

YIELD RANK

Strain	Yield Rank	Urbana IL	Lafayette IN	Butlerville IN	Wanatah IN	Ashland KS	Manhattan KS	Ottawa KS
AG3401	3	2	6	4	4	8	5	2
AG3003	9	7	9	7	8	7	4	10
AG3201	7	5	1	5	1	3	10	3
DKB38-52	5	1	3	2	7	5	3	4
LD01-11410	10	10	10	8	10	9	6	9
K1623RR	1	3	7	1	3	2	2	8
NEX3003JR	8	6	5	6	9	10	8	1
NEX3203HR	2	4	2	9	6	4	1	5
NEX3301H2R	6	8	8	3	5	6	9	7
NEX8903	4	8	4	10	2	1	7	6

UNIFORM TEST III Roundup-Ready, 2004

YIELD (bu/a)

Strain	Portageville		Goehner	Plymouth	Tekamah	Wooster	So. Charleston	
	Columbia MO	(Clay) MO						(Loam) MO
AG3401		59.3	67.1	58.2	67.5	50.4	80.9	63.4
AG3003		54.4	67.7	50.6	65.5	53.7	83.2	62.3
AG3201		50.3	63.6	56.5	62.4	53.0	82.7	52.7
DKB38-52		62.1	70.5	44.8	65.3	54.0	80.9	63.2
LD01-11410		40.1	57.7	57.3	66.3	51.6	72.3	59.3
K1623RR		55.3	64.0	59.3	63.3	53.9	96.4	60.8
NEX3003JR		59.6	68.9	48.0	56.4	43.3	85.6	72.1
NEX3203HR		56.7	65.3	59.2	66.5	51.7	84.4	60.1
NEX3301H2R		48.9	66.2	65.4	66.8	51.8	80.4	66.4
NEX8903		52.5	64.8	62.1	66.1	58.7	82.0	61.1
C.V. (%)		0.7	7.2	8.8	8.0	9.4	2.9	9.0
L.S.D. (5%)		5.6	6.7	12.5	13	12.3	3.4	10.9
Row Sp. (in.)		30	30	30	30	30	7.5	15
Rows/Plot		4	4	4	4	4	8	6
Reps		3	3	2	2	2	3	3

UNIFORM TEST III Roundup-Ready, 2004

YIELD RANK

Strain	Portageville		Goehner	Plymouth	Tekamah	Wooster	So. Charleston	
	Columbia MO	(Clay) MO						(Loam) MO
AG3401		3	4	5	1	9	7	3
AG3003		6	3	8	6	4	4	5
AG3201		8	9	7	8	5	5	10
DKB38-52		1	1	10	7	2	7	4
LD01-11410		10	10	6	4	8	10	9
K1623RR		5	8	3	7	3	1	7
NEX3003JR		2	2	9	9	10	2	1
NEX3203HR		4	6	4	3	7	3	8
NEX3301H2R		9	5	1	2	6	9	2
NEX8903		7	7	2	5	1	6	6

UNIFORM TEST III Roundup-Ready, 2004

MATURITY (date)

Strain	Mean 12 Tests	Urbana IL	Lafayette IN	Butlerville IN	Wanatah IN	Ashland KS	Manhattan KS	Ottawa KS
AG3401	9/22	9/12	9/24	9/16	10/6	9/26	9/25	
AG3003	-3.8	-6	-4	-4	-5	-5	-5	
AG3201	-5.3	-6	-5	-10	-8	-7	-5	
DKB38-52	0.6	4	2	2	0	-2	0	
LD01-11410	-6.3	-6	-9	-10	-11	-6	-6	
K1623RR	-2.3	-3	-4	-2	-7	-2	-2	
NEX3003JR	-5.3	-6	-6	-6	-6	-5	-6	
NEX3203HR	-3.4	-6	-4	-9	-3	-5	-4	
NEX3301H2R	-4.9	-6	-7	-10	-8	-6	-2	
NEX8903	-3.7	-6	-4	-10	-3	-4	-2	
Date Planted	5/18	4/29	5/18	5/12	5/21	5/25	5/28	6/1
Days to Mature	127	136	129	127	138	124	120	

UNIFORM TEST III Roundup-Ready, 2004

LODGING (score)

Strain	Mean 14 Tests	Urbana IL	Lafayette IN	Butlerville IN	Wanatah IN	Ashland KS	Manhattan KS	Ottawa KS
AG3401	1.7	2.0	1.2	1.0	1.5	3.0	2.0	1.0
AG3003	1.3	1.2	1.0	1.0	1.0	2.7	1.0	1.0
AG3201	1.5	1.2	1.0	1.0	1.0	3.0	1.0	1.0
DKB38-52	1.3	1.3	1.0	1.0	1.0	2.7	1.0	1.0
LD01-11410	1.4	1.3	1.0	1.0	1.0	2.7	1.0	1.0
K1623RR	1.5	1.8	1.0	1.0	1.2	3.3	1.0	1.0
NEX3003JR	1.5	1.5	1.2	1.0	1.5	2.3	1.0	1.0
NEX3203HR	1.2	1.0	1.0	1.0	1.2	2.0	1.0	1.0
NEX3301H2R	1.4	1.0	1.0	1.0	1.3	2.7	1.0	1.0
NEX8903	1.3	1.3	1.0	1.0	1.2	1.7	1.0	1.0

UNIFORM TEST III Roundup-Ready, 2004

MATURITY (date)

Strain	Portageville		Portageville	Goehner NE	Plymouth NE	Tekamah NE	Wooster OH	So. Charleston OH
	Columbia MO	(Clay) MO	(Loam) MO					
AG3401	10/1	9/8	9/11	9/25			9/23	9/27
AG3003	-3	-6	-2	4			-3	-6
AG3201	-3	-9	-4	5			-3	-8
DKB38-52	0	-1	-1	3			3	-2
LD01-11410	-6	-9	-3	4			-6	-8
K1623RR	-1	-1	0	1			0	-6
NEX3003JR	-5	-5	-5	0			-2	-12
NEX3203HR	0	-2	-6	6			-1	-6
NEX3301H2R	-4	0	-8	3			-6	-5
NEX8903	-2	0	-5	-1			-2	-4
Date Planted	6/3	5/7	5/21	5/28	5/22	5/20	4/29	5/11
Days to Mature	120	124	113	120			147	139

UNIFORM TEST III Roundup-Ready, 2004

LODGING (score)

Strain	Portageville		Portageville	Goehner NE	Plymouth NE	Tekamah NE	Wooster OH	So. Charleston OH
	Columbia MO	(Clay) MO	(Loam) MO					
AG3401	2.0	1.0	1.0	2.0		2.5	2.3	1.2
AG3003	1.0	1.0	1.0	2.0		2.0	1.3	1.0
AG3201	1.0	1.0	2.5	2.0		2.0	1.6	1.0
DKB38-52	1.0	1.0	1.0	2.0		2.0	1.9	1.0
LD01-11410	1.0	1.0	1.5	2.0		2.0	1.4	1.0
K1623RR	1.0	1.0	2.0	2.0		2.0	1.9	1.0
NEX3003JR	2.0	1.0	2.0	2.0		2.5	1.6	1.0
NEX3203HR	1.0	1.0	1.0	1.5		2.0	1.5	1.0
NEX3301H2R	1.0	1.0	1.0	2.5		2.5	1.4	1.0
NEX8903	1.0	1.0	1.5	2.0		2.0	1.4	1.0

UNIFORM TEST III Roundup-Ready, 2004

PLANT HEIGHT (inches)

Strain	Mean 13 Tests	Urbana IL	Lafayette IN	Butlerville IN	Wanatah IN	Ashland KS	Manhattan KS	Ottawa KS
AG3401	36	38	37	28	41	45	40	34
AG3003	32	35	32	26	37	38	33	28
AG3201	33	36	34	28	37	43	33	33
DKB38-52	32	35	33	25	38	41	35	30
LD01-11410	31	34	31	25	36	39	34	29
K1623RR	32	36	31	27	35	42	33	27
NEX3003JR	33	37	32	28	36	39	34	33
NEX3203HR	29	33	30	21	33	36	30	25
NEX3301H2R	29	26	31	22	35	37	35	28
NEX8903	32	36	31	22	36	40	34	32

UNIFORM TEST III Roundup-Ready, 2004

SEED SIZE (g/100)

Strain	Mean 12 Tests	Urbana IL	Lafayette IN	Butlerville IN	Wanatah IN	Ashland KS	Manhattan KS	Ottawa KS
AG3401	15.4	13.3	16.1	13.2	18.4	16.3	15.7	16.6
AG3003	14.3	11.7	14.8	11.7	17.2	14.7	15.1	15.9
AG3201	14.9	13.3	15.3	11.7	17.4	15.1	15.2	16.5
DKB38-52	15.0	14.3	16.2	13.9	17.6	16.1	15.1	16.4
LD01-11410	14.1	12.4	13.3	10.7	16.4	15.7	13.7	16.4
K1623RR	16.3	14.0	16.7	13.7	18.7	19.2	16.2	17.0
NEX3003JR	16.4	15.0	16.9	12.4	20.1	16.5	16.6	18.4
NEX3203HR	15.3	13.5	16.0	11.7	17.6	16.0	16.6	16.7
NEX3301H2R	17.4	14.9	17.1	13.2	19.6	17.8	18.3	18.7
NEX8903	15.2	13.1	16.3	11.7	18.1	15.4	15.5	16.4

UNIFORM TEST III Roundup-Ready, 2004

PLANT HEIGHT (inches)

Strain	Portageville		Portageville	Goehner NE	Plymouth NE	Tekamah NE	Wooster OH	So. Charleston OH
	Columbia MO	(Clay) MO	(Loam) MO					
AG3401	37	25	36	36			34	31
AG3003	33	22	35	35			30	29
AG3201	31	23	37	38			33	29
DKB38-52	33	21	38	38			30	25
LD01-11410	28	18	38	36			29	26
K1623RR	30	20	38	37			30	28
NEX3003JR	31	23	39	35			32	31
NEX3203HR	29	18	30	38			29	25
NEX3301H2R	27	14	28	42			29	25
NEX8903	33	22	35	37			32	28

UNIFORM TEST III Roundup-Ready, 2004

SEED SIZE (g/100)

Strain	Portageville		Portageville	Goehner NE	Plymouth NE	Tekamah NE	Wooster OH	So. Charleston OH
	Columbia MO	(Clay) MO	(Loam) MO					
AG3401		14.1	13.8		16.2	14.1	16.7	15.1
AG3003		14.4	12.8		16.3	11.6	15.4	14.4
AG3201		15.0	13.8		17.6	13.3	15.8	14.4
DKB38-52		13.3	12.7		15.0	12.8	16.2	15.7
LD01-11410		13.8	13.2		16.2	12.9	14.3	14.0
K1623RR		15.4	14.4		18.1	13.7	17.9	16.6
NEX3003JR		15.0	14.0		18.5	14.6	18.4	16.9
NEX3203HR		15.4	13.2		16.4	14.1	16.1	15.8
NEX3301H2R		19.4	15.6		19.1	16.1	17.6	18.6
NEX8903		15.5	13.1		16.9	14.6	16.0	15.2

UNIFORM TEST III Roundup-Ready, 2004

SEED QUALITY (score)

Strain	Mean 12 Tests	Urbana IL	Lafayette IN	Butlerville IN	Wanatah IN	Ashland KS	Manhattan KS	Ottawa KS
AG3401	3.0	2.0	1.0	1.5	1.5	2.0	2.0	2.0
AG3003	3.0	1.0	1.5	1.5	1.5	3.0	3.0	2.0
AG3201	3.0	1.0	1.0	1.0	1.5	2.0	3.0	2.0
DKB38-52	2.7	1.0	1.5	1.5	1.5	2.0	2.0	2.0
LD01-11410	2.8	1.0	1.0	1.0	1.5	2.0	2.0	2.0
K1623RR	2.9	1.0	1.0	1.0	1.0	2.0	2.0	1.0
NEX3003JR	2.9	1.0	1.0	1.0	1.5	2.0	2.0	2.0
NEX3203HR	2.9	1.0	1.0	1.5	1.5	2.0	2.0	2.0
NEX3301H2R	3.3	1.0	1.5	1.5	1.5	3.0	2.0	2.0
NEX8903	2.9	1.0	1.0	1.5	1.0	2.0	2.0	2.0

UNIFORM TEST III Roundup-Ready, 2004

SEED QUALITY (score)

Strain	Portageville		Goehner NE	Plymouth NE	Tekamah NE	Wooster OH	So. Charleston OH
	Columbia MO	(Clay) MO					
AG3401		2.0		16.2		2.2	1.5
AG3003		2.0		16.3		1.9	1.2
AG3201		2.0		17.6		1.7	1.3
DKB38-52		1.5		15.0		1.9	1.0
LD01-11410		2.5		16.2		1.3	1.3
K1623RR		3.0	2.0	18.1		2.0	1.2
NEX3003JR		1.5	2.0	18.5		1.4	1.3
NEX3203HR		3.0	1.5	16.4		1.8	1.0
NEX3301H2R		3.5	2.0	19.1		1.4	1.3
NEX8903		3.0	1.5	16.9		1.7	1.3

UNIFORM TEST III Roundup-Ready, 2004**PROTEIN (%)**

Strain	Mean 5 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Wooster OH
AG3401	40.7	38.7	40.2	42.5	41.1	41.1
AG3003	40.6	38.9	41.0	42.2	41.8	39.3
AG3201	40.2	38.9	40.3	42.3	40.5	39.3
DKB38-52	40.1	39.1	39.9	41.9	39.6	39.9
LD01-11410	38.6	38.0	37.1	41.0	38.2	38.7
K1623RR	40.3	38.7	39.4	41.6	41.6	40.0
NEX3003JR	40.8	40.7	37.3	42.4	42.5	41.1
NEX3203HR	39.6	38.2	38.9	40.8	40.4	39.6
NEX3301H2R	39.7	39.1	38.1	41.7	40.8	38.9
NEX8903	40.0	38.9	39.8	42.1	40.3	38.7

UNIFORM TEST III Roundup-Ready, 2004**OIL (%)**

Strain	Mean 5 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Wooster OH
AG3401	18.9	20.0	18.9	17.8	19.6	18.0
AG3003	18.8	20.1	19.0	17.6	18.4	19.2
AG3201	18.6	19.1	19.1	18.1	18.2	18.5
DKB38-52	18.9	19.9	18.4	18.5	19.3	18.6
LD01-11410	19.4	20.3	20.3	17.4	19.7	19.2
K1623RR	19.6	20.9	19.9	18.4	19.4	19.6
NEX3003JR	19.2	19.9	20.5	18.7	18.6	18.4
NEX3203HR	19.0	20.4	19.8	18.0	18.0	18.7
NEX3301H2R	19.0	19.4	20.3	18.0	18.0	19.2
NEX8903	18.6	19.5	18.7	18.2	17.8	18.8

Uniform Test IV Roundup-Ready, 2004

Ent.	Strain	Parentage	Previous Testing	Generation Compositd	Unique Traits
1.	AG4201		1		RR, SCN
2.	DKB38-52		1		RR, SCN
3.	MPV 457RR		1		RR
4.	AG4403		1		RR, SCN
5.	K1594RR	K1235//K1235 x (Resnik2 x 40-3-2)	PTIV-RR	F5	RR
6.	K1624RR	U94-2306 x K97-132	new	F5	RR
7.	K1625RR	U94-2306 x K97-132	new	F5	RR
8.	K1626RR	Pioneer 9352 x K97-132	new	F5	RR
9.	K1627RR	U94-2306 x K97-132	new	F5	RR
10.	K1628RR	Pioneer 9352 x K97-132	new	F5	RR
11.	K1629RR	IA3010 x K97-136	new	F5	RR
12.	K1630RR	Pioneer 9352 x K97-132	new	F5	RR
13.	K1631RR	Pioneer 9352 x K97-132	new	F5	RR
14.	Md 01-014 RR	Corsica (3) x Monsanto RR	new	F5	RR
15.	Md 01-017 RR	Corsica (3) x Monsanto RR	new	F5	RR
16.	Md 01-063 RR	Md 95-5358 x Stressland (2) x (Md 92-5850 x RR)	new	F5	RR, SCN resistant
17.	Md 01-329 RR	Corsica x Stressland (2) x (Md 92-5850 x RR)	new	F5	RR
18.	S02-670CR	S86-4499RR x Unknown	PTIV-RR	F5	RR

UNIFORM TEST IV Roundup-Ready, 2004

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Green Stem</u>	<u>Shattering</u>	<u>PR</u>		<u>SDS</u>		<u>PS</u>	<u>FE</u>
		Score Lafayette IN	Score Manhattan KS	Lafayette Race 4	Lafayette Race 7	Valmeyer IL DX	Carmi IL DX	Lafayette a %	Lafayette n
AG4201	WTTIYBII	3.0	1.0	S	R	19	11	1	
DKB38-52	WGTSYLbII	3.0	1.0	S	R	16	14	4	S
MPV 457RR	WTBSYBII	1.0	1.0	R	R	26	6	3	S
AG4403	PTTSYBII	2.0	1.0	S	S	10	2	1	S
K1594RR	PTTDYBrI	1.0	1.0	S	R	26	7	0	
K1624RR	WTSDYBII	1.0	1.0	H	R	24	0	0	S
K1625RR	WTBDYBII	1.0	1.0	H	S	19	3	0	S
K1626RR	P+WTBDYBrI	1.0	1.0	H	R	24	6	2	S
K1627RR	WTBDYBII	1.0	1.0	S	R	20	7	0	
K1628RR	WTTDYBrI	1.0	1.0	S	S	28	16	1	
K1629RR	PTBDYBII	1.0	1.0	S	R	26	1	1	S
K1630RR	P+WTBDYBrI	2.0	1.0	H	H	46	13	0	S
K1631RR	WTBDYBrI	2.0	1.0	R	R	20	4	0	S
Md 01-014 RR	PTTDYLbII	1.0	1.0	S	S	14	12	1	S
Md 01-017 RR	PTTDYLbII	1.0	1.0	R	R	24	19	0	S
Md 01-063 RR	PTTDYBII	3.0	2.0	S	S	30	8	0	
Md 01-329 RR	PTTDYBII	3.0	1.0	S	R	16	6	1	S
S02-670CR	WTTDYLbII	1.0	1.0	H	S	10	2	1	S

Frogeye Leaf Spot S = susceptible, blank = lesions not detected

UNIFORM TEST IV Roundup-Ready, 2004

REGIONAL SUMMARY

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	Composition	
	15 bu/a	15 No.	15 Date	16 Score	16 In.	14 g/100	14 Score	5 Protein %	5 Oil %
AG4201	63.6	2	9/25	1.8	36	16.6	1.7	41.1	18.8
DKB38-52	58.7	9	-6.0	1.3	33	14.5	1.7	39.5	19.6
MPV 457RR	60.8	4	3.0	2.0	39	16.1	1.7	41.3	18.4
AG4403	64.6	1	0.5	1.6	38	14.6	1.5	40.1	20.1
K1594RR	57.6	12	1.2	2.0	35	15.6	1.7	41.9	19.1
K1624RR	57.7	11	2.9	2.4	36	13.5	1.8	41.5	19.2
K1625RR	57.4	13	-0.2	2.3	40	14.7	1.6	41.0	19.6
K1626RR	59.1	7	-2.5	1.5	33	15.9	1.8	40.1	20.6
K1627RR	56.8	14	-0.7	2.3	38	13.7	1.7	39.8	20.5
K1628RR	58.9	8	0.8	1.7	37	15.1	1.6	39.9	20.1
K1629RR	58.1	10	-1.2	2.0	36	13.3	1.6	41.2	19.2
K1630RR	61.6	3	-1.3	1.3	33	17.3	1.8	40.1	19.9
K1631RR	60.1	5	0.6	1.9	38	15.2	1.7	38.7	19.6
Md 01-014 RR	53.0	18	-7.1	2.2	36	16.4	1.7	41.9	18.9
Md 01-017 RR	53.9	17	-7.4	2.2	34	16.7	1.7	42.0	19.2
Md 01-063 RR	55.9	15	-1.4	1.5	37	16.4	1.5	42.8	18.4
Md 01-329 RR	59.4	6	-3.4	1.3	36	15.0	1.6	41.8	18.9
S02-670CR	55.5	16	4.7	2.3	42	16.6	1.7	40.9	19.3

131.1 Days After Planting

UNIFORM TEST IV Roundup-Ready, 2004

YIELD (bu/a)

Strain	Mean	Middletown	Belleville	Harrisburg	Urbana	Lafayette	Butlerville	Ashland	Manhattan
	15 Tests	DE	IL	IL	IL	IN	IN	KS	KS
AG4201	63.6	62.4	65.8	70.9	73.2	63.6	51.7	60.5	68.2
DKB38-52	58.7	62.7	58.3	59.5	68.3	61.2	43.8	53.3	60.0
MPV 457RR	60.8	63.7	67.3	61.2	59.6	58.4	46.7	66.1	53.5
AG4403	64.6	64.8	67.8	73.1	71.8	62.1	45.1	69.1	62.9
K1594RR	57.6	58.5	70.9	63.7	64.7	53.7	44.2	55.8	55.7
K1624RR	57.7	58.7	55.4	54.9	57.7	55.4	48.9	59.3	58.8
K1625RR	57.4	59.1	52.5	62.0	64.4	59.4	48.5	56.9	49.7
K1626RR	59.1	64.2	68.0	67.3	59.6	58.2	37.7	64.6	56.2
K1627RR	56.8	60.2	58.3	60.0	58.8	58.8	48.8	58.8	57.0
K1628RR	58.9	67.9	65.8	64.4	59.0	58.0	47.1	56.0	60.1
K1629RR	58.1	56.7	66.8	63.9	63.8	53.4	41.5	52.5	53.1
K1630RR	61.6	71.7	67.0	63.6	69.2	59.5	40.3	67.1	64.0
K1631RR	60.1	64.5	66.3	67.5	66.1	54.7	47.5	64.6	55.1
Md 01-014 RR	53.0	53.0	55.7	45.0	55.5	50.6	39.6	54.1	52.1
Md 01-017 RR	53.9	57.6	59.3	39.7	54.9	52.6	40.0	63.6	51.7
Md 01-063 RR	55.9	62.8	61.5	63.2	55.4	55.1	45.3	54.3	55.3
Md 01-329 RR	59.4	71.5	63.9	64.8	60.2	60.4	40.8	68.8	57.3
S02-670CR	55.5	54.6	67.3	67.0	64.3	56.7	38.7	48.1	48.9
C.V. (%)		6.7	5.0	5.9	6.0	6.2	11.8	7.7	6.4
L.S.D. (5%)		5.9	5.3	6.1	6.3	5.9	8.6	7.6	5.9
Row Sp. (In.)		15	30	30	30	24	26	30	30
Rows/Plot		5	4	4	4	4	4	2	2
Reps		4	3	3	3	3	3	3	3

UNIFORM TEST IV Roundup-Ready, 2004

YIELD (bu/a)

Strain	Ottawa KS	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH	Jackson TN
AG4201	56.7	85.1	53.1		60.5	54.7	65.5	62.1
DKB38-52	58.0	74.9	49.3		56.9	55.6	59.6	58.6
MPV 457RR	53.3	82.9	57.9		65.0	55.6	61.8	58.4
AG4403	62.3	80.4	54.1		73.6	63.1	64.3	54.0
K1594RR	54.7	81.6	44.4		70.3	54.3	56.0	35.7
K1624RR	55.4	80.5	52.3		79.2	43.3	68.4	36.5
K1625RR	56.3	83.3	52.7		62.0	50.8	63.0	40.8
K1626RR	59.5	82.4	60.0		57.1	48.7	58.2	44.1
K1627RR	56.5	77.4	51.1		63.7	51.0	58.3	32.9
K1628RR	55.4	83.5	54.4		68.6	51.7	58.4	32.8
K1629RR	60.1	73.9	50.7		80.0	55.8	58.1	41.4
K1630RR	56.6	79.6	56.7		64.2	53.9	65.3	45.8
K1631RR	56.4	81.3	58.4		71.6	46.9	62.4	37.7
Md 01-014 RR	49.9	73.1	57.5		57.8	47.8	56.6	47.1
Md 01-017 RR	54.5	71.5	59.6		51.6	47.6	62.6	42.3
Md 01-063 RR	51.7	74.7	53.4		61.3	48.4	57.0	39.7
Md 01-329 RR	54.0	82.5	55.0		51.5	59.3	61.7	39.9
S02-670CR	50.1	80.1	51.5		70.9	53.4	49.6	31.4
C.V. (%)	4.0	5.8	8.4		9.0	7.0	7.8	11.4
L.S.D. (5%)	3.7	6.3	7.5		8.0	5.1	8.7	10.8
Row Sp. (In.)	30	16	24	30	30	30	15	30
Rows/Plot	2	6	4	4	4	4	6	4
Reps	3	3	3	3	3	3	3	2

UNIFORM TEST IV Roundup-Ready, 2004

YIELD RANK

Strain	Yield Rank	Middletown DE	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Butlerville IN	Ashland KS	Manhattan KS
AG4201	2	10	9	2	1	1	1	8	1
DKB38-52	9	9	14	15	4	3	11	16	5
MPV 457RR	4	7	5	13	11	8	7	4	13
AG4403	1	4	3	1	2	2	9	1	3
K1594RR	12	14	1	9	6	15	10	13	10
K1624RR	11	13	17	16	15	12	2	9	6
K1625RR	13	12	18	12	7	6	4	11	17
K1626RR	7	6	2	4	11	9	18	5	9
K1627RR	14	11	14	14	14	7	3	10	8
K1628RR	8	3	10	7	13	10	6	12	4
K1629RR	10	16	7	8	9	16	12	17	14
K1630RR	3	1	6	10	3	5	14	3	2
K1631RR	5	5	8	3	5	14	5	5	12
Md 01-014 RR	18	18	16	17	16	18	16	15	15
Md 01-017 RR	17	15	13	18	18	17	15	7	16
Md 01-063 RR	15	8	12	11	17	13	8	14	11
Md 01-329 RR	6	2	11	6	10	4	13	2	7
S02-670CR	16	17	4	5	8	11	17	18	18

UNIFORM TEST IV Roundup-Ready, 2004

YIELD RANK

Strain	Ottawa KS	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH	Jackson TN
AG4201	5	1	11		13	6	2	1
DKB38-52	4	14	17		16	4	10	2
MPV 457RR	15	4	4		8	4	8	3
AG4403	1	10	9		3	1	4	4
K1594RR	12	7	18		6	7	17	15
K1624RR	10	9	13		2	18	1	14
K1625RR	9	3	12		11	12	5	10
K1626RR	3	6	1		15	16	13	7
K1627RR	7	13	15		10	11	12	16
K1628RR	10	2	8		7	10	11	17
K1629RR	2	16	16		1	3	14	9
K1630RR	6	12	6		9	8	3	6
K1631RR	8	8	3		4	19	7	13
Md 01-014 RR	18	17	5		14	15	16	5
Md 01-017 RR	13	18	2		17	16	6	8
Md 01-063 RR	16	15	10		12	14	15	12
Md 01-329 RR	14	5	7		18	2	9	11
S02-670CR	17	11	14		5	9	18	18

UNIFORM TEST IV Roundup-Ready, 2004

MATURITY (date)

Strain	Mean	Middletown	Belleville	Harrisburg	Urbana	Lafayette	Butlerville	Ashland	Manhattan
	15 Tests	DE	IL	IL	IL	IN	IN	KS	KS
AG4201	9/25	9/30	9/20	9/25	9/19	10/2	9/20	10/2	10/7
DKB38-52	-6.0	-8	-4	-9	-4	-6	-3	-7	-5
MPV 457RR	3.0	4	3	2	4	4	5	3	4
AG4403	0.5	-1	2	-1	3	1	2	1	1
K1594RR	1.2	3	2	0	3	0	0	1	1
K1624RR	2.9	6	3	3	5	0	2	3	1
K1625RR	-0.2	1	1	-0	2	0	-2	0	-0
K1626RR	-2.5	-3	-2	-3	-2	-5	-4	-3	-4
K1627RR	-0.7	0	1	0	2	-3	1	-4	-4
K1628RR	0.8	1	0	-1	1	2	1	-1	-0
K1629RR	-1.2	2	2	-2	-1	-8	-1	-4	-6
K1630RR	-1.3	-1	-1	-3	1	-2	-3	-2	-2
K1631RR	0.6	2	1	-0	2	0	0	-1	0
Md 01-014 RR	-7.1	-5	-5	-11	-9	-8	-6	-4	-6
Md 01-017 RR	-7.4	-7	-5	-13	-10	-9	-6	-4	-7
Md 01-063 RR	-1.4	1	2	-3	2	-3	-3	-1	-4
Md 01-329 RR	-3.4	-3	-4	-4	-4	-1	-4	-2	-3
S02-670CR	4.7	6	4	6	11	5	3	2	3
Date Planted	5/17	5/21	5/7	5/20	4/29	5/18	5/12	5/25	5/28
Days to Mature	131	132	136	128	143	137	131	130	132

UNIFORM TEST IV Roundup-Ready, 2004

MATURITY (date)

Strain	Ottawa KS	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH	Jackson TN
AG4201		9/26	10/2	10/5	9/14	9/18	10/1	9/15
DKB38-52		-6	-8	-5	-7	-8	-6	-5
MPV 457RR		1	4	3	4	3	1	0
AG4403		-5	-2	3	4	5	0	-5
K1594RR		-3	3	0	4	6	-2	0
K1624RR		0	5	0	9	8	-2	0
K1625RR		-4	3	1	0	1	-1	-5
K1626RR		-5	2	-1	1	1	-4	-5
K1627RR		-3	2	-1	0	5	-2	-5
K1628RR		-2	4	3	5	4	0	-5
K1629RR		-5	3	-4	8	7	-9	0
K1630RR		-3	2	1	4	-2	-3	-5
K1631RR		-2	3	1	5	3	0	-5
Md 01-014 RR		-10	-6	-6	-10	-6	-10	-5
Md 01-017 RR		-10	-6	-8	-8	-7	-7	-5
Md 01-063 RR		-4	0	-1	-1	-2	1	-5
Md 01-329 RR		-5	-2	0	-5	-5	-3	-5
S02-670CR		1	8	3	9	6	4	0
Date Planted	6/1	5/11	5/25	6/3	5/7	5/21	5/11	5/11
Days to Mature		138	130	124	130	120	143	127

UNIFORM TEST IV Roundup-Ready, 2004

LODGING (score)

Strain	Mean	Middletown DE	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Butlerville IN	Ashland KS	Manhattan KS
	16 Tests								
AG4201	1.8	2.0	2.2	2.2	1.7	1.0	1.2	3.3	2.0
DKB38-52	1.3	2.0	1.0	1.2	1.3	1.0	1.0	3.3	1.0
MPV 457RR	2.0	3.0	2.7	2.5	2.0	1.3	1.0	3.0	2.0
AG4403	1.6	2.0	2.3	1.5	2.0	1.0	1.0	3.0	1.3
K1594RR	2.0	3.0	3.7	3.3	2.0	1.2	1.0	4.0	2.0
K1624RR	2.4	4.0	2.8	4.8	2.3	1.2	1.0	4.3	2.0
K1625RR	2.3	4.0	2.7	4.0	1.8	1.2	1.2	4.0	2.0
K1626RR	1.5	3.0	1.7	1.5	1.5	1.0	1.0	3.7	1.3
K1627RR	2.3	4.0	3.0	4.2	2.2	1.2	1.0	4.0	2.3
K1628RR	1.7	3.0	1.8	2.2	1.8	1.0	1.0	4.0	2.0
K1629RR	2.0	4.0	2.0	2.7	2.0	1.2	1.0	3.3	1.7
K1630RR	1.3	2.0	1.5	1.3	1.7	1.0	1.0	2.3	1.0
K1631RR	1.9	4.0	2.0	3.3	2.0	1.0	1.0	3.7	2.3
Md 01-014 RR	2.2	4.0	1.5	2.2	3.0	1.7	1.0	4.0	2.0
Md 01-017 RR	2.2	4.0	1.7	2.3	2.3	1.7	1.0	4.0	2.3
Md 01-063 RR	1.5	2.0	1.7	1.3	1.7	1.0	1.0	3.0	1.3
Md 01-329 RR	1.3	2.0	1.2	1.5	1.7	1.2	1.0	1.7	1.3
S02-670CR	2.3	3.0	3.7	3.3	2.5	1.7	1.0	3.7	2.3

UNIFORM TEST IV Roundup-Ready, 2004

LODGING (score)

Strain	Ottawa KS	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH	Jackson TN
AG4201	1.0	2.0	3.3	2.0	1.0	1.0	1.3	1.3
DKB38-52	1.0	1.3	1.7	1.0	1.0	1.0	1.0	1.3
MPV 457RR	1.0	2.2	3.3	2.0	1.0	1.5	1.5	1.8
AG4403	1.3	1.5	2.7	1.0	1.0	1.5	1.1	1.3
K1594RR	1.0	2.2	2.5	1.0	1.0	1.0	1.1	1.8
K1624RR	1.3	2.5	3.5	2.0	1.0	2.0	1.6	2.8
K1625RR	1.0	2.5	3.5	2.0	1.0	3.0	1.5	2.0
K1626RR	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.3
K1627RR	1.0	2.5	3.5	2.0	1.0	2.0	1.3	2.0
K1628RR	1.0	1.8	2.5	1.0	1.0	1.0	1.0	1.3
K1629RR	1.0	2.0	3.3	2.0	1.0	2.0	1.1	1.5
K1630RR	1.0	1.0	2.2	1.0	1.0	1.0	1.0	1.0
K1631RR	1.0	1.8	2.7	1.0	1.0	1.5	1.2	1.5
Md 01-014 RR	2.0	3.5	3.2	2.0	1.0	2.0	1.1	1.8
Md 01-017 RR	2.0	3.2	2.7	2.0	1.0	2.0	1.2	2.3
Md 01-063 RR	1.0	1.8	2.2	1.0	1.0	1.0	1.0	1.3
Md 01-329 RR	1.0	1.5	2.2	1.0	1.0	1.0	1.0	1.0
S02-670CR	1.7	2.0	3.3	2.0	1.0	2.5	1.1	1.8

UNIFORM TEST IV Roundup-Ready, 2004

PLANT HEIGHT (inches)

Strain	Mean	Middletown	Belleville	Harrisburg	Urbana	Lafayette	Butlerville	Ashland	Manhattan
	16 Tests	DE	IL	IL	IL	IN	IN	KS	KS
AG4201	36	42	32	42	40	37	31	45	36
DKB38-52	33	38	31	41	38	35	24	45	37
MPV 457RR	39	45	37	44	39	43	32	48	41
AG4403	38	40	37	43	41	40	29	47	36
K1594RR	35	42	36	39	38	35	28	44	36
K1624RR	36	41	34	37	39	38	30	43	34
K1625RR	40	45	38	46	42	41	34	47	41
K1626RR	33	38	32	38	35	34	26	44	34
K1627RR	38	42	35	43	41	39	30	46	38
K1628RR	37	41	35	42	40	39	31	45	38
K1629RR	36	40	35	41	38	34	29	41	37
K1630RR	33	39	32	37	36	34	24	42	32
K1631RR	38	41	35	43	41	40	30	46	37
Md 01-014 RR	36	39	35	43	37	38	28	44	41
Md 01-017 RR	34	38	34	42	37	36	27	41	38
Md 01-063 RR	37	44	32	46	39	40	31	46	40
Md 01-329 RR	36	43	36	46	40	38	29	48	35
S02-670CR	42	47	43	45	45	45	32	50	45

UNIFORM TEST IV Roundup-Ready, 2004

PLANT HEIGHT (inches)

Strain	Ottawa KS	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH	Jackson TN
AG4201	32	38	39	34	23	36	33	34
DKB38-52	32	32	32	32	20	34	29	36
MPV 457RR	37	42	40	38	28	38	36	43
AG4403	35	39	40	35	30	40	33	42
K1594RR	31	40	35	32	22	37	29	38
K1624RR	35	38	39	33	29	38	33	38
K1625RR	36	41	44	32	30	42	34	41
K1626RR	32	34	37	30	19	35	27	35
K1627RR	36	40	39	36	24	43	32	41
K1628RR	35	40	40	35	27	38	32	40
K1629RR	31	36	42	30	30	39	28	38
K1630RR	31	34	36	32	28	26	28	36
K1631RR	35	38	40	35	31	39	35	39
Md 01-014 RR	36	36	37	33	20	35	32	37
Md 01-017 RR	34	36	34	31	20	34	31	34
Md 01-063 RR	36	40	38	34	24	37	34	38
Md 01-329 RR	32	38	37	34	19	36	30	36
S02-670CR	42	44	44	38	34	43	35	43

UNIFORM TEST IV Roundup-Ready, 2004

SEED SIZE (g/100)

Strain	Mean	Middletown DE	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Butlerville IN	Ashland KS	Manhattan KS
	14 Tests								
AG4201	16.6		14.0	17.6	15.4	17.9	15.5	17.5	19.4
DKB38-52	14.5		11.3	14.8	13.4	15.9	13.4	16.1	17.9
MPV 457RR	16.1		14.2	16.7	14.6	17.4	15.8	18.4	19.1
AG4403	14.6		12.8	15.0	13.5	16.3	12.4	17.5	16.9
K1594RR	15.6		14.3	16.8	14.0	17.1	13.8	19.0	16.9
K1624RR	13.5		12.4	13.5	12.1	13.5	12.1	16.0	15.1
K1625RR	14.7		12.8	15.2	13.1	16.4	13.6	16.0	16.9
K1626RR	15.9		13.8	16.7	13.5	17.2	13.7	19.2	17.5
K1627RR	13.7		12.6	14.6	11.5	14.4	14.4	16.5	14.7
K1628RR	15.1		13.3	15.4	12.9	16.8	14.4	17.5	17.9
K1629RR	13.3		11.6	13.8	11.0	14.1	12.7	15.1	15.5
K1630RR	17.3		14.3	17.4	15.0	18.3	14.7	21.9	19.6
K1631RR	15.2		13.6	16.3	13.1	16.0	14.0	17.8	16.9
Md 01-014 RR	16.4		13.4	15.7	13.3	17.4	14.1	18.1	19.2
Md 01-017 RR	16.7		13.5	15.7	13.4	17.8	14.5	20.4	19.0
Md 01-063 RR	16.4		14.6	17.8	14.2	18.8	15.4	17.7	16.6
Md 01-329 RR	15.0		12.3	16.0	12.8	16.4	13.9	16.8	17.5
S02-670CR	16.6		14.6	17.4	16.8	19.1	14.2	16.5	20.3

UNIFORM TEST IV Roundup-Ready, 2004

SEED SIZE (g/100)

Strain	Ottawa KS	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH	Jackson TN
AG4201	18.6	19.3	15.0		15.3	15.5	17.9	13.7
DKB38-52	17.1	16.1	13.3		12.7	13.1	14.6	13.3
MPV 457RR	17.3	17.6	15.5		14.7	14.7	16.8	13.2
AG4403	15.1	15.3	13.6		14.7	13.5	14.0	13.3
K1594RR	16.9	16.3	14.4		13.9	14.6	15.2	14.8
K1624RR	14.3	15.0	13.0		13.6	13.1	13.4	12.2
K1625RR	15.6	18.1	13.4		13.9	13.3	15.1	12.8
K1626RR	17.9	18.4	14.4		14.9	14.6	15.8	14.9
K1627RR	14.5	14.7	13.0		13.3	12.1	13.4	11.8
K1628RR	16.6	16.9	15.4		12.8	13.7	15.3	12.2
K1629RR	14.8	15.2	12.6		12.1	12.4	13.7	11.2
K1630RR	19.9	19.2	16.9		16.5	14.7	17.0	16.3
K1631RR	16.6	17.4	15.2		14.5	13.7	15.4	12.7
Md 01-014 RR	18.1	18.5	17.3		15.5	15.3	17.3	15.9
Md 01-017 RR	17.2	18.6	17.6		17.5	15.2	17.1	16.0
Md 01-063 RR	17.7	17.4	17.7		14.8	14.8	16.3	15.5
Md 01-329 RR	16.3	16.9	15.8		14.4	13.5	15.1	12.3
S02-670CR	16.6	17.5	16.7		15.2	15.9	16.9	15.1

UNIFORM TEST IV Roundup-Ready, 2004

SEED QUALITY (score)

Strain	Mean	Middletown DE	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Butlerville IN	Ashland KS	Manhattan KS
	14 Tests								
AG4201	1.7		1.0	1.0	1.0	1.0	1.0	2.0	3.0
DKB38-52	1.7		1.0	2.0	1.0	1.0	1.0	2.0	3.0
MPV 457RR	1.7		1.0	2.0	1.0	1.0	1.0	2.0	2.0
AG4403	1.5		1.0	1.0	1.0	1.5	1.0	2.0	2.0
K1594RR	1.7		1.0	2.0	1.0	1.0	1.0	2.0	2.0
K1624RR	1.8		1.0	2.0	2.0	1.0	1.0	2.0	2.0
K1625RR	1.6		1.0	2.0	1.0	1.0	1.0	1.0	2.0
K1626RR	1.8		1.0	2.0	1.0	1.0	1.0	2.0	3.0
K1627RR	1.7		1.0	2.0	2.0	1.0	1.0	2.0	2.0
K1628RR	1.6		1.0	2.0	1.0	1.0	1.0	2.0	2.0
K1629RR	1.6		1.0	2.0	1.0	1.0	1.0	2.0	2.0
K1630RR	1.8		1.0	2.0	1.0	1.0	1.0	2.0	3.0
K1631RR	1.7		1.0	2.0	1.0	1.5	1.0	2.0	2.0
Md 01-014 RR	1.7		1.0	2.0	1.0	1.0	1.0	2.0	3.0
Md 01-017 RR	1.7		1.0	2.0	1.0	1.0	1.0	2.0	3.0
Md 01-063 RR	1.5		1.0	1.0	1.0	1.0	1.0	2.0	2.0
Md 01-329 RR	1.6		1.0	1.0	1.0	1.0	1.0	2.0	2.0
S02-670CR	1.7		1.0	2.0	1.0	1.0	1.0	2.0	2.0

UNIFORM TEST IV Roundup-Ready, 2004

SEED QUALITY (score)

Strain	Ottawa KS	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH	Jackson TN
AG4201	2.0	2.0	1.0		3.0	2.0	1.5	2.8
DKB38-52	2.0	2.0	1.3		2.5	1.5	1.3	2.0
MPV 457RR	2.0	2.0	1.2		2.5	2.0	1.3	2.8
AG4403	2.0	1.0	1.0		2.5	1.5	1.3	2.3
K1594RR	2.0	1.0	1.2		3.0	2.0	1.6	3.3
K1624RR	2.0	1.0	1.0		2.5	2.0	2.0	3.3
K1625RR	2.0	1.0	1.2		2.5	2.5	1.9	2.8
K1626RR	2.0	2.0	1.0		3.0	2.0	1.3	2.8
K1627RR	2.0	1.0	1.2		2.5	2.0	2.0	2.8
K1628RR	2.0	1.0	1.0		2.5	2.0	1.5	2.3
K1629RR	2.0	1.0	1.0		2.5	1.5	1.5	2.8
K1630RR	2.0	3.0	1.2		2.5	2.0	1.1	2.5
K1631RR	2.0	2.0	1.0		2.5	1.5	1.6	2.5
Md 01-014 RR	2.0	1.0	1.2		2.5	2.0	1.5	2.8
Md 01-017 RR	2.0	2.0	1.2		2.5	2.0	1.5	2.3
Md 01-063 RR	2.0	1.0	1.0		2.0	1.5	1.8	2.3
Md 01-329 RR	2.0	2.0	1.2		2.5	2.0	1.4	2.8
S02-670CR	2.0	1.0	1.0		2.0	2.5	1.7	3.8

UNIFORM TEST IV Roundup-Ready, 2004

PROTEIN (%)

Strain	Mean 5 Tests	Ashland KS	Lexington KY	Queenstown MD	Portageville (Loam) MO	South Charleston OH
AG4201	41.1	41.1	40.4	40.1	40.2	43.8
DKB38-52	39.5	40.3	39.1	38.6	39.6	40.0
MPV 457RR	41.3	41.2	40.6	41.1	41.0	42.7
AG4403	40.1	40.9	39.7	40.2	38.6	41.0
K1594RR	41.9	42.6	39.6	41.5	42.2	43.7
K1624RR	41.5	42.3	41.3	40.9	41.1	41.8
K1625RR	41.0	42.7	40.4	39.9	40.6	41.5
K1626RR	40.1	40.7	38.6	39.0	40.2	41.9
K1627RR	39.8	40.3	37.3	38.9	40.3	42.4
K1628RR	39.9	41.3	37.7	39.5	40.0	40.7
K1629RR	41.2	41.2	38.5	42.5	42.3	41.3
K1630RR	40.1	40.9	38.3	39.7	40.2	41.5
K1631RR	38.7	39.7	37.4	35.4	38.7	42.1
Md 01-014 RR	41.9	41.1	41.5	42.1	42.2	42.5
Md 01-017 RR	42.0	42.8	40.2	41.4	42.1	43.5
Md 01-063 RR	42.8	43.8	41.2	42.9	42.1	43.9
Md 01-329 RR	41.8	41.9	40.5	41.9	41.3	43.5
S02-670CR	40.9	41.2	39.2	40.8	40.8	42.5

UNIFORM TEST IV Roundup-Ready, 2004

OIL (%)

Strain	Mean 5 Tests	Ashland KS	Lexington KY	Queenstown MD	Portageville (Loam) MO	South Charleston OH
AG4201	18.8	19.7	17.1	19.0	19.9	18.2
DKB38-52	19.6	19.2	19.0	20.1	19.8	19.9
MPV 457RR	18.4	18.3	18.1	18.6	18.6	18.6
AG4403	20.1	20.2	19.5	19.6	21.9	19.5
K1594RR	19.1	19.7	18.7	18.0	20.1	19.1
K1624RR	19.2	19.8	18.6	19.1	19.4	19.0
K1625RR	19.6	17.6	19.2	19.7	21.7	20.0
K1626RR	20.6	21.0	20.5	20.2	21.3	20.2
K1627RR	20.5	20.7	20.0	19.8	22.4	19.5
K1628RR	20.1	20.2	19.7	19.6	21.1	19.7
K1629RR	19.2	20.3	19.1	17.8	19.8	18.8
K1630RR	19.9	19.5	20.1	19.6	21.3	18.9
K1631RR	19.6	20.0	19.6	17.3	21.7	19.2
Md 01-014 RR	18.9	18.7	17.8	19.1	20.2	18.8
Md 01-017 RR	19.2	18.8	18.7	19.4	19.8	19.1
Md 01-063 RR	18.4	17.9	18.5	18.2	19.6	17.7
Md 01-329 RR	18.9	18.5	18.5	19.4	19.0	18.8
S02-670CR	19.3	19.6	18.5	18.7	21.0	18.6