THE UNIFORM SOYBEAN TESTS

NORTHERN REGION

2011

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

COOPERATING WITH
STATE AGRICULTURAL EXPERIMENT STATIONS
NORTHERN STATES

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UNIFORM SOYBEAN TESTS

NORTHERN STATES

2011

USDA-ARS
Crop Production and Pest Control Research Unit
Department of Botany and Plant Pathology
Purdue University
915 West State St.
West Lafayette, IN 47907

COORDINATED BY:
Wad D. Crochet
Dr. Teresa Hughes

2011 UNIFORM SOYBEAN TESTS NORTHERN STATES

Data Compiled by:

Wad D. Crochet
USDA-ARS Crop Production and Pest Control Research Unit
Purdue University, W. Lafayette, IN 47907-1150
Office phone 765-583-2952
FAX 765-496-3452
Email: wcrochet@purdue.edu
http://www.ag.purdue.edu/btny/Extension/Pages/extpubs.aspx

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Walt R. Fehr, ISU, Ames, IA
Keven Scholbrock, ISU, Ames, IA
Silvia Cianzio, ISU, Ames, IA
Greg Gebhart, ISU, Ames, IA
Peter Lundeen, ISU, Ames, IA

Stella Kantartzi, SIU, Carbondale, IL
Jim Klein, SIU, Carbondale, IL
Cathy Schmidt, SIU, Carbondale, IL
Brian Diers, UIL, Urbana, IL
Troy Cary, UIL, Urbana, IL
Randy L. Nelson, USDA-ARS, Urbana, Il
Edward Johson, USDA-ARS, Urbana, Il

Teresa Hughes, USDA-ARS, West Lafayette, IN
Tomara Fleury, USDA-ARS, West Lafayette, IN
Brian Fulk, PU, West Lafayette, IN

William T. Schapaugh, Jr., KSU, Manhattan, KS

Claire Venard, UK, Lexington, KY
Eugene Lacefield, UK, Lexington, KY

Al Sloan, AGR.GC.CA, Morden, MAN

William Kenworthy, UM, College Park, MD

Dechun Wang, MSU, East Lansing, MI
John Boyse, MSU, East Lansing, MI

James H. Orf, UMN, St. Paul, MN
Phil Schaus, UMN, St. Paul, MN
Gerald Decker, UMN, St. Paul, MN
Darcy Weston, UMN, St. Paul, MN

Kerry Clark, MU, Columia, MO
Grover Shannon, MU, Portageville, MO
Melissa Criel, MU, Portageville, MO

George Graef, UNE, Lincoln, NE
Les Korte, UNE, Lincoln, NE
Kyle Kocak, UNE, Lincoln, NE

Ted Helms, UND, Fargo, ND
Larry Martin, UND, Fargo, ND

Leah McHale, OSU, Columbus, OH
Marcia Feler, OSU, Columus, OH
Scott McIntyre, OSU, Wooster, OH
Anne Dorrance, OSU, Wooster, OH

Elroy R. Cober, AGR.GC.CA, Ottawa, ONT
Ron Guillemette,AGR.GC.CA, Ottawa, ONT
Vaino Poysa, AGR.GA.CA., Harrow, ONT
Bob Armstrong, AGR.GA.CA., Harrow, ONT
Istvan Rajcan, UGuelph, Guelph, ONT
Wade Montminy, UGuelp, Guelph, ONT
Dennis Fischer, RC, Ridgetown, ONT
Bryan Stirling, RC, Ridgetown, ONT

Louise O'Donoughe, CEROM, Saint-Mathieu, QUE
Jerome Auclaire, La Coop Federee, Saint-Hyacinthe, QUE
Rock Leonard, La Coop Federee, Saint-Hyacinthe, QUE

Guo-Liang Jiang, SDSU, Brookings, SD
Nick Hall, SDSU, Brookings, SD

V. R. Pantalone, UT Knoxville, TN
P. Aerlli, USDA-ARS, Jackson, TN
L. Fritz, USDA-ARS, Jackson, TN

2011 UNIFORM TEST PARTICIPANTS

Uniform Test Cooperator:	Technical Contact:
Teresa Hughes, USDA-ARS Dept. of Botany and Plant Pathology Purdue University 915 W. State Street West Lafayette, IN 47907-2054 Phone: 765-496-1843 E-mail: hughestj@purdue.edu	Wad Crochet, USDA-ARS USDA Soybean Research Bldg. Purdue-ACRE West Lafayette, IN 47906 Ph: 765-583-2952 Fax: 765-496-3452 Email: wcrochet@purdue.edu
	Brian Fulk Dept. of Botany and Plant Pathology Purdue University West Lafayette, IN 47907-2054 Ph: 765-583-2952 Fax: 765-496-3452 Email: bfulk@purdue.edu
Prakash Arelli USDA-ARS 605 Airways Blvd. Jackson, TN 38301 Phone: 731-425-4741 Fax: 731-425-4760 Email: prakash.arelli@ars.usda.gov	Lisa Fritz USDA-ARS 605 Airways Blvd. Jackson, TN 38301 Phone: 731-425-4736 Fax: 731-425-4760 Email: lisa.fritz@ars.usda.gov
Al Sloan Agriculture and Agri-food Canada Morden Research Center Unit 100-101 Route 100 Morden, Manitoba Canada R6M 1Y5 Ph: 204-822-7262 FAX: 204-822-7207 Email: asloan@agr.gc.ca	
Elroy R. Cober Agriculture and Agri-Food Canada Eastern Cereal and Oilseed Research Centre 960 Carling Ave. Ottawa, Ontario Canada K1A 0C6 Ph: 613-759-1610 Fax: 613-715-5399 E-mail: coberer@agr.gc.ca	Ron Guillemette Agriculture and Agri-Food Canada Eastern Cereal and Oilseed Research Centre Bldg. # 110, 960 Carling Ave. Ottawa, Ontario Canada K1A 0C6 Ph: 613-759-1611 Fax: 613-715-5399 E-mail: guillemettr@agr.gc.ca
Silvia Cianzio Department of Agronomy Iowa State University Ames, IA 50011 Phone: 787-830-2390 Fax: 787-830-1045 E-mail: scianzio@iastate.edu	Greg Gebhart / Peter Lundeen Iowa State University 351 Bessey Hall Ames, IA 50011 Phone: 515-294-5896 Fax: 515-294-9420 E-mail: ggebhart@iastate.edu, plundeen@iastate.edu

2011 UNIFORM TEST PARTICIPANTS

Uniform Test Cooperator:	Technical Contact:
Brian Diers Department of Crop Sciences University of Illinois 1102 S. Goodwin Ave. Urbana, IL 61801 Phone: 217-265-4062 Fax: 217-244-1707 E-mail: bdiers@uiuc.edu	Troy Cary Department of Crop Sciences University of Illinois 1102 S. Goodwin Ave. Urbana, IL 61801 PHone: 217-244-5138 Fax: 217-244-1707 E-mail: tcary@uiuc.edu
Walt R. Fehr Department of Agronomy, Rm 1212 Iowa State University Ames, IA 50011-1010 Ph: 515-294-6865 Fax: 515-294-6514 Email: wfehr@iastate.edu	Kevin Scholbrock 1210 Agronomy Hall Iowa State University Ames, IA 50011-1010 Ph: 515-294-0726 Fax: 515-294-6514 Email: kscholbr@iastate.edu
George L. Graef 319 Keim Hall University of Nebraska-Lincoln Lincoln, NE 68583-0915 Phone: 402-472-1537 Fax: 402-472-6343 Fax: 402-472-6343 E-mail: ggraef@unl.edu	Les Korte 107 SSL - UNL 2100 North 39th St. Lincoln, NE 68583-0827 Phone: 402-472-6343 Fax: 402-472-7904 E-mail: lkorte@unl.edu
Ted Helms Department of Plant Sciences North Bolley Drive North Dakota State University Fargo, ND 58105-5051 Phone: 701-231-8136 Fax: 701-231-8474 E-mail: ted.helms@ndsu.nodak.edu	Larry Martin AES Plant Science 212B Waldron Hall North Dakota State University Fargo, ND 58105-5051 Ph: 701-231-8871 Email: larry.martin@ndsu.nodak.edu
Stella A. Kantartzi Department of Plant & Soil Science Mailcode 4415 Southern Illinois University Carbondale, IL 62901 Phone: 618-453-1793 Fax: 618-453-7457 E-mail: kantart@siu.edu	Jim Klein SIU Ag Research Center 3268 West Pleasant Hill Rd. Carbondale, IL 62903 Phone: 618-453-2453 Fax: 618-453-8906 E-mail: jklein@siu.edu
William J. Kenworthy Dept. of Natural Resource Sciences & L.A. University of Maryland College Park, MD 20742-5821 Phone: 301-405-1324 Fax: 301-314-9041 E-mail: wkenwort@umd.edu	

2011 UNIFORM TEST PARTICIPANTS

Uniform Test Cooperator:	Technical Contact:
Rouf M. A. Mian OARDC-OSU 1680 Madison Ave. Wooster, OH 44691 Phone: 330-263-3672 Fax: 330-263-3887 E-mail: Rouf.Mian@ars.usda.gov	Tim Mendiola OARDC-OSU 1680 Madison Ave. Wooster, OH 44691 Phone: 330-263-3974 Fax: 330-263-3887 Email: Tim.Mendiola@ars.usda.gov
Randy L. Nelson, USDA-ARS National Soybean Research Lab. 1101 W. Peabody Dr. Urbana, IL 61801 Ph: 217-244-4346 Fax: 217-333-4639 Email: rlnelson@uiuc.edu	Edward Johnson, USDA-ARS Department of Crop Sciences 1101 West Peabody Dr. University of Illinois Urbana, IL 61801 Ph: 217-244-4348 Fax: 217-333-4639 Email: eddiej@uiuc.edu
James H. Orf Department of Agronomy & Plant Genetics University of Minnesota 1991 Buford Circle 411 Borlaug Hall St.Paul, MN 55108 Phone: 612-625-8275 Fax: 612-625-1268 E-mail: orfxx001@umn.edu	Phil Schaus Department of Agronomy & Plant Genetics University of Minnesota 105 Crops Research 1902 Dudley Ave. St. Paul, MN 55108 Phone: 612-625-9263 Fax: 612-625-1268 E-mail: schau002@umn.edu
Claire Venard N122 Agriculture Science Bldg-North Department of Plant and Soil Sciences University of Kentucky Lexington, KY 40546-0091 Phone: 859-257-2993 Fax: 859-323-1952 E-mail: claire.venard@uky.edu	Eugene Lacefield N222C Ag Sci Bldg-North Department of Agronomy University of Kentucky Lexington, KY 40546-0091 Phone: 859-257-2993 Fax: 859-323-1952 Email: elace0@uky.edu
Vaino Poysa Agriculture & Agri-Food Canada Greenhouse and Processing Crops Research Centre Harrow, Ontario Canada N0R 1G0 Ph. 519-738-2251 ext. 467 Fax: 519-738-2929 Email: poysav@agr.gc.ca	Bob Armstrong Agriculture & Agri-Food Canada Greenhouse and Processing Crops Research Centre Harrow, Ontario Canada N0R 1G0 Ph. 519-738-2251 ext. 445 Fax: 519-738-2929 Email: armstrongb@agr.gc.ca

2011 UNIFORM TEST PARTICIPANTS

Uniform Test Cooperator:	Technical Contact:
Istvan Rajcan Dept. of Plant Agriculture, Crop Sci. Bldg University of Guelph Guelph, Ontario Canada N1G 2W1 Phone: 519-824-4120 ext. 53564 Fax: 519-763-8933 Email: irajcan@uoguelph.ca	Wade Montminy/ Alberto Aguilera Dept. of Plant Agriculture, Crop Sci. Bldg University of Guelph Guelph, Ontario Canada N1G 2W1 Phone: 519-824-4120 ext. 58508 Email: montminy@uoguelph.ca, aaguilera@uoguelp.ca
	Dennis Fischer Ridgetown College Main Street East Ridgetown, Ontario Canada NOP 2CO Ph: 519-674-1598 Fax: 519-674-1600 Email: dfischer@ridgetownc.uoguelph.ca
W. T Schapaugh, Jr. Agronomy Department 2004 Throckmorton Hall Kansas State University Manhattan, KS 66506 Phone: 785-532-7242 Fax: 785-532-6094 E-mail: wts@ksu.edu	
Guo-Liang Jiang Plant Science Department NPB 247, Box 2140C South Dakota State University Brookings, SD 57007 Phone: 605-688-4749 Fax: 605-688-4452 E-mail: guo.liang.jiang@sdstate.edu	Nick Hall South Dakota State University Plant Science Department Brookings, SD 57007 Phone: 605-688-4949 E-mail:nicholas.hall@sdstate.edu
Grover Shannon Delta Research Center 147 State Hwy T Portageville, MO 63873 Phone: 573-379-5431 Fax: 573-379-5875 E-mail: shannong@missouri.edu	Melissa Crisel Delta Research Center P. O. Box 160 Portageville, MO 63873 Phone: 573-379-5431 Fax: 573-379-5875 E-mail: woolardm@missouri.edu
David A. Sleper Division of Plant Science 271F Life Sciences Center University of Missouri Columbus, MO 65211-7310 Phone: 573-882-7320 Fax: 573-882-1467 E-mail: sleperd@missouri.edu	Kerry M. Clark Research Support Services 3600 New Haven Rd. Columbia, MO 65201 Phone: 573-882-0198 Fax: 573-884-4562 E-mail: clarkk@missouri.edu

2011 UNIFORM TEST PARTICIPANTS

Uniform Test Cooperator:

Leah K. McHale
Dept. of Horticulture and Crop Science
312B Koffman Hall, 2021 Coffey Rd.
Ohio State University
Columbus, OH 43210
Ph: 614-292-9003
Fax: 614-292-7162
Email: mchale.21@osu.edu

Louise O'Donoughue
Genetique des oleoprotagineux/Oilseed genetics CEROM
740 Chemin Trudeau
Saint-Mathieu-de-Beloeil (Quebec)
Canada J3G 2E0
Ph: 450-464-2715 ext. 228
FAX: 450-464-8767
Email: louise.odonoughue@cerom.qc.ca

Jérôme Auclair
La Coop Fédérée
15050, Chemin de la Fédérée
Saint-Hyacinthe, Quebec
Canada J2R 1J2
Ph: 450-799-2326 x32
Fax: 450-799-2328
Email: jerome.auclair@lacoop.coop

Dechun Wang
Department of Crop & Soil Sciences
Michigan State University
A384-E Plant & Soil Sciences Bldg.
East Lansing, MI 48824-1325
Phone: 517-355-0271 ext. 188 Fax: 515-353-3955
E-mail: wangdech@msu.edu

Vince R. Pantalone
Dept. of Plant and Soil Sciences
University of Tennessee
P.O. Box 1071
Knoxville, TN 37901-1071
Ph: 865-974-8801
Fax: 974-7994
Email: vpantalo@utk.edu

Technical Contact:

Marcia Feller
Dept. of Horticulture and Crop Science
202 Koffman Hall, 2021 Coffey Rd.
Ohio State University
Columbus, OH 43210
Ph: 614-292-2124
Fax: 614-292-7162
Email: feller.13@osu.edu

Scott McIntyre
Dept. of Horticulture and Crop Science
1680 Madison Ave.
OARDC-OSU
Wooster, OH 44691
Ph: 330-263-3974
Fax:: 330-263-3887
Email: mcintyre.31@osu.edu

Rock Leonard
La Coop Fédérée
19235, Avenue St. Louis
Saint-Hyacinthe, Quebec
J2T 5J4
Ph: 450-799-2326- poste 236
Fax: 450-773-3381
Email: rock.leonard@lacoop.coop

John Boyse
Crop and Soil Science Research Farm
Michigan State University
4450 Beaumont Rd.
East Lansing, MI 48824-1325
Phone: 517-355-2287 Fax: 515-353-3515
E-mail: boyse@msu.edu

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 345, 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 dropped or advanced 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.

Germplasm exchange among breeding programs is the foundation of breeding progress. The purpose of the Uniform Soybean Test is to facilitate the free exchange of germplasm in an effort to maximize genetic diversity and provide well-adapted, stable breeding lines and varieties in the pursuit of breeding progress. Participants are encouraged to exchange germplasm within the legal guidelines pertaining to transgenic strains.

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. (A=W. Fehr, AR=S. Cianzio)
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/L. McHale)
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
OT	Central Experimental Farm, Ottawa, 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, NEX	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 Composited 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:

Group	Reference:	Range	Early check	Late check
00	MN0071	-7 to +5		MN0095(L)
0	Sheyenne	-6 to +2	MN0095 (E)	Surge(L)
I	MN1410	-4 to +4	Sheyenne (0)	IA1022 (SCN)
II	IA2094	-3 to +5	IA1022 (I)	IA3024 (L)
III	IA3023	-6 to +2	IA3024	IA4004 (L)
IV	LD00-3309	-4 to +7	IA4004 (III)	LD00-2817P (L)
IRR	SD1611RR		SD1111RR (E)	AG2002
IIRR	AG2403		AG2002	NEX2905A0R (L)
IIIRR	U03-827101 (SCN)		NEX2905A0R (E)	AG3803 (L)

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 IA1022 (SCN) for resistance to the soybean cyst nematode in UT I, or IA3024 as a 1% linolenic check in PTII, and PTIII.

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

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 reported as dry weight percentage value. The values listed in this report have been converted to a 13% moisture 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	Pseudomonas syringa pv. glycinea
BBV	Bud blight	Tobacco ringspot virus
BP	Bacterial pustule	Xanthomonas campestris pv. phaseoli
BS	Brown spot	Septoria glycines
BSR	Brown stem rot	Phialophora gregata
BTS	Bacterial tan spot	Corynebacterium flaccumfaciens
CN	Cyst nematode	Heterodera glycines
CR	Charcoal rot	Macrophomina phaseolina
DM	Downy mildew	Peronospora manshurica
FE	Frogeye leafspot	Cercospora sojina
PM	Powdery mildew	Microsphaera diffusa
PR	Phytophthora rot	Phytophthora sojae
PS	Purple stain	Cercospora kikuchii
P&SB	Pod & stem blight	Phomopsis spp.
Pyd	Pythium root rot	Pythium debaryanum
Pyu	Pythium root rot	Pythium ultimum
RK	Root knot nematode	Meloidogyne spp.
RP	Rhizoctonia root rot	Rhizoctonia solani
SB	Sclerotial blight	Sclerotium rolfsii
NSC	Northern Stem canker	Diaporthe phaseolorum var. caulivora
SCL	Sclerotinia stem rot	Sclerotina sclerotiorum
SDS	Sudden death syndrome	Fusarium virguilforme, (F. solani f.sp. glycines)
SMV	Soybean mosaic virus	Soybean mosaic virus
TS	Target spot	Corynespora cassiicola
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.

Illinois Sudden Death Syndrome rating: Plots were scored by Southern Illinois University. All disease scores were interpolated to the R 6.2 growth stage.

DX = SDS Disease index (DI x DS/9)
DI = SDS Disease Incidence (% of plants with visible leaf symptoms)
DS = SDS Disease Severity (1=mild chlorosis, 5=severe leaf scorch, 9=premature death of the plant)

Minnesota Iron Chlororis scores (IDC): Scores are the values on the average of 2 observations taken mid July, and early August. Data was collected from Danvers, Minnesota. Planting dates June 6, 2011.

Iowa State Iron Chlororis scores are values on the average of 4 observations. Data was collective from Humboldt, Iowa. Planting date June 30, 2011.

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. Kay Simmons, Deputy Administrator for Crop Production and Protection, Office of National Programs, USDA, ARS, 5601 Sunnyside Avenue, 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 2011

Variety	Experimental designation	Uniform Test evaluations
IA2102	A08-248043	2009 PTIIA, 2010 UTII
IA2105	A07-427027	2008 PTI, 2009 UTII, 2010 UTI
IA3052	A07-626002	2008 PTIIA, 2009-2010 UTII
Saluki 4411	LS05-3229	2008-2010 UTIV
U06-135601R	U06-135601R	2009-2010 UTRR-I
U06-814223R	U06-814223R	2010 UTRR-II

Variety	Release date	Releasing states or Provinces	Foundation seed production
IA2102	Nov. 2011	Iowa	2012
IA2105	Jan. 2012	Iowa	2011
IA3052	Jan. 2012	Iowa	2011
Saluki 4411	Spring 2011	Illinois, Missouri	2011
U06-135601R	2011	Nebraska	2011
U06-814223R	2011	Nebraska	2011

2011 Soybean Cyst Nematode Evaluations

1500 eggs per plant inoculum

For raw data, contact Troy Cary tcary@illinois.edu

Ratings:	FI values	
HR	<10	Highly resistant
R	10-24	Resistant
MR	25-39	Moderately resistant
LR	40-59	Low resistance
NR	60+	No resistance

HG Type 0 (Race 3)

Indicator	Mean	FI	*retest Mean*	*retest FI*
Lee	230			
Essex	202			
PI548402	0	0		
PI88788	3	1	*no retest done*	
PI90763	0	0		
PI437654	0	0		
PI209332	8	4		
PI89772	0	0		
PI548316	19	8		
PI438489B	68	30		
Pickett	5	2		

HG Type 2.5.7 (Race1)

Indicator	Mean	FI	*retest Mean*	*retest FI*
Lee	101		*289*	
Essex	88		*269*	
PI548402	0	0	*4*	*1*
PI88788	54	53	*159*	*55*
PI90763	0	0	*0*	*0*
PI437654	0	0	*0*	*0*
PI209332	49	48	*130*	*45*
PI89772	0	0	*0*	*0*
PI548316	64	63	*181*	*62*
PI438489B	1	0	*0*	*0*
Pickett	1	1	*27*	*9*

Note: **FI** count too low for accurate rating.

** rep data too variable to rate

		HG Type 0 (Race 3)			**HG Type 2.5.7 (Race1)**			
Entry	**Line**	**Mean**	**FI**	**Rating**	**Mean**	**FI**	**Rating**	**Test**
3	MN0095	147	64	NR	71	71	NR	UT00, UT0, PT0
5	M05-350061	9	4	HR	57	57	LR	UT00
1	Sheyenne	163	71	NR	72	72	NR	UT0, PT0, UTI, PTI
2	MN1410	156	68	NR	60	60	NR	UT0, PT0, UTI, PTI
3	Surge	164	71	NR	61	61	NR	UT0, PT0
5	MN0606CN	11	5	HR	62	61	NR	UT0, PT0
8	M05-353148	3	1	HR	68	68	NR	PT0
9	M05-363022	5	2	HR	64	64	NR	PT0
10	M05-363031	9	4	HR	*245*	*85*	*NR*	PT0
22	ND07-3987	30	13	R	53	52	LR	PT0
23	ND07-3994	14	6	HR	56	55	LR	PT0
25	ND07-4635	27	12	R	68	67	NR	PT0
2	IA1022 (SCN)	14	6	HR	61	61	NR	UTI, PTI, UTII, PTII
23	U09-104031	123	53	LR	60	60	NR	PTI
26	U09-117010	147	64	NR	86	85	NR	PTI
28	U09-127019	42	18	R	75	75	NR	PTI
29	U09-129007	154	67	NR	60	59	LR	PTI

	HG Type 0 (Race 3)				HG Type 2.5.7 (Race1)			
Entry	**Line**	**Mean**	**FI**	**Rating**	**Mean**	**FI**	**Rating**	**Test**
1	IA2094	147	64	NR	68	68	NR	UTII, PTII
4	LD02- 4485	8	4	HR	69	69	NR	UTII
18	U07-200211	21	9	HR	65	65	NR	UTII
19	U07-402918	176	77	NR	71	71	NR	UTII
25	LD08-2370	31	13	R	68	68	NR	PTIIA
19	U09-215057	168	73	NR	73	73	NR	PTIIB
24	U09-316113	121	53	LR	81	80	NR	PTIIB
1	IA3023	99	43	LR	*216*	*75*	*NR*	UTIII, PTIII
2	IA3024	165	72	NR	*77*	*77*	NR	UTIII, PTIII
3	IA3048	8	3	HR	*223*	*77*	*NR*	UTIII, PTIII
4	IA4005	131	57	LR	71	71	NR	UTIII, PTIII, UTIV, PTIV
6	LD07-4477	32	14	R	63	63	NR	UTIII
7	LD07-4530	30	13	R	68	67	NR	UTIII
8	LD07-3419	1	1	HR	2	2	HR	UTIII
9	CL04-10534	38	17	R	63	63	NR	UTIII
10	CL04-13234	6	3	HR	60	60	NR	UTIII
12	CL05-46116	15	7	HR	55	55	LR	UTIII
11	LD08-2355	5	2	HR	*213*	*74*	*NR*	PTIIIA
12	LD08-5579	6	3	HR	*226*	*78*	*NR*	PTIIIA
13	LD08-6068a	25	11	R	*253*	*87*	*NR*	PTIIIA
14	LD08-8622	28	12	R	55	55	LR	PTIIIA
14	U08-422034	42	18	**	63	63	NR	PTIIIB
16	U09-230069	141	61	NR	74	74	NR	PTIIIB
18	U09-316112	156	68	NR	72	72	NR	PTIIIB
22	U10-423056	163	71	NR	64	64	NR	PTIIIB
23	U10-425065	132	58	LR	70	70	NR	PTIIIB
24	U10-429063	139	61	NR	55	55	LR	PTIIIB
25	U10-430057	100	44	**	81	80	NR	PTIIIB
26	U10-433058	138	60	NR	62	62	NR	PTIIIB
27	U10-441064	124	54	LR	57	57	LR	PTIIIB
1	LD00- 3309	33	14	R	59	59	LR	UTIV, PTIV
3	LD00- 2817P	0	0	HR	3	3	HR	UTIV, PTIV
4	CL05-46330	51	22	**	56	55	LR	UTIV
5	CL05-61413	38	16	R	75	75	NR	UTIV
11	LD06-7609	13	6	HR	*227*	*78*	*NR*	UTIV
12	LD06-7620	35	15	R	66	65	NR	UTIV
13	LD06-8970	2	1	HR	41	41	LR	UTIV
14	LD07-3823	12	5	HR	*225*	*78*	*NR*	UTIV
15	LS07-1343	116	51	LR	60	60	NR	UTIV
16	LS07-1934	2	1	HR	10	10	R	UTIV
17	LS07-1942	15	7	HR	*101*	*35*	*MR*	UTIV
18	LS07-2935	11	5	HR	*254*	*88*	*NR*	UTIV
19	LS07-3125	16	7	HR	63	63	NR	UTIV
20	LS07-3131	17	7	HR	45	44	LR	UTIV

	HG Type 0 (Race 3)				HG Type 2.5.7 (Race1)			
Entry	**Line**	**Mean**	**FI**	**Rating**	**Mean**	**FI**	**Rating**	**Test**
18	LS08-3120	24	11	R	56	56	LR	PTIV
19	LS08-4141	6	3	HR	60	60	NR	PTIV
20	LS08-4348	4	2	HR	61	61	NR	PTIV
21	LS08-4418	9	4	HR	64	63	NR	PTIV
22	LS08-4542	11	5	HR	41	41	LR	PTIV
23	LS08-4637	19	8	HR	*131*	*45*	**	PTIV
24	LS08-5837	9	4	HR	62	61	NR	PTIV
25	LS08-4941	20	9	HR	58	58	LR	PTIV
26	LS08-5515	16	7	HR	60	60	NR	PTIV
6	U07-135636R	129	56	LR	73	73	NR	UTIIRR
7	U07-236940R	134	59	LR	72	72	NR	UTIIRR
1	U03-827101 (SCN)	15	7	HR	71	70	NR	UTIIIRR
4	AG3803	34	15	R	55	55	LR	UTIIIRR
7	S08-8467	94	41	LR	46	45	LR	UTIIIRR
9	U08-926022R	86	37	**	72	72	NR	UTIIIRR

2011 Soybean Phytophthora Rps Gene Evaluation-Indiana

Test	Entry #	Strain	R4	R7	R17	R25	2010 Reaction R4	2010 Reaction R7	Gene
UT 00	1.	MN0071 (00)	14\20	20\20	0\21	11\19	S	S	Rps1
UT 00	2.	Cavalier	0\20	17\20	19\20	0\20	R	R	Rps6
UT 00	3.	MN0095 (0)	21\21	18\18	2\20	19\19	S	S	Rps1
UT 00	4.	M03-158071	6\19	0\18	0\20	19\20	R	S	Rps6
UT 00	5.	M05-350061	5\20	2\16	0\20	2\16			Rps1k
UT 00	6.	M05-201027	18\18	3\14	7\19	18\19			
UT 00	7.	ND05-17835	6\18	0\17	2\20	18\19	R	R	Rps1k
UT 00	8.	ND07-3684	1\20	1\18	3\20	0\20	R	R	Rps6
UT 00	9.	ND07-4027	2\19	19\19	0\18	3\15	R	S	Rps6
UT 00	10.	ND08-7287	9\19	18\18	0\20	2\18			Rps4
UT 00	11.	ND08-7979	5\20	19\19	0\16	0\16			Rps6
UT 00	12.	ND08-7219	2\19	17\19	0\20	0\19			Rps4
UT 00	13.	OAC 09-01C	19\19	1\20	0\21	16\17			

Test	Controls	R4	R7	R17	R25
UT 00	1a	16\16	6\6	0\11	15\17
	1b	1\17	0\7	8\9	15\16
	1c	19\19	0\9	1\11	17\18
	1d	5\14	0\6	6\6	1\13
	1k	0\17	0\11	0\10	20\20
	2	12\18	19\20	19\20	4\18
	3a	0\17	13\13	11\11	0\12
	3b	0\19	5\21	15\20	1\20
	3c	14\19	18\19	16\19	4\18
	4	5\17	18\18	15\18	1\19
	5	16\18	19\19	17\18	2\19
	6	1\12	4\4	3\4	0\9
	7	14\14	9\11	9\10	10\13
	8	0\21	1\18	16\17	0\19
	None	19\19	16\16	18\18	19\19

R4 isolate phenotype	1a, 1c, 5, 7
R7 isolate phenotype	1a, 2, 3a, 3c, 4, 5, 6, 7
R17 isolate phenotype	1b, 1d, 2, 3, 4, 5, 6, 7, 8
R25 isolate phenotype	1a, 1b, 1c, 1k, 7

Test	Entry #	Strain	R4	R7	R17	R25	2010 Reaction R4	2010 Reaction R7	Gene
UT 0	1.	Sheyenne (0)	17\17	1\16	0\19	19\19	S	R	Rps1-c
UT 0	2.	MN1410 (I)	17\18	19\19	10\18	10\18	S	S	Rps1k
UT 0	3.	Surge (L)	19\19	18\18	1\19	14\19	S	S	
UT 0	4.	MN0095 (E)	20\20	19\20	0\20	18\20	S	S	Rps1
UT 0	5.	MN0606CN (SCN)	20\21	0\15	19\19	19\19	S	S	
UT 0	6.	M02-495076	1\20	0\19	0\21	5\21	R	R	
UT 0	7.	M02-399012	17\18	18\21	20\20	21\21	S	S	
UT 0	8.	M03-172059	0\21	8\21	0\21	1\20	R	R	Rps1k
UT 0	9.	M04-267028	19\19	15\15	0\21	20\21	S	S	Rps1a
UT 0	10.	ND07-2019	4\21	0\16	0\19	0\22	R	R	Rps6
UT 0	11.	ND07-2303	3\20	0\21	1\20	1\21	R	R	Rps1k

2011 Soybean Phytophthora Rps Gene Evaluation-Indiana

							2010 Reaction		
Test	**Entry #**	**Strain**	**R4**	**R7**	**R17**	**R25**	**R4**	**R7**	**Gene**
UT 0	12.	ND07-2317	0\19	0\20	0\19	19\20	R	R	Rps1k
UT 0	13.	ND07-3376	0\17	14\16	9\18	0\20	R	S	Rps1c
UT 0	14.	ND07-3761	0\21	0\19	0\19	16\20	R	R	Rps6
UT 0	15.	ND07-4069	0\20	19\19	18\20	0\20	R	S	Rps6
UT 0	16.	SD06-322	18\19	18\18	14\18	18\19	S	S	
UT 0	17.	SD06-525	1\19	0\20	0\19	16\20	R	R	Rps 1c
UT 0	18.	SD07CV-528	15\16	0\17	0\20	18\20	S	R	
UT 0	19.	SD07CV-539	16\20	3\19	1\20	15\20	S	R	
UT 0	20.	SD07CV-935	18\19	18\18	17\17	18\20	S	S	
PT 0	1.	Sheyenne (0)	17\18	16\17	0\19	19\20	S	R	Rps1-c
PT 0	2.	MN1410 (I)	20\20	18\19	11\19	18\20	S	S	Rps1k
PT 0	3.	Surge (L)	19\19	18\18	0\20	18\19	S	S	
PT 0	4.	MN0095 (E)	19\19	19\19	0\19	20\20	S	S	Rps1
PT 0	5.	M05-243040	18\18	18\18	17\18	13\20			Slow Wilting
PT 0	6.	M05-242024	10\18	18\19	0\19	13\16			Slow Wilting
PT 0	7.	M05-315068	0\19	0\20	0\19	16\18			Rps1k
PT 0	8.	M05-353148	17\19	1\18	1\20	18\19			
PT 0	9.	M05-363022	18\19	20\20	1\17	15\16			
PT 0	10.	M05-363031	17\18	19\19	17\18	17\20			
PT 0	11.	M05-364040	15\19	16\18	18\19	15\19			Rps1c
PT 0	12.	ND07-1816	7\19	0\19	0\21	3\18			Rps6
PT 0	13.	ND07-1967	0\19	0\17	0\20	1\19			Rps1c
PT 0	14.	ND07-2205	0\16	0\19	0\19	0\19			Rps6
PT 0	15.	ND07-2226	3\20	0\18	0\14	17\20			Rps1c
PT 0	16.	ND07-2307	0\18	0\20	0\20	17\19			Rps1c
PT 0	17.	ND07-2334	0\19	0\20	0\18	19\20			Rps1c
PT 0	18.	ND07-2347	0\20	0\18	0\17	20\20			Rps1c
PT 0	19.	ND07-2359	7\19	0\20	0\13	18\18			Rps1c
PT 0	20.	ND07-3512	3\20	0\20	0\20	1\19			Rps1c
PT 0	21.	ND07-3664	0\19	0\18	0\18	0\19			Rps1c
PT 0	22.	ND07-3987	19\19	17\19	0\20	19\19			Rps1c
PT 0	23.	ND07-3994	19\19	19\19	0\18	19\19			Rps6
PT 0	24.	ND07-4050	0\20	18\19	20\20	0\18			Rps6
PT 0	25.	ND07-4635	17\18	0\21	0\17	14\18			Rps6
PT 0	26.	OAC 09-17C	18\19	19\19	17\19	19\19			
PT 0	27.	OAC 09-35C	20\20	0\21	0\20	20\20			
PT 0	28.	SD08CV-0015	20\20	0\19	17\20	19\19			
PT 0	29.	SD08CV-0016	19\19	17\17	18\20	18\18			
PT 0	30.	SD08CV-0018	19\19	20\20	21\21	19\21			
PT 0	31.	SD08CV-0019	14\19	20\20	12\19	15\20			
PT 0	32.	SD08CV-0024	0\20	1\20	0\18	19\19			

Test	**Controls**	**R4**	**R7**	**R17**	**R25**
UT 0	1a	17\18	19\19	0\17	16\20
PT 0	1b	0\12	0\20	11\15	6\13
	1c	20\20	0\19	0\16	16\20
	1d	1\13	7\18	8\10	0\8
	1k	0\19	0\20	0\18	18\19
	2	1\9	17\19	18\20	2\20

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Test	Controls	R4	R7	R17	R25
UT 0	3a	0\7	13\13	15\15	0\16
PT 0	3b	0\17	3\19	18\19	0\20
	3c	0\19	2\19	19\20	1\20
	4	0\21	19\20	17\20	1\17
	5	0\20	19\19	19\19	1\18
	6	0\8	9\10	8\8	0\8
	7	13\17	15\15	12\17	16\18
	8	0\20	16\20	18\18	0\17
	None	17\19	19\19	19\20	18\19

R4 isolate phenotype	1a, 1c, 5, 7
R7 isolate phenotype	1a, 2, 3a, 3c, 4, 5, 6, 7
R17 isolate phenotype	1b, 1d, 2, 3, 4, 5, 6, 7, 8
R25 isolate phenotype	1a, 1b, 1c, 1k, 7

							2010 Reaction		
Test	**Entry #**	**Strain**	**R4**	**R7**	**R17**	**R25**	**R4**	**R7**	**Gene**
UT I	1.	MN1410 (I)	15\19	20\20	4\20	13\20	S	S	Rps1k
UT I	2.	IA1022 (SCN)	6\19	13\21	15\16	15\20	S	S	
UT I	3.	Sheyenne (0)	16\20	1\20	0\19	17\20	S	R	Rps1-c
UT I	4.	A07-427027	19\19	18\18	18\19	17\19	S	S	
UT I	5.	AR08-186008	13\17	9\18	0\19	13\18	S	S	
UT I	6.	M03-165068	0\20	0\21	0\18	15\18	R	R	Rps1k
UT I	7.	SD07CV-523	19\20	19\20	0\20	17\20	S	S	
PT I	1.	MN1410 (I)	13\19	15\18	15\20	19\20	S	S	Rps1k
PT I	2.	IA1022 (SCN)	7\13	19\19	17\19	16\16	S	S	
PT I	3.	Sheyenne (0)	18\20	2\20	0\19	19\20	S	R	Rps1-c
PT I	4.	AR09-292004	16\16	8\15	7\18	16\18			
PT I	5.	AR10-106005	0\19	0\20	0\19	16\19			
PT I	6.	AR10-106008	0\20	0\19	0\19	18\18			
PT I	7.	AR10-106009	0\20	0\19	0\18	16\19			
PT I	8.	AR10-106010	20\20	18\20	19\20	18\19			
PT I	9.	AR10-106012	19\19	16\19	17\19	15\17			
PT I	10.	AR10-206097	16\17	1\19	0\16	11\17			
PT I	11.	M05-214049	0\20	0\19	0\19	0\18			Rps1k
PT I	12.	M05-226053	17\20	19\19	20\20	19\20			Rps1k
PT I	13.	M05-248041	10\20	2\20	0\19	5\20			Slow Wilting
PT I	14.	M05-251-5026	0\19	0\20	1\17	18\19			Slow Wilting
PT I	15.	M05-286085	17\19	16\18	2\19	14\19			
PT I	16.	M05-307064	0\20	1\19	0\19	0\18			Rps1k
PT I	17.	M05-319032	17\20	0\20	0\20	18\21			Rps1c
PT I	18.	M05-328015	15\20	11\18	0\19	16\20			Rps1k
PT I	19.	M05-328025	2\20	0\20	0\20	0\18			
PT I	20.	M05-328089	8\19	11\18	0\19	3\20			
PT I	21.	OAC 09-44C	20\20	13\20	6\18	15\19			
PT I	22.	U09-104003	2\18	18\19	13\18	0\18			Rps
PT I	23.	U09-104031	0\16	17\18	13\15	0\18			
PT I	24.	U09-105007	0\16	0\13	4\14	0\14			Rps
PT I	25.	U09-107025	13\20	19\20	17\19	1\20			Rps
PT I	26.	U09-117010	20\20	0\20	0\18	9\16			Rps

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Test	Entry #	Strain	R4	R7	R17	R25	2010 Reaction R4	2010 Reaction R7	Gene
PT I	27.	U09-121002	20\20	13\20	18\19	17\20			Rps
PT I	28.	U09-127019	1\16	0\19	0\20	15\17			Rps
PT I	29.	U09-129007	0\19	0\20	0\20	0\19			Rps
PT I	30.	U09-209069	0\19	1\19	2\16	10\20			Rps1k
PT I	31.	U09-210042	19\20	19\19	20\20	17\20			Rps
PT I	32.	U09-210051	3\19	2\19	1\20	18\19			Rps
PT I	33.	U09-211070	16\20	19\19	16\20	15\19			Rps
PT I	34.	U09-306098	15\17	1\18	8\17	7\13			Rps1k
PT I	35.	SD08CV-1041	1\19	0\17	0\19	10\18			
PT I	36.	SD08CV-1043	2\19	0\20	0\17	14\20			
PT I	37.	SD08CV-1061	0\20	0\21	0\20	15\20			
PT I	38.	SD08CV-1066	0\19	1\19	0\19	15\20			
PT I	39.	SD08CV-1078	3\19	0\19	0\20	17\20			
PT I	40.	SD08CV-1080	1\19	17\20	17\21	17\20			
PT I	41.	SD08CV-1211	4\19	1\19	1\20	19\20			

Test	Entry #	Strain	R4	R7	R17	R25	2010 Reaction R4	2010 Reaction R7	Gene
UT II	1.	IA2094 (II)	19\19	18\19	18\18	20\20	S	S	
UT II	2.	IA1022 (SCN)	19\19	6\15	13\16	16\18	S	S	
UT II	3.	IA3024	0\17	0\18	0\11	13\18	R	R	
UT II	4.	LD02-4485	20\20	11\17	14\19	16\19			
UT II	5.	A07-626002	20\20	10\19	11\20	17\19	S	S	
UT II	6.	A08-248043	20\20	9\19	20\20	17\19	S	S	
UT II	7.	AR08-286003	16\16	18\19	0\15	9\17	S	S	
UT II	8.	AR08-286004	18\18	19\19	0\19	19\20	S	S	
UT II	9.	AR09-192008	11\14	14\18	17\18	11\13	S	S	
UT II	10.	AR09-192010	19\19	19\19	20\20	17\19	S	S	
UT II	11.	AR09-192018	17\19	17\17	6\20	20\20	S	S	
UT II	12.	AR09-192019	17\18	18\18	0\18	19\20	S	S	
UT II	13.	E08200	17\17	0\19	0\18	15\15	S	R	
UT II	14.	E08210	0\20	0\20	0\20	18\19	R	R	
UT II	15.	SD07CV-367	15\17	19\19	1\19	18\19	S	S	
UT II	16.	SD07CV-603	0\20	1\18	0\20	15\19	R	R	
UT II	17.	SD07CV-631	15\18	17\19	11\19	17\19	S	S	
UT II	18.	U07-200211	6\20	0\20	0\21	4\20	S	R	
UT II	19.	U07-402918	14\19	5\20	0\20	16\17	S	S	

Test	Controls	R4	R7	R17	R25
UT I	1a	16\20	17\19	20\20	16\18
PT I	1b	0\14	1\16	6\13	11\11
UT II	1c	20\20	0\20	2\18	11\16
	1d	1\10	2\14	7\13	4\10
	1k	0\19	0\19	1\17	18\19
	2	3\19	21\21	10\18	0\20
	3a	0\11	17\17	13\15	0\16
	3b	0\20	0\20	15\19	0\20
	3c	0\20	0\20	15\20	0\20
	4	0\20	18\20	4\19	0\19
	5	0\20	18\20	18\20	0\19

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Test	Controls	R4	R7	R17	R25
UT I	6	0\6	8\8	5\6	0\7
PT I	7	16\16	11\13	8\14	15\19
UT II	8	0\19	0\20	16\19	0\19
	None	20\20	18\19	17\20	17\19

R4 isolate phenotype	1a, 1c, 5, 7
R7 isolate phenotype	1a, 2, 3a, 3c, 4, 5, 6, 7
R17 isolate phenotype	1b, 1d, 2, 3, 4, 5, 6, 7, 8
R25 isolate phenotype	1a, 1b, 1c, 1k, 7

							2010 Reaction		
Test	**Entry #**	**Strain**	**R4**	**R7**	**R17**	**R25**	**R4**	**R7**	**Gene**
PT IIA	1.	IA2094 (II)	20\20	20\20	15\18	19\19	S	S	
PT IIA	2.	IA1022 (SCN)	10\17	2\16	11\15	16\19	S	S	
PT IIA	3.	IA3024	0\18	0\20	0\17	8\11	R	R	
PT IIA	4.	AR09-392041	17\17	19\19	8\19	16\17			
PT IIA	5.	AR10-106001	0\18	0\20	0\19	15\20			
PT IIA	6.	AR10-106013	19\19	6\18	2\14	12\19			
PT IIA	7.	AR10-206012	11\17	16\20	17\19	12\14			
PT IIA	8.	AR10-206070	17\17	8\19	1\20	17\17			
PT IIA	9.	AR10-206073	18\20	9\20	0\18	10\19			
PT IIA	10.	AR10-206075	19\19	17\17	17\19	20\20			
PT IIA	11.	AR10-206092	9\18	11\19	7\19	19\19			
PT IIA	12.	AR10-206101	19\20	18\18	19\19	19\19			
PT IIA	13.	AR10-206105	0\17	0\18	0\20	4\16			
PT IIA	14.	AR10-206108	16\16	16\16	17\19	13\15			
PT IIA	15.	AR10-206113	15\17	15\17	8\15	10\14			
PT IIA	16.	AR10-206115	13\13	15\15	10\17	17\17			
PT IIA	17.	AR10-206121	18\19	18\19	9\17	9\16			
PT IIA	18.	AR10-206128	0\14	6\17	1\12	0\19			
PT IIA	19.	E09014	17\18	2\18	0\20	13\19			
PT IIA	20.	E09089	19\19	12\19	7\20	17\18			
PT IIA	21.	E09090	13\13	13\19	18\20	18\18			
PT IIA	22.	E09107	18\18	0\20	0\19	13\16			
PT IIA	23.	E09109	17\17	0\19	0\20	15\19			
PT IIA	24.	E09110	18\18	0\19	0\16	17\20			
PT IIA	25.	LD08-2370	8\18	11\20	9\19	18\19			
PT IIA	26.	LD08-2388	3\20	0\18	0\21	19\22			
PT IIA	27.	LD08-3243	14\15	16\17	8\14	17\19			
PT IIA	28.	LD08-4202	21\21	20\20	20\21	18\19			
PT IIA	29.	SD08CV-2080	19\20	19\20	17\20	8\18			
PT IIA	30.	SD08CV-2083	20\20	16\18	20\20	18\20			
PT IIA	31.	SD08CV-2088	20\21	21\22	20\21	21\22			
PT IIA	32.	SD08CV-2094	19\20	22\22	18\19	19\22			
PT IIA	33.	SD08CV-2096	19\20	19\20	19\21	20\21			
PT IIA	34.	SD08CV-2102	19\20	21\22	19\21	20\20			

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Test	Entry #	Strain	R4	R7	R17	R25	2010 Reaction R4	2010 Reaction R7	Gene
PT IIB	1.	IA2094 (II)	21\21	17\18	19\19	17\18	S	S	
PT IIB	2.	IA1022 (SCN)	9\16	15\19	15\18	20\20	S	S	
PT IIB	3.	IA3024	0\19	0\13	0\21	15\16	R	R	
PT IIB	4.	LG08-1643	3\20	6\20	10\21	22\22			
PT IIB	5.	LG09-5636	10\13	0\13	0\14	6\11			
PT IIB	6.	LG09-5856	22\22	19\20	20\20	19\19			
PT IIB	7.	LG09-5857	18\19	16\16	16\18	17\17			
PT IIB	8.	LG09-5875	12\13	10\10	8\10	16\16			
PT IIB	9.	LG09-7193	16\16	16\16	18\18	18\19			
PT IIB	10.	HS8W-30	0\19	0\16	1\21	19\20			
PT IIB	11.	HS8W-106	1\20	0\22	1\21	1\20			
PT IIB	12.	HM09-W035	0\25	0\22	1\19	0\21			
PT IIB	13.	HM09-W041	0\22	0\22	2\20	1\21			
PT IIB	14.	HM09-W146	0\20	0\19	0\21	0\20			
PT IIB	15.	HM09-W155	20\20	0\20	0\19	20\20			
PT IIB	16.	U06-103459-223	14\18	9\13	13\13	10\16			
PT IIB	17.	U06-103459-73	4\12	18\18	17\17	3\14			
PT IIB	18.	U08-314029	20\20	17\18	13\16	15\20			
PT IIB	19.	U09-215057	12\19	0\20	0\19	16\20			Rps
PT IIB	20.	U09-224078	16\18	20\20	20\20	20\20			Rps
PT IIB	21.	U09-310098	15\15	19\19	16\17	19\19			Rps1k
PT IIB	22.	U09-311114	16\16	19\19	15\17	19\20			Rps1k
PT IIB	23.	U09-312115	1\18	0\13	0\18	16\18			Rps1k
PT IIB	24.	U09-316113	20\20	20\20	17\20	15\18			Rps
PT IIB	25.	U09-317120	0\18	0\19	0\20	17\18			Rps
PT IIB	26.	U09-808019	18\18	19\19	17\20	18\20			
PT IIB	27.	U09-811027	13\13	18\18	0\18	15\17			
PT IIB	28.	U09-823008	0\12	16\16	0\15	15\17			
PT IIB	29.	U09-825013	14\15	18\18	0\19	17\20			
PT IIB	30.	U09-830023	1\20	2\20	0\20	21\21			

Test	Controls	R4	R7	R17	R25
PT IIA	1a	18\18	20\20	0\19	10\18
PT IIB	1b	0\13	0\12	3\14	11\12
	1c	20\20	0\19	0\19	14\21
	1d	0\16	3\11	7\12	0\10
	1k	0\20	0\20	0\20	18\20
	2	5\21	20\20	13\18	0\18
	3a	0\16	14\14	9\13	0\17
	3b	1\20	4\21	12\20	0\19
	3c	3\20	16\20	18\20	0\21
	4	0\21	19\19	10\19	0\20
	5	3\20	20\20	18\21	0\21
	6	0\3	7\8	0\3	0\5
	7	5\6	16\16	4\7	5\16
	8	0\20	3\20	12\19	0\20
	None	19\20	21\22	19\20	16\21

R4 isolate phenotype	1a, 1c, 5, 7
R7 isolate phenotype	1a, 2, 3a, 3c, 4, 5, 6, 7
R17 isolate phenotype	1b, 1d, 2, 3, 4, 5, 6, 7, 8
R25 isolate phenotype	1a, 1b, 1c, 1k, 7

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							2010 Reaction		
Test	**Entry #**	**Strain**	**R4**	**R7**	**R17**	**R25**	**R4**	**R7**	**Gene**
UT III	1.	IA3023	20\21	20\20	11\20	16\20	S	S	
UT III	2.	IA3024	0\16	0\15	0\17	11\14	R	R	
UT III	3.	IA3048 (SCN)	18\19	15\20	16\20	8\9	S	S	
UT III	4.	IA4005	13\20	13\20	8\19	18\20	H	H	
UT III	5.	K07-1544	15\16	14\14	13\15	14\16	S	S	
UT III	6.	LD07-4477	15\20	17\19	17\21	17\20			
UT III	7.	LD07-4530	15\20	15\15	14\17	15\16			
UT III	8.	LD07-3419	13\13	19\19	17\20	9\16			
UT III	9.	CL04-10534	6\18	16\18	20\20	13\20	H	H	Rps 3a
UT III	10.	CL04-13234	2\18	15\21	18\19	13\21	R	H	Rps3a
UT III	11.	CL05-3314	0\20	0\20	0\17	18\20	R	R	Rps3a, 1k
UT III	12.	CL05-46116	1\18	15\20	21\21	5\17	R	S	Rps3a
UT III	13.	CL05-202522	0\22	17\22	19\21	1\21	R	S	Rps3a
UT III	14.	LG06-2284	18\20	22\22	0\20	19\21	S	S	
UT III	15.	LG07-2309	20\21	15\17	20\20	11\19	H	S	
UT III	16.	SS05-5096	11\19	6\14	9\11	12\15			
PT IIIA	1.	IA3023	17\21	20\20	17\21	15\20	S	S	
PT IIIA	2.	IA3024	0\18	0\14	1\15	14\16	R	R	
PT IIIA	3.	IA3048 (SCN)	18\20	14\19	6\12	19\20	S	S	
PT IIIA	4.	IA4005	10\20	14\20	4\19	15\20			
PT IIIA	5.	AR09-292078	12\14	18\18	15\17	17\17			
PT IIIA	6.	AR10-306014	18\18	16\18	16\18	18\18			
PT IIIA	7.	AR10-306016	18\18	19\20	9\19	10\17			
PT IIIA	8.	AR10-306021	19\19	18\20	10\16	19\20			
PT IIIA	9.	AR10-306022	10\18	8\17	1\21	19\19			
PT IIIA	10.	AR10-306029	16\17	6\16	15\20	15\16			
PT IIIA	11.	LD08-2355	14\18	18\19	13\18	18\20			
PT IIIA	12.	LD08-5579	17\18	9\18	6\17	16\18			
PT IIIA	13.	LD08-6068a	13\17	14\18	8\16	12\15			
PT IIIA	14.	LD08-8622	3\18	3\20	0\19	20\20			
PT IIIA	15.	HS6-3973R	0\16	0\20	0\19	0\14			
PT IIIA	16.	HS8-3362	0\19	0\20	0\18	0\19			
PT IIIA	17.	HS8-3657	19\20	8\18	0\14	16\18			
PT IIIA	18.	HS8-3664	18\19	17\19	0\19	13\16			
PT IIIA	19.	HS8-3672	18\19	6\18	0\18	16\18			
PT IIIA	20.	HS8W-3	9\18	8\19	0\19	16\19			
PT IIIA	21.	HM09-B019	0\19	0\19	0\20	2\20			
PT IIIA	22.	HM09-W053	0\19	0\20	0\19	0\20			
PT IIIA	23.	SS08-2250	9\16	15\19	10\19	12\18			
PT IIIA	24.	SS08-2558	18\18	16\17	8\19	13\17			
PT IIIA	25.	SS08-2570	9\16	19\20	17\19	17\20			
PT IIIA	26.	SS08-2582	6\19	9\15	16\19	7\16			
PT IIIA	27.	SS08-2588	7\15	16\18	18\18	5\11			
PT IIIA	28.	SS08-3250	10\16	14\17	7\12	8\10			

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Test	Controls	R4	R7	R17	R25
UT III	1a	15\18	19\19	0\19	12\19
PT IIIA	1b	1\15	0\12	8\13	9\13
	1c	19\19	0\20	0\19	18\20
	1d	4\10	0\10	8\9	0\11
	1k	0\20	0\20	0\20	19\19
	2	0\18	17\18	18\20	1\20
	3a	0\14	11\11	7\9	1\13
	3b	0\19	1\19	19\20	1\20
	3c	0\18	2\20	15\20	0\20
	4	0\19	19\19	1\19	0\20
	5	1\20	19\19	12\20	1\20
	6	0\6	9\9	5\7	0\11
	7	12\13	14\14	8\14	11\13
	8	0\17	0\19	17\17	0\20
	None	18\19	18\19	17\18	17\20

R4 isolate phenotype	1a, 1c, 5, 7
R7 isolate phenotype	1a, 2, 3a, 3c, 4, 5, 6, 7
R17 isolate phenotype	1b, 1d, 2, 3, 4, 5, 6, 7, 8
R25 isolate phenotype	1a, 1b, 1c, 1k, 7

							2010 Reaction		
Test	Entry #	Strain	R4	R7	R17	R25	R4	R7	Gene
PT IIIB	1.	IA3023 (III)	17\17	18\18	14\21	16\20	S	S	
PT IIIB	2.	IA3024	0\15	1\12	0\15	6\14	R	R	
PT IIIB	3.	IA3048 (SCN)	10\16	14\18	3\25	16\17	S	S	
PT IIIB	4.	IA4005	11\20	11\18	11\9	5\19			
PT IIIB	5.	LG09-7250	19\20	16\16	12\15	x			
PT IIIB	6.	LG09-7356	18\18	0\18	0\18	x			
PT IIIB	7.	LG09-7464	17\17	17\18	17\18	0\12			
PT IIIB	8.	LG09-7547	9\17	0\18	0\19	0\17			
PT IIIB	9.	LG09-8545	0\18	0\16	0\18	x			
PT IIIB	10.	LG09-8556	16\16	18\18	0\18	4\15			
PT IIIB	11.	LG09-8615	18\19	20\20	18\20	5\16			
PT IIIB	12.	LG09-8656	18\19	12\20	6\20	1\17			
PT IIIB	13.	U08-421030	15\20	15\17	13\18	0\11			
PT IIIB	14.	U08-422034	5\15	7\18	17\17	2\16			
PT IIIB	15.	U09-106010	1\19	18\21	18\18	1\11			Rps
PT IIIB	16.	U09-230069	19\19	20\20	18\20	0\11			Rps 1k
PT IIIB	17.	U09-303114	11\19	15\19	3\20	0\13			Rps
PT IIIB	18.	U09-316112	19\19	20\20	17\19	0\5			R
PT IIIB	19.	U09-406141	19\20	16\17	14\15	1\5			
PT IIIB	20.	U09-407147	0\19	0\19	0\18	2\10			Rps1k
PT IIIB	21.	U09-407151	0\19	0\19	1\20	3\12			Rps1k
PT IIIB	22.	U10-423056	18\18	19\19	18\19	6\17			
PT IIIB	23.	U10-425065	20\20	0\19	0\21	0\12			
PT IIIB	24.	U10-429063	21\21	20\20	17\20	6\15			
PT IIIB	25.	U10-430057	0\16	0\16	0\18	0\12			Rps
PT IIIB	26.	U10-433058	18\18	16\18	18\20	9\19			Rps
PT IIIB	27.	U10-441064	20\21	1\19	16\20	5\15			Rps

2011 Soybean Phytophthora Rps Gene Evaluation-Indiana

Test	Controls	R4	R7	R17	R25
PT IIIB	1a	6\15	14\17	0\18	2\17
	1b	0\11	0\14	7\12	2\6
	1c	15\19	0\20	0\19	3\10
	1d	0\7	0\12	2\7	0\7
	1k	0\19	0\21	0\19	3\19
	2	0\20	14\20	15\18	0\20
	3a	0\16	15\16	11\14	0\8
	3b	0\20	1\19	16\20	0\20
	3c	0\20	1\19	18\20	x
	4	0\19	14\17	11\19	2\15
	5	2\20	17\19	14\19	0\20
	6	0\7	3\5	3\8	0\4
	7	12\15	10\13	12\17	x
	8	0\19	0\18	16\20	x
	None	19\20	19\20	18\20	2\12

R4 isolate phenotype	1a, 1c, 5, 7
R7 isolate phenotype	1a, 2, 3a, 3c, 4, 5, 6, 7
R17 isolate phenotype	1b, 1d, 2, 3, 4, 5, 6, 7, 8
R25 isolate phenotype	1a, 1b, 1c, 1k, 7

							2010 Reaction		
Test	**Entry #**	**Strain**	**R4**	**R7**	**R17**	**R25**	**R4**	**R7**	**Gene**
UT IV	1.	LD00-3309 (IV)	17\17	16\20	19\19	7\16	S	S	
UT IV	2.	IA4005	15\20	10\20	5\21	4\19			
UT IV	3.	LD00-2817P (L)	18\18	18\19	17\19	0\15	S	S	
UT IV	4.	CL05-46330	0\20	12\19	19\19	0\14	R	S	Rps3a
UT IV	5.	CL05-61413	12\21	10\19	16\20	4\16	R	S	
UT IV	6.	K07-1253	16\16	21\22	19\20	x	S	S	
UT IV	7.	K08-5258	12\16	15\15	13\17	8\15	S	S	
UT IV	8.	K08-5718	5\15	0\17	0\15	11\16	H	R	
UT IV	9.	K08-6067	14\16	0\12	0\14	12\18	S	R	
UT IV	10.	K08-6247	1\18	0\14	0\16	19\20	R	R	
UT IV	11.	LD06-7609	12\20	19\20	13\15	11\18	S	S	
UT IV	12.	LD06-7620	8\18	20\20	17\20	17\17	S	H	
UT IV	13.	LD06-8970	5\13	16\16	15\18	16\18			
UT IV	14.	LD07-3823	11\20	17\19	17\20	14\21			
UT IV	15.	LS07-1343	18\19	20\20	11\17	13\20	S	S	
UT IV	16.	LS07-1934	16\19	18\18	12\20	1\17			
UT IV	17.	LS07-1942	7\15	15\17	14\18	2\16	R	R	
UT IV	18.	LS07-2935	10\19	17\18	18\20	1\19			
UT IV	19.	LS07-3125	16\20	19\20	19\20	3\20	S	R	
UT IV	20.	LS07-3131	15\20	17\20	15\17	3\19			
UT IV	21.	SS05-5632	0\14	0\14	0\15	11\18	R	R	
UT IV	22.	SS05-5633	0\11	0\15	0\20	1\12	R	R	
UT IV	23.	SS05-5646	19\19	0\12	0\18	4\16	S	R	
UT IV	24.	SS06-5510	0\19	0\13	0\13	9\16			
UT IV	25.	SS06-5658	0\16	0\17	0\16	12\18			
UT IV	26.	SS06-6869	15\15	14\14	16\17	10\14	S	S	
UT IV	27.	TN-05-3027	15\16	20\20	13\16	11\17	S	S	

2011 Soybean Phytophthora Rps Gene Evaluation-Indiana

Test	Controls	R4	R7	R17	R25
UT IV	1a	16\17	16\16	3\25	8\18
	1b	0\15	0\14	6\10	5\13
	1c	5\10	0\17	0\19	16\18
	1d	1\12	0\13	3\7	0\14
	1k	0\18	0\17	0\19	17\18
	2	0\17	17\17	13\20	3\16
	3a	0\9	11\11	8\13	0\14
	3b	1\18	13\18	10\20	1\18
	3c	0\18	4\18	10\20	1\18
	4	0\10	19\19	5\20	0\18
	5	2\18	18\18	8\19	2\18
	6	0\6	7\7	0\2	0\12
	7	10\15	14\14	4\12	10\14
	8	0\20	1\20	11\19	0\20
	None	19\20	18\19	14\20	17\20

R4 isolate phenotype	1a, 1c, 5, 7
R7 isolate phenotype	1a, 2, 3a, 3c, 4, 5, 6, 7
R17 isolate phenotype	1b, 1d, 2, 3, 4, 5, 6, 7, 8
R25 isolate phenotype	1a, 1b, 1c, 1k, 7

							2010 Reaction		
Test	Entry #	Strain	R4	R7	R17	R25	R4	R7	Gene
PT IV	1.	LD00-3309	13\19	17\19	19\20	17\19	S	S	
PT IV	2.	IA4005	6\16	10\18	12\19	10\21	S	S	
PT IV	3.	LD00-2817P (L)	18\20	19\19	17\20	17\19	S	S	
PT IV	4.	CS07-200932	12\20	19\20	11\20	0\20			
PT IV	5.	CS07-201827	9\20	19\19	12\19	0\20			
PT IV	6.	CS07-202315	7\18	19\19	14\19	2\20			
PT IV	7.	K09-4157	7\16	17\17	14\16	12\20			
PT IV	8.	K08-6221	0\17	0\15	0\20	1\11			
PT IV	9.	K08-6236	0\11	0\17	0\18	4\13			
PT IV	10.	K09-1614	9\12	16\16	8\16	8\15			
PT IV	11.	K09-2475	1\11	4\15	3\12	12\16			
PT IV	12.	K09-4069	0\18	17\17	5\13	1\20			
PT IV	13.	LG08-4227	x	16\20	0\20	14\18			
PT IV	14.	LG09-8515	0\18	0\18	0\21	0\18			
PT IV	15.	LG09-8526	0\20	0\19	0\19	0\19			
PT IV	16.	LG09-8542	0\20	0\20	0\19	0\21			
PT IV	17.	LG09-8595	10\20	19\19	13\19	11\20			
PT IV	18.	LS08-3120	0\19	0\20	0\19	7\19			
PT IV	19.	LS08-4141	14\19	12\17	10\15	4\19			
PT IV	20.	LS08-4348	10\20	14\19	7\18	4\19			
PT IV	21.	LS08-4418	12\19	14\17	11\20	1\19			
PT IV	22.	LS08-4542	9\15	11\19	9\15	0\14			
PT IV	23.	LS08-4637	10\18	12\17	9\17	7\18			
PT IV	24.	LS08-5837	12\19	11\8	9\16	4\17			
PT IV	25.	LS08-4941	12\19	0\17	0\17	1\18			
PT IV	26.	LS08-5515	12\20	18\20	14\16	4\19			
PT IV	27.	S08-15072	5\13	13\13	3\15	1\15			
PT IV	28.	S09-10273	18\20	20\20	15\18	7\21			

2011 Soybean Phytophthora Rps Gene Evaluation-Indiana

Test	Entry #	Strain	R4	R7	R17	R25	2010 Reaction R4	2010 Reaction R7	Gene
PT IV	29.	S09-10300	18\19	15\15	10\12	8\17			
PT IV	30.	SS07-15994	3\15	16\17	4\15	0\15			
PT IV	31.	SS07-16355	10\13	20\20	5\15	1\16			
PT IV	32.	SS07-18091	6\15	0\20	0\19	0\14			
PT IV	33.	SS08-3196	19\20	20\20	3\17	2\15			
PT IV	34.	SS08-3272	10\13	12\14	15\16	7\19			
PT IV	35.	SS08-3273	10\19	15\19	9\15	1\16			
PT IV	36.	SS08-3279	14\20	18\20	16\16	3\17			
PT IV	37.	Md-08-5816	13\13	18\18	15\18	0\17			
PT IV	38.	Md-0809WN 100	13\19	0\21	0\20	0\19			
PT IV	39.	Md-0809WN 121	12\18	19\19	14\20	0\17			

Test	Controls	R4	R7	R17	R25
PT IV	1a	16\17	17\19	0\20	6\19
	1b	0\12	0\15	6\16	3\11
	1c	11\17	0\20	0\19	6\19
	1d	0\9	0\8	3\11	1\7
	1k	0\18	0\20	0\19	8\19
	2	2\18	17\20	5\10	0\18
	3a	0\14	12\12	3\8	0\18
	3b	0\21	0\20	3\16	0\23
	3c	0\21	3\20	11\18	0\20
	4	0\19	13\17	1\20	0\19
	5	1\21	19\20	4\17	0\20
	6	0\4	6\8	0\4	0\4
	7	14\15	16\16	8\13	3\12
	8	0\18	0\19	2\18	0\20
	None	12\20	18\19	7\20	11\21

R4 isolate phenotype	1a, 1c, 5, 7
R7 isolate phenotype	1a, 2, 3a, 3c, 4, 5, 6, 7
R17 isolate phenotype	1b, 1d, 2, 3, 4, 5, 6, 7, 8
R25 isolate phenotype	1a, 1b, 1c, 1k, 7

Test	Entry #	Strain	R4	R7	R17	R25	2010 Reaction R4	2010 Reaction R7	Gene
UT IRR	1.	SD1161RR/(SCN)	14\20	14\20	20\20	17\19	H	H	
UT IRR	2.	SD1111RR (E)	14\20	18\20	0\20	12\18	S	S	
UT IRR	3.	U03-820038 (SCN)	17\19	0\20	0\18	12\18	S	R	
UT IRR	4.	AG2002	16\19	1\20	0\19	15\19	S	R	
UT IRR	5.	M00-530039	19\20	16\17	14\17	15\18	S	S	Rps1
UT IRR	6.	M05R-601001	1\20	0\19	0\20	13\19			Rps1c
UT IRR	7.	M05R-615082	0\20	0\20	0\20	1\20			Rps8?
UT IRR	8.	M06R-150044	14\20	17\18	0\20	11\19			Rps1a
UT IRR	9.	M06R-152009	5\20	5\19	0\20	16\19			Rps1a
UT IRR	10.	U07-135601R	1\19	0\20	0\20	18\20	R	R	

2011 Soybean Phytophthora Rps Gene Evaluation-Indiana

Test	Entry #	Strain	R4	R7	R17	R25	2010 Reaction R4	2010 Reaction R7	Gene
UT IIRR	1.	AG2403 (II)	2\18	0\17	0\17	13\18	R	R	
UT IIRR	2.	AG2002	14\20	0\20	0\20	14\19	S	R	
UT IIRR	3.	AG2606	9\16	0\19	0\17	16\17	R	R	
UT IIRR	4.	NEX2905A0R (L)	17\18	18\20	16\18	15\17	S	S	
UT IIRR	5.	U06-814223R	1\18	0\20	2\19	15\16	R	R	
UT IIRR	6.	U07-135636R	0\18	0\19	6\19	16\19	R	R	
UT IIRR	7.	U07-236940R	0\20	0\19	0\19	16\19	R	R	
UT IIIRR	1.	U03-827101 (SCN)	17\20	0\20	5\20	19\20	S	R	
UT IIIRR	2.	NEX2905A0R (E)	14\18	17\19	18\20	14\17	S	S	
UT IIIRR	3.	AG3504	4\19	0\20	0\18	18\19	S	R	
UT IIIRR	4.	AG3803	4\18	0\20	0\16	16\18	S	R	
UT IIIRR	5.	K08-2509 RR	4\18	19\20	9\16	0\16	S	S	
UT IIIRR	6.	K08-2528 RR	0\16	17\17	8\16	0\16	H	S	
UT IIIRR	7.	S08-8467	15\15	17\17	2\15	15\19	S	S	
UT IIIRR	8.	U05-826080R	1\17	0\20	2\18	14\15	R	R	Rps?
UT IIIRR	9.	U08-926022R	13\17	0\19	0\20	8\19	S	R	

Test	Controls	R4	R7	R17	R25
UT IRR	1a	14\19	19\20	0\20	14\19
UT IIRR	1b	0\16	0\16	5\12	12\16
UT IIIRR	1c	14\18	0\20	0\19	14\19
	1d	0\13	0\11	9\14	0\8
	1k	0\16	0\20	0\20	19\20
	2	1\20	20\20	16\19	1\20
	3a	0\12	15\15	12\13	0\13
	3b	0\20	0\20	20\20	0\20
	3c	0\20	1\18	20\20	0\17
	4	0\20	19\19	15\19	0\19
	5	3\20	21\21	18\20	1\20
	6	1\10	9\11	6\8	0\7
	7	12\15	15\16	15\19	10\15
	8	0\18	0\19	12\17	0\20
	None	18\19	20\20	17\20	19\20

R4 isolate phenotype	1a, 1c, 5, 7
R7 isolate phenotype	1a, 2, 3a, 3c, 4, 5, 6, 7
R17 isolate phenotype	1b, 1d, 2, 3, 4, 5, 6, 7, 8
R25 isolate phenotype	1a, 1b, 1c, 1k, 7

IDENTIFICATION OF PARENT STRAINS 2011

Strain	Parentage
A1	Anoka x Mack
A4	L15 x AP68-1016
A8	A4 x Century
A13	Selection from AP9 Fe (S 1) C7
A29	1%-linolenic plant selection developed by Iowa State Uiversity
A55-5629-4	Roanoke x Hawkeye
A72-507	Amsoy x Wayne
A72-512	Amsoy x Wayne
A76-304020	(Beeson x AP68-1016) x (L15 x Calland)
A79-136012	Pride B216 x Land 0' Lakes 4102
A80-244003	NK S1492 x Pella
A81-356022	Century x A76-304020
A86-301024	A81-356022 x Hack
A87-395012	Fayette x Asgrow A3659
A89-269039	Low Linolenic Acid line from Iowa State
A91-701035	A86-301024 x DeKalb 226
A92-525004	IA2008 x Kenwood
A92-535029	
A94-770314	Pioneer P9303 x A87-395012
A95-485020	(Pioneer 7273 x A13) x Jack
A95-682026	
A96-492041	NKS24-92 x NKS19-90
A96-591033	IA3003 x Pioneer P9273
A97-553018	Pioneer YB280 x (Pioneer YB280 x A29)
A97-871009	NKS20-12 x (A92-535029 x IA2021)
A00-711013	AP1953 x LN94-10470
A00-711022	A95-485020 x IA2036
A00-882130	
A02-136021	NE1900 x Pioneer XB28V99
A02-136030	NE1900 x Pioneer XB28V99
A02-381046	A97-553018 x XB27U01
A02-381100	IA2064 x XB27U01
A04-545045	Pioneer 93B86 x A00-711022
A14743B002	1% Linolenic Acid Line
Agripro AP1953	Unknown
AgriPro 98180-A01-06131	
Agripro 98620-B01-51163	
AP68-1016	Clark (5) x PI 84.946-2
AR02-101001	Pioneer P9233 x A96-591033
AR03-161009	(PI 507354 x Marcus) x IA1008
AR03-163008	Ripley x IA1008
AR03-361065	IA1008 x Ripley
AR03-263051	LS90-1920 x IA1008
AR04-874013	Pioneer P9233 x A95-682026
AR04-874018	Pioneer P9233 x A95-682026
AR04-874024	(Pioneer 9233 x (Pioneer 9273 x (Jacques J231 x A8)
AR05-150109	S25-J5 x IA2050
AR05-250117	Hei-lung x Loda
A00-882130	
AR03-161009	((PI 507354 x Marcus) x IA1008)
AR03-263051	LS90-1920 x IA1008
Asgrow A1564	Hark x C1453

IDENTIFICATION OF PARENT STRAINS 2011

Strain	Parentage
Asgrow A2234	[(Calland x Amsoy) x (Century(3) x Williams82)]
Asgrow A2506	
Asgrow A2943	Asgrow A1564 x Asgrow A3127
Asgrow A3017	
Asgrow A3127	Williams x Essex
Asgrow A3659	Williams x Essex
Asgrow A3860	Williams x Essex
Asgrow A3935	MO474C x Asgrow A3127
Asgrow A4009	Asgrow A3860 x Fayette
Asgrow A4138	Asgrow A4595 x Asgrow A4009
Asgrow A4595	Douglas x Asgrow A3127
Asgrow A5475	(Tracy x d5064) x Bedford
AX56P64-1	Adams x Harosoy
AXN1-55	Asgrow A2506 x Syngenta S19-90
C1079	Lincoln x Ogden
C1253	Blackhawk x Harosoy
C1266R	Harosoy x C1079
C1453	C1266R x C1253
C1640	Low Linolenic acid EMS derivative of Century
C1954	
CL0J173-6-2	Kottman x Dwight
CL0J173-6-8	Kottman x Dwight
CL0J177-9	Kottman x IA3011
CRS3	Recurrent Selection population for high seed protein
CR03-540	
CX1538-70-11-1	Low Palmitic Acid line from J. R. Wilcox
CX1834-1-2	Athow x M153-1-4-6-14
CX1834-1-6	Athow x M153-1-4-6-14
Dairyland 99540	
Dairyland 99733	
Dairyland 99805	
Dairyland DSR 304	Williams x Unknown
Dekalb 339c	
Dekalb 411	
Dekalb 420c	
GarstAgripro b99-17498	
Golden Harvest 24040	
Golden Harvest H-2632	
Golden Harvest H2885	
HC99-2846	DPL3478 x Stressland
HF01-0821	Pioneer 9392 x HF92-080
HF92-080	HS84-6224 x Resnik
HS0-3243	HS93-4118 x Kottman
HS1-3661	HS93-4118 x P9352
HS84-6224	HW790152 x HW79149
HS84-6276	Harper (3) x Williams 82
HS90-3487	HS84-6276 x Conrad
HS93-4118	IA 2007 x DSR 304
HS98-7826	HS93-4118 x Savoy
HW79015	A72-512 x Oakland
HW79149	(A72-5076 x A1) x (A72-5075 x PI 82263-2)
IVR 1120	Provar x (AX56P64-1 x PI 191.110-1)

IDENTIFICATION OF PARENT STRAINS 2011

Strain	Parentage
KG20	McCall x 2S11
K1454	KS4694 x HS90-3487
K1599	
K99-14	IA3010 x STS line fromDupont
K03-2897	K1454 x HS93-4118
K03-2399	K99-14 x SS96-10704
Land O' Lakes 4102	[Wayne x (Clark x Adams)] x Cutler
L15	Wayne (6) x Clark 63
L57-0034	Clark x Adams
L66L-154	Wayne x L57-0034
L73-4673	Corsoy x L66L-154(Williams sib)
L77-994	Williams x PI 88.788
L78-189	Corsoy x Kingwa
L85P-558	L73-4673 x Fayette
LD00-2817	Ina x Dwight
LD00-4970	Maverick x Dwight
LD01-5907	Ina x IA3010
LD01-7323	LN95-5454 x Dwight
LD02-4485	M90-184111 x IA3010
LD02-5320	IA2052 x Dwight
LD03-8073	LN95-6415 x IA2050
LD05-16521	Loda(4) X (Dowling x Dwight)
LD05-16638	Dwight(3) x (Dowling x Loda)
LG00-3372	PI 561.319A x PI 574.477
LG00-6182	PI 561319A x PI 574477
LG00-6293	
LG00-6715	LG92-1350 x Macon
LG00-8298	PI 574477 x PI 561377
LG00-8301	PI 574477 x PI 561377
LG01-4168	LG94-1098 x Cisne
LG01-4918	Macon x PI 507295
LG01-7728	F4 Williams 82 x (F1 Williams x PI 479767)
LG01-7812	Williams 82 X (F1 Williams X PI 483461)
LG02-3733	LG94-1133 x LG92-1255
LG02-3922	LG95-5737 X Pana
LG02-4042	Macon (2) x PI 91091
LG02-4198	LG94-1133 x LG93-7654
LG03-3780	
LG05-1311	IA 2052 x LG01-5201
LG05-2887	H2885 x LG00-8301
LG05-3685	LG00-7196 x S42-H1
LG06-4526	MD Selection
LG06-4702	MD Selection
LG84-1291	PI 68522 x Hobbit
LG85-2534	PI 227333 x PI 290126B
LG85-2846	PI 404157 x PI 384469A
LG85-3343	PI 361064 x PI 407710
LG86-2734	PI 424195B x PI 361066A
LG87-1991	PI 189930 x PI 68600
LG88-8958	PI 253665D x PI 283331
LG89-771	LG85-3343 x LG85-2846
LG89-7793	PI 391594 x Century

IDENTIFICATION OF PARENT STRAINS 2011

Strain	Parentage
LG92-1255	LG84-1291 x A3127
LG92-1350	LG85-3343 x Ripley
LG93-7654	LG86-2734 x A3205
LG94-1098	LG85-2534 x LG85-3343
LG94-1133	LG85-3343 x LG87-1991
LG95-5737	PI 427099 X PI 445830
LG97-9301	LG89-7793 x LG88-8958
LG98-1605	LG88-8958 x LG89-771
LN94-10470	Jack x Hartwig
LN95-6415	Jack x Iroquois
LN95-5724	Jack x IA3003
LN95-15740	Jack x Hartwig
LN97-15076	Macon x Stressland
LNX97164-35	LN95-15740 x Pana
LS00-4221	LS92-3660 x Asgrow 4138
LS00-6996	TN91-55 x Dekalb 411
LS01-1158	LS92-4173 X Dekalb 339c
LS01-1734	LS93-0375 x IA3005
LS01-1804	LS93-0375 x IA3005
LS01-3450	LS93-0375 x Dekalb 420c
LS01-1987	
LS90-1920	Jack x Iroquois
LS93-0375	Asgrow A3935 x Pioneer P9402
LS97-3617	Flyer x Asgrow 4138
LS98-0582	Northrup King S46-44 x Asgorw A4138
M0835	IVR 1120 x Calland
M10	Lincoln(2) x Richland
M153	M153 mutant line.
M30121	
M42-37	Lincoln(2) x Richland
M53-117	M10 x PI 180.501
M54-139	Renville x Capital
M54-240	Korean x M42-37
M59-120	M54-240 x M54-139
M61-224	Merit x Harosoy
M63-64	M74-227 x L78-189
M63-194	Corsoy x PI 132.207
M63-217Y	Corsoy x M53-117 (Yellow hilum sib of Hodgson
M68-49	Evans x M54-120
M68-49-26	Evans x M59-120
M70-294	PI 358.323 x M63-217Y
M71-148	Clay x Evans
M73-62	M61-224 x PI 297.518
M74-23	M68-49 x Hodgson
M74-227	M68-49 x M63-194
M81-27	M68-49-26 x M70-294
M84-93	M71-148 x Ozzie
M83-442	M71-148 x Peterson 0877
M83-766	Evans x 1474-394
M84-93	M71-148 x Ozzie
M84-916	A79-136012 x Dawson
M85-52	M73-62 x Simpson

IDENTIFICATION OF PARENT STRAINS 2011

Strain	Parentage
M86-421	M74-23 x Gnome
M86-1973	
M87-1709	Ozzie x C1640
M90-184111	L85P-558 x M86-1973
M90-162034	Burlison x M84-93
M91-564	Ozzie x M86-421
M91-821	M83-766 x Leslie
M91-895	M81-27 x M85-52
M91-116124	Faribault x Archer
M92-59	Kato x PI467313
M92-119	Sturdy x PI361088B
M92-674	Agassiz x Ozzie
M92-1708	Kato x Bell
M95-305-31	CX1538-70-11-1 x M92-119
M95-306-104	CX1538-70-11-1 x M92-119
M96-746-4-2	Agassiz x F2 M95-306-104
M96-71481	
M96-136016	M90-162034 x IA2021
M96-136086	ND(M)90-370(2) x Resnik
M96-355009	M91-116124 x MN1301
M96-356062	M92-674 x M92-1708
M97-121138	MN0302 x Pioneer 9004
M97-136016	M90-162034 x IA2021
M97-357138	IA1006 x Surge
M98-134022	Lambert x Hartwig
M99-103172	IA2021 x M96-746-4-2
M99-286047	IA1008 x Pioneer 9234
M00-111179	MN0902CN x MN0302
M00-516048	MN0302 x MN1004SP
M01-139011	CX1834-1-6 x MN0302
M02-466298	MN1103SP x A14743B002
M02-466342	MN1103SP x A14743B002
MN1004SP	Lambert x F2 M95-305-31
MN1103SP	A89-269039 x M87-1709
MSBP6S4	Male-sterile intermated population
MTC00-113-54-3	NTCPR94-5157 x MN0302
MTC00-115-74-7	N96-6809 x MN0302
MTC00-113-30-9	NTCPR94-5157 x MN0302
MTCPR94-5157	Davis x N73-1102
MD03-5453	MD96-5722 x CX1834-1-2
MD96-5722	
Md99-173-11(-X)	unknown (low palmitic)
N70-2173	Hampton x Ransom
N73-1102	Tracy x Ransom
N77-114	Esses x N70-2173
N90-7199	N77-114 x PI416937
N90-7202	N77-114 x PI416937
N96-6806	N90-7202 x N90-7199
N98-7165	
NE1900	PI614833
ND(M)90-370(2)	M81-27 x M83-16
ND00-2765	M91-895 x ND93-5849

IDENTIFICATION OF PARENT STRAINS 2011

Strain	Parentage
ND01-1690	Pioneer 9092 x ND95-958
ND01-2006	Proto x Norpro(Rps6)
ND01-2621	ND95-952 x P.9004
ND01-3533	IA1009 x ND95-952
ND01-3559	Pioneer 91B01 x ND92-2381
ND01-3739	ND95-952 x A96-492041
ND01-4249	Pioneer 9092 x ND95-958
ND02-2559	ND95-958 x Council
ND88-800	Maple Amber x Evans
ND92-2381	M83-64 x Pioneer 9061
ND93-5849	KG20 x Maple Donovan
ND95-1564	Parker x P.9061
ND95-952	ND88-800 x Pioneer 9092
ND95-958	ND88-800 x Pioneer 9093
ND99-2169	M91-564 x Pioneer 9092
Northrup King S1346	A55-5629-4 x PI 257.435
Northrup King S1492	Corsoy x Wayne
Northrup King S15-50	[Mack x Corsoy x Pride B216(2)] x (NKS1492 x Lee74)
Northrup King S19-90	Pride B216 x Pella
Northrup King S20-12	
Northrup King S24-92	Asgrow A3127 x [(IVR 1120 x Calland) x (Mitchell x Cutler 71))
Northrup King S46-44	Asgrow A5474 x Asgrow A3127
OAC 97-01	KG20 x OAC Exeter
OAC 97-07	Y3916F38 x M84-916
OAC 00-17	A92-525015 x OAC Vision
OAC 01-26	OAC 96-06 x M91-821
OAC 02-31	OAC Stratford x OAC97-07
OAC 03-07	OAC 97-01 x OAC Walton
OAC 05-21	OT99-2 x OAC00-17
OT89-18	Maple Arow x X881-57
OT99-2	{(Bravor x RAGT86L579) x AC Harmony}
OX99128	Rps8 line from Ohio
Peterson 0877	(Clark x Chippewa 64) x Corsoy
Pioneer 91B01	Asgrow A2234 x Pioneer 9061
Pioneer 92B12	Unknown
Pioneer 93B82	Unknown
Pioneer 93B86	Unknown
Pioneer P9004	M83-442 x McCall
Pioneer P9061	Wells x Pioneer 1677
Pioneer P9071	Pioneer P9061 x Pioneer P9181
Pioneer P9181	Beeson x Williams
Pioneer P9092	Pioneer 9061 x NKS15-50
Pioneer P1677	Rampage x Corsoy(2)
Pioneer P9233	CM293 x ST2250
Pioneer P9234	SCN Res line (from Peking)
Pioneer P9273	Pioneer 2981 x Asgrow A3127
Pioneer P9281	Hark x (Corsoy x Calland)
Pioneer P9303	Pioneer P2981 x M0835
Pioneer P9362	Asgrow A2943 x Asgrow A5474
Pioneer P9402	(L77-994 x Asgrow A3127) x L77-994
Pioneer XB28V99	
Pioneer YB280	

IDENTIFICATION OF PARENT STRAINS 2011

Strain	Parentage
Pride B152	Northrup King S 1346 (6) x Mack
Pride B216	Corsoy x Wayne
PRO 25-53	unknown
S25-J5	unknown
S04-10364	PI line x AP4882
S04-5969RR	[N90-516 x (MD83-5008 x Hartwig)] x [(Delsoy 5500 (4) x RR) x P1]
SD93-954	Kasota x Kato
SD96-135-3	
SD99-36	
SD99-469	SD93-954 x Marcus 95
SD99-700	SD93-954 x Elgin 87
SDX98-74151	IA 2034 x C1954
SG4460NRR	
SN98-3905	
SS95-15348	
SS96-10704	
SS98-7851	Pioneer P9362 x Magellan
SS02-8173	
SS02-161523	
SST01-1918	
SST02-12792	
ST02-13025	
Soygenetics F35815C	
Soygenetics F40355C	
SS95-15348	
SS96-10704	
Syngenta 03JR321086	
Syngenta 03KL016094	
Syngenta 03RM893902	
Syngenta 05KE307696	
Syngenta S18-N5	
Syngenta S19-90	Pride B-216 x Pella
Syngenta WW115926	
TN4-86	
TN83-67	
TN91-55	TN4-86 x TN83-67
U96-1612	Parker x Saturn
U96-3601	Saturn x A91-701035
U97-207904	
U98-311442	A94-773014 x Bell
U99-009019	MSBP6S4
U99-507030R	NE3001 x AGH33701
U00-429037	U6-1612 x U96-3601
U00-433038	
U01-190127	
U01-190311	NE1900 x A97-871009
U01-290680	NE3001 x HOL-833
U01-390489	IA1008 x NE3001
U02-242055	NE1900 x Pioneer 93B82
U02-341563	NE3400 x Pioneer 93B82
U03-200238	NE3202 x P92B12
U03-200317	U99-009019 x P92B12

IDENTIFICATION OF PARENT STRAINS 2011

Strain	Parentage
U03-300134	NE3202 x NE2802
U03-400435	P92B12 x U97-207904
U03-130145R	AAK 2501 MOR x U99-507030R
UP3YC3S3:7	G. Graef Intermated Population
X881-57	unknown
X-33802	unknown
2S11	059-903 x Hardome
059-903	PI 438.471
435.TCS	From Schillinger Seed Co.
133515	133220 x Pioneer P93B82
0D032-3118	
XB27U01	unknown

2011 DISEASE, SHATTERING, AND DESCRIPTIVE DATA

Location		Tests Conducted By:	Tests	UT	PT	UT RR
IA	Humboldt	W. Fehr / K. Scholbrock	Fe Chlorosis	I-III		
IL	Manito	C. Schmidt	SDS	I-II, IV		I-II
	Urbana	B. Diers / T. Cary	Shattering Score	II	II-III	
	Urbana	T. Cary	SCN HG Types Score	00-IV	0-IV	II-III
IN	Lafayette	T. Hughes / T. Fleury	PR 4, PR 7, PR 17, PR 25	00-IV	0-IV	I-III
	Lafayette	W. Crochet	Descriptive Code	00-IV	0-IV	I-III
	Lafayette	W. Crochet	Green Stem	I-III		
	Wanatah	W. Crochet	Green Stem	II		I-III
KS	Ashland	W. Schapaugh Jr.	Shattering Score	III-IV	III-IV	III
	Manhattan	W. Schapaugh Jr.	Shattering Score	00-II	0-II	I-II
KY	Lexington	C. Venard	Green Stem	IV		
MN	Danvers	J. H. Orf	Fe Chlorosis	00-II	0-I	I-II
OH	S. Charleston	L. McHale	Green Stem	III-IV	III	
	Ohio State Univ.	Anne Dorrance	PR	II-III	II-III	II-III
ONT	Dundalk	I. Rajcan / W. Montiminy	Green Stem, Shattering	00		
	Elora	I. Rajcan / W. Montiminy	Green Stem, Shattering	00		
	St. Pauls	I. Rajcan / W. Montiminy	Green Stem, Shattering	0	0	
	Woodstock	I. Rajcan / W. Montiminy	Green Stem, Shattering	0	0	
QUE	St. Mathieu	L. O'Donoughue	Green Stem	0	0	
TN	Jackson	P. Arelli / L. Fritz	Green Stem	IV		

2011 UNIFORM AND PRELIMINARY TEST LOCATIONS

Location		Tests Conducted By:	Uniform Tests						Preliminary Tests					Uniform Tests RR		
			00	0	I	II	III	IV	0	I	II	III	IV	I	II	III
IA	Eldora	W. Fehr			X											
	Charles City	W. Fehr			X											
	Rippey	W. Fehr				X										
	Carlisle	W. Fehr				X	X									
	Greenfield	W. Fehr					X									
	Kanawha	S. Cianzio			X					X						
	Burkey Farm (Ames)	S. Cianzio				X					X					
	Crawfordsville	S. Cianzio					X					X				
IL	Dekalb	B. Diers/T. Cary				X										
	Harrisburg	S. Kantartzi/J. Klein						X					X			
	Arthur	B. Diers/T. Cary					X									
	Urbana	B. Diers/T. Cary				X	X	X			X	X	X		X	X
	Brownstown	B. Diers/T. Cary						X								
IN	Lafayette	W. Crochet			X	X	X	X		X	X	X	X	X	X	X
	Wanatah	W. Crochet			X	X	X							X	X	X
	Butlerville	W. Crochet											X			
KS	Ashland	W. Schapaugh Jr.					X	X				X	X			X
	Manhattan	W. Schapaugh Jr.						X				X*	X			
	Ottawa	W. Schapaugh Jr.					X	X								X
KY	Lexington	C. Venard						X								
MAN	Morden	A. Sloan	X													
MD	Queenstown	W. Kenworthy											X			
MI	Saginaw Co.	D. Wang / J. Boyse			X									X		
	Ingham Co.	D. Wang / J. Boyse			X	X				X	X			X	X	
	Lenawee Co.	D. Wang / J. Boyse				X									X	
MN	Crookston	J. Orf	**X**													
	Lamberton	J. Orf			**X**	**X**				**X**				**X**	**X**	
	Moorhead	J. Orf	**X**													
	Morris	J. Orf		**X**					**X**							
	Rosemount	J. Orf														
	Shelly	J. Orf	**X**													
	Waseca	J. Orf			**X**	**X**				**X**				**X**	**X**	
MO	Columbia	K Clark					X	X				X	X			
	Portageville (Clay)	G. Shannon					X	X					X			X
	Portageville (Loam)	G. Shannon					X	X								X

2011 UNIFORM AND PRELIMINARY TEST LOCATIONS

Location		Tests Conducted By:	Uniform Tests						Preliminary Tests					Uniform Tests RR		
			00	0	I	II	III	IV	0	I	II	III	IV	I	II	III
NE	Beemer	G. Graef / L.Korte			X	X				X	X			X	X	
	Cotesfield	G. Graef / L.Korte			X	X				X	X				X	
	Lincoln	G. Graef / L.Korte					X					X				X
	Phillips	G. Graef / L.Korte			X	X	X			X	X	X		X	X	X
	Clay Center	G. Graef / L.Korte					X					X				X
ND	Northwood	T. Helms	**X**													
OH	Hoytville	L. McHale/McIntyre				X	X				X	X				
	Wooster	L. McHale/McIntyre				X	X									
	St. Charleston	L. McHale					X	X				X				
ONT	Chatham	I. Rajcan/D. Fischer				**X**					**X**					
	Dundalk	I. Rajcan	**X**													
	Elora	I. Rajcan	**X**													
	Harrow	V. Poysa				**X**					**X**					
	Ottawa	E. Cober	**X**	**X**												
	Ridgetown	I. Rajcan/D. Fischer			**X**					**X**						
	St. Pauls	I. Rajcan		**X**					**X**							
	Woodstock	I. Rajcan		**X**					**X**							
QUE	St. Mathieu de Beloeil	L. O'Donoughue	**X**	**X**					**X**							
	Saint Hyacinthe	J. Auclair			X					X				X		
	La Pocatiere	J. Aulcair	X													
SD	Bristol	G. Jiang		X					X							
	Beresford	G. Jiang				X					X					
	Watertown	G. Jiang			X					X						
	Volga	G. Jiang		X	X	X			X	X	X					
TN	Jackson	P. Arelli						X								
X	Location With Agronomic Data		10	7	16	20	18	13	6	12	12	11	9	9	10	10
X	Location With Seed Composition Data		8	5	3	4	0	0	4	3	2	0	0	2	2	0
*	Manhattan, KS Submitted Only PTIIIB															

Uniform Test 00, 2011

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1.	MN0071 (00)	Harmony x OT92-8	Orf	11	F5	Rps1
2.	Cavalier	Sargent x ND96-1006	Helms	6	F4	Rps6
3.	MN0095 (0)	M92-270029 x M93-313185	Orf	5	F5	Rps1
4.	M03-158071	M97-121138 x MN0091	Orf	2	F5	Rps6, White Mold
5.	M05-350061	M00-111179 x M98-134022	Orf	new	F5	SCN Rps1k
6.	M05-201027	NE1900 x MN0092	Orf	new	F5	
7.	ND05-17835	MN0302 x ND95-1564	Helms	1	F4	Rps1k
8.	ND07-3684	Walsh x LaMoure	Helms	1	F4	Rps6
9.	ND07-4027	M96-356062 x Ashtabula	Helms	1	F4	Rps6
10.	ND08-7287	Traill x Pembina	Helms	new	F4	Rps4
11.	ND08-7979	Walsh x (MN1006CN x ND00-2765)	Helms	new	F4	Rps6
12.	ND08-7219	ND01-4249 x Pembina	Helms	new	F4	Rps4
13.	OAC 09-01C	OAC 03-07 x PRO 25-53	Rajcan	new	F5	

UNIFORM TEST 00, 2011

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Danvers MN	Shattering Score Dundalk Ont.	Shattering Score Elora Ont.	Shattering Score Manhattan KS	Green Stem Score Dundalk Ont.	Green Stem Score Elora Ont.
MN0071 (00)	PTBDYBrI	2.3	1.0	1.0	3.0	1.0	1.0
Cavalier	P+WTBIYYI	2.5	1.0	1.0	3.0	1.0	1.0
MN0095 (0)	PGBDYIbI	2.0	1.0	1.0	3.0	1.0	1.0
M03-158071	P+WLtTDYYI	2.3	1.0	1.0	3.0	1.0	1.0
M05-350061	WTTIYBrI	2.8	1.0	1.0	3.0	1.0	1.0
M05-201027	WGBDYYI	2.5	1.0	1.0	4.0	1.0	1.0
ND05-17835	PGT+BDYBfI	2.5	1.0	1.0	3.0	1.0	1.0
ND07-3684	PTBDYBrI	2.3	1.0	1.0	2.0	1.0	1.0
ND07-4027	PGBDYGI	2.5	1.0	1.0	2.0	1.0	1.0
ND08-7287	PT+GBDYYI	2.3	1.0	1.0	4.0	1.0	1.0
ND08-7979	PGBDYYI	2.8	1.0	1.0	4.0	1.0	1.0
ND08-7219	PGTIYYI	2.3	1.0	1.0	5.0	1.0	1.0
OAC 09-01C	PTTDYYI	2.0	1.0	1.0	4.0	1.0	1.0

UNIFORM TEST 00, 2011

REGIONAL SUMMARY

					Plant	Seed	Seed	Composition	
	Yield	Rank	Maturity	Lodging	Height	Quality	Size	Protein	Oil
No. of Tests	10	10	10	10	9	9	10	8	8
Strain	bu/a	No.	Date	Score	In	Score	g/100	%	%
MN0071 (00)	47.5	12	9/16	1.5	30	1.7	16.1	33.9	18.7
CAVALIER	48.3	11	1.4	1.4	28	1.4	17.9	34.7	18.0
MN0095 (0)	51.6	2	5.7	1.7	30	1.2	13.5	33.9	18.4
M03-158071	48.4	10	1.6	1.4	31	1.7	14.2	34.8	18.4
M05-350061	48.6	8	7.6	2.1	33	1.4	14.9	34.5	18.5
M05-201027	49.4	4	6.1	1.8	27	1.3	14.9	33.9	18.0
ND05-17835	49.2	5	4.3	1.6	30	1.5	14.2	33.4	18.3
ND07-3684	50.2	3	4.6	1.4	27	1.4	17.7	34.7	18.2
ND07-4027	52.7	1	5.9	1.4	30	1.4	16.6	33.5	18.8
ND08-7287	46.1	13	5.4	1.6	30	1.6	16.5	35.7	17.0
ND08-7979	49.1	6	7.0	1.6	30	1.4	15.8	33.2	18.6
ND08-7219	48.6	8	2.5	1.7	30	2.0	17.2	33.4	18.2
OAC 09-01C	49.1	6	3.3	1.4	31	1.8	16.6	34.5	17.9

107.2 Days After Planting

UNIFORM TEST 00, 2011

2010-2011 2-YEAR MEAN

Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Quality	Seed Size	Composition	
								Protein	Oil
No. of Tests	21	21	21	21	19	18	20	17	17
	bu/a	No.	Date	Score	In.	Score	g/100	%	%
MN0071 (00)	46.3	7	9/13	1.5	29	1.4	16.1	33.8	18.7
CAVALIER	47.7	6	2.6	1.3	28	1.3	17.9	34.3	18.0
MN0095 (0)	50.2	2	6.8	1.5	30	1.2	13.7	34.3	18.2
M03-158071	47.8	5	2.3	1.4	31	1.3	14.1	35.2	17.8
ND05-17835	48.6	4	4.7	1.4	30	1.3	14.3	33.6	18.2
ND07-3684	49.7	3	5.6	1.3	27	1.3	17.7	34.8	18.0
ND07-4027	52.1	1	7.0	1.4	29	1.3	16.8	33.7	18.4

109.1 Days After Planting

2009-2011 3-YEAR MEAN

Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Quality	Seed Size	Composition	
								Protein	Oil
No. of Tests	27	27	31	31	28	27	30	26	26
	bu/a	No.	Date	Score	In.	Score	g/100	%	%
MN0071 (00)	44.5	4	9/17	1.4	28	1.5	15.8	34.1	18.3
CAVALIER	45.1	3	2.5	1.3	27	1.4	17.9	34.6	17.6
MN0095 (0)	47.0	1	7.1	1.5	28	1.3	13.3	34.5	17.9
M03-158071	45.9	2	2.7	1.4	30	1.5	13.8	35.6	17.3

113.2 Days After Planting

UNIFORM TEST 00, 2011

YIELD (bu/a)

Strain	Mean 10 Tests	Morden MAN	Crookston MN	Moorhead MN	Shelly MN
MN0071 (00)	47.5	46.6	54.8	27.7	38.0
CAVALIER	48.3	50.1	52.8	31.1	35.5
MN0095 (0)	51.6	50.7	61.5	30.7	43.6
M03-158071	48.4	51.1	55.7	37.9	41.2
M05-350061	48.6	50.6	58.3	37.2	34.9
M05-201027	49.4	45.5	58.2	33.0	38.8
ND05-17835	49.2	51.7	60.7	37.3	36.3
ND07-3684	50.2	50.2	62.7	35.8	39.4
ND07-4027	52.7	55.0	66.3	32.7	43.8
ND08-7287	46.1	47.3	50.8	36.1	37.6
ND08-7979	49.1	46.8	62.6	25.5	29.9
ND08-7219	48.6	44.7	56.3	30.5	32.2
OAC 09-01C	49.1	46.9	55.1	27.3	39.4
Location Mean		49.0	58.1	32.5	37.7
C.V. (%)			7.8	14.5	10.9
L.S.D. (5%)			7.3	7.7	6.7
Row Sp. (in.)		8	12	10	10
Rows/Plot		5	8	8	8
Reps		3	3	3	3

UNIFORM TEST 00, 2011

YIELD RANK

Strain	Yield Rank	Morden MAN	Crookston MN	Moorhead MN	Shelly MN
MN0071 (00)	12	11	11	11	7
CAVALIER	11	7	12	8	10
MN0095 (0)	2	4	4	9	2
M03-158071	10	3	9	1	3
M05-350061	8	5	6	3	11
M05-201027	4	12	7	6	6
ND05-17835	5	2	5	2	9
ND07-3684	3	6	2	5	4
ND07-4027	1	1	1	7	1
ND08-7287	13	8	13	4	8
ND08-7979	6	10	3	13	13
ND08-7219	8	13	8	10	12
OAC 09-01C	6	9	10	12	4

UNIFORM TEST 00, 2011

YIELD (bu/a)

Strain	Northwood ND	Dundalk ONT	Elora ONT	Ottawa ONT	La Pocatiere Que.	St. Mathieu de-Beloeil Que.
MN0071 (00)	39.6	50.8	59.2	43.7	56.4	58.5
CAVALIER	49.0	38.0	53.4	46.6	60.8	65.3
MN0095 (0)	54.7	42.6	55.2	46.4	59.4	71.3
M03-158071	43.7	40.3	52.1	45.6	56.5	60.0
M05-350061	46.3	39.9	49.4	45.0	61.4	63.5
M05-201027	58.7	41.4	52.6	42.9	53.0	69.7
ND05-17835	46.7	38.2	47.3	46.4	55.6	71.6
ND07-3684	52.6	39.2	47.4	45.3	60.7	68.3
ND07-4027	40.3	43.7	56.9	47.4	68.4	72.9
ND08-7287	42.6	33.3	53.2	40.7	55.8	63.6
ND08-7979	50.2	39.1	56.3	51.3	56.1	72.9
ND08-7219	48.1	45.2	57.8	39.4	62.9	68.9
OAC 09-01C	46.5	43.5	55.5	46.8	59.6	70.8
Location Mean	47.6	41.2	53.6	45.2	59.0	67.5
C.V. (%)	13.6	11.8	6.0	6.2		8.5
L.S.D. (5%)	11.1	8.2	5.5	5.7		11.6
Row Sp. (in.)	30	14	14	16	8	7
Rows/Plot	4	4	4	4	8	5
Reps	3	3	3	3	3	3

UNIFORM TEST 00, 2011

YIELD RANK

Strain	Northwood ND	Dundalk ONT	Elora ONT	Ottawa ONT	La Pocatiere Que.	St. Mathieu de-Beloeil Que.
MN0071 (00)	13	1	1	10	9	13
CAVALIER	5	12	7	4	4	9
MN0095 (0)	2	5	6	6	7	4
M03-158071	10	7	10	7	8	12
M05-350061	9	8	11	9	3	11
M05-201027	1	6	9	11	13	6
ND05-17835	7	11	13	5	12	3
ND07-3684	3	9	12	8	5	8
ND07-4027	12	3	3	2	1	1
ND08-7287	11	13	8	12	11	10
ND08-7979	4	10	4	1	10	2
ND08-7219	6	2	2	13	2	7
OAC 09-01C	8	4	5	3	6	5

UNIFORM TEST 00, 2011

MATURITY (date)

Strain	Mean 10 Tests	Morden* MAN	Crookston* MN	Moorhead* MN	Shelly* MN
MN0071 (00)	9/16	9/15	9/10	9/12	9/12
CAVALIER	1.4	-1	5	5	4
MN0095 (0)	5.7	3	5	3	4
M03-158071	1.6	1	3	2	0
M05-350061	7.6	6	10	8	8
M05-201027	6.1	4	8	6	5
ND05-17835	4.3	4	5	2	3
ND07-3684	4.6	1	8	5	3
ND07-4027	5.9	3	7	6	5
ND08-7287	5.4	1	7	5	5
ND08-7979	7.0	4	11	4	7
ND08-7219	2.5	0	4	0	0
OAC 09-01C	3.3	1	6	2	3
Date Planted	6/1	5/20	5/20	6/5	5/26
Days to Mature	107	118	113	99	109

* Killing Frost: Morden, MAN 15 Sept; Crookston, MN 15 Sept; Moorhead, MN 15 Sept; Shelly, MN 15 Sept

UNIFORM TEST 00, 2011

LODGING (score)

Strain	Mean 10 Tests	Morden MAN	Crookston MN	Moorhead MN	Shelly MN
MN0071 (00)	1.5	2.0	1.0	1.0	1.0
CAVALIER	1.4	3.0	1.0	1.0	1.0
MN0095 (0)	1.7	5.0	1.0	1.3	1.0
M03-158071	1.4	3.0	1.0	1.0	1.0
M05-350061	2.1	3.0	1.0	1.3	1.0
M05-201027	1.8	5.0	1.0	1.7	1.0
ND05-17835	1.6	5.0	1.0	1.3	1.0
ND07-3684	1.4	3.0	1.0	1.0	1.0
ND07-4027	1.4	4.0	1.0	1.3	1.0
ND08-7287	1.6	4.0	1.0	1.0	1.0
ND08-7979	1.6	4.0	1.0	1.3	1.0
ND08-7219	1.7	5.0	1.0	1.0	1.0
OAC 09-01C	1.4	3.0	1.0	1.0	1.0

UNIFORM TEST 00, 2011

MATURITY (date)

Strain	Northwood ND	Dundalk ONT	Elora ONT	Ottawa ONT	La Pocatiere Que.	St. Mathieu de-Beloeil Que.
MN0071 (00)	9/16	9/23	9/24	9/9	9/28	9/14
CAVALIER	5	-2	-2	2	-2	0
MN0095 (0)	12	4	1	5	8	12
M03-158071	4	-4	0	2	6	2
M05-350061	12	2	1	11	8	10
M05-201027	8	4	-1	4	10	13
ND05-17835	7	2	-2	4	7	11
ND07-3684	6	0	0	7	5	11
ND07-4027	12	2	0	6	8	10
ND08-7287	9	1	3	6	7	10
ND08-7979	8	3	4	7	8	14
ND08-7219	3	2	3	2	6	5
OAC 09-01C	5	1	4	6	-3	8
Date Planted	6/5	5/31	6/14	6/1	6/6	6/7
Days to Mature	103	115	102	100	114	99

UNIFORM TEST 00, 2011

LODGING (score)

Strain	Northwood ND	Dundalk ONT	Elora ONT	Ottawa ONT	La Pocatiere Que.	St. Mathieu de-Beloeil Que.
MN0071 (00)	1.7	1.7	1.0	1.2	2.3	2.0
CAVALIER	2.0	1.0	1.0	1.0	1.3	1.3
MN0095 (0)	2.0	1.5	1.0	1.1	1.7	1.0
M03-158071	1.3	1.3	1.0	0.9	1.7	1.7
M05-350061	3.8	2.2	1.0	3.1	2.0	3.0
M05-201027	2.5	1.0	1.0	1.1	2.3	1.3
ND05-17835	2.0	1.0	1.0	1.0	1.3	1.0
ND07-3684	1.3	1.0	1.0	0.9	2.3	1.3
ND07-4027	1.5	1.0	1.0	1.3	1.0	1.3
ND08-7287	2.0	1.3	1.0	1.0	2.0	2.0
ND08-7979	3.0	1.2	1.0	1.2	1.3	1.3
ND08-7219	1.8	1.7	1.0	1.2	1.7	2.0
OAC 09-01C	2.0	1.2	1.0	1.3	1.0	1.7

UNIFORM TEST 00, 2011

PLANT HEIGHT (inches)

Strain	Mean 9 Tests	Morden MAN	Crookston MN	Moorhead MN	Shelly MN
MN0071 (00)	30	39	31	24	27
CAVALIER	28	37	26	26	26
MN0095 (0)	30	43	29	25	28
M03-158071	31	45	31	27	30
M05-350061	33	39	32	30	30
M05-201027	27	38	28	24	26
ND05-17835	30	40	34	29	29
ND07-3684	27	39	27	28	27
ND07-4027	30	41	31	27	29
ND08-7287	30	42	31	32	28
ND08-7979	30	41	30	28	30
ND08-7219	30	35	27	27	24
OAC 09-01C	31	41	31	29	27

UNIFORM TEST 00, 2011

SEED QUALITY (score)

Strain	Mean 9 Tests	Morden MAN	Crookston MN	Moorhead MN	Shelly MN
MN0071 (00)	1.7	2.0	1.0	2.0	3.0
CAVALIER	1.4	1.0	1.0	1.0	2.0
MN0095 (0)	1.2	1.5	1.0	1.0	1.0
M03-158071	1.7	2.5	1.0	2.0	3.0
M05-350061	1.4	1.5	1.0	1.0	2.0
M05-201027	1.3	1.5	1.0	1.0	1.0
ND05-17835	1.5	2.0	1.0	1.0	2.0
ND07-3684	1.4	1.0	1.0	2.0	2.0
ND07-4027	1.4	2.0	1.0	2.0	1.0
ND08-7287	1.6	2.5	1.0	1.0	3.0
ND08-7979	1.4	1.0	1.0	2.0	2.5
ND08-7219	2.0	2.5	1.0	3.0	4.0
OAC 09-01C	1.8	2.0	1.0	2.0	3.0

UNIFORM TEST 00, 2011

PLANT HEIGHT (inches)

Strain	Northwood ND	Dundalk ONT	Elora ONT	Ottawa ONT	La Pocatiere Que.	St. Mathieu de-Beloeil Que.
MN0071 (00)		35	31	28	37	16
CAVALIER		31	27	26	36	16
MN0095 (0)		35	31	26	38	15
M03-158071		35	30	27	39	17
M05-350061		38	33	34	43	22
M05-201027		32	25	23	34	16
ND05-17835		35	29	25	35	17
ND07-3684		32	23	20	33	16
ND07-4027		35	27	25	36	16
ND08-7287		32	29	28	33	17
ND08-7979		36	29	26	34	17
ND08-7219		36	33	29	38	19
OAC 09-01C		34	35	27	36	19

UNIFORM TEST 00, 2011

SEED QUALITY (score)

Strain	Northwood ND	Dundalk ONT	Elora ONT	Ottawa ONT	La Pocatiere Que.	St. Mathieu de-Beloeil Que.
MN0071 (00)	1.0	2.0	1.5	1.0		2.0
CAVALIER	1.0	2.0	2.0	1.0		1.7
MN0095 (0)	1.0	1.5	1.0	1.0		1.7
M03-158071	1.0	1.5	1.0	1.0		2.0
M05-350061	1.0	2.0	1.5	1.0		1.3
M05-201027	1.0	1.5	2.0	1.0		1.3
ND05-17835	1.0	2.0	1.5	1.0		2.0
ND07-3684	1.0	1.5	2.0	1.0		1.0
ND07-4027	1.0	1.5	1.0	1.3		2.0
ND08-7287	1.0	2.0	1.5	1.0		1.7
ND08-7979	1.0	1.0	1.5	1.0		2.0
ND08-7219	1.0	1.5	2.0	1.0		1.7
OAC 09-01C	2.0	1.5	2.0	1.0		2.0

UNIFORM TEST 00, 2011

SEED SIZE (g/100)

Strain	Mean 10 Tests	Morden MAN	Crookston MN	Moorhead MN	Shelly MN
MN0071 (00)	16.1	14.4	15.0	14.2	13.8
CAVALIER	17.9	15.4	16.4	15.5	15.0
MN0095 (0)	13.5	11.5	12.3	12.9	12.5
M03-158071	14.2	11.9	13.6	13.4	12.6
M05-350061	14.9	12.0	16.8	6.8	15.5
M05-201027	14.9	13.0	14.7	14.3	14.0
ND05-17835	14.2	12.7	13.5	13.8	13.3
ND07-3684	17.7	15.7	13.2	16.6	17.3
ND07-4027	16.6	13.3	17.0	16.0	15.9
ND08-7287	16.5	13.4	15.0	14.6	15.8
ND08-7979	15.8	13.2	15.2	12.7	14.2
ND08-7219	17.2	15.3	16.1	16.4	17.3
OAC 09-01C	16.6	14.2	16.3	13.6	15.5

UNIFORM TEST 00, 2011

SEED SIZE (g/100)

Strain	Northwood ND	Dundalk ONT	Elora ONT	Ottawa ONT	La Pocatiere Que.	St. Mathieu de-Beloeil Que.
MN0071 (00)	14.5	20.7	16.0	18.1	15.4	18.5
CAVALIER	16.0	23.7	18.7	19.3	18.1	20.5
MN0095 (0)	15.3	16.8	12.5	14.5	10.8	15.5
M03-158071	13.9	17.8	13.6	15.6	13.1	16.4
M05-350061	16.1	18.5	14.2	17.2	15.1	16.6
M05-201027	15.2	16.6	14.7	17.2	12.0	17.3
ND05-17835	15.4	16.1	12.7	16.2	11.4	17.1
ND07-3684	16.4	21.8	17.7	20.6	16.2	21.5
ND07-4027	13.7	20.2	16.6	17.9	16.1	19.5
ND08-7287	14.9	19.0	17.0	18.6	17.0	19.4
ND08-7979	14.2	18.8	16.8	18.7	15.4	18.9
ND08-7219	13.4	21.3	19.1	17.2	17.1	18.4
OAC 09-01C	14.0	21.0	18.1	18.4	16.9	18.3

UNIFORM TEST 00, 2011

PROTEIN (%)

Strain	Mean 8 Tests	Crookston MN	Moorehead MN	Shelly MN	Northwood ND	Dundalk ONT	Elora ONT	Ottawa ONT	St. Mathieu de-Beloeil Que.
MN0071 (00)	33.9	32.8	32.7	32.2	34.3	36.8	35.7	33.4	33.4
CAVALIER	34.7	32.2	33.3	33.0	39.0	36.7	35.5	33.9	34.0
MN0095 (0)	33.9	32.1	33.1	32.6	31.9	37.3	36.1	34.2	34.3
M03-158071	34.8	33.5	32.1	32.5	34.4	38.2	37.3	35.1	35.1
M05-350061	34.5	32.6	33.4	32.7	33.7	37.8	37.0	34.5	34.4
M05-201027	33.9	33.2	33.3	31.3	33.4	35.7	36.0	33.9	34.0
ND05-17835	33.4	32.5	30.6	32.2	34.9	35.7	35.3	32.5	33.1
ND07-3684	34.7	33.1	32.6	33.2	33.6	37.7	36.8	35.1	35.5
ND07-4027	33.5	32.0	33.2	31.9	33.1	35.3	35.1	33.4	33.8
ND08-7287	35.7	34.5	35.1	34.4	30.7	39.1	38.5	37.0	36.6
ND08-7979	33.2	30.8	32.6	32.5	33.4	35.8	35.3	32.6	32.6
ND08-7219	33.4	32.4	32.5	33.0	32.3	35.7	35.4	32.8	33.1
OAC 09-01C	34.5	33.0	34.4	32.0	32.9	37.7	37.2	34.3	34.6

* Protein and Oil values converted to 13% moisture basis.

UNIFORM TEST 00, 2011

OIL (%)

Strain	Mean 8 Tests	Crookston MN	Moorehead MN	Shelly MN	Northwood ND	Dundalk ONT	Elora ONT	Ottawa ONT	St. Mathieu de-Beloeil Que.
MN0071 (00)	18.7	19.0	19.5	19.0	17.3	17.9	17.8	19.8	19.1
CAVALIER	18.0	19.2	19.0	18.4	16.0	17.1	17.1	19.0	18.3
MN0095 (0)	18.4	19.2	19.3	19.0	17.4	17.3	17.1	19.4	18.6
M03-158071	18.4	18.7	19.5	19.1	18.4	17.4	17.0	18.6	18.2
M05-350061	18.5	19.1	19.1	19.2	17.8	17.7	17.4	19.0	18.4
M05-201027	18.0	17.8	18.4	18.9	18.5	17.1	16.6	18.5	18.1
ND05-17835	18.3	18.6	19.7	19.2	17.0	17.4	16.8	19.5	18.5
ND07-3684	18.2	18.3	19.0	18.9	17.8	17.5	17.2	18.5	18.2
ND07-4027	18.8	19.0	19.3	18.8	18.6	18.1	17.8	19.5	19.1
ND08-7287	17.0	17.0	17.4	17.7	18.0	16.1	15.4	17.2	17.1
ND08-7979	18.6	19.2	19.1	18.7	16.9	17.9	17.9	20.4	19.1
ND08-7219	18.2	18.5	19.0	18.7	18.2	17.6	16.7	19.1	18.1
OAC 09-01C	17.9	17.8	18.0	18.5	18.5	17.3	17.0	18.6	17.7

Uniform Test 0, 2011

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1	Sheyenne (0)	Pioneer 9071 x A96-492041	Helms	5	F4	Rps1-c
2.	MN1410 (I)	unknown	Orf	4	F5	BSR
3.	Surge (L)	A86-204022 x Kato	Green	12	F5	
4.	MN0095 (E)	M92-270029 x M93-313185	Orf	1	F5	Rps1
5.	MN0606CN (SCN)	MN0901 x MN0902CN	Orf	3	F5	SCN
6.	M02-495076	LG98-1605 X MN0302	Orf	2	F5	DIVERSITY
7.	M02-399012	MN0302 x PI 437610A	Orf	PT0		
8.	M03-172059	IA2052 x MN0304	Orf	UTI	F5	Rps1k
9.	M04-267028	Lambert x PI291290	Orf	PT0	F5	Rps1a
10.	ND07-2019	LaMoure x ND01-1690	Helms	UT00	F4	Rps6
11.	ND07-2303	ND01-3559 x ND99-2169	Helms	PT0	F4	Rps1k
12.	ND07-2317	ND01-3559 x ND99-2169	Helms	PT0	F4	Rps1k
13.	ND07-3376	ND01-3739 x LaMoure	Helms	PT0	F4	Rps1c
14.	ND07-3761	ProSoy x ND01-2006	Helms	PT0	F4	Rps6
15.	ND07-4069	ND02-2559 x A00-711013	Helms	PT0	F4	Rps6
16.	SD06-322	SDX98-74151 x M96-71481	Green	1	F9	
17.	SD06-525	SD99-469 x SD99-36	Jiang	1	F9	Rps 1c
18.	SD07CV-528	IA2052 x Pion 9092	Jiang	PT0	F8	Oil
19.	SD07CV-539	IA2052 x Pion 9092	Jiang	PT0	F8	Oil
20.	SD07CV-935	Pion 9233 x A02-381100-1539	Jiang	PT0	F8	Protein

UNIFORM TEST 0, 2011

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Danvers MN	Score Manhattan KS	Shattering Score St. Pauls Ont.	Score Woodstock Ont.	Green Stem Score St. Mathieu Que.	Score St. Pauls Ont.	Score Woodstock Ont.
Sheyenne (0)	PGBIYYI	2.0	3.0	1.0	1.0	3.0	1.0	1.0
MN1410 (I)	WGBIYBfI	2.5	3.0	1.0	1.0	3.5	1.0	1.0
Surge (L)	PGBIYIbI	2.3	2.0	1.0	1.0	2.0	1.0	1.0
MN0095 (E)	PGBDYIbI	2.0	3.0	1.0	1.0	1.5	1.0	1.0
MN0606CN (SCN)	WTTDYYI	2.5	2.0	1.0	1.0	2.5	1.0	1.0
M02-495076	WTTDYYI	2.3	3.0	1.0	1.0	2.5	1.0	1.0
M02-399012	WTTIYYI	2.5	1.0	1.0	1.0	1.5	1.0	1.0
M03-172059	WGTDYBfI	2.3	4.0	1.0	1.0	1.0	1.0	1.0
M04-267028	PGBSYLbfI	2.3	3.0	1.0	1.0	2.0	1.0	1.0
ND07-2019	PT+GBDYBr+BfI	2.3	3.0	1.0	1.0	2.0	1.0	1.0
ND07-2303	PGBDYYI	2.5	4.0	1.0	1.0	1.5	1.0	1.0
ND07-2317	PGT+BDYBfI	2.8	3.0	1.0	1.0	2.5	1.0	1.0
ND07-3376	WGBDYBfI	2.5	3.0	1.0	1.0	2.5	1.0	1.0
ND07-3761	WGBDYYI	2.0	4.0	1.0	1.0	2.0	1.0	1.0
ND07-4069	WGBDYYI	2.5	3.0	1.0	1.0	3.0	1.0	1.0
SD06-322	PGBDYBfI	2.8	4.0	1.0	1.0	1.5	1.0	1.0
SD06-525	WGBDYBfI	2.0	3.0	1.0	1.0	2.0	1.0	1.0
SD07CV-528	PGBDYIbI	2.8	4.0	1.0	1.0	1.5	1.0	1.0
SD07CV-539	WGBDYY+BfI	2.5	3.0	1.0	1.0	2.0	1.0	1.0
SD07CV-935	PTTDYBlI	2.5	3.0	1.0	1.0	1.5	1.0	1.0

UNIFORM TEST 0, 2011

REGIONAL SUMMARY

					Plant	Seed	Seed	Composition	
	Yield	Rank	Maturity	Lodging	Height	Quality	Size	Protein	Oil
No. of Tests	6	6	6	7	6	7	7	5	5
Strain	bu/a	No.	Date	Score	In.	Score	g/100	%	%
Sheyenne (0)	61.7	6	9/23	1.3	33	1.5	17.1	34.5	18.1
MN1410 (I)	70.2	1	5.0	1.4	34	1.7	17.9	35.6	18.5
Surge (L)	61.4	7	-0.3	1.2	28	1.4	20.5	36.6	18.1
MN0095 (E)	51.6	20	-5.5	1.3	27	1.6	14.2	35.1	18.5
MN0606CN (SCN)	55.6	17	0.0	1.6	28	1.1	15.7	35.5	18.1
M02-495076	58.9	10	0.3	1.2	27	1.3	17.3	36.0	18.3
M02-399012	53.3	18	-1.5	1.5	31	1.3	14.5	36.3	17.6
M03-172059	63.7	2	0.7	1.2	32	1.2	16.8	34.2	18.6
M04-267028	55.7	16	-0.3	1.5	27	1.1	17.5	35.7	18.6
ND07-2019	51.9	19	-5.7	1.1	25	1.6	15.9	34.3	18.9
ND07-2303	59.1	9	-2.0	1.5	29	1.4	14.6	33.0	19.4
ND07-2317	61.9	4	1.8	1.1	28	1.3	16.2	32.9	19.4
ND07-3376	58.5	13	0.3	1.7	31	1.4	16.0	33.7	18.2
ND07-3761	58.6	12	-3.0	1.4	26	1.3	17.1	32.9	19.1
ND07-4069	58.0	14	-4.0	1.1	27	1.3	16.7	33.7	19.6
SD06-322	61.9	4	1.8	1.2	28	1.4	18.7	34.4	19.2
SD06-525	60.6	8	3.3	1.5	31	1.4	17.7	35.8	17.8
SD07CV-528	56.6	15	0.8	1.2	33	1.6	14.5	34.6	18.9
SD07CV-539	62.9	3	5.0	1.4	29	2.1	15.9	33.7	18.6
SD07CV-935	58.9	10	4.2	1.4	32	1.5	16.1	35.9	17.7

113.6 Days After Planting

UNIFORM TEST 0, 2011

2010-2011 2-YEAR MEAN

Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Quality	Seed Size	Composition	
								Protein	Oil
No. of Tests	14	14	15	16	15	16	16	14	14
	bu/a	No.	Date	Score	In.	Score	g/100	%	%
Sheyenne (0)	60.3	3	9/22	1.5	34	1.5	16.5	34.1	18.2
MN1410 (I)	65.4	1	6.3	1.6	36	1.6	17.3	35.4	18.3
Surge (L)	60.4	2	-0.3	1.4	31	1.5	20.1	36.3	18.1
MN0095 (E)	50.5	8	-6.4	1.4	28	1.5	14.3	35.1	18.4
MN0606CN (SCN)	55.2	7	0.7	1.9	31	1.4	15.4	35.2	18.0
M02-495076	57.3	6	0.9	1.4	29	1.3	17.0	35.7	18.2
SD06-322	59.6	4	2.3	1.2	32	1.5	18.6	34.6	19.1
SD06-525	58.8	5	4.7	1.6	33	1.4	17.5	35.6	17.7

117.0 Days After Planting

2009-2011 3-YEAR MEAN

Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Quality	Seed Size	Composition	
								Protein	Oil
No. of Tests	23	23	24	25	23	23	23	21	21
Sheyenne (0)	56.8	3	9/23	1.3	33	1.6	16.2	34.2	17.9
MN1410 (I)	62.5	1	6.4	1.6	35	1.8	17.2	35.3	18.0
Surge (L)	58.0	2	-0.3	1.5	30	1.6	19.8	36.4	17.6
MN0606CN (SCN)	53.4	5	-0.1	1.8	31	1.5	15.3	35.3	17.7
M02-495076	55.7	4	1.3	1.3	29	1.4	16.8	35.5	17.7

120.6 Days After Planting

UNIFORM TEST 0, 2011

YIELD (bu/a)

Strain	Mean 6 Tests	Morris MN	Ottawa ONT	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Bristol* SD	Volga SD
Sheyenne (0)	61.7	57.5	53.0	51.5	54.4	87.0	27.2	66.7
MN1410 (I)	70.2	57.2	58.1	71.5	58.9	96.0	33.9	79.6
Surge (L)	61.4	59.0	45.6	60.9	56.3	83.0	23.1	63.8
MN0095 (E)	51.6	51.7	45.5	45.4	46.1	67.5	27.2	53.6
MN0606CN (SCN)	55.6	54.7	48.8	48.4	48.4	71.0	22.3	62.2
M02-495076	58.9	46.7	53.9	55.7	52.6	83.0	27.2	61.6
M02-399012	53.3	58.0	47.6	49.8	41.6	74.0	35.1	48.7
M03-172059	63.7	58.3	56.3	60.8	52.6	90.5	26.0	63.5
M04-267028	55.7	52.9	54.9	42.6	51.5	78.0	9.6	54.2
ND07-2019	51.9	56.2	44.2	39.9	47.0	71.0	20.0	52.9
ND07-2303	59.1	56.8	53.6	57.1	47.2	75.0	21.7	64.9
ND07-2317	61.9	59.1	54.3	57.9	54.0	73.0	18.1	73.0
ND07-3376	58.5	53.1	50.0	59.6	55.9	78.5	26.0	53.9
ND07-3761	58.6	60.3	55.7	48.8	47.7	78.5	35.9	60.6
ND07-4069	58.0	54.0	48.4	60.3	53.0	77.5	26.0	54.6
SD06-322	61.9	53.4	49.7	65.2	54.6	83.5	23.8	65.0
SD06-525	60.6	54.1	52.5	61.7	49.9	84.5	18.5	60.6
SD07CV-528	56.6	55.0	55.9	60.1	54.6	71.0	20.3	42.9
SD07CV-539	62.9	59.3	55.1	60.8	51.9	76.5	23.4	73.6
SD07CV-935	58.9	51.1	53.3	57.1	54.8	70.5	28.6	66.8
Location Mean		55.4	51.8	55.8	51.7	78.5	24.7	61.1
C.V. (%)		11.8	6.7	9.2	6.9	6.6	38.0	16.0
L.S.D. (5%)		10.6	7.0	9.6	6.6	13.1	15.6	16.1
Row Sp. (In.)		30	16	14	14	7	30	30
Rows/Plot		4	4	4	4	5	4	4
Reps		3	3	3	2	2	3	3

*Data not included in mean.

UNIFORM TEST 0, 2011

YIELD RANK

Strain	Yield Rank	Morris MN	Ottawa ONT	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Bristol SD	Volga SD
Sheyenne (0)	6	7	11	14	7	3	5	5
MN1410 (I)	1	8	1	1	1	1	3	1
Surge (L)	7	4	18	4	2	6	13	8
MN0095 (E)	20	18	19	18	19	20	5	17
MN0606CN (SCN)	17	12	15	17	15	16	14	10
M02-495076	10	20	8	13	10	7	5	11
M02-399012	18	6	17	15	20	14	2	19
M03-172059	2	5	2	5	10	2	10	9
M04-267028	16	17	6	19	13	10	20	15
ND07-2019	19	10	20	20	18	17	17	18
ND07-2303	9	9	9	11	17	13	15	7
ND07-2317	4	3	7	10	8	15	19	3
ND07-3376	13	16	13	9	3	8	8	16
ND07-3761	12	1	4	16	16	9	1	12
ND07-4069	14	14	16	7	9	11	8	14
SD06-322	4	15	14	2	5	5	11	6
SD06-525	8	13	12	3	14	4	18	12
SD07CV-528	15	11	3	8	5	18	16	20
SD07CV-539	3	2	5	5	12	12	12	2
SD07CV-935	10	19	10	11	4	19	4	4

UNIFORM TEST 0, 2011

MATURITY (date)

Strain	Mean 6 Tests	Morris* MN	Ottawa ONT	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Bristol SD	Volga* SD
Sheyenne (0)	9/23		9/20	9/27	9/28	10/4	9/20	9/12
MN1410 (I)	5.0		5	3	4	3	5	10
Surge (L)	-0.3		1	-3	1	-4	2	1
MN0095 (E)	-5.5		-9	-3	-6	-8	-1	-6
MN0606CN (SCN)	0.0		2	-3	0	-3	3	1
M02-495076	0.3		3	-3	0	-1	3	0
M02-399012	-1.5		1	-5	-3	-5	1	2
M03-172059	0.7		2	-3	-2	1	2	4
M04-267028	-0.3		-1	-2	-1	-3	5	0
ND07-2019	-5.7		-7	-8	-6	-8	0	-5
ND07-2303	-2.0		-4	-5	-4	-4	5	0
ND07-2317	1.8		4	-1	-1	4	5	0
ND07-3376	0.3		1	-2	-2	2	3	0
ND07-3761	-3.0		-6	-5	-3	-4	0	0
ND07-4069	-4.0		-5	-4	-4	-6	0	-5
SD06-322	1.8		4	0	-1	1	3	4
SD06-525	3.3		4	2	1	1	5	7
SD07CV-528	0.8		-1	-2	0	0	5	3
SD07CV-539	5.0		5	5	4	3	3	10
SD07CV-935	4.2		5	3	2	1	5	9
Date Planted	6/1	5/25	6/1	6/3	6/16	6/7	6/6	5/17
Days to Mature	114		111	116	104	119	106	118

* Killing Frost: Morris, MN 15 Sept; Volga, SD 15 Sept

UNIFORM TEST 0, 2011

LODGING (score)

Strain	Mean 7 Tests	Morris MN	Ottawa ONT	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Bristol SD	Volga SD
Sheyenne (0)	1.3	1.0	1.1	1.2	1.0	2.0	1.0	2.0
MN1410 (I)	1.4	1.0	1.1	1.5	1.0	1.0	1.0	3.0
Surge (L)	1.2	1.0	1.1	1.1	1.2	1.0	1.0	2.0
MN0095 (E)	1.3	1.0	1.0	1.1	1.2	1.0	1.0	3.0
MN0606CN (SCN)	1.6	1.0	1.1	1.5	1.3	2.0	1.0	3.0
M02-495076	1.2	1.0	0.9	1.2	1.0	1.5	1.0	2.0
M02-399012	1.5	1.0	1.1	1.5	1.3	1.5	1.0	3.0
M03-172059	1.2	1.0	1.0	1.3	1.0	1.0	1.0	2.0
M04-267028	1.5	1.0	1.4	1.4	1.3	1.5	1.0	3.0
ND07-2019	1.1	1.0	1.0	1.0	1.0	1.0	1.0	2.0
ND07-2303	1.5	1.0	1.0	1.2	1.0	1.0	1.0	4.0
ND07-2317	1.1	1.0	0.9	1.0	1.0	1.0	1.0	2.0
ND07-3376	1.7	1.0	1.1	1.5	1.0	2.0	1.0	4.0
ND07-3761	1.4	1.0	1.0	1.0	1.0	1.0	1.0	4.0
ND07-4069	1.1	1.0	1.0	1.0	1.0	1.0	1.0	2.0
SD06-322	1.2	1.0	1.0	1.1	1.0	1.0	1.0	2.0
SD06-525	1.5	1.0	1.0	1.4	1.0	2.0	1.0	3.0
SD07CV-528	1.2	1.0	1.2	1.4	1.0	1.0	1.0	2.0
SD07CV-539	1.4	1.0	1.5	1.2	1.2	1.0	1.0	3.0
SD07CV-935	1.4	1.0	1.4	1.2	1.0	2.0	1.0	2.0

UNIFORM TEST 0, 2011

PLANT HEIGHT (inches)

Strain	Mean 6 Tests	Morris MN	Ottawa ONT	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Bristol SD	Volga SD
Sheyenne (0)	33		30	29	34	23	31	52
MN1410 (I)	34		29	38	33	28	25	49
Surge (L)	28		27	26	33	21	22	42
MN0095 (E)	27		24	26	32	18	16	43
MN0606CN (SCN)	28		28	29	33	22	20	36
M02-495076	27		25	27	29	24	18	40
M02-399012	31		31	28	33	24	27	44
M03-172059	32		31	31	32	23	25	49
M04-267028	27		30	24	35	22	14	39
ND07-2019	25		23	24	29	18	17	36
ND07-2303	29		29	30	32	21	16	46
ND07-2317	28		26	23	31	18	15	55
ND07-3376	31		31	27	35	23	29	42
ND07-3761	26		24	24	27	18	26	38
ND07-4069	27		28	27	33	19	22	36
SD06-322	28		28	28	33	23	17	38
SD06-525	31		30	33	31	30	15	45
SD07CV-528	33		33	36	35	27	23	46
SD07CV-539	29		30	29	30	23	17	44
SD07CV-935	32		29	31	35	26	28	42

UNIFORM TEST 0, 2011

SEED QUALITY (score)

Strain	Mean 7 Tests	Morris MN	Ottawa ONT	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Bristol SD	Volga SD
Sheyenne (0)	1.5	1.7	1.0	2.0	1.0	2.0	1.0	2.0
MN1410 (I)	1.7	2.0	1.0	1.5	1.5	2.0	2.0	2.0
Surge (L)	1.4	1.5	1.0	1.0	1.5	1.5	1.0	2.0
MN0095 (E)	1.6	2.0	1.0	2.0	1.5	1.5	1.0	2.0
MN0606CN (SCN)	1.1	1.0	1.0	1.0	1.0	2.0	1.0	1.0
M02-495076	1.3	1.5	1.0	1.5	1.0	2.0	1.0	1.0
M02-399012	1.3	1.0	1.0	1.5	1.5	2.0	1.0	1.0
M03-172059	1.2	1.5	1.0	1.5	1.5	1.0	1.0	1.0
M04-267028	1.1	1.0	1.0	1.0	1.0	2.0	1.0	1.0
ND07-2019	1.6	1.5	1.3	2.0	1.5	1.0	2.0	2.0
ND07-2303	1.4	1.5	1.0	1.5	1.5	1.0	2.0	1.0
ND07-2317	1.3	1.5	1.0	1.5	1.0	2.0	1.0	1.0
ND07-3376	1.4	1.5	1.0	1.5	1.5	1.5	1.0	2.0
ND07-3761	1.3	1.5	1.0	1.5	1.0	2.0	1.0	1.0
ND07-4069	1.3	2.0	1.3	1.5	1.0	1.0	1.0	1.0
SD06-322	1.4	1.0	1.0	1.5	2.0	2.5	1.0	1.0
SD06-525	1.4	1.0	1.0	1.5	1.5	2.0	2.0	1.0
SD07CV-528	1.6	1.0	1.0	1.5	1.5	2.0	2.0	2.0
SD07CV-539	2.1	2.0	1.0	1.5	1.5	3.0	3.0	3.0
SD07CV-935	1.5	1.0	1.0	1.5	1.5	1.5	1.0	3.0

UNIFORM TEST 0, 2011

SEED SIZE (g/100)

Strain	Mean 7 Tests	Morris MN	Ottawa ONT	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Bristol SD	Volga SD
Sheyenne (0)	17.1	15.3	17.8	21.3	16.3	18.5	14.9	15.4
MN1410 (I)	17.9	14.0	20.5	22.9	17.2	20.8	13.1	17.1
Surge (L)	20.5	19.3	22.6	24.9	20.1	22.1	17.5	16.7
MN0095 (E)	14.2	14.1	14.5	17.2	13.0	14.7	11.5	14.1
MN0606CN (SCN)	15.7	13.9	17.5	19.4	14.9	17.7	12.5	14.1
M02-495076	17.3	15.8	19.0	21.2	17.4	18.8	12.1	16.5
M02-399012	14.5	12.3	16.6	17.1	15.1	15.7	11.2	13.8
M03-172059	16.8	15.7	18.2	19.1	15.4	19.3	14.5	15.4
M04-267028	17.5	15.4	18.8	19.8	17.8	19.5	13.5	17.6
ND07-2019	15.9	12.0	17.0	20.2	14.7	17.9	13.6	16.1
ND07-2303	14.6	12.9	15.7	16.1	13.9	16.5	11.6	15.5
ND07-2317	16.2	15.2	18.4	19.1	15.6	18.7	11.0	15.4
ND07-3376	16.0	15.3	17.1	19.7	15.0	16.8	12.9	15.4
ND07-3761	17.1	15.3	17.4	19.9	16.4	19.4	12.9	18.7
ND07-4069	16.7	15.6	17.2	19.8	15.5	18.4	13.6	16.6
SD06-322	18.7	15.9	21.7	23.8	19.1	20.7	14.0	15.8
SD06-525	17.7	14.6	20.6	22.1	17.2	20.7	13.7	15.1
SD07CV-528	14.5	13.3	16.7	16.8	14.1	16.0	11.2	13.7
SD07CV-539	15.9	13.6	18.0	18.3	14.4	18.5	12.7	15.5
SD07CV-935	16.1	12.5	20.0	20.2	16.6	18.0	12.5	12.7

UNIFORM TEST 0, 2011

PROTEIN (%)

Strain	Mean 5 Tests	Morris MN	Ottawa ONT	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	SD
Sheyenne (0)	34.5	32.6	33.4	36.6	35.7	34.0	
MN1410 (I)	35.6	33.5	35.0	38.1	36.4	35.1	
Surge (L)	36.6	35.2	35.8	38.9	37.5	35.7	
MN0095 (E)	35.1	34.1	33.9	37.1	35.8	34.3	
MN0606CN (SCN)	35.5	34.0	35.1	37.8	36.1	34.5	
M02-495076	36.0	34.3	35.1	38.4	37.4	34.7	
M02-399012	36.3	33.7	36.4	38.5	37.6	35.2	
M03-172059	34.2	32.4	33.6	35.8	35.5	33.5	
M04-267028	35.7	33.4	35.1	37.8	37.8	34.5	
ND07-2019	34.3	32.7	34.1	36.7	34.5	33.5	
ND07-2303	33.0	31.2	32.5	34.6	35.0	31.8	
ND07-2317	32.9	31.4	31.7	34.5	34.1	33.1	
ND07-3376	33.7	32.3	33.1	35.5	34.3	33.5	
ND07-3761	32.9	32.2	31.8	34.6	34.5	31.3	
ND07-4069	33.7	32.1	32.9	36.0	35.1	32.2	
SD06-322	34.4	32.7	34.2	36.0	36.1	33.1	
SD06-525	35.8	33.4	35.3	37.8	37.0	35.3	
SD07CV-528	34.6	33.0	34.1	36.4	36.3	33.1	
SD07CV-539	33.7	32.2	33.7	35.2	34.7	32.5	
SD07CV-935	35.9	33.9	35.7	37.2	38.0	34.8	

* Protein and Oil values converted to 13% moisture basis.

UNIFORM TEST 0, 2011

OIL (%)

Strain	Mean 5 Tests	Morris MN	Ottawa ONT	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	SD
Sheyenne (0)	18.1	18.5	19.1	18.2	17.5	17.4	
MN1410 (I)	18.5	18.5	19.2	18.4	17.9	18.3	
Surge (L)	18.1	18.3	19.1	18.0	17.6	17.4	
MN0095 (E)	18.5	18.6	19.2	18.4	17.7	18.7	
MN0606CN (SCN)	18.1	18.0	18.5	18.2	17.7	18.3	
M02-495076	18.3	18.9	18.9	18.0	17.5	18.3	
M02-399012	17.6	18.3	17.7	17.7	17.0	17.4	
M03-172059	18.6	19.1	19.3	18.4	17.9	18.3	
M04-267028	18.6	19.2	19.4	18.3	17.2	19.1	
ND07-2019	18.9	19.3	19.4	18.8	18.9	18.3	
ND07-2303	19.4	19.9	20.3	19.4	18.2	19.1	
ND07-2317	19.4	19.4	20.9	19.3	18.8	18.7	
ND07-3376	18.2	18.2	19.1	18.6	17.9	17.4	
ND07-3761	19.1	19.4	20.2	19.2	18.2	18.7	
ND07-4069	19.6	19.8	20.5	19.1	18.4	20.0	
SD06-322	19.2	19.3	20.3	19.5	18.4	18.7	
SD06-525	17.8	18.2	18.6	17.5	17.2	17.4	
SD07CV-528	18.9	18.9	19.7	18.7	17.8	19.1	
SD07CV-539	18.6	18.8	19.3	18.4	18.0	18.3	
SD07CV-935	17.7	17.9	18.2	18.2	17.0	17.4	

Preliminary Test 0, 2011

Ent.	Strain	Parentage	Seed Source	Gen. Comp.	Unique Traits
1	Sheyenne (0)	Pioneer 9071 x A96-492041	Helms	F4	Rps1-c
2.	MN1410 (I)	unknown	Orf	F5	BSR
3.	Surge (L)	A86-204022 x Kato	Green	F5	
4.	MN0095 (E)	M92-270029 x M93-313185	Orf	F5	Rps1
5.	M05-243040	MN1003SP x PI578425	Orf	F5	Slow Wilting
6.	M05-242024	PARKER x PI592960	Orf	F5	Slow Wilting
7.	M05-315068	M02-466278 x MN0302	Orf	F5	Rps1k
8.	M05-353148	MN0902CN x M99-286047	Orf	F5	SCN
9.	M05-363022	IA1008 x MN1011CN	Orf	F5	SCN
10.	M05-363031	IA1008 x MN1011CN	Orf	F5	SCN
11.	M05-364040	MN1009 x MN0091	Orf	F5	Rps1c White Mold
12.	ND07-1816	ND01-3533 x Walsh	Helms	F4	Rps6
13.	ND07-1967	LaMoure x ND01-1690	Helms	F4	Rps1c
14.	ND07-2205	LaMoure x ND01-1690	Helms	F4	Rps6
15.	ND07-2226	ND01-3559 x ND99-2169	Helms	F4	Rps1c
16.	ND07-2307	ND01-3559 x ND99-2169	Helms	F4	Rps1c
17.	ND07-2334	ND01-3559 x ND99-2169	Helms	F4	Rps1c
18.	ND07-2347	ND01-3559 x ND99-2169	Helms	F4	Rps1c
19.	ND07-2359	ND01-3559 x ND99-2169	Helms	F4	Rps1c
20.	ND07-3512	ND99-2621 x Walsh	Helms	F4	Rps1c
21.	ND07-3664	Walsh x LaMoure	Helms	F4	Rps1c
22.	ND07-3987	M96-356062 x Ashtabula	Helms	F4	SCN, Rps1c
23.	ND07-3994	M96-356062 x Ashtabula	Helms	F4	SCN, Rps6
24.	ND07-4050	ND02-2559 x A00-711013	Helms	F4	Rps6
25.	ND07-4635	MN1006CN x Walsh	Helms	F4	SCN, Rps6
26.	OAC 09-17C	AC Glengerry x OAC 02-31	Rajcan	F5	
27.	OAC 09-35C	OAC 01-26 x Supra	Rajcan	F5	
28.	SD08CV-0015	M97-136016 x SD96-135-3	Jiang	F5	
29.	SD08CV-0016	M97-136016 x SD96-135-3	Jiang	F5	
30.	SD08CV-0018	M97-136016 x SD96-135-3	Jiang	F5	
31.	SD08CV-0019	M97-136016 x SD96-135-3	Jiang	F5	
32.	SD08CV-0024	SD99-700 X M97-357138	Jiang	F5	

PRELIMINARY TEST 0, 2011

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Danvers MN	Score Manhattan KS	Shattering Score St. Pauls Ont.	Score Woodstock Ont.	Green Stem Score St. Mathieu Que.	Score St. Pauls Ont.	Score Woodstock Ont.
Sheyenne (0)	PGBIYYI	2.3	3.0	1.0	1.0	4.0	1.0	1.0
MN1410 (I)	WGBIYBfI	2.0	3.0	1.0	1.0	2.9	1.0	1.0
Surge (L)	PGBIYIbI	2.0	3.0	1.0	1.0	2.0	1.0	1.0
MN0095 (E)	PGBDYIbI	1.8	3.0	1.0	1.0	1.1	1.0	1.0
M05-243040	PGBDYYI	2.5	2.0	1.0	1.0	2.0	1.0	1.0
M05-242024	WGBDYYI	1.8	2.0	1.0	1.0	2.4	1.0	1.0
M05-315068	PTBIYBlI	2.0	4.0	1.0	1.0	1.5	1.0	1.0
M05-353148	PGBDYLbfI	2.0	3.0	1.0	1.0	2.1	1.0	1.0
M05-363022	P+WGTDYYI	2.3	4.0	1.0	1.0	1.5	1.0	1.0
M05-363031	WGBDYYI	2.3	3.0	1.0	1.0	3.0	1.0	1.0
M05-364040	PTTDYYI	2.3	4.0	1.0	1.0	1.5	1.0	1.0
ND07-1816	WGBIYYI	2.3	4.0	1.0	1.0	2.1	1.0	1.0
ND07-1967	WGBDYYI	2.0	4.0	1.0	1.0	2.0	1.0	1.0
ND07-2205	PGBDYGI	2.3	5.0	1.0	1.0	1.0	1.0	1.0
ND07-2226	PGBDYBfI	2.0	4.0	1.0	1.0	3.0	1.0	1.0
ND07-2307	PGBDYBfI	2.3	3.0	1.0	1.0	3.1	1.0	1.0
ND07-2334	PGTDYBfI	2.0	3.0	1.0	1.0	1.6	1.0	1.0
ND07-2347	PGTDYBfI	2.5	3.0	1.0	1.0	2.1	1.0	1.0
ND07-2359	PGTDYG+YI	2.3	2.0	1.0	1.0	2.5	1.0	1.0
ND07-3512	PGBDYYI	2.0	3.0	1.0	1.0	1.4	1.0	1.0
ND07-3664	PGBIYYI	2.3	2.0	1.0	1.0	1.0	1.0	1.0
ND07-3987	PGBIYIbI	2.3	3.0	1.0	1.0	1.0	1.0	1.0
ND07-3994	PGBDYIbI	2.3	3.0	1.0	1.0	1.1	1.0	1.0
ND07-4050	WGBDYYI	2.3	3.0	1.0	1.0	3.0	1.0	1.0
ND07-4635	P+WTBDYG+YI	2.3	3.0	1.0	1.0	1.0	1.0	1.0
OAC 09-17C	PTBDYYI	2.3	4.0	1.0	1.0	1.1	1.0	1.0
OAC 09-35C	PGBDYYI	2.5	3.0	1.0	1.0	1.5	1.0	1.0
SD08CV-0015	WGBDYBfI	2.0	3.0	1.0	1.0	1.4	1.0	1.0
SD08CV-0016	WGBDYBfI	2.3	4.0	1.0	1.0	3.0	1.0	1.0
SD08CV-0018	WGBDYBfI	2.0	4.0	1.0	1.0	3.4	1.0	1.0
SD08CV-0019	P+WGBDYBf+IbI	2.3	3.0	1.0	1.0	2.5	1.0	1.0
SD08CV-0024	PGBDYIbI	2.0	5.0	1.0	1.0	1.0	1.0	1.0

PRELIMINARY TEST 0, 2011

REGIONAL SUMMARY

No. of Tests Strain	Yield 5 bu/a	Rank 5 No.	Maturity 6 Date	Lodging 6 Score	Plant Height 5 In.	Seed Quality 6 Score	Seed Size 6 g/100	Composition Protein 4 %	 Oil 4 %
Sheyenne (0)	65.1	2	9/21	1.2	31	1.6	16.5	34.5	18.1
MN1410 (I)	69.4	1	5.8	1.2	34	1.1	18.2	36.0	18.1
Surge (L)	63.7	7	0.0	1.0	30	1.0	19.9	36.8	17.7
MN0095 (E)	50.3	30	-5.8	1.4	25	1.3	14.2	35.3	18.1
M05-243040	57.4	19	-1.7	1.4	25	1.2	17.7	36.7	17.2
M05-242024	48.6	32	-1.7	2.1	31	1.3	15.9	34.7	18.2
M05-315068	55.7	23	-2.2	1.4	31	1.3	16.1	35.8	18.4
M05-353148	60.0	11	2.0	1.4	33	1.2	16.3	35.7	17.9
M05-363022	64.9	4	1.6	1.4	28	1.4	17.0	35.6	17.8
M05-363031	55.5	25	-0.7	1.5	27	1.4	15.8	34.6	17.6
M05-364040	49.7	31	-2.8	1.2	27	1.6	17.4	36.1	17.8
ND07-1816	59.7	12	1.6	1.6	30	1.5	17.0	34.6	17.8
ND07-1967	55.3	27	3.3	1.4	32	1.3	14.6	34.0	18.1
ND07-2205	64.4	6	1.0	1.0	26	1.8	17.1	34.3	18.8
ND07-2226	55.5	25	0.0	1.5	26	1.2	14.7	33.0	19.3
ND07-2307	58.7	16	1.4	1.3	29	1.4	17.4	34.3	18.7
ND07-2334	57.1	20	1.0	1.5	27	1.2	14.6	33.2	18.8
ND07-2347	56.1	22	-1.3	1.6	29	1.6	15.0	33.7	18.9
ND07-2359	58.8	14	-2.6	1.0	27	1.3	16.7	33.8	18.8
ND07-3512	53.0	28	-0.5	1.3	26	1.3	18.0	36.0	17.8
ND07-3664	51.5	29	-0.8	1.1	24	1.6	16.4	34.5	18.1
ND07-3987	56.7	21	-2.2	1.2	32	1.2	16.4	35.4	18.4
ND07-3994	55.6	24	-2.8	1.1	30	1.2	16.7	35.3	18.3
ND07-4050	59.2	13	-2.0	1.2	31	1.4	16.2	33.5	19.3
ND07-4635	61.8	9	1.2	1.3	27	2.0	17.9	34.2	18.5
OAC 09-17C	58.7	16	-1.8	1.4	27	1.3	18.1	35.0	18.7
OAC 09-35C	58.8	14	2.2	1.3	30	1.2	17.6	36.1	17.5
SD08CV-0015	64.9	4	5.8	1.5	34	1.5	18.0	35.4	17.7
SD08CV-0016	61.0	10	3.0	1.4	31	1.3	16.9	36.0	17.7
SD08CV-0018	65.0	3	1.4	1.2	30	1.1	15.9	34.3	18.6
SD08CV-0019	62.4	8	2.4	1.6	32	1.3	17.5	35.4	17.9
SD08CV-0024	58.3	18	0.7	1.3	26	1.3	16.3	36.1	17.5

111.0 Days After Planting

PRELIMINARY TEST 0, 2011

YIELD (bu/a)

Strain	Mean 5 Tests	Morris MN	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Bristol* SD	Volga SD
Sheyenne (0)	65.1	64.0	58.9	46.8	93.2	22.2	62.7
MN1410 (I)	69.4	61.1	66.0	59.7	91.2	30.3	68.8
Surge (L)	63.7	53.3	68.7	45.7	86.4	13.5	64.4
MN0095 (E)	50.3	45.5	43.4	44.2	65.7	17.2	52.6
M05-243040	57.4	51.4	53.0	43.8	77.6	20.5	61.2
M05-242024	48.6	37.6	40.2	40.3	74.9	10.1	49.9
M05-315068	55.7	45.8	54.7	45.0	77.2	24.8	56.0
M05-353148	60.0	55.6	54.5	46.7	82.5	23.6	60.8
M05-363022	64.9	62.6	59.7	53.4	82.6	11.0	66.4
M05-363031	55.5	53.4	48.5	46.0	66.9	27.5	62.7
M05-364040	49.7	47.8	40.8	37.2	69.5	28.6	53.3
ND07-1816	59.7	50.7	57.8	45.7	85.9	14.3	58.2
ND07-1967	55.3	53.2	47.9	46.6	74.6	33.7	54.1
ND07-2205	64.4	58.9	59.8	43.5	91.8	32.2	67.8
ND07-2226	55.5	44.5	47.9	42.9	79.7	10.3	62.4
ND07-2307	58.7	50.6	54.5	47.1	75.1		66.0
ND07-2334	57.1	50.2	52.6	47.3	70.1	19.1	65.3
ND07-2347	56.1	55.4	38.7	40.7	77.4	25.8	68.2
ND07-2359	58.8	54.1	56.5	43.6	77.4		62.3
ND07-3512	53.0	51.4	43.6	42.5	67.4	15.3	60.2
ND07-3664	51.5	48.1	38.6	42.8	70.1	21.2	57.7
ND07-3987	56.7	52.1	54.2	44.5	72.0	20.8	60.8
ND07-3994	55.6	45.9	53.0	43.0	76.9	29.4	59.3
ND07-4050	59.2	49.9	53.5	44.6	80.5	29.2	67.4
ND07-4635	61.8	55.4	51.4	52.9	87.0	33.7	62.5
OAC 09-17C	58.7	52.5	53.2	43.5	85.2	27.3	58.9
OAC 09-35C	58.8	50.4	55.1	51.0	78.3	18.2	59.3
SD08CV-0015	64.9	54.3	62.0	52.9	81.2	21.8	73.9
SD08CV-0016	61.0	47.7	59.6	44.9	85.2	29.8	67.8
SD08CV-0018	65.0	56.1	53.1	50.4	93.5	25.0	71.8
SD08CV-0019	62.4	57.5	49.1	50.5	85.0	35.8	69.8
SD08CV-0024	58.3	54.5	48.3	43.2	79.9	33.2	65.4
Location Mean		52.2	52.5	46.0	79.4	23.5	62.4
C.V. (%)		6.3	8.8	6.6	7.0	50.0	8.0
L.S.D. (5%)		6.7	9.6	6.3	14.3	24.5	10.6
Row Sp. (In.)		30	14	14	7	30	30
Rows/Plot		2	4	4	5	4	4
Reps		2	2	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST 0, 2011

YIELD RANK

Strain	Yield Rank	Morris MN	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Bristol SD	Volga SD
Sheyenne (0)	2	1	7	10	2	17	14
MN1410 (I)	1	3	2	1	4	6	4
Surge (L)	7	14	1	14	6	27	13
MN0095 (E)	30	30	28	20	32	24	31
M05-243040	19	18	18	21	18	21	19
M05-242024	32	32	30	31	24	30	32
M05-315068	23	29	11	16	21	15	28
M05-353148	11	7	12	11	12	16	20
M05-363022	4	2	5	2	11	28	9
M05-363031	25	13	23	13	31	11	14
M05-364040	31	26	29	32	29	10	30
ND07-1816	12	20	8	14	7	26	26
ND07-1967	27	15	25	12	25	2	29
ND07-2205	6	4	4	23	3	5	6
ND07-2226	25	31	25	27	16	29	17
ND07-2307	16	21	12	9	23		10
ND07-2334	20	23	20	8	27	22	12
ND07-2347	22	8	31	30	19	13	5
ND07-2359	14	12	9	22	20		18
ND07-3512	28	18	27	29	30	25	22
ND07-3664	29	25	32	28	28	19	27
ND07-3987	21	17	14	19	26	20	20
ND07-3994	24	28	18	26	22	8	23
ND07-4050	13	24	15	18	14	9	8
ND07-4635	9	8	21	3	5	2	16
OAC 09-17C	16	16	16	23	8	12	25
OAC 09-35C	14	22	10	5	17	23	23
SD08CV-0015	4	11	3	3	13	18	1
SD08CV-0016	10	27	6	17	9	7	6
SD08CV-0018	3	6	17	7	1	14	2
SD08CV-0019	8	5	22	6	10	1	3
SD08CV-0024	18	10	24	25	15	4	11

PRELIMINARY TEST 0, 2011

MATURITY (date)

Strain	Mean 6 Tests	Morris* MN	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Bristol SD	Volga* SD
Sheyenne (0)	9/21	9/15	9/26	9/23	10/4	9/20	9/9
MN1410 (I)	5.8		5	5	3	5	11
Surge (L)	0.0	0	-3	2	-4	2	3
MN0095 (E)	-5.8	-7	-7	-5	-8	-5	-3
M05-243040	-1.7	-3	-3	1	-13	5	3
M05-242024	-1.7	-3	-4	1	-6	3	-1
M05-315068	-2.2	-2	-4	0	-8	3	-2
M05-353148	2.0		-1	6	-3	3	5
M05-363022	1.6		-3	3	-7	5	10
M05-363031	-0.7	-3	-4	3	-6	2	4
M05-364040	-2.8	0	-5	1	-9	-1	-3
ND07-1816	1.6		-2	5	-3	3	5
ND07-1967	3.3	-1	-1	4	2	5	11
ND07-2205	1.0	-1	-3	11	-1	0	0
ND07-2226	0.0	-1	-3	-2	0	3	3
ND07-2307	1.4	-1	-2	4	2		4
ND07-2334	1.0	-1	-2	0	3	2	4
ND07-2347	-1.3	-2	-3	3	-5	2	-3
ND07-2359	-2.6	-2	-8	4	-4		-3
ND07-3512	-0.5	-2	-4	2	-6	4	3
ND07-3664	-0.8	-1	-7	3	-5	5	0
ND07-3987	-2.2	-1	-6	-1	-7	-1	3
ND07-3994	-2.8	-1	-7	-4	-7	3	-1
ND07-4050	-2.0	-2	-6	2	-5	0	-1
ND07-4635	1.2	1	-1	3	-3	3	4
OAC 09-17C	-1.8	-1	-6	2	-8	2	0
OAC 09-35C	2.2		0	5	-3	5	4
SD08CV-0015	5.8		3	8	3	4	11
SD08CV-0016	3.0		1	5	-3	2	10
SD08CV-0018	1.4		-1	3	-4	5	4
SD08CV-0019	2.4		-1	4	-1	3	7
SD08CV-0024	0.7	0	-3	4	-2	2	3
Date Planted	6/2	5/25	6/3	6/16	6/7	6/6	5/18
Days to Mature	111	113	115	99	119	106	114

* Killing Frost: Morris, MN 15 Sept; Volga, SD 15 Sept

PRELIMINARY TEST 0, 2011

LODGING (score)

Strain	Mean 6 Tests	Morris MN	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Bristol SD	Volga SD
Sheyenne (0)	1.2	1.0	1.7	1.0	1.5	1.0	1.0
MN1410 (I)	1.2	1.0	1.0	1.2	1.0	1.0	2.0
Surge (L)	1.0	1.0	1.1	1.1	1.0	1.0	1.0
MN0095 (E)	1.4	1.0	1.1	1.0	1.0	1.0	3.0
M05-243040	1.4	1.0	1.2	1.0	1.0	1.0	3.0
M05-242024	2.1	1.0	3.3	1.0	2.0	1.0	4.0
M05-315068	1.4	1.0	1.0	1.1	1.0	1.0	3.0
M05-353148	1.4	1.0	1.1	1.0	1.5	1.0	3.0
M05-363022	1.4	1.0	1.4	1.0	1.0	1.0	3.0
M05-363031	1.5	1.0	1.7	1.0	1.0	1.0	3.0
M05-364040	1.2	1.0	1.0	1.1	1.0	1.0	2.0
ND07-1816	1.6	1.0	1.5	1.0	1.0	1.0	4.0
ND07-1967	1.4	1.0	1.1	1.0	1.0	1.0	3.0
ND07-2205	1.0	1.0	1.2	1.0	1.0	1.0	1.0
ND07-2226	1.5	1.0	1.1	1.0	1.0	1.0	4.0
ND07-2307	1.3	1.0	1.3	1.0	1.0		2.0
ND07-2334	1.5	1.0	1.6	1.1	1.0	1.0	3.0
ND07-2347	1.6	1.0	2.8	1.0	1.0	1.0	3.0
ND07-2359	1.0	1.0	1.2	1.0	1.0		1.0
ND07-3512	1.3	1.0	1.0	1.0	1.0	1.0	3.0
ND07-3664	1.1	1.0	1.4	1.3	1.0	1.0	1.0
ND07-3987	1.2	1.0	1.4	1.0	1.0	1.0	2.0
ND07-3994	1.1	1.0	1.7	1.0	1.0	1.0	1.0
ND07-4050	1.2	1.0	1.0	1.0	1.0	1.0	2.0
ND07-4635	1.3	1.0	1.0	1.0	1.0	1.0	3.0
OAC 09-17C	1.4	1.0	1.3	1.0	1.0	1.0	3.0
OAC 09-35C	1.3	1.0	1.8	1.0	1.0	1.0	2.0
SD08CV-0015	1.5	1.0	1.0	1.0	1.0	1.0	4.0
SD08CV-0016	1.4	1.0	1.1	1.1	1.0	1.0	3.0
SD08CV-0018	1.2	1.0	1.4	1.0	1.0	1.0	2.0
SD08CV-0019	1.6	1.0	1.6	1.0	1.0	1.0	4.0
SD08CV-0024	1.3	1.0	1.6	1.0	1.0	1.0	2.0

PRELIMINARY TEST 0, 2011

PLANT HEIGHT (inches)

Strain	Mean 5 Tests	Morris MN	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Bristol SD	Volga SD
Sheyenne (0)	31		32	35	24	25	40
MN1410 (I)	34		35	36	28	28	44
Surge (L)	30		31	34	21	18	47
MN0095 (E)	25		25	31	17	16	36
M05-243040	25		24	27	18	14	40
M05-242024	31		36	37	25	15	40
M05-315068	31		32	34	25	16	47
M05-353148	33		33	29	25	27	50
M05-363022	28		24	35	24	14	42
M05-363031	27		24	30	22	22	37
M05-364040	27		27	30	20	25	35
ND07-1816	30		34	32	24	16	43
ND07-1967	32		31	32	23	28	47
ND07-2205	26		25	26	22	22	36
ND07-2226	26		26	25	17	18	43
ND07-2307	29		26	28	17		44
ND07-2334	27		25	32	18	20	38
ND07-2347	29		30	28	19	20	46
ND07-2359	27		25	31	19		33
ND07-3512	26		28	31	21	14	35
ND07-3664	24		24	28	17	18	35
ND07-3987	32		33	33	23	28	42
ND07-3994	30		28	30	25	24	44
ND07-4050	31		29	31	22	25	47
ND07-4635	27		27	26	22	20	38
OAC 09-17C	27		26	31	21	18	38
OAC 09-35C	30		29	34	21	24	44
SD08CV-0015	34		34	35	25	27	48
SD08CV-0016	31		31	30	24	27	42
SD08CV-0018	30		31	33	25	17	46
SD08CV-0019	32		33	34	24	25	45
SD08CV-0024	26		24	30	18	21	39

PRELIMINARY TEST 0, 2011

SEED QUALITY (score)

Strain	Mean 6 Tests	Morris MN	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Bristol SD	Volga SD
Sheyenne (0)	1.6	2.0	2.0	1.5	2.0	1.0	1.0
MN1410 (I)	1.1	1.0	1.0	1.0	1.5	1.0	1.0
Surge (L)	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MN0095 (E)	1.3	1.0	1.5	1.5	1.0	2.0	1.0
M05-243040	1.2	1.0	1.5	1.5	1.0	1.0	1.0
M05-242024	1.3	1.0	1.5	1.5	2.0	1.0	1.0
M05-315068	1.3	2.0	1.5	1.0	1.0	1.0	1.0
M05-353148	1.2	1.0	1.5	1.5	1.0	1.0	1.0
M05-363022	1.4	2.0	2.0	1.0	1.5	1.0	1.0
M05-363031	1.4	1.0	2.0	1.0	1.5	2.0	1.0
M05-364040	1.6	2.0	2.0	1.5	2.0	1.0	1.0
ND07-1816	1.5	3.0	1.5	1.5	1.0	1.0	1.0
ND07-1967	1.3	2.0	1.5	1.0	1.5	1.0	1.0
ND07-2205	1.8	1.0	2.0	2.0	2.0	2.0	2.0
ND07-2226	1.2	1.0	1.0	1.5	1.5	1.0	1.0
ND07-2307	1.4	1.0	1.5	2.0	1.5		1.0
ND07-2334	1.2	1.0	1.5	1.0	1.5	1.0	1.0
ND07-2347	1.6	3.0	1.5	1.5	1.5	1.0	1.0
ND07-2359	1.3	2.0	1.5	1.0	1.0		1.0
ND07-3512	1.3	2.0	1.5	1.0	1.5	1.0	1.0
ND07-3664	1.6	1.0	1.0	1.0	2.5	3.0	1.0
ND07-3987	1.2	1.0	2.0	1.0	1.0	1.0	1.0
ND07-3994	1.2	1.0	1.5	1.5	1.0	1.0	1.0
ND07-4050	1.4	2.0	1.5	1.0	2.0	1.0	1.0
ND07-4635	2.0	2.0	2.0	2.0	2.0	1.0	3.0
OAC 09-17C	1.3	1.0	1.5	1.0	2.0	1.0	1.0
OAC 09-35C	1.2	1.0	1.5	1.0	1.5	1.0	1.0
SD08CV-0015	1.5	2.0	1.5	2.0	1.5	1.0	1.0
SD08CV-0016	1.3	1.0	1.5	2.0	1.0	1.0	1.0
SD08CV-0018	1.1	1.0	1.5	1.0	1.0	1.0	1.0
SD08CV-0019	1.3	1.0	1.5	2.0	1.5	1.0	1.0
SD08CV-0024	1.3	2.0	1.5	1.5	1.0	1.0	1.0

PRELIMINARY TEST 0, 2011

SEED SIZE (g/100)

Strain	Mean 6 Tests	Morris MN	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Bristol SD	Volga SD
Sheyenne (0)	16.5	17.5	19.4	15.7	18.2	12.8	15.5
MN1410 (I)	18.2	16.2	23.3	18.7	21.4	13.1	16.5
Surge (L)	19.9	19.8	23.5	20.3	23.1	14.9	17.7
MN0095 (E)	14.2	13.5	16.0	13.1	15.5	11.8	15.3
M05-243040	17.7	17.8	20.7	17.0	19.8	14.0	17.0
M05-242024	15.9	14.6	20.3	15.8	17.7	13.2	13.9
M05-315068	16.1	15.5	20.4	15.2	17.3	12.7	15.6
M05-353148	16.3	15.6	19.8	17.5	17.5	12.1	15.0
M05-363022	17.0	16.5	21.0	17.3	18.5	12.7	16.0
M05-363031	15.8	15.7	18.0	15.8	17.8	12.4	15.3
M05-364040	17.4	15.0	20.3	16.3	21.1	14.9	17.0
ND07-1816	17.0	16.5	19.6	17.2	18.6	13.4	16.6
ND07-1967	14.6	14.5	16.9	14.3	16.2	11.8	14.0
ND07-2205	17.1	16.2	19.5	18.2	18.7	13.4	16.5
ND07-2226	14.7	14.2	17.1	14.0	17.8	11.7	13.5
ND07-2307	17.4	16.4	18.9	15.5	19.5		16.5
ND07-2334	14.6	14.3	16.5	14.7	17.1	10.4	14.4
ND07-2347	15.0	15.6	17.5	14.5	16.5	12.1	14.0
ND07-2359	16.7	16.4	17.7	15.6	19.0		14.6
ND07-3512	18.0	17.0	21.9	19.1	19.2	13.5	17.5
ND07-3664	16.4	15.9	19.5	16.8	18.7	13.2	14.3
ND07-3987	16.4	15.6	18.9	16.4	18.3	12.5	16.9
ND07-3994	16.7	17.0	19.2	16.5	18.4	13.1	15.8
ND07-4050	16.2	16.2	18.8	14.1	18.8	14.2	15.0
ND07-4635	17.9	16.9	21.2	18.3	19.6	14.0	17.6
OAC 09-17C	18.1	16.6	20.3	18.4	20.9	14.6	17.6
OAC 09-35C	17.6	16.1	21.5	18.3	20.9	13.1	15.7
SD08CV-0015	18.0	16.0	21.0	15.9	21.9	15.4	17.7
SD08CV-0016	16.9	14.8	19.1	21.4	18.9	11.2	16.1
SD08CV-0018	15.9	15.1	16.7	16.4	19.2	12.9	14.8
SD08CV-0019	17.5	16.0	19.8	17.5	21.1	14.3	16.5
SD08CV-0024	16.3	16.1	17.7	16.6	18.9	13.2	15.1

PRELIMINARY TEST 0, 2011

PROTEIN (%)

Strain	Mean 4 Tests	Morris MN	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	SD
Sheyenne (0)	34.5	32.6	35.9	35.1	34.2	
MN1410 (I)	36.0	33.7	38.1	37.2	35.1	
Surge (L)	36.8	34.9	37.8	37.8	36.6	
MN0095 (E)	35.3	34.4	36.3	36.3	34.3	
M05-243040	36.7	36.0	37.9	37.2	35.6	
M05-242024	34.7	32.6	36.7	35.8	33.8	
M05-315068	35.8	34.8	37.9	35.4	35.1	
M05-353148	35.7	33.7	36.7	37.4	34.8	
M05-363022	35.6	33.9	36.8	36.6	35.1	
M05-363031	34.6	33.5	35.2	35.6	34.2	
M05-364040	36.1	34.6	37.2	37.1	35.4	
ND07-1816	34.6	33.5	35.4	35.9	33.4	
ND07-1967	34.0	32.2	35.1	34.6	33.9	
ND07-2205	34.3	32.9	35.4	35.6	33.1	
ND07-2226	33.0	31.8	33.6	34.5	32.4	
ND07-2307	34.3	32.7	34.0	36.3	34.4	
ND07-2334	33.2	31.3	34.3	35.1	32.2	
ND07-2347	33.7	32.3	35.4	35.9	31.3	
ND07-2359	33.8	32.2	34.5	35.6	32.8	
ND07-3512	36.0	34.4	37.1	37.7	34.8	
ND07-3664	34.5	33.0	35.7	35.7	33.8	
ND07-3987	35.4	34.4	36.3	35.2	35.5	
ND07-3994	35.3	34.6	36.1	35.6	35.0	
ND07-4050	33.5	32.3	34.6	34.9	32.4	
ND07-4635	34.2	32.0	35.8	36.0	32.9	
OAC 09-17C	35.0	33.4	36.7	36.2	33.8	
OAC 09-35C	36.1	34.2	37.0	37.8	35.4	
SD08CV-0015	35.4	33.6	36.9	36.1	35.0	
SD08CV-0016	36.0	34.5	35.6	38.3	35.5	
SD08CV-0018	34.3	33.0	34.6	35.5	34.2	
SD08CV-0019	35.4	33.5	36.1	37.2	34.6	
SD08CV-0024	36.1	34.4	37.4	37.5	35.1	

* Protein and Oil values converted to 13% moisture basis.

PRELIMINARY TEST 0, 2011

OIL (%)

Strain	Mean 4 Tests	Morris MN	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	SD
Sheyenne (0)	18.1	18.5	17.9	17.7	18.1	
MN1410 (I)	18.1	18.4	18.3	17.7	17.9	
Surge (L)	17.7	18.0	17.9	17.1	17.8	
MN0095 (E)	18.1	18.0	18.2	17.4	18.9	
M05-243040	17.2	16.7	17.2	17.1	17.8	
M05-242024	18.2	18.8	18.1	17.5	18.4	
M05-315068	18.4	18.3	18.3	18.6	18.3	
M05-353148	17.9	18.3	17.8	17.2	18.1	
M05-363022	17.8	18.2	17.7	17.3	18.1	
M05-363031	17.6	17.8	17.7	17.2	17.7	
M05-364040	17.8	17.7	17.7	17.6	18.0	
ND07-1816	17.8	17.9	17.7	17.3	18.2	
ND07-1967	18.1	18.3	18.0	17.8	18.3	
ND07-2205	18.8	18.4	19.2	18.7	19.0	
ND07-2226	19.3	19.2	19.1	19.1	19.8	
ND07-2307	18.7	18.6	19.2	17.9	18.9	
ND07-2334	18.8	19.1	18.9	18.3	19.1	
ND07-2347	18.9	18.9	18.4	18.5	19.9	
ND07-2359	18.8	18.7	19.1	18.2	19.2	
ND07-3512	17.8	18.0	17.7	17.1	18.4	
ND07-3664	18.1	18.2	18.2	17.7	18.4	
ND07-3987	18.4	18.4	18.3	18.7	18.2	
ND07-3994	18.3	18.0	18.4	18.6	18.4	
ND07-4050	19.3	19.6	19.1	18.5	20.0	
ND07-4635	18.5	18.8	18.4	18.3	18.4	
OAC 09-17C	18.7	18.9	18.4	18.5	18.9	
OAC 09-35C	17.5	17.9	17.5	17.0	17.8	
SD08CV-0015	17.7	17.7	17.0	18.4	17.7	
SD08CV-0016	17.7	18.3	17.7	17.0	17.8	
SD08CV-0018	18.6	18.9	18.4	18.4	18.9	
SD08CV-0019	17.9	17.9	17.7	17.5	18.3	
SD08CV-0024	17.5	18.0	17.0	17.1	17.9	

Uniform Test I, 2011

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1	MN1410 (I)	unknown	Orf	6	F5	BSR
2.	IA1022 (SCN)	Dairyland 98822 x A00-711024	Fehr	5	F5	SCN
3.	Sheyenne (0)	Pioneer 9071 x A96-492041	Helms	4	F4	Rps1-c
4.	A07-427027	A02-136021 x Dairyland 99733	Fehr	1	F4	
5.	AR08-186008	Golden Harvest H-2285 x AR02-101001	Cianzio	1	F3	BSR
6.	M03-165068	NE1900 x MN0304	Orf	1	F5	Rps1k
7.	SD07CV-523	IA2052 x Pion 9092	Jiang	PTI	F8	Oil

UNIFORM TEST I, 2011

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Humboldt IA	Chlorosis Score Danvers MN	Shattering Score Manhattan KS	Green Stem Score Lafayette IN	SDS DX Manito IL
MN1410 (I)	WGBIYBfI	3.3	3.8	4.0	1.0	19
IA1022 (SCN)	PGTSYYI	4.7	2.8	2.0	1.0	24
Sheyenne (0)	PGBIYYI	2.8	2.8	3.0	1.0	7
A07-427027	PGBDYYI	2.9	2.5	2.0	1.0	8
AR08-186008	P+WTBDYBl+IbI	4.0	3.3	3.0	1.0	9
M03-165068	WGTDYLbfI	2.6	2.8	3.0	1.0	8
SD07CV-523	WGBDYBfI	3.8	4.3	3.0	1.0	2
M00-456052(res)						1
M97-357138(sus)						10
AR10SDS(res)						0
Myc 5171 RR(ints)						17
Venus RR(intr)						5
P>0.05						0.195
LSD						

UNIFORM TEST I, 2011

REGIONAL SUMMARY

No. of Tests Strain	Yield 15 bu/a	Rank 15 No.	Maturity 13 Date	Lodging 13 Score	Plant Height 13 In.	Seed Quality 11 Score	Seed Size 15 g/100	Composition Protein 3 %	 Oil 3 %
MN1410 (I)	57.7	5	9/19	1.8	35	1.8	16.2	33.9	19.1
IA1022 (SCN)	58.5	3	5.8	2.0	34	1.8	14.7	31.2	19.6
Sheyenne (0)	47.8	7	-6.4	1.6	30	2.3	15.8	32.7	19.4
A07-427027	60.5	1	8.7	1.7	35	2.1	15.1	33.4	17.7
AR08-186008	60.5	1	4.9	1.5	31	1.8	14.6	33.8	18.3
M03-165068	58.5	3	-0.2	1.8	33	1.8	14.4	33.5	18.7
SD07CV-523	54.0	6	-1.7	1.5	33	1.9	13.8	33.0	19.3

123.2 Days After Planting

UNIFORM TEST I, 2011

2010-2011 2-YEAR MEAN

No. of Tests Strain	Yield 29 bu/a	Rank 29 No.	Maturity 26 Date	Lodging 28 Score	Plant Height 27 In.	Seed Quality 20 Score	Seed Size 31 g/100	Composition Protein 13 %	 Oil 13 %
MN1410 (I)	58.7	5	9/17	1.8	35	1.7	15.8	34.5	18.8
IA1022 (SCN)	60.0	3	4.8	1.9	34	1.6	14.4	32.4	19.4
Sheyenne (0)	50.1	6	-6.1	1.5	31	2.0	15.7	33.4	19.0
A07-427027	62.3	2	7.3	1.5	35	1.8	14.8	33.8	17.8
AR08-186008	63.3	1	4.3	1.5	33	1.6	14.5	34.3	18.0
M03-165068	59.6	4	-1.0	1.7	32	1.7	14.2	33.9	18.4

121.2 Days After Planting

UNIFORM TEST I, 2011

YIELD (bu/a)

Strain	Mean 15 Tests	Charles City IA	Eldora IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN
MN1410 (I)	57.7	67.3	63.3	62.7	40.7	46.8	58.5	35.2	54.0
IA1022 (SCN)	58.5	64.8	59.9	64.4	40.7	60.1	66.9	35.5	46.9
Sheyenne (0)	47.8	38.7	48.4	48.0	26.7	48.4	63.6	26.4	47.7
A07-427027	60.5	65.8	70.8	63.6	46.6	55.2	60.5	34.2	45.8
AR08-186008	60.5	67.9	62.1	64.7	42.9	60.2	63.7	44.4	52.6
M03-165068	58.5	73.0	55.4	64.8	36.3	57.2	65.6	36.9	59.2
SD07CV-523	54.0	65.7	56.8	63.3	35.2	52.4	61.6	29.1	52.8
Location Mean		63.3	59.5	61.6	38.4	54.3	62.9	34.5	51.3
C.V. (%)		6.2	4.7	6.9	5.9	6.2	4.2	13.6	10.1
L.S.D. (5%)		9.6	6.8	10.4	4.0	6.0	5.1	9.1	9.0
Row Sp. (In.)		27	27	30	30	30	15	15	30
Rows/Plot		4	4	4	4	4	6	6	4
Reps		2	2	2	3	3	2	2	3

*Data not included in mean.

UNIFORM TEST I, 2011

YIELD RANK

Strain	Yield Rank	Charles City IA	Eldora IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN
MN1410 (I)	5	3	2	6	3	7	7	4	2
IA1022 (SCN)	3	6	4	3	3	2	1	3	6
Sheyenne (0)	7	7	7	7	7	6	4	7	5
A07-427027	1	4	1	4	1	4	6	5	7
AR08-186008	1	2	3	2	2	1	3	1	4
M03-165068	3	1	6	1	5	3	2	2	1
SD07CV-523	6	5	5	5	6	5	5	6	3

UNIFORM TEST I, 2011

YIELD (bu/a)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Ridgetown ONT	St. Hyacinthe Que.	Volga* SD	Watertown SD
MN1410 (I)	51.7	48.1	78.6	77.9	70.6	65.4	59.4	45.3
IA1022 (SCN)	52.0	50.8	71.4	82.4	78.2	58.5	63.8	45.0
Sheyenne (0)	43.3	38.4	63.7	63.7	71.9	54.2	44.1	34.4
A07-427027	39.5	64.8	79.9	90.5	82.6	64.9	40.8	43.2
AR08-186008	54.1	58.4	66.4	92.8	76.4	59.0	62.9	42.1
M03-165068	51.0	52.3	70.6	81.6	71.3	56.2	64.6	45.5
SD07CV-523	49.5	46.7	62.1	73.0	69.8	57.8	59.1	33.6
Location Mean	48.7	51.4	70.4	80.3	74.4	59.4	56.4	41.3
C.V. (%)	15.1	5.5	10.4	4.8	5.4		23.0	11.0
L.S.D. (5%)	12.9	6.9	17.9	9.4	4.4		23.1	7.7
Row Sp. (In.)	30	30	30	30	17	12.5	30	30
Rows/Plot	4	4	4	4	5	4	4	4
Reps	3	2	2	2	3	3	3	3

UNIFORM TEST I, 2011

YIELD RANK

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Ridgetown ONT	St. Hyacinthe Que.	Volga SD	Watertown SD
MN1410 (I)	3	5	2	5	6	1	4	2
IA1022 (SCN)	2	4	3	3	2	4	2	3
Sheyenne (0)	6	7	6	7	4	7	6	6
A07-427027	7	1	1	2	1	2	7	4
AR08-186008	1	2	5	1	3	3	3	5
M03-165068	4	3	4	4	5	6	1	1
SD07CV-523	5	6	7	6	7	5	5	7

UNIFORM TEST I, 2011

MATURITY (date)

Strain	Mean 13 Tests	Charles City IA	Eldora IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN
MN1410 (I)	9/19		9/12	9/12	10/6	9/14		9/13	9/19
IA1022 (SCN)	5.8		8	8	4	14		3	8
Sheyenne (0)	-6.4		-12	-11	-12	-1		-2	-7
A07-427027	8.7		19	15	10	16		5	10
AR08-186008	4.9		9	8	8	18		2	7
M03-165068	-0.2		-1	1	-4	7		-1	1
SD07CV-523	-1.7		-3	-2	-6	4		-2	-2
Date Planted	5/19	5/12	5/9	5/3	5/17	6/7	6/5	5/11	5/11
Days to Mature	123		126	132	142	99		125	131

UNIFORM TEST I, 2011

LODGING (score)

Strain	Mean 13 Tests	Charles City IA	Eldora IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN
MN1410 (I)	1.8	2.5	2.8	1.8	1.0	1.0	2.0	1.0	2.0
IA1022 (SCN)	2.0	2.5	2.5	2.0	1.0	1.0	2.0	1.0	3.0
Sheyenne (0)	1.6	1.8	2.0	1.5	1.3	1.0	2.0	1.0	1.0
A07-427027	1.7	2.0	2.5	2.0	1.0	1.0	2.0	1.0	2.0
AR08-186008	1.5	1.8	2.5	1.5	1.0	1.0	1.5	1.0	1.3
M03-165068	1.8	2.3	2.0	1.5	1.3	1.0	3.0	1.0	1.7
SD07CV-523	1.5	1.8	2.0	1.5	1.0	1.0	2.5	1.0	1.0

UNIFORM TEST I, 2011

MATURITY (date)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Ridgetown ONT	St. Hyacinthe Que.	Volga* SD	Watertown* SD
MN1410 (I)	9/20	9/16		9/13	9/24	10/6	9/16	9/23
IA1022 (SCN)	3	-1		7	10	3	9	0
Sheyenne (0)	-9	-4		-9	-7	-8	-4	2
A07-427027	2	10		10	8	2	9	-3
AR08-186008	2	-6		-4	5	2	7	6
M03-165068	0	-6		-4	5	-3	0	2
SD07CV-523	-4	-2		-1	-5	-1	-1	2
Date Planted	5/19	5/9	6/3	5/17	6/3	5/25	5/18	5/17
Days to Mature	124	130		119	113	134	121	129

* Killing Frost: Volga, SD 15 Sept; Watertown, SD 15 Sept

UNIFORM TEST I, 2011

LODGING (score)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Ridgetown ONT	St. Hyacinthe Que.	Volga SD	Watertown SD
MN1410 (I)	2.0				2.0	1.3	3.0	1.0
IA1022 (SCN)	2.3				2.0	2.0	4.0	1.0
Sheyenne (0)	2.0				1.7	1.3	3.0	1.0
A07-427027	2.0				1.3	1.3	3.0	1.0
AR08-186008	2.0				1.7	1.7	2.0	1.0
M03-165068	2.0				2.0	1.7	3.0	1.0
SD07CV-523	2.0				1.3	1.0	3.0	1.0

UNIFORM TEST I, 2011

PLANT HEIGHT (inches)

Strain	Mean 13 Tests	Charles City IA	Eldora IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN
MN1410 (I)	35	39	41	39	29	33	39	21	36
IA1022 (SCN)	34	38	34	32	29	32	42	24	36
Sheyenne (0)	30	30	33	28	23	29	38	19	31
A07-427027	35	39	43	40	31	33	42	22	36
AR08-186008	31	38	37	35	28	32	39	23	33
M03-165068	33	33	35	32	24	31	41	21	36
SD07CV-523	33	33	36	33	27	30	42	18	33

UNIFORM TEST I, 2011

SEED QUALITY (score)

Strain	Mean 11 Tests	Charles City IA	Eldora IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN
MN1410 (I)	1.8			2.0	3.5	1.5			2.0
IA1022 (SCN)	1.8			1.0	3.5	1.5			1.0
Sheyenne (0)	2.3			4.0	2.5	1.5			2.0
A07-427027	2.1			2.0	3.0	1.5			2.0
AR08-186008	1.8			2.0	3.0	1.5			1.0
M03-165068	1.8			2.0	3.0	1.0			2.0
SD07CV-523	1.9			2.0	2.5	1.5			2.0

UNIFORM TEST I, 2011

SEED SIZE (g/100)

Strain	Mean 15 Tests	Charles City IA	Eldora IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN
MN1410 (I)	16.2	15.2	15.6	16.0	14.8	14.0	20.0	16.3	16.0
IA1022 (SCN)	14.7	13.5	15.0	13.8	15.1	13.6	18.9	15.2	13.7
Sheyenne (0)	15.8	12.9	17.5	15.7	15.8	14.0	19.0	16.4	16.0
A07-427027	15.1	14.0	16.1	14.9	16.6	13.8	18.8	14.7	14.2
AR08-186008	14.6	13.8	14.3	13.8	15.6	13.6	18.1	15.2	13.5
M03-165068	14.4	14.3	13.5	13.0	13.9	12.7	18.9	14.3	14.3
SD07CV-523	13.8	13.5	13.4	13.2	12.6	12.7	16.1	13.3	15.5

UNIFORM TEST I, 2011

PLANT HEIGHT (inches)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Ridgetown ONT	St. Hyacinthe Que.	Volga SD	Watertown SD
MN1410 (I)	37				37	30	43	29
IA1022 (SCN)	38				38	29	44	26
Sheyenne (0)	30				36	28	41	30
A07-427027	36				37	31	44	25
AR08-186008	34				35	28	42	7
M03-165068	35				36	30	43	31
SD07CV-523	35				37	27	44	32

UNIFORM TEST I, 2011

SEED QUALITY (score)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Ridgetown ONT	St. Hyacinthe Que.	Volga SD	Watertown SD
MN1410 (I)	1.0	2.0		1.0	1.7	2.7	1.0	1.0
IA1022 (SCN)	1.0	3.0		1.0	2.0	3.0	2.0	1.0
Sheyenne (0)	1.0	3.0		2.0	2.3	4.3	2.0	1.0
A07-427027	1.0	4.0		2.0	2.0	3.0	2.0	1.0
AR08-186008	1.0	3.0		1.0	1.7	3.0	2.0	1.0
M03-165068	1.0	2.0		1.0	2.0	2.7	2.0	1.0
SD07CV-523	1.0	3.0		1.0	2.3	3.0	-	1.0

UNIFORM TEST I, 2011

SEED SIZE (g/100)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Ridgetown ONT	St. Hyacinthe Que.	Volga SD	Watertown SD
MN1410 (I)	14.3	13.3		18.9	18.6	18.3	16.1	15.3
IA1022 (SCN)	12.3	12.5		15.9	18.6	16.6	13.7	12.3
Sheyenne (0)	13.5	14.5		18.5	16.2	16.5	15.6	14.3
A07-427027	12.1	13.5		16.3	18.6	17.6	13.6	11.5
AR08-186008	12.4	12.5		16.6	17.7	15.8	13.5	12.9
M03-165068	12.5	11.3		16.4	17.0	16.3	14.4	13.0
SD07CV-523	12.7	12.3		15.8	14.8	14.1	-	12.8

UNIFORM TEST I, 2011

PROTEIN (%)

Strain	Mean 3 Tests	IA	IA	IN	IN	MI	Lamberton MN	Waseca MN	SD	NE	Ridgetown ONT
MN1410 (I)	33.9						33.4	32.3			35.9
IA1022 (SCN)	31.2						30.0	29.3			34.4
Sheyenne (0)	32.7						32.3	31.4			34.3
A07-427027	33.4						32.3	31.7			36.1
AR08-186008	33.8						32.3	32.4			36.6
M03-165068	33.5						32.6	32.3			35.6
SD07CV-523	33.0						33.0	31.3			34.8

* Protein and Oil values converted to 13% moisture basis.

UNIFORM TEST I, 2011

OIL (%)

Strain	Mean 3 Tests	IA	IA	IN	IN	MI	Lamberton MN	Waseca MN	SD	NE	Ridgetown ONT
MN1410 (I)	19.1						18.8	19.0			19.5
IA1022 (SCN)	19.6						19.5	19.7			19.7
Sheyenne (0)	19.4						19.8	19.0			19.4
A07-427027	17.7						17.4	17.9			17.7
AR08-186008	18.3						18.5	18.3			18.0
M03-165068	18.7						18.6	18.7			18.8
SD07CV-523	19.3						18.8	19.1			19.9

Preliminary Test I, 2011

Ent.	Strain	Parentage	Seed Source	Gen. Comp.	Unique Traits
1	MN1410 (I)	unknown	Orf	F5	BSR
2.	IA1022 (SCN)	Dairyland 98822 x A00-711024	Fehr	F5	SCN
3.	Sheyenne (0)	Pioneer 9071 x A96-492041	Helms	F4	Rps1-c
4.	AR09-292004	Syngenta 03KL016094 x AR03-361019	Cianzio	F3	SDS
5.	AR10-106005	AR05-150109 x Syngenta 03JR321086	Cianzio	F3	BSR
6.	AR10-106008	AR05-150109 x Syngenta 03JR321086	Cianzio	F3	BSR
7.	AR10-106009	AR05-150109 x Syngenta 03JR321086	Cianzio	F3	BSR
8.	AR10-106010	AR05-150109 x Syngenta 03RM893902	Cianzio	F3	BSR
9.	AR10-106012	AR05-150109 x Syngenta 05KE307696	Cianzio	F3	BSR
10.	AR10-206097	AR04-874024 x Syngenta 05KE307696	Cianzio	F3	BSR
11.	M05-214049	ORC0302 x MN0302	Orf	F5	Rps1k
12.	M05-226053	M01-139011 x IA2064	Orf	F5	Rps1k, 3% Linolenic Acid
13.	M05-248041	MTC00-113-54-3 x MN1003SP	Orf	F5	Slow Wilting
14.	M05-251-5026	MTC00-115-74-7 x MTC00-113-30-9	Orf	F5	Slow Wilting
15.	M05-286085	M97-136016 x MN0905SP	Orf	F5	
16.	M05-307064	M00-516048 x M02-466298	Orf	F5	Rps1k, 2% Linolenic Acid
17.	M05-319032	M99-286047 x M02-466342	Orf	F5	Rps1c, 1% Linolenic Acid
18.	M05-328015	MN1009 x M99-103172	Orf	F5	Rps1k
19.	M05-328025	MN1009 x M99-103172	Orf	F5	
20.	M05-328089	MN1009 x M99-103172	Orf	F5	
21.	OAC 09-44C	U01-190127 x OAC 02-31	Rajcan	F5	
22.	U09-104003	OAC 05-21 x U03-300134	Graef	F5	Rps
23.	U09-104031	OAC 05-21 x LD01-5907	Graef	F5	SCN, Dt
24.	U09-105007	OAC 05-21 x U03-300134	Graef	F5	Rps, Dt
25.	U09-107025	OAC 05-21 x U03-200317	Graef	F5	Rps
26.	U09-117010	U01-190311 x U01-390489	Graef	F5	SCN,Rps,Dt
27.	U09-121002	U01-190311 x U03-300134	Graef	F5	Rps
28.	U09-127019	U01-390489 x U03-200317	Graef	F5	SCN,Rps, Dt
29.	U09-129007	U01-390489 x U03-200317	Graef	F5	SCN,Rps, Dt
30.	U09-209069	U01-190311 x U02-242055	Graef	F5	Rps1K
31.	U09-210042	U01-190311 x U03-200317	Graef	F5	Rps
32.	U09-210051	U01-190311 x U03-200317	Graef	F5	Rps
33.	U09-211070	U01-190311 x U03-300134	Graef	F5	Rps
34.	U09-306098	U01-190311 x U02-242055	Graef	F5	Rps1K
35.	SD08CV-1041	M96-355009 x M97-357138	Jiang	F5	
36.	SD08CV-1043	M96-355009 x M97-357138	Jiang	F5	
37.	SD08CV-1061	M96-355009 x M97-357138	Jiang	F5	
38.	SD08CV-1066	M96-355009 x M97-357138	Jiang	F5	
39.	SD08CV-1078	M96-355009 x M97-357138	Jiang	F5	
40.	SD08CV-1080	M96-355009 x M97-357138	Jiang	F5	
41.	SD08CV-1211	SD99-700 X M97-357138	Jiang	F5	

PRELIMINARY TEST I, 2011

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Danvers MN	Shattering Score Manhattan KS
MN1410 (I)	WGBIYBfI	2.5	3.0
IA1022 (SCN)	PGTSYYI	2.5	2.0
Sheyenne (0)	PGBIYYI	2.3	3.0
AR09-292004	PGBDYYI	2.0	2.0
AR10-106005	WT+GBDYSI	2.3	2.0
AR10-106008	WGBIYSI	2.3	2.0
AR10-106009	PT+LtBDYBl+BrI	2.5	2.0
AR10-106010	P+WTTIYBlI	2.3	2.0
AR10-106012	P+WTTSYBlI	2.0	2.0
AR10-206097	PTTDYBlI	2.5	2.0
M05-214049	WGTDYBfI	2.0	4.0
M05-226053	WGBDYYI	2.3	2.0
M05-248041	WTTDYBlI	2.3	4.0
M05-251-5026	PGBDYBfI	2.5	2.0
M05-286085	WGBDYBfI	2.3	3.0
M05-307064	PTBDYBlI	2.3	3.0
M05-319032	PTBDYBrI	2.5	3.0
M05-328015	WTTDYYI	2.3	2.0
M05-328025	WGB+TDYYI	2.3	3.0
M05-328089	PGBDYIbI	2.3	3.0
OAC 09-44C	WGBDYYI	1.8	3.0
U09-104003	PTBDYBlI	2.0	5.0
U09-104031	PTBDYBrD	2.3	4.0
U09-105007	PTBDYLbrD	2.0	3.0
U09-107025	PTBDYBrI	2.3	5.0
U09-117010	WGBDYYD	2.3	2.0
U09-121002	PLtBDYYI	2.0	3.0
U09-127019	PLtBSYBlD	2.3	2.0
U09-129007	WGBDYYD	2.0	3.0
U09-209069	WLt+GBDYYI	2.0	2.0
U09-210042	PLt+GBDYYI	2.0	2.0
U09-210051	PGBDYIbI	1.8	2.0
U09-211070	PGBDYYI	2.3	2.0
U09-306098	WGBDYYI	2.5	1.0
SD08CV-1041	WGBDYBf+YI	2.3	3.0
SD08CV-1043	PGBDYIbI	2.3	3.0
SD08CV-1061	WGBDYBfI	2.3	4.0
SD08CV-1066	WGBDYBf+YI	1.8	4.0
SD08CV-1078	P+WGBDYIb+BfI	2.0	4.0
SD08CV-1080	PGBDYIbI	2.0	4.0
SD08CV-1211	PGBDYIbI	2.0	4.0

PRELIMINARY TEST I, 2011

REGIONAL SUMMARY

No. of Tests Strain	Yield 11 bu/a	Rank 11 No.	Maturity 10 Date	Lodging 8 Score	Plant Height 9 In.	Seed Quality 10 Score	Seed Size 11 g/100	Composition Protein 3 %	 Oil 3 %
MN1410 (I)	59.5	15	9/17	1.8	37	2.2	16.0	33.7	19.3
IA1022 (SCN)	60.0	13	6.6	2.1	37	1.9	15.1	30.8	19.9
Sheyenne (0)	52.6	35	-6.8	1.5	33	2.3	15.5	32.3	19.3
AR09-292004	56.7	26	9.7	1.9	38	2.2	14.9	33.5	17.8
AR10-106005	61.2	7	8.7	1.6	37	2.1	15.5	33.8	18.2
AR10-106008	65.5	2	8.6	1.4	34	2.0	15.5	33.3	18.1
AR10-106009	60.3	11	7.7	1.6	40	1.9	15.4	34.3	17.3
AR10-106010	60.1	12	8.4	1.9	39	1.8	16.6	35.0	17.9
AR10-106012	56.0	28	9.6	1.7	40	1.9	15.1	35.4	17.7
AR10-206097	59.0	19	7.5	1.6	36	1.8	15.1	33.4	18.4
M05-214049	55.4	31	-1.2	2.0	37	1.7	14.8	34.2	18.4
M05-226053	52.8	34	-4.2	1.6	31	2.0	15.0	34.0	18.4
M05-248041	51.1	39	-5.3	1.7	35	1.9	16.7	34.9	18.3
M05-251-5026	48.2	41	8.6	1.9	40	1.9	14.3	34.1	18.5
M05-286085	48.7	40	-5.1	2.0	35	2.2	18.7	36.5	18.3
M05-307064	57.0	23	-2.9	1.9	34	2.0	15.2	35.1	18.9
M05-319032	51.6	37	-2.6	1.8	35	2.1	14.5	32.4	19.4
M05-328015	55.6	30	1.0	2.0	38	2.1	16.0	32.7	19.1
M05-328025	56.5	27	0.0	2.0	34	1.9	16.4	34.5	18.4
M05-328089	56.8	25	0.0	1.8	35	2.1	16.5	33.5	18.8
OAC 09-44C	51.8	36	-3.6	2.0	32	2.1	20.0	32.9	18.6
U09-104003	59.4	16	7.8	1.8	38	1.8	14.3	33.5	19.0
U09-104031	57.0	23	7.0	1.7	35	1.9	14.1	32.5	19.2
U09-105007	67.7	1	3.5	1.2	29	1.9	15.8	31.6	20.0
U09-107025	53.0	33	6.8	1.8	36	1.9	16.1	34.2	18.2
U09-117010	55.7	29	6.0	2.0	35	1.8	16.2	33.3	18.3
U09-121002	60.7	8	4.8	1.8	36	2.4	13.0	33.4	18.3
U09-127019	59.4	16	8.1	1.8	32	2.1	13.2	33.4	18.7
U09-129007	63.9	3	6.2	1.4	30	1.7	16.4	33.2	18.8
U09-209069	60.4	10	5.2	2.0	36	2.0	14.7	32.3	19.1
U09-210042	61.3	6	1.2	1.8	33	2.3	13.4	32.3	18.7
U09-210051	63.4	4	6.8	2.1	36	1.8	15.1	32.1	18.9
U09-211070	62.9	5	2.7	1.7	34	1.9	14.8	32.9	18.7
U09-306098	59.8	14	7.4	2.0	39	2.2	16.0	32.1	18.7
SD08CV-1041	60.7	8	-0.1	1.8	35	2.0	16.3	34.0	18.8
SD08CV-1043	59.4	16	0.1	1.7	35	2.1	15.8	33.0	19.1
SD08CV-1061	57.7	21	-0.8	2.0	35	1.9	15.9	34.1	18.4
SD08CV-1066	58.2	20	-2.2	1.7	33	2.0	16.1	33.3	19.0
SD08CV-1078	57.4	22	-1.1	1.7	34	1.8	14.2	34.6	18.1
SD08CV-1080	55.4	31	-4.6	1.8	38	2.2	15.4	34.0	18.8
SD08CV-1211	51.3	38	-4.0	1.7	32	2.3	15.5	35.3	18.5

120.5 Days After Planting

PRELIMINARY TEST I, 2011

YIELD (bu/a)

Strain	Mean 11 Tests	Kanawha IA	Lafayette* IN	Ingham County MI	Lamberton MN	Waseca MN
MN1410 (I)	59.5	62.3	33.6	57.9	46.2	52.6
IA1022 (SCN)	60.0	67.4	34.5	60.7	57.8	49.1
Sheyenne (0)	52.6	41.5	26.7	64.2	46.4	51.1
AR09-292004	56.7	59.4	32.0	63.2	50.5	48.3
AR10-106005	61.2	58.9	50.3	67.3	54.0	38.1
AR10-106008	65.5	63.8	44.3	70.3	61.5	41.9
AR10-106009	60.3	62.7	43.5	64.8	53.1	42.8
AR10-106010	60.1	64.2	49.9	63.1	54.4	41.9
AR10-106012	56.0	55.8	33.7	59.0	50.4	44.4
AR10-206097	59.0	60.4	39.5	57.8	50.8	48.1
M05-214049	55.4	60.2	28.9	50.6	55.5	49.9
M05-226053	52.8	49.5	26.5	56.0	47.3	43.0
M05-248041	51.1	52.5	22.9	54.2	46.0	50.9
M05-251-5026	48.2	49.8	18.3	57.8	44.0	42.6
M05-286085	48.7	45.5	28.7	61.6	40.5	41.8
M05-307064	57.0	53.9	31.6	56.0	52.9	53.8
M05-319032	51.6	58.7	27.9	54.8	57.1	50.9
M05-328015	55.6	58.5	29.7	59.5	54.0	51.0
M05-328025	56.5	58.0	30.5	64.4	49.6	51.1
M05-328089	56.8	59.1	34.6	52.8	56.8	51.0
OAC 09-44C	51.8	51.7	36.0	61.0	43.8	40.0
U09-104003	59.4	58.7	44.7	62.8	58.1	53.6
U09-104031	57.0	59.5	35.3	62.2	42.8	49.5
U09-105007	67.7	72.2	35.1	75.8	55.7	48.1
U09-107025	53.0	53.8	44.5	64.2	35.4	45.3
U09-117010	55.7	54.2	38.5	56.0	53.5	39.4
U09-121002	60.7	58.7	41.2	59.0	60.2	40.6
U09-127019	59.4	67.2	33.6	68.1	47.4	49.0
U09-129007	63.9	66.8	38.8	67.9	51.8	35.9
U09-209069	60.4	67.9	42.8	55.4	60.4	48.0
U09-210042	61.3	69.1	47.2	63.1	59.8	40.8
U09-210051	63.4	60.5	41.1	64.4	55.6	44.5
U09-211070	62.9	66.3	36.4	67.2	57.3	44.6
U09-306098	59.8	58.9	33.3	58.2	57.6	55.2
SD08CV-1041	60.7	65.9	35.3	63.6	55.3	49.0
SD08CV-1043	59.4	63.8	36.1	59.2	52.4	50.7
SD08CV-1061	57.7	60.0	33.7	59.3	53.4	44.8
SD08CV-1066	58.2	57.2	35.5	54.2	57.9	50.9
SD08CV-1078	57.4	61.1	30.1	60.5	58.6	37.7
SD08CV-1080	55.4	61.0	27.3	56.9	46.8	38.1
SD08CV-1211	51.3	48.2	26.5	55.2	47.8	45.9
Location Mean		59.1	35.1	60.7	52.2	46.2
C.V. (%)		9.5	17.4	6.1	8.9	13.3
L.S.D. (5%)		11.3	12.4	6.2	9.3	12.4
Row Sp. (In.)		30	30	15	30	30
Rows/Plot		4	4	6	2	2
Reps		2	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST I, 2011

YIELD (bu/a)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Ridgetown ONT	St. Hyacinthe Que.	Volga SD	Watertown SD
MN1410 (I)	54.4	74.0	73.6	64.0	65.1	59.9	44.9
IA1022 (SCN)	49.0	64.7	81.1	68.2	59.2	54.9	47.8
Sheyenne (0)	39.7	57.7	64.2	58.6	58.5	58.5	38.3
AR09-292004	48.4	58.8	76.8	59.6	62.8	55.5	39.9
AR10-106005	59.2	77.4	83.3	70.0	66.7	52.5	46.2
AR10-106008	61.4	82.1	94.0	71.6	62.5	64.3	47.3
AR10-106009	54.2	80.4	87.7	65.8	66.6	47.2	38.3
AR10-106010	62.9	60.1	84.8	72.3	69.3	46.8	41.0
AR10-106012	55.6	57.2	81.5	68.0	61.0	45.1	38.4
AR10-206097	54.8	70.0	89.6	66.8	54.8	51.1	44.4
M05-214049	44.4	59.7	71.5	51.9	56.3	59.2	49.8
M05-226053	47.1	64.8	64.3	54.6	54.6	59.1	40.9
M05-248041	39.3	49.4	60.2	53.7	54.9	53.4	47.7
M05-251-5026	39.9	58.3	53.0	43.9	51.0	54.7	35.7
M05-286085	34.0	56.8	51.9	59.3	57.1	50.3	36.6
M05-307064	48.3	71.3	72.3	58.4	50.6	61.3	48.0
M05-319032	41.1	52.7	43.6	60.7	45.3	55.8	46.4
M05-328015	47.9	55.8	64.4	60.6	60.3	58.5	41.2
M05-328025	51.7	54.4	68.2	62.3	62.0	54.0	45.8
M05-328089	48.0	58.1	73.9	54.7	60.1	60.4	49.3
OAC 09-44C	45.0	57.3	59.7	54.9	59.0	53.8	43.4
U09-104003	47.0	80.0	71.6	69.1	56.9	53.8	41.9
U09-104031	47.3	71.8	80.7	62.0	56.6	51.9	42.7
U09-105007	59.8	89.5	86.8	70.1	56.5	72.8	56.9
U09-107025	47.0	63.5	59.1	62.4	61.5	50.1	41.0
U09-117010	58.8	60.9	70.3	58.8	59.9	54.4	46.6
U09-121002	57.7	79.2	86.2	63.2	58.7	58.4	45.6
U09-127019	60.3	77.0	76.5	54.3	63.9	49.0	40.8
U09-129007	58.3	84.3	86.7	75.0	59.7	68.1	48.8
U09-209069	58.5	74.8	63.3	59.0	63.1	62.5	51.5
U09-210042	57.6	80.9	71.8	60.5	60.2	62.5	47.5
U09-210051	61.4	78.6	87.0	66.6	68.5	61.5	49.1
U09-211070	56.0	82.9	80.9	63.1	61.7	68.6	43.3
U09-306098	56.9	68.9	83.3	56.5	57.3	59.7	45.2
SD08CV-1041	53.8	76.2	68.6	65.7	60.2	65.9	43.8
SD08CV-1043	51.7	69.0	69.9	69.7	59.8	63.4	43.5
SD08CV-1061	48.2	65.8	72.6	65.1	64.1	52.3	49.3
SD08CV-1066	48.9	60.3	72.7	66.7	65.0	64.3	42.2
SD08CV-1078	48.5	57.8	68.6	69.4	64.5	63.9	41.2
SD08CV-1080	49.3	58.5	74.8	64.7	57.1	56.5	46.1
SD08CV-1211	38.5	60.6	57.9	65.9	59.6	60.4	23.9
Location Mean	51.0	67.4	72.9	62.6	59.8	57.5	44.0
C.V. (%)	5.3	11.0	10.0	7.6		10.0	8.0
L.S.D. (5%)	6.4	17.6	14.7	6.2		11.9	7.6
Row Sp. (In.)	30	30	30	17	12.50	30	30
Rows/Plot	4	4	4	5	4	4	4
Reps	2	2	2	2	2	2	2

PRELIMINARY TEST I, 2011

YIELD RANK

Strain	Yield Rank	Kanawha IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
MN1410 (I)	15	13	25	28	35	4
IA1022 (SCN)	13	4	22	20	8	15
Sheyenne (0)	35	41	37	10	34	5
AR09-292004	26	21	28	13	27	18
AR10-106005	7	23	1	5	18	38
AR10-106008	2	10	6	2	1	31
AR10-106009	11	12	7	7	22	29
AR10-106010	12	9	2	14	17	31
AR10-106012	28	31	23	25	28	27
AR10-206097	19	17	11	29	26	19
M05-214049	31	18	33	41	15	13
M05-226053	34	38	38	32	32	28
M05-248041	39	35	40	38	36	9
M05-251-5026	41	37	41	30	37	30
M05-286085	40	40	34	18	40	33
M05-307064	23	33	29	33	23	2
M05-319032	37	25	35	37	11	9
M05-328015	30	28	32	22	19	7
M05-328025	27	29	30	8	29	5
M05-328089	25	22	21	40	12	7
OAC 09-44C	36	36	16	19	38	36
U09-104003	16	25	4	16	6	3
U09-104031	23	20	18	17	39	14
U09-105007	1	1	20	1	13	19
U09-107025	33	34	5	11	41	23
U09-117010	29	32	13	34	20	37
U09-121002	8	27	9	26	3	35
U09-127019	16	5	25	3	31	16
U09-129007	3	6	12	4	25	41
U09-209069	10	3	8	35	2	21
U09-210042	6	2	3	15	4	34
U09-210051	4	16	10	9	14	26
U09-211070	5	7	14	6	10	25
U09-306098	14	23	27	27	9	1
SD08CV-1041	8	8	18	12	16	16
SD08CV-1043	16	11	15	24	24	12
SD08CV-1061	21	19	23	23	21	24
SD08CV-1066	20	30	17	39	7	9
SD08CV-1078	22	14	31	21	5	40
SD08CV-1080	31	15	36	31	33	38
SD08CV-1211	38	39	38	36	30	22

PRELIMINARY TEST I, 2011

YIELD RANK

Strain	Beemer NE	Cotesfield NE	Phillips NE	Ridgetown ONT	St. Hyacinthe Que.	Volga SD	Watertown SD
MN1410 (I)	16	14	19	19	5	15	20
IA1022 (SCN)	22	22	12	9	25	25	9
Sheyenne (0)	38	34	33	32	28	19	37
AR09-292004	25	29	15	28	11	24	35
AR10-106005	6	10	9	5	3	32	15
AR10-106008	2	4	1	3	12	5	12
AR10-106009	17	6	3	15	4	39	37
AR10-106010	1	27	8	2	1	40	31
AR10-106012	14	36	11	10	16	41	36
AR10-206097	15	17	2	11	37	35	21
M05-214049	35	28	25	40	35	17	3
M05-226053	31	21	32	37	38	18	33
M05-248041	39	41	35	39	36	31	10
M05-251-5026	37	31	39	41	39	26	40
M05-286085	41	37	40	29	31	36	39
M05-307064	26	16	22	33	40	12	8
M05-319032	36	40	41	25	41	23	14
M05-328015	29	38	31	26	17	19	29
M05-328025	19	39	30	23	13	28	17
M05-328089	28	32	18	36	20	13	4
OAC 09-44C	34	35	36	35	26	29	24
U09-104003	32	7	24	8	32	29	28
U09-104031	30	15	14	24	33	34	26
U09-105007	5	1	5	4	34	1	1
U09-107025	32	23	37	22	15	37	31
U09-117010	7	24	26	31	21	27	13
U09-121002	10	8	7	20	27	21	18
U09-127019	4	11	16	38	9	38	34
U09-129007	9	2	6	1	23	3	7
U09-209069	8	13	34	30	10	9	2
U09-210042	11	5	23	27	18	9	11
U09-210051	2	9	4	13	2	11	6
U09-211070	13	3	13	21	14	2	25
U09-306098	12	19	9	34	29	16	19
SD08CV-1041	18	12	28	16	19	4	22
SD08CV-1043	19	18	27	6	22	8	23
SD08CV-1061	27	20	21	17	8	33	4
SD08CV-1066	23	26	20	12	6	5	27
SD08CV-1078	24	33	28	7	7	7	29
SD08CV-1080	21	30	17	18	30	22	16
SD08CV-1211	40	25	38	14	24	13	41

PRELIMINARY TEST I, 2011

MATURITY (date)

Strain	Mean 10 Tests	Kanawha IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
MN1410 (I)	9/17	9/11	9/4		9/16	9/18
IA1022 (SCN)	6.6	9	6		8	7
Sheyenne (0)	-6.8	-10	-10		-2	-7
AR09-292004	9.7	16	16		12	10
AR10-106005	8.7	15	18		11	8
AR10-106008	8.6	14	19		11	8
AR10-106009	7.7	13	13		8	7
AR10-106010	8.4	17	12		11	7
AR10-106012	9.6	17	18		12	7
AR10-206097	7.5	13	11		12	7
M05-214049	-1.2	-2	-3		3	2
M05-226053	-4.2	-4	-6		0	-4
M05-248041	-5.3	-6	-6		-2	-6
M05-251-5026	8.6	18	13		14	9
M05-286085	-5.1	-5	-6		-2	-7
M05-307064	-2.9	-6	-4		1	0
M05-319032	-2.6	-1	-2		2	-1
M05-328015	1.0	1	2		5	3
M05-328025	0.0	-1	-2		1	3
M05-328089	0.0	1	3		2	2
OAC 09-44C	-3.6	-5	-5		0	-6
U09-104003	7.8	14	12		12	8
U09-104031	7.0	14	12		12	7
U09-105007	3.5	8	7		11	3
U09-107025	6.8	13	8		12	8
U09-117010	6.0	9	9		9	8
U09-121002	4.8	10	9		10	5
U09-127019	8.1	18	9		11	10
U09-129007	6.2	11	7		10	5
U09-209069	5.2	11	8		10	7
U09-210042	1.2	4	-2		6	1
U09-210051	6.8	10	9		10	7
U09-211070	2.7	4	1		8	6
U09-306098	7.4	13	11		11	9
SD08CV-1041	-0.1	5	-1		2	2
SD08CV-1043	0.1	3	0		3	1
SD08CV-1061	-0.8	0	-1		1	0
SD08CV-1066	-2.2	-2	-4		0	-1
SD08CV-1078	-1.1	1	0		1	-3
SD08CV-1080	-4.6	-2	-8		0	-7
SD08CV-1211	-4.0	-6	-8		-2	-5
Date Planted	5/20	5/3	5/17	6/5	5/11	5/19
Days to Mature	121	131	110		128	122

PRELIMINARY TEST I, 2011

MATURITY (date)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Ridgetown ONT	St. Hyacinthe Que.	Volga* SD	Watertown* SD
MN1410 (I)	9/18		9/12	9/21	10/5	9/20	9/20
IA1022 (SCN)	2		8	12	5	4	5
Sheyenne (0)	-14		-1	-6	-9	-8	-1
AR09-292004	0		11	14	6	7	5
AR10-106005	0		9	12	6	3	5
AR10-106008	-2		13	9	6	3	5
AR10-106009	4		10	8	6	3	5
AR10-106010	2		9	10	5	6	5
AR10-106012	5		11	11	6	4	5
AR10-206097	2		6	11	3	5	5
M05-214049	-11		-1	1	0	-4	3
M05-226053	-12		-3	-4	-3	-5	-1
M05-248041	-13		-2	-2	-8	-7	-1
M05-251-5026	4		10	6	3	4	5
M05-286085	-12		-3	-4	-4	-8	0
M05-307064	-9		-1	1	-8	-5	2
M05-319032	-13		-6	-2	-2	-4	3
M05-328015	-7		-1	2	2	2	1
M05-328025	-4		-1	2	3	-4	3
M05-328089	-8		-1	0	2	-4	3
OAC 09-44C	-13		-1	-1	-2	-4	1
U09-104003	2		11	4	3	7	5
U09-104031	1		9	4	3	3	5
U09-105007	-4		7	2	0	-4	5
U09-107025	2		9	4	3	4	5
U09-117010	0		3	8	4	5	5
U09-121002	-7		6	3	2	5	5
U09-127019	4		6	4	8	6	5
U09-129007	1		4	10	4	5	5
U09-209069	-5		8	3	3	2	5
U09-210042	-1		2	2	1	-6	5
U09-210051	1		8	11	3	4	5
U09-211070	-5		2	2	2	2	5
U09-306098	0		9	7	4	5	5
SD08CV-1041	-8		1	0	2	-6	3
SD08CV-1043	-7		-1	3	2	-4	1
SD08CV-1061	-10		0	0	3	-4	3
SD08CV-1066	-10		0	-2	0	-4	1
SD08CV-1078	-10		0	2	1	-5	3
SD08CV-1080	-11		-2	-2	-8	-5	-1
SD08CV-1211	6		-4	-4	-8	-8	-1
Date Planted	5/9	6/3	5/17	6/3	5/25	5/18	5/17
Days to Mature	132		118	110	133	125	126

* Killing Frost: Volga, SD 15 Sept, Watertown, SD 15 Sept

PRELIMINARY TEST I, 2011

LODGING (score)

Strain	Mean 8 Tests	Kanawha IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
MN1410 (I)	1.8	1.8	1.0	2.0	1.5	2.5
IA1022 (SCN)	2.1	2.0	1.0	2.0	1.5	3.0
Sheyenne (0)	1.5	1.3	1.0	2.0	1.0	2.0
AR09-292004	1.9	2.0	1.0	2.5	2.0	2.0
AR10-106005	1.6	1.5	1.0	2.5	1.0	2.0
AR10-106008	1.4	1.5	1.0	2.0	1.0	2.0
AR10-106009	1.6	0.8	1.0	2.5	1.0	2.0
AR10-106010	1.9	1.8	1.0	3.0	2.0	2.0
AR10-106012	1.7	1.8	1.0	3.0	1.0	2.0
AR10-206097	1.6	1.5	1.0	2.0	1.5	2.0
M05-214049	2.0	1.5	1.0	2.5	1.5	2.0
M05-226053	1.6	1.5	1.0	2.0	1.0	2.0
M05-248041	1.7	1.5	1.0	2.0	1.0	2.0
M05-251-5026	1.9	1.3	1.0	3.0	1.5	2.0
M05-286085	2.0	1.5	1.3	3.0	1.0	2.0
M05-307064	1.9	1.8	1.3	3.0	1.0	2.0
M05-319032	1.8	1.3	1.3	2.5	1.0	2.5
M05-328015	2.0	1.5	1.3	3.0	1.5	2.0
M05-328025	2.0	1.8	1.0	2.5	2.0	2.0
M05-328089	1.8	1.8	1.0	2.5	1.5	2.0
OAC 09-44C	2.0	1.5	1.0	3.0	1.0	1.5
U09-104003	1.8	1.0	1.0	2.0	2.0	2.0
U09-104031	1.7	1.5	1.0	2.5	1.5	2.0
U09-105007	1.2	1.3	1.0	2.0	1.0	1.5
U09-107025	1.8	1.5	1.0	2.5	1.5	2.0
U09-117010	2.0	1.5	1.0	3.5	1.5	2.0
U09-121002	1.8	1.8	1.0	3.0	1.0	2.0
U09-127019	1.8	1.3	1.0	3.0	1.5	2.0
U09-129007	1.4	1.5	1.0	1.0	1.5	2.0
U09-209069	2.0	2.0	1.0	3.0	1.5	2.0
U09-210042	1.8	1.8	1.0	2.5	1.5	2.0
U09-210051	2.1	1.8	1.0	3.5	1.5	2.0
U09-211070	1.7	1.5	1.0	2.5	1.5	2.0
U09-306098	2.0	2.0	1.0	2.5	2.0	2.0
SD08CV-1041	1.8	0.8	1.0	2.5	2.0	2.5
SD08CV-1043	1.7	1.5	1.0	3.0	1.5	2.0
SD08CV-1061	2.0	1.5	1.0	3.0	2.0	2.0
SD08CV-1066	1.7	1.5	1.0	2.5	1.5	2.0
SD08CV-1078	1.7	1.5	1.0	2.5	1.5	2.0
SD08CV-1080	1.8	2.0	1.0	2.5	1.5	2.0
SD08CV-1211	1.7	1.5	1.0	2.5	1.5	2.0

PRELIMINARY TEST I, 2011

LODGING (score)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Ridgetown ONT	St. Hyacinthe Que.	Volga SD	Watertown SD
MN1410 (I)				1.5		3.0	1.0
IA1022 (SCN)				1.5		5.0	1.0
Sheyenne (0)				1.5		2.0	1.0
AR09-292004				1.5		3.0	1.0
AR10-106005				2.0		2.0	1.0
AR10-106008				1.0		2.0	1.0
AR10-106009				1.5		3.0	1.0
AR10-106010				1.5		3.0	1.0
AR10-106012				2.0		2.0	1.0
AR10-206097				1.0		3.0	1.0
M05-214049				2.5		4.0	1.0
M05-226053				2.0		2.0	1.0
M05-248041				2.0		3.0	1.0
M05-251-5026				2.5		3.0	1.0
M05-286085				2.0		4.0	1.0
M05-307064				2.0		3.0	1.0
M05-319032				2.0		3.0	1.0
M05-328015				2.0		4.0	1.0
M05-328025				2.0		4.0	1.0
M05-328089				2.0		3.0	1.0
OAC 09-44C				2.0		5.0	1.0
U09-104003				2.0		3.0	1.0
U09-104031				2.0		2.0	1.0
U09-105007				1.0		1.0	1.0
U09-107025				2.0		3.0	1.0
U09-117010				2.5		3.0	1.0
U09-121002				2.0		3.0	1.0
U09-127019				2.5		2.0	1.0
U09-129007				1.0		2.0	1.0
U09-209069				2.5		3.0	1.0
U09-210042				1.5		3.0	1.0
U09-210051				3.0		3.0	1.0
U09-211070				2.0		2.0	1.0
U09-306098				2.5		3.0	1.0
SD08CV-1041				1.5		3.0	1.0
SD08CV-1043				1.5		2.0	1.0
SD08CV-1061				1.5		4.0	1.0
SD08CV-1066				1.0		3.0	1.0
SD08CV-1078				2.0		2.0	1.0
SD08CV-1080				1.5		3.0	1.0
SD08CV-1211				2.0		2.0	1.0

PRELIMINARY TEST I, 2011

PLANT HEIGHT (inches)

Strain	Mean 9 Tests	Kanawha IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
MN1410 (I)	37	39	28	40	37	38
IA1022 (SCN)	37	39	28	40	37	39
Sheyenne (0)	33	29	23	41	35	36
AR09-292004	38	43	30	44	40	39
AR10-106005	37	38	28	45	37	38
AR10-106008	34	36	28	40	35	39
AR10-106009	40	43	32	45	38	40
AR10-106010	39	45	32	43	39	42
AR10-106012	40	44	33	46	39	40
AR10-206097	36	39	29	41	34	38
M05-214049	37	37	25	39	38	39
M05-226053	31	28	24	40	31	32
M05-248041	35	34	24	41	34	36
M05-251-5026	40	47	30	44	44	45
M05-286085	35	34	26	39	37	38
M05-307064	34	32	30	43	34	40
M05-319032	35	35	27	41	36	35
M05-328015	38	35	29	44	39	40
M05-328025	34	34	25	35	33	37
M05-328089	35	36	27	42	34	35
OAC 09-44C	32	29	25	36	31	33
U09-104003	38	45	32	41	38	36
U09-104031	35	35	29	44	31	31
U09-105007	29	30	24	35	25	29
U09-107025	36	36	28	42	33	39
U09-117010	35	36	28	39	33	38
U09-121002	36	36	29	37	35	38
U09-127019	32	31	24	38	27	30
U09-129007	30	32	23	34	27	34
U09-209069	36	40	29	41	36	40
U09-210042	33	34	26	40	33	32
U09-210051	36	39	29	43	37	37
U09-211070	34	35	27	35	35	37
U09-306098	39	44	32	43	38	41
SD08CV-1041	35	38	27	39	36	39
SD08CV-1043	35	37	27	43	33	38
SD08CV-1061	35	34	26	41	36	35
SD08CV-1066	33	33	27	37	34	35
SD08CV-1078	34	36	25	41	37	30
SD08CV-1080	38	41	29	42	38	36
SD08CV-1211	32	33	26	39	34	35

PRELIMINARY TEST I, 2011

PLANT HEIGHT (inches)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Ridgetown ONT	St. Hyacinthe Que.	Volga SD	Watertown SD
MN1410 (I)				38	33	44	32
IA1022 (SCN)				36	30	50	36
Sheyenne (0)				33	30	40	29
AR09-292004				38	32	42	32
AR10-106005				36	32	43	34
AR10-106008				34	29	37	31
AR10-106009				36	37	49	38
AR10-106010				37	36	39	35
AR10-106012				37	36	47	42
AR10-206097				37	33	43	33
M05-214049				38	33	50	32
M05-226053				35	29	35	29
M05-248041				37	31	42	33
M05-251-5026				40	30	47	34
M05-286085				40	31	46	20
M05-307064				35	29	44	23
M05-319032				36	32	42	31
M05-328015				39	33	50	30
M05-328025				36	33	42	28
M05-328089				36	33	40	31
OAC 09-44C				34	31	43	28
U09-104003				36	32	46	37
U09-104031				36	31	44	34
U09-105007				37	24	32	27
U09-107025				35	33	43	32
U09-117010				38	30	40	35
U09-121002				36	30	47	36
U09-127019				36	31	35	35
U09-129007				33	26	35	30
U09-209069				36	31	44	31
U09-210042				37	29	39	28
U09-210051				36	32	43	31
U09-211070				36	31	40	30
U09-306098				37	36	45	34
SD08CV-1041				35	31	43	30
SD08CV-1043				38	32	37	32
SD08CV-1061				38	32	38	34
SD08CV-1066				35	31	40	29
SD08CV-1078				36	31	36	31
SD08CV-1080				41	32	46	33
SD08CV-1211				32	27	37	27

PRELIMINARY TEST I, 2011

SEED QUALITY (score)

Strain	Mean 10 Tests	Kanawha IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
MN1410 (I)	2.2	2.0	3.5		1.0	1.0
IA1022 (SCN)	1.9	1.0	3.5		1.0	1.0
Sheyenne (0)	2.3	3.0	3.0		1.0	1.0
AR09-292004	2.2	2.0	2.5		1.0	1.0
AR10-106005	2.1	2.0	3.0		1.0	1.0
AR10-106008	2.0	2.0	2.0		2.0	1.0
AR10-106009	1.9	2.0	2.0		1.0	1.0
AR10-106010	1.8	2.0	2.0		1.0	1.0
AR10-106012	1.9	2.0	2.0		1.0	1.0
AR10-206097	1.8	2.0	2.0		1.0	1.0
M05-214049	1.7	2.0	2.5		1.0	1.0
M05-226053	2.0	3.0	2.5		1.0	2.0
M05-248041	1.9	3.0	2.5		1.0	1.0
M05-251-5026	1.9	2.0	2.0		2.0	1.0
M05-286085	2.2	3.0	2.5		3.0	1.0
M05-307064	2.0	2.0	3.0		1.0	1.0
M05-319032	2.1	3.0	3.0		2.0	1.0
M05-328015	2.1	3.0	3.0		1.0	1.0
M05-328025	1.9	2.0	3.0		1.0	2.0
M05-328089	2.1	3.0	3.0		1.0	1.0
OAC 09-44C	2.1	3.0	4.0		1.0	1.0
U09-104003	1.8	2.0	3.0		1.0	1.0
U09-104031	1.9	2.0	2.5		2.0	1.0
U09-105007	1.9	2.0	3.0		1.0	1.0
U09-107025	1.9	2.0	3.5		1.0	1.0
U09-117010	1.8	2.0	2.5		2.0	1.0
U09-121002	2.4	2.0	3.0		1.0	1.0
U09-127019	2.1	2.0	2.0		1.0	1.0
U09-129007	1.7	2.0	3.5		1.0	1.0
U09-209069	2.0	2.0	3.5		1.0	1.0
U09-210042	2.3	2.0	3.0		1.0	1.0
U09-210051	1.8	2.0	3.0		1.0	1.0
U09-211070	1.9	2.0	3.0		1.0	1.0
U09-306098	2.2	2.0	3.0		2.0	1.0
SD08CV-1041	2.0	3.0	4.0		1.0	1.0
SD08CV-1043	2.1	3.0	4.0		1.0	1.0
SD08CV-1061	1.9	2.0	3.0		1.0	1.0
SD08CV-1066	2.0	3.0	3.0		1.0	1.0
SD08CV-1078	1.8	2.0	2.5		1.0	1.0
SD08CV-1080	2.2	3.0	2.5		1.0	2.0
SD08CV-1211	2.3	3.0	2.5		2.0	2.0

PRELIMINARY TEST I, 2011

SEED QUALITY (score)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Ridgetown ONT	St. Hyacinthe Que.	Volga SD	Watertown SD
MN1410 (I)	3.0		2.0	2.5	3.5	2.0	1.0
IA1022 (SCN)	2.0		1.0	2.0	4.0	2.0	1.0
Sheyenne (0)	3.0		2.0	2.5	4.0		1.0
AR09-292004	4.0		1.0	2.0	4.0	3.0	1.0
AR10-106005	3.0		1.0	2.0	4.5	2.0	1.0
AR10-106008	4.0		1.0	1.5	3.5	2.0	1.0
AR10-106009	3.0		1.0	1.5	4.5	2.0	1.0
AR10-106010	2.0		1.0	2.0	3.5	2.0	1.0
AR10-106012	3.0		1.0	2.0	3.5	2.0	1.0
AR10-206097	3.0		1.0	1.5	3.5	2.0	1.0
M05-214049	2.0		1.0	2.0	2.5	2.0	1.0
M05-226053	2.0		1.0	2.0	3.5	2.0	1.0
M05-248041	2.0		1.0	2.0	3.0	2.0	1.0
M05-251-5026	2.0		1.0	2.5	3.0	2.0	1.0
M05-286085	3.0		1.0	2.0	3.0	2.0	1.0
M05-307064	3.0		1.0	2.5	3.5	2.0	1.0
M05-319032	2.0		1.0	2.0	3.5	2.0	1.0
M05-328015	3.0		1.0	2.0	2.5	2.0	2.0
M05-328025	2.0		1.0	1.5	3.0	2.0	1.0
M05-328089	3.0		1.0	2.5	3.5	2.0	1.0
OAC 09-44C	3.0		1.0	1.5	3.5	2.0	1.0
U09-104003	2.0		1.0	1.5	3.0	2.0	1.0
U09-104031	2.0		1.0	2.0	3.5	2.0	1.0
U09-105007	2.0		1.0	2.5	3.5	2.0	1.0
U09-107025	3.0		1.0	1.5	3.0	2.0	1.0
U09-117010	2.0		1.0	2.0	2.5	2.0	1.0
U09-121002	3.0		1.0	3.0	3.5	4.0	2.0
U09-127019	3.0		1.0	2.0	3.0	5.0	1.0
U09-129007	2.0		1.0	2.0	3.5	0.0	1.0
U09-209069	3.0		1.0	3.0	3.5	1.0	1.0
U09-210042	3.0		1.0	2.5	4.5	3.0	2.0
U09-210051	2.0		1.0	2.0	3.0	2.0	1.0
U09-211070	2.0		1.0	2.0	3.5	2.0	1.0
U09-306098	2.0		1.0	2.0	4.5	3.0	1.0
SD08CV-1041	2.0		1.0	2.0	2.5	2.0	1.0
SD08CV-1043	3.0		1.0	2.0	3.0	2.0	1.0
SD08CV-1061	3.0		1.0	2.0	2.5	2.0	1.0
SD08CV-1066	2.0		1.0	2.0	3.5	2.0	1.0
SD08CV-1078	2.0		1.0	2.0	3.0	2.0	1.0
SD08CV-1080	3.0		2.0	2.0	3.5	2.0	1.0
SD08CV-1211	3.0		2.0	2.0	3.0	2.0	1.0

PRELIMINARY TEST I, 2011

SEED SIZE (g/100)

Strain	Mean 11 Tests	Kanawha IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
MN1410 (I)	16.0	15.0	14.3	20.1	16.3	14.1
IA1022 (SCN)	15.1	14.5	13.8	18.0	15.1	12.8
Sheyenne (0)	15.5	14.0	14.9	18.5	14.5	13.2
AR09-292004	14.9	14.5	16.0	18.6	13.8	12.1
AR10-106005	15.5	13.6	15.8	19.5	13.4	12.9
AR10-106008	15.5	14.2	15.4	19.8	13.9	12.6
AR10-106009	15.4	14.7	16.4	18.9	13.1	12.5
AR10-106010	16.6	14.7	17.5	20.1	14.2	13.8
AR10-106012	15.1	13.9	16.2	17.9	14.6	12.2
AR10-206097	15.1	13.5	13.4	19.5	13.9	13.0
M05-214049	14.8	14.0	13.8	18.1	13.1	13.4
M05-226053	15.0	13.7	12.9	18.4	14.6	13.7
M05-248041	16.7	16.4	15.9	20.9	15.7	14.4
M05-251-5026	14.3	13.8	14.6	17.7	13.3	12.3
M05-286085	18.7	18.8	18.9	23.0	18.6	16.4
M05-307064	15.2	13.1	14.7	19.0	14.0	14.4
M05-319032	14.5	13.2	13.2	19.2	13.7	13.1
M05-328015	16.0	15.6	14.7	19.6	16.1	14.6
M05-328025	16.4	14.7	14.8	20.9	15.5	14.6
M05-328089	16.5	15.5	16.4	19.7	14.9	14.2
OAC 09-44C	20.0	19.0	17.3	23.9	19.7	17.9
U09-104003	14.3	13.3	14.8	18.1	12.9	12.1
U09-104031	14.1	13.3	13.7	17.8	12.7	12.5
U09-105007	15.8	14.6	14.4	19.9	13.9	13.8
U09-107025	16.1	15.2	15.6	20.5	14.9	14.1
U09-117010	16.2	15.1	15.5	19.2	15.1	13.9
U09-121002	13.0	12.3	12.1	15.5	11.5	11.9
U09-127019	13.2	13.5	12.5	17.0	11.5	11.1
U09-129007	16.4	15.9	16.2	19.0	15.1	14.3
U09-209069	14.7	14.2	15.1	18.1	13.4	13.0
U09-210042	13.4	13.4	13.7	16.8	12.5	11.0
U09-210051	15.1	13.5	15.2	17.9	13.5	12.1
U09-211070	14.8	13.8	13.5	18.7	14.6	13.1
U09-306098	16.0	14.1	14.6	20.9	15.2	13.6
SD08CV-1041	16.3	15.5	14.6	20.6	14.9	13.8
SD08CV-1043	15.8	15.6	12.2	20.5	14.4	15.0
SD08CV-1061	15.9	14.3	14.1	20.8	14.9	14.1
SD08CV-1066	16.1	14.4	13.4	21.1	15.2	13.5
SD08CV-1078	14.2	13.5	13.1	19.6	10.1	11.5
SD08CV-1080	15.4	14.6	14.3	19.7	15.3	11.4
SD08CV-1211	15.5	14.7	14.7	20.2	13.6	12.4

PRELIMINARY TEST I, 2011

SEED SIZE (g/100)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Ridgetown ONT	St. Hyacinthe Que.	Volga SD	Watertown SD
MN1410 (I)	13.8		17.4	17.2	17.6	15.2	15.0
IA1022 (SCN)	13.3		16.6	18.2	17.2	13.5	12.9
Sheyenne (0)	14.9		18.0	15.2	17.2		15.1
AR09-292004	13.0		15.4	17.7	17.8	13.3	11.6
AR10-106005	14.1		16.5	19.3	17.9	14.4	13.5
AR10-106008	13.5		16.4	19.0	17.3	16.3	12.6
AR10-106009	13.9		17.0	18.4	17.5	14.2	13.0
AR10-106010	15.0		18.5	22.2	19.7	14.3	13.0
AR10-106012	13.3		16.7	18.1	17.5	13.0	12.7
AR10-206097	12.6		16.2	19.4	17.6	14.0	13.2
M05-214049	13.1		15.1	17.1	16.6	14.2	14.6
M05-226053	12.8		16.1	16.9	16.6	15.6	13.9
M05-248041	13.5		18.2	18.7	19.5	16.6	13.8
M05-251-5026	12.5		14.3	16.7	16.1	13.7	12.6
M05-286085	15.5		19.6	19.9	19.9	16.9	18.0
M05-307064	13.4		16.1	16.4	15.8	15.6	14.7
M05-319032	12.6		14.2	16.6	14.9	14.2	14.1
M05-328015	14.5		16.8	16.6	18.0	15.1	14.8
M05-328025	14.1		16.5	19.1	18.5	15.1	16.5
M05-328089	13.4		17.7	21.3	17.6	15.7	14.8
OAC 09-44C	18.2		22.5	20.5	22.2	19.8	18.7
U09-104003	12.2		16.0	17.1	15.8	13.6	11.7
U09-104031	11.6		15.1	15.9	15.8	14.0	12.6
U09-105007	14.5		16.4	18.3	17.7	16.0	14.7
U09-107025	14.1		17.9	18.5	16.7	16.2	13.1
U09-117010	14.6		17.9	19.0	18.0	16.3	13.6
U09-121002	10.8		14.3	15.7	14.4	13.1	11.1
U09-127019	12.0		14.0	14.8	15.0	12.8	11.2
U09-129007	15.0		17.5	19.5	17.9	16.1	14.2
U09-209069	12.1		16.8	16.5	16.5	14.5	12.0
U09-210042	11.3		15.7	14.7	14.8	13.1	11.0
U09-210051	12.9		16.7	18.6	17.0	14.5	13.7
U09-211070	11.9		16.5	17.4	16.1	14.0	13.5
U09-306098	13.2		18.2	19.0	18.5	15.9	13.1
SD08CV-1041	13.6		17.3	19.8	18.2	16.0	15.4
SD08CV-1043	13.3		15.9	18.3	18.0	14.8	15.4
SD08CV-1061	12.5		17.7	17.5	18.1	15.6	15.2
SD08CV-1066	13.5		17.7	18.1	18.8	16.1	15.4
SD08CV-1078	12.4		14.9	17.4	16.5	14.1	13.5
SD08CV-1080	12.4		16.9	16.9	17.7	14.5	15.7
SD08CV-1211	13.3		17.3	17.0	18.0	15.6	14.1

PRELIMINARY TEST I, 2011

PROTEIN (%)

Strain	Mean 3 Tests	IA	Lafayette IN	Lamberton MN	Waseca MN	MI	NE	Ridgetown ONT	SD	SD
MN1410 (I)	33.7			32.8	32.4			35.8		
IA1022 (SCN)	30.8			29.5	27.9			35.0		
Sheyenne (0)	32.3			31.3	30.2			35.4		
AR09-292004	33.5			32.0	32.3			36.1		
AR10-106005	33.8			31.9	32.7			36.7		
AR10-106008	33.3			31.3	32.0			36.6		
AR10-106009	34.3			33.0	33.4			36.5		
AR10-106010	35.0			33.8	33.1			38.2		
AR10-106012	35.4			34.2	34.2			37.8		
AR10-206097	33.4			32.3	31.5			36.4		
M05-214049	34.2			33.3	33.5			35.8		
M05-226053	34.0			32.9	32.5			36.6		
M05-248041	34.9			33.0	33.6			38.0		
M05-251-5026	34.1			33.8	33.2			35.3		
M05-286085	36.5			35.9	34.6			38.9		
M05-307064	35.1			33.4	34.1			37.8		
M05-319032	32.4			31.4	31.1			34.8		
M05-328015	32.7			32.0	31.1			35.0		
M05-328025	34.5			33.4	33.2			36.9		
M05-328089	33.5			32.7	31.8			36.1		
OAC 09-44C	32.9			31.7	31.9			35.1		
U09-104003	33.5			32.3	31.9			36.2		
U09-104031	32.5			31.8	30.8			34.8		
U09-105007	31.6			30.1	30.5			34.1		
U09-107025	34.2			33.5	32.5			36.5		
U09-117010	33.3			32.1	31.8			36.0		
U09-121002	33.4			32.0	32.5			35.8		
U09-127019	33.4			32.9	32.7			34.7		
U09-129007	33.2			31.6	32.1			36.0		
U09-209069	32.3			31.0	30.9			35.0		
U09-210042	32.3			30.8	31.1			35.1		
U09-210051	32.1			31.1	29.7			35.5		
U09-211070	32.9			32.0	31.3			35.5		
U09-306098	32.1			31.5	30.4			34.3		
SD08CV-1041	34.0			32.9	33.1			35.9		
SD08CV-1043	33.0			31.9	31.5			35.6		
SD08CV-1061	34.1			32.7	32.5			37.2		
SD08CV-1066	33.3			32.5	31.9			35.6		
SD08CV-1078	34.6			32.9	34.2			36.7		
SD08CV-1080	34.0			32.4	33.4			36.2		
SD08CV-1211	35.3			33.6	34.3			38.1		

* Protein and Oil values converted to 13% moisture basis.

PRELIMINARY TEST I, 2011

OIL (%)

Strain	Mean 3 Tests	IA	Lafayette IN	Lamberton MN	Waseca MN	MI	NE	Ridgetown ONT	SD	SD
MN1410 (I)	19.3			19.8	18.8			19.4		
IA1022 (SCN)	19.9			20.0	20.5			19.2		
Sheyenne (0)	19.3			19.8	19.3			18.8		
AR09-292004	17.8			17.5	17.4			18.5		
AR10-106005	18.2			18.6	18.3			17.8		
AR10-106008	18.1			18.5	17.7			18.2		
AR10-106009	17.3			18.5	17.4			16.0		
AR10-106010	17.9			18.2	18.1			17.5		
AR10-106012	17.7			18.0	18.1			17.1		
AR10-206097	18.4			18.4	18.7			18.1		
M05-214049	18.4			18.4	18.5			18.4		
M05-226053	18.4			18.3	18.4			18.5		
M05-248041	18.3			19.0	18.3			17.7		
M05-251-5026	18.5			18.2	18.4			18.8		
M05-286085	18.3			18.7	18.2			18.0		
M05-307064	18.9			19.4	18.7			18.5		
M05-319032	19.4			19.6	19.3			19.2		
M05-328015	19.1			18.8	19.3			19.2		
M05-328025	18.4			18.4	18.3			18.4		
M05-328089	18.8			18.7	19.2			18.5		
OAC 09-44C	18.6			18.7	18.4			18.7		
U09-104003	19.0			18.9	19.0			19.1		
U09-104031	19.2			19.2	19.2			19.2		
U09-105007	20.0			20.0	20.0			19.9		
U09-107025	18.2			18.1	18.5			18.1		
U09-117010	18.3			18.0	18.2			18.6		
U09-121002	18.3			18.5	18.3			18.0		
U09-127019	18.7			18.7	18.4			19.1		
U09-129007	18.8			19.3	18.6			18.5		
U09-209069	19.1			18.5	19.1			19.7		
U09-210042	18.7			18.7	18.9			18.4		
U09-210051	18.9			18.6	19.2			18.8		
U09-211070	18.7			18.4	18.9			18.9		
U09-306098	18.7			18.3	18.6			19.1		
SD08CV-1041	18.8			18.7	18.7			19.0		
SD08CV-1043	19.1			18.8	19.1			19.3		
SD08CV-1061	18.4			18.5	18.2			18.5		
SD08CV-1066	19.0			18.9	18.9			19.1		
SD08CV-1078	18.1			18.5	17.4			18.4		
SD08CV-1080	18.8			19.3	18.3			18.7		
SD08CV-1211	18.5			18.8	18.3			18.3		

Uniform Test II, 2011

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1	IA2094 (II)	AgriPro X0121B74 x A00-711036	Fehr	3	F4	
2.	IA1022 (SCN)	Dairyland 98822 x A00-711024	Fehr	3	F5	SCN
3.	IA3024	A97-553017 x Pioneer YB33A99	Fehr	4		1% linolenic
4.	LD02-4485	M90-184111 x IA3010	Diers	10 SCN UTII	F5	SCN
5.	A07-626002	A02-136030 x Dairyland 99540	Fehr	2	F4	
6.	A08-248043	A04-545045 x AgriPro 98180-A01-0613	Fehr	1	F4	
7.	AR08-286003	Garst-Agripro 98620-B01-51163 x AR02-101001	Cianzio	1	F3	BSR
8.	AR08-286004	Golden Harvest H-2285 x AR02-101001	Cianzo	PTIIA	F4	BSR
9.	AR09-192008	AR05-250117 x Soygenetics F40355C	Cianzio	PTI	F4	
10.	AR09-192010	Soygenetics F35815C x AR04-874018	Cianzio	PTI	F4	BSR
11.	AR09-192018	LD01-7323 x AR02-101001	Cianzio	PTI	F4	BSR
12.	AR09-192019	LD01-7323 x AR02-101001	Cianzo	PTIIA	F4	BSR
13.	E08200	A02-381046 x IA2065	Wang	PTIIA	F5	
14.	E08210	A02-381046 x IA2065	Wang	PTIIA	F5	
15.	SD07CV-367	IA2052 x Pion 9071	Jiang	PTIIB	F8	
16.	SD07CV-603	M96-355009 x Pion 9233	Jiang	PTIIB	F8	
17.	SD07CV-631	M96-355009 x Pion 9233	Jiang	PTIIB	F8	
18.	U07-200211	U01-390489 x (U00-429037 x Essex Rsv4)	Graef	PTIIB	F5	Rsv4, SCN?
19.	U07-402918	U01-390489 x (U00-429037 x Essex Rsv4)	Graef	PTIIB	F5	Rsv4, SCN?, Dt

UNIFORM TEST II, 2011

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Humboldt IA	Chlorosis Score Danvers MN	Shattering Score Manhattan KS	Shattering Score Urbana IL	Green Stem Score Lafayette IN	Green Stem Score Wanatah IN	SDS DX Manito IL
IA2094 (II)	PTTSYYI	3.6	2.3	2.0	0.0	1.0	1.0	36
IA1022 (SCN)	PGTIYYI	3.7	2.8	2.0	2.0	1.0	1.0	47
IA3024	PGTDYIbI	3.1	2.5	1.0	0.0	1.0	1.0	38
LD02-4485	PGBDYLbfI	2.5	2.3	1.0	0.0	1.0	1.0	12
A07-626002	WGBDYYI	3.8	3.5	1.0	0.0	1.0	1.0	44
A08-248043	WGBDYY+BfI	3.9	2.5	1.0	0.0	1.0	1.0	1
AR08-286003	PTBDYBl+BrI	2.7	2.3	1.0	0.0	1.0	1.0	9
AR08-286004	PGTDYBfI	3.0	2.0	2.0	0.0	1.0	1.0	19
AR09-192008	P+WGTDYYI	2.5	3.5	2.0	0.0	1.0	1.0	42
AR09-192010	WTTIYBrI	3.0	3.0	2.0	0.0	1.0	1.0	39
AR09-192018	P+WGBDYYI	2.7	2.8	2.0	0.0	1.0	1.0	16
AR09-192019	P+WGTDYBfI	4.0	3.0	2.0	0.0	1.0	1.0	0
E08200	PTBDYBlI	3.2	3.3	1.0	0.0	1.0	1.0	47
E08210	PTBDYBlI	3.0	3.5	2.0	0.0	1.0	1.0	22
SD07CV-367	WGBDYYI	3.3	2.8	2.0	0.0	1.0	1.0	31
SD07CV-603	WGBDYLbfI	3.1	3.0	2.0	0.0	1.0	1.0	67
SD07CV-631	PGBDYYI	2.9	3.3	2.0	0.0	1.0	1.0	44
U07-200211	WLtBDYGI	4.0	3.5	1.0	0.0	1.0	1.0	20
U07-402918	WGBIYYD	3.8	3.5	1.0	0.0	1.0	1.0	27
H-2494 (sus)								67
K-233+RR (res)								9
2900CR(sus)								31
LD06-50113R								10
P>0.05								0.0001
LSD								25.7

UNIFORM TEST II, 2011

REGIONAL SUMMARY

					Plant	Seed	Seed	Composition	
	Yield	Rank	Maturity	Lodging	Height	Quality	Size	Protein	Oil
No. of Tests	20	20	14	17	17	15	19	4	4
Strain	bu/a	No.	Date	Score	In.	Score	g/100	%	%
IA2094 (II)	60.7	4	9/25	1.6	36	1.4	15.2	33.6	18.3
IA1022 (SCN)	56.7	18	-2.7	2.0	34	1.4	14.9	30.9	20.0
IA3024	60.4	8	4.7	1.6	37	1.6	15.5	32.2	18.1
LD02-4485	60.6	5	0.9	1.9	36	1.5	14.3	31.2	18.6
A07-626002	62.4	2	5.1	1.8	36	1.4	14.5	33.1	17.8
A08-248043	63.3	1	1.1	2.1	37	1.3	15.6	33.9	17.7
AR08-286003	61.1	3	4.0	1.4	36	1.5	15.9	33.6	18.6
AR08-286004	60.6	5	0.7	1.6	34	1.4	13.9	34.4	17.6
AR09-192008	57.8	15	0.5	1.8	36	1.5	16.3	33.5	18.0
AR09-192010	58.6	14	0.5	1.8	36	1.6	15.9	34.6	18.1
AR09-192018	58.9	13	-1.6	1.6	35	1.3	15.5	33.8	18.0
AR09-192019	60.6	5	0.0	1.7	34	1.5	15.4	34.0	17.7
E08200	59.8	11	3.5	1.8	38	1.6	16.0	34.2	18.0
E08210	59.4	12	-1.0	1.5	35	1.6	16.2	32.9	18.6
SD07CV-367	57.7	16	0.0	1.9	40	1.6	17.6	32.8	18.7
SD07CV-603	56.7	18	0.7	2.2	37	1.3	14.7	34.0	17.7
SD07CV-631	60.1	9	2.9	1.9	37	1.4	15.9	35.0	17.4
U07-200211	60.0	10	3.5	2.0	35	1.5	16.9	33.5	17.6
U07-402918	57.6	17	2.9	1.6	34	1.4	16.5	32.9	18.0

124.8 Days After Planting

UNIFORM TEST II, 2011

2010-2011 2-YEAR MEAN

Strain	Yield bu/a	Rank No.	Maturity Date	Lodging Score	Plant Height In.	Seed Quality Score	Seed Size g/100	Composition Protein %	Composition Oil %
No. of Tests	38	38	30	35	34	28	38	19	19
IA2094 (II)	62.4	5	9/21	1.6	35	1.4	14.9	34.2	18.1
IA1022 (SCN)	58.2	6	-3.8	1.9	34	1.5	14.6	32.2	19.7
IA3024	62.6	4	5.4	1.6	37	1.6	15.1	32.4	18.4
A07-626002	63.8	2	5.2	1.7	36	1.3	14.1	33.5	17.9
A08-248043	65.3	1	1.7	1.9	37	1.4	15.1	34.3	17.7
AR08-286003	62.8	3	4.3	1.4	36	1.6	15.5	34.5	18.3

122.0 Days After Planting

2009-2011 3-YEAR MEAN

Strain	Yield bu/a	Rank No.	Maturity Date	Lodging Score	Plant Height In.	Seed Quality Score	Seed Size g/100	Composition Protein %	Composition Oil %
No. of Tests	58	58	47	52	50	40	56	33	33
IA2094 (II)	62.6	3	9/21	1.5	34	1.4	15.8	34.2	18.0
IA1022 (SCN)	57.8	4	-3.9	1.7	32	1.5	15.3	32.5	19.6
IA3024	63.3	2	5.1	1.5	36	1.5	16.0	32.3	18.3
A07-626002	64.3	1	4.6	1.5	34	1.3	14.7	33.5	18.0

123.4 Days After Planting

UNIFORM TEST II, 2011

YIELD (bu/a)

Strain	Mean 20 Tests	Carlisle IA	Rippey IA	Burkey Farms IA	Dekalb IL	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lenaweee County MI	Lamberton MN
IA2094 (II)	60.7	73.7	53.8	61.8	78.5	30.8	44.4	62.4	71.5	60.7	50.2
IA1022 (SCN)	56.7	66.3	42.9	64.3	68.9	27.9	37.9	65.1	68.7	57.4	46.9
IA3024	60.4	68.2	54.1	57.2	78.0	35.0	53.4	64.2	69.6	61.3	43.7
LD02-4485	60.6	68.9	52.0	66.0	76.3	44.8	52.9	60.7	64.8	57.6	49.3
A07-626002	62.4	75.4	53.4	60.4	77.4	39.9	54.0	64.2	67.9	61.9	45.4
A08-248043	63.3	75.2	59.7	69.6	80.5	37.1	49.6	67.7	74.7	62.9	47.9
AR08-286003	61.1	71.7	39.6	61.0	73.2	38.2	38.5	69.0	68.3	62.9	49.9
AR08-286004	60.6	71.5	55.2	66.3	72.7	44.2	48.9	57.3	67.1	60.4	45.7
AR09-192008	57.8	70.3	48.5	64.1	75.9	38.6	51.1	57.6	59.3	58.1	46.1
AR09-192010	58.6	67.4	55.8	67.5	75.2	37.4	46.7	62.1	63.7	56.6	41.9
AR09-192018	58.9	66.2	54.8	59.9	75.7	39.7	45.1	64.4	67.0	59.0	47.2
AR09-192019	60.6	64.8	56.6	66.7	73.9	40.5	47.2	71.1	68.2	56.9	49.1
E08200	59.8	65.5	51.9	60.2	78.6	44.1	50.2	59.9	62.3	61.1	47.2
E08210	59.4	67.4	45.1	65.4	75.7	38.0	43.9	60.5	65.7	64.2	48.6
SD07CV-367	57.7	68.6	47.0	66.1	72.3	36.7	45.0	55.3	60.6	62.2	42.2
SD07CV-603	56.7	64.6	40.9	58.9	74.9	34.4	42.7	58.4	67.9	57.4	44.2
SD07CV-631	60.1	65.8	48.2	66.5	77.1	32.2	44.1	56.6	65.0	59.6	43.8
U07-200211	60.0	69.1	52.4	65.8	72.5	45.6	55.3	64.9	60.4	56.8	47.0
U07-402918	57.6	70.2	49.8	64.9	76.0	41.2	48.8	53.1	63.1	51.0	44.1
Location Mean		69.0	50.6	63.8	75.4	38.2	47.4	61.8	66.1	59.4	46.3
C.V. (%)		3.9	11.1	6.1	5.5	8.5	6.4	5.9	4.0	5.4	11.2
L.S.D. (5%)		5.6	11.8	8.2	7.2	5.6	5.0	6.1	4.5	5.6	8.5
Row Sp. (In.)		27	27	30	30	30	30	30	15	15	30
Rows/Plot		4	4	4	4	4	4	4	6	6	4
Reps		2	2	2	2	2	3	3	2	2	3

*Data not included in mean.

UNIFORM TEST II, 2011

YIELD (bu/a)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Hoytville OH	Wooster OH	Chatham ONT	Harrow ONT	Beresford SD	Volga SD
IA2094 (II)	43.2	57.2	70.4	91.9	90.2	77.7	67.3	51.4	44.9	32.6
IA1022 (SCN)	53.4	47.8	60.1	76.0	85.4	58.9	67.1	48.9	45.1	44.7
IA3024	38.5	56.9	66.6	97.2	92.8	82.8	57.0	47.8	45.5	38.0
LD02-4485	46.0	54.7	68.3	75.8	99.1	76.8	70.9	47.8	39.9	38.4
A07-626002	44.9	57.3	71.1	93.1	99.1	81.3	63.2	50.6	47.5	40.9
A08-248043	46.1	58.2	72.1	92.0	86.8	81.5	71.1	46.2	42.9	44.3
AR08-286003	51.3	53.8	80.6	84.4	92.1	78.2	68.7	53.8	44.5	41.4
AR08-286004	46.8	58.4	72.2	90.9	89.4	74.1	65.5	43.8	42.5	38.8
AR09-192008	42.6	50.5	63.8	75.9	80.6	79.5	62.9	47.0	36.2	47.0
AR09-192010	46.1	55.7	56.6	86.9	87.0	73.7	69.2	46.9	37.5	37.6
AR09-192018	44.8	53.0	60.7	82.4	84.4	67.6	70.8	48.0	43.7	43.3
AR09-192019	43.7	55.4	72.3	79.4	84.3	63.6	70.4	50.0	47.7	50.4
E08200	46.3	55.3	70.6	82.7	84.8	76.7	67.2	49.4	45.0	37.1
E08210	47.2	53.2	75.0	82.9	88.8	73.3	61.4	50.2	44.0	38.1
SD07CV-367	44.8	57.6	66.7	78.2	82.3	76.1	63.0	47.5	40.5	41.9
SD07CV-603	38.8	52.3	65.5	87.7	84.1	77.3	59.6	44.0	38.9	41.4
SD07CV-631	40.6	52.2	72.5	93.6	90.6	84.1	71.7	49.6	47.5	41.6
U07-200211	39.3	59.0	68.3	77.6	88.3	82.0	65.9	49.2	41.3	38.9
U07-402918	35.7	55.0	67.4	85.1	91.2	69.7	62.5	46.9	36.0	39.9
Location Mean	44.2	54.9	68.5	84.9	88.5	75.5	66.1	48.4	42.7	40.9
C.V. (%)	9.3	4.9	6.0	5.2	6.1	9.8	7.2	6.3	16.1	10.7
L.S.D. (5%)	6.8	5.6	8.5	9.3	8.9	12.1	5.1	4.2	11.5	7.0
Row Sp. (In.)	30	30	30	30	7.5	7.5	17	18	30	30
Rows/Plot	4	4	4	4	8	8	5	5	4	4
Reps	3	2	2	2	3	3	3	3	3	3

UNIFORM TEST II, 2011

YIELD RANK

Strain	Yield Rank	Carlisle IA	Rippey IA	Burkey Farms IA	Dekalb IL	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lenaweee County MI	Lamberton MN
IA2094 (II)	4	3	7	13	3	18	14	9	2	8	1
IA1022 (SCN)	18	14	17	11	19	19	19	4	4	14	10
IA3024	8	11	6	19	4	15	3	7	3	6	17
LD02-4485	5	9	10	7	7	2	4	11	13	13	3
A07-626002	2	1	8	15	5	7	2	7	7	5	13
A08-248043	1	2	1	1	1	13	7	3	1	2	6
AR08-286003	3	4	19	14	15	10	18	2	5	3	2
AR08-286004	5	5	4	5	16	3	8	16	9	9	12
AR09-192008	15	6	13	12	9	9	5	15	19	12	11
AR09-192010	14	12	3	2	12	12	11	10	14	18	19
AR09-192018	13	15	5	17	10	8	12	6	10	11	7
AR09-192019	5	18	2	3	14	6	10	1	6	16	4
E08200	11	17	11	16	2	4	6	13	16	7	7
E08210	12	12	16	9	10	11	16	12	11	1	5
SD07CV-367	16	10	15	6	18	14	13	18	17	4	18
SD07CV-603	18	19	18	18	13	16	17	14	8	15	14
SD07CV-631	9	16	14	4	6	17	15	17	12	10	16
U07-200211	10	8	9	8	17	1	1	5	18	17	9
U07-402918	17	7	12	10	8	5	9	19	15	19	15

UNIFORM TEST II, 2011

YIELD RANK

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Hoytville OH	Wooster OH	Chatham ONT	Harrow ONT	Beresford SD	Volga SD
IA2094 (II)	13	6	9	5	7	8	8	2	7	19
IA1022 (SCN)	1	19	18	17	13	19	10	9	5	3
IA3024	18	7	14	1	3	2	19	11	4	16
LD02-4485	8	12	10	19	1	10	3	12	15	14
A07-626002	9	5	7	3	1	5	13	3	2	10
A08-248043	6	3	6	4	12	4	2	17	11	4
AR08-286003	2	13	1	10	4	7	7	1	8	8
AR08-286004	4	2	5	6	8	13	12	19	12	13
AR09-192008	14	18	16	18	19	6	15	14	18	2
AR09-192010	6	8	19	8	11	14	6	16	17	17
AR09-192018	10	15	17	13	15	17	4	10	10	5
AR09-192019	12	9	4	14	16	18	5	5	1	1
E08200	5	10	8	12	14	11	9	7	6	18
E08210	3	14	2	11	9	15	17	4	9	15
SD07CV-367	10	4	13	15	18	12	14	13	14	6
SD07CV-603	17	16	15	7	17	9	18	18	16	8
SD07CV-631	15	17	3	2	6	1	1	6	2	7
U07-200211	16	1	10	16	10	3	11	8	13	12
U07-402918	19	11	12	9	5	16	16	15	19	11

UNIFORM TEST II, 2011

MATURITY (date)

Strain	Mean 14 Tests	Carlisle IA	Rippey IA	Burkey Farms IA	Dekalb IL	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lenaweee County MI	Lamberton MN
IA2094 (II)	9/25	9/28		9/24	9/27	8/31	9/22	10/3		10/2	9/30
IA1022 (SCN)	-2.7	-6		-5	-2	-2	-13	-1		-6	-4
IA3024	4.7	4		7	7	13	9	2		5	3
LD02-4485	0.9	-2		2	2	5	1	0		0	-1
A07-626002	5.1	3		6	5	14	8	2		4	4
A08-248043	1.1	-1		2	3	2	-2	0		-1	0
AR08-286003	4.0	3		6	3	9	2	4		4	2
AR08-286004	0.7	-1		-2	1	3	2	0		-2	-1
AR09-192008	0.5	-3		2	0	4	-1	0		2	-1
AR09-192010	0.5	0		2	1	4	-2	-1		0	0
AR09-192018	-1.6	-3		-4	-3	2	-1	0		-6	-3
AR09-192019	0.0	-1		-1	-1	5	1	0		-2	-1
E08200	3.5	4		5	4	9	6	0		1	2
E08210	-1.0	-3		-1	0	1	-2	-2		0	-3
SD07CV-367	0.0	1		-1	1	1	0	-1		-2	0
SD07CV-603	0.7	-2		1	1	5	0	0		-1	-1
SD07CV-631	2.9	3		6	5	5	0	-1		3	1
U07-200211	3.5	2		5	3	11	6	0		5	0
U07-402918	2.9	1		5	3	9	5	-1		4	0
Date Planted	5/23	5/24	5/7	5/10	5/10	5/13	5/17	6/7	6/5	6/6	5/11
Days to Mature	125	127		137	140	110	128	118		118	142

UNIFORM TEST II, 2011

MATURITY (date)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Hoytville OH	Wooster OH	Chatham ONT	Harrow* ONT	Beresford* SD	Volga* SD
IA2094 (II)	10/3	9/24		9/23	10/3	9/14	9/28			
IA1022 (SCN)	-2	-5		0	-2	9	1			
IA3024	3	4		5	-5	2	8			
LD02-4485	0	0		2	-1	-1	6			
A07-626002	3	4		6	4	1	8			
A08-248043	1	-2		4	0	2	7			
AR08-286003	1	2		5	5	3	7			
AR08-286004	0	0		5	-1	1	4			
AR09-192008	-1	-2		3	-2	2	4			
AR09-192010	0	-2		5	-1	-4	5			
AR09-192018	0	-2		1	-2	-4	2			
AR09-192019	0	-2		1	-1	-2	4			
E08200	2	3		4	3	0	6			
E08210	-2	-3		3	0	-2	0			
SD07CV-367	0	-1		3	-1	-1	2			
SD07CV-603	0	-1		5	0	-1	4			
SD07CV-631	2	2		6	2	0	8			
U07-200211	1	3		1	2	2	8			
U07-402918	1	2		3	3	0	7			
Date Planted	5/19	5/9	6/3	5/17	6/6	5/11	6/8	6/10	6/7	5/18
Days to Mature	137	138		129	119	126	112			

* Killing Frost: Harrow, ONT 25 Oct; Beresford, SD 15 Sept; Volga, SD 15 Sept

UNIFORM TEST II, 2011

LODGING (score)

Strain	Mean 17 Tests	Carlisle IA	Rippey IA	Burkey Farms IA	Dekalb IL	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lenaweee County MI	Lamberton MN
IA2094 (II)	1.6	2.5	2.0	1.5	2.0	1.0	1.0	1.0	2.0	2.0	2.0
IA1022 (SCN)	2.0	3.0	1.5	1.8	2.3	1.3	1.0	1.2	2.5	2.5	2.3
IA3024	1.6	2.8	1.8	1.8	2.5	1.0	1.0	1.0	2.5	2.0	1.3
LD02-4485	1.9	2.8	2.8	2.0	2.5	1.0	1.0	1.5	2.5	2.0	1.7
A07-626002	1.8	2.5	2.3	1.8	2.3	1.0	1.0	1.0	2.5	2.5	1.7
A08-248043	2.1	3.0	2.3	2.3	2.5	1.0	1.2	1.5	3.0	2.0	2.0
AR08-286003	1.4	2.0	1.0	1.5	2.0	1.0	1.0	1.0	2.0	1.5	1.7
AR08-286004	1.6	2.5	1.5	1.3	1.8	1.0	1.0	1.0	2.5	2.0	1.7
AR09-192008	1.8	2.5	1.5	1.5	2.3	1.3	1.0	1.0	3.0	3.0	1.3
AR09-192010	1.8	2.8	1.5	2.0	2.0	1.0	1.0	1.0	3.0	1.5	1.7
AR09-192018	1.6	2.5	1.3	1.3	1.5	1.0	1.0	1.0	3.0	2.0	1.3
AR09-192019	1.7	3.0	1.8	1.8	2.0	1.0	1.0	1.0	2.5	2.0	1.3
E08200	1.8	2.5	1.8	1.3	2.0	1.0	1.0	1.0	2.5	2.0	1.7
E08210	1.5	2.0	1.5	1.0	2.0	1.0	1.0	1.0	2.0	2.5	1.0
SD07CV-367	1.9	2.8	2.0	1.5	2.8	1.0	1.0	1.2	2.5	2.0	1.7
SD07CV-603	2.2	3.5	1.5	2.0	3.0	1.0	1.0	1.8	2.5	2.5	2.0
SD07CV-631	1.9	2.8	2.0	1.8	2.5	1.5	1.0	1.0	2.5	2.0	2.0
U07-200211	2.0	3.0	1.8	1.5	2.5	1.3	1.0	1.7	3.0	2.5	1.7
U07-402918	1.6	2.0	1.5	1.0	2.0	1.0	1.0	1.0	2.5	2.0	2.0

UNIFORM TEST II, 2011

LODGING (score)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Hoytville OH	Wooster OH	Chatham ONT	Harrow ONT	Beresford SD	Volga SD
IA2094 (II)	2.3				2.0	1.0	1.0	1.7	1.0	2.0
IA1022 (SCN)	2.7				3.0	1.0	1.3	1.7	2.0	3.0
IA3024	2.0				2.3	1.0	1.0	1.0	1.0	2.0
LD02-4485	2.0				2.7	1.0	1.0	1.7	1.0	3.0
A07-626002	2.0				2.0	1.0	1.3	2.0	2.0	2.0
A08-248043	2.0				3.3	1.0	2.0	2.0	1.0	3.0
AR08-286003	2.0				2.0	1.0	1.0	1.0	1.0	1.0
AR08-286004	2.0				2.0	1.0	1.0	1.3	1.0	2.0
AR09-192008	2.0				2.3	1.0	1.0	1.7	2.0	3.0
AR09-192010	2.3				3.0	1.0	1.0	1.3	2.0	3.0
AR09-192018	2.0				2.3	1.0	1.0	2.0	1.0	2.0
AR09-192019	2.0				2.3	1.0	1.3	1.0	1.0	3.0
E08200	2.3				3.0	1.0	1.3	1.7	1.0	3.0
E08210	2.3				2.0	1.0	1.0	1.0	2.0	2.0
SD07CV-367	2.7				2.7	1.0	1.0	1.7	1.0	4.0
SD07CV-603	2.7				4.0	1.0	1.3	2.0	2.0	3.0
SD07CV-631	2.3				2.7	1.0	1.0	1.7	1.0	3.0
U07-200211	2.0				3.0	1.0	2.0	1.7	2.0	3.0
U07-402918	2.3				2.7	1.0	1.3	1.7	1.0	2.0

UNIFORM TEST II, 2011

PLANT HEIGHT (inches)

Strain	Mean 17 Tests	Carlisle IA	Rippey IA	Burkey Farms IA	Dekalb IL	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lenaweee County MI	Lamberton MN
IA2094 (II)	36	35	33	33	34	28	30	36	44	40	38
IA1022 (SCN)	34	35	28	33	35	26	25	35	42	37	36
IA3024	37	37	36	40	37	28	32	36	46	40	40
LD02-4485	36	36	35	38	39	33	32	36	43	40	38
A07-626002	36	36	35	36	40	32	30	39	41	39	38
A08-248043	37	37	36	38	38	34	32	38	45	40	41
AR08-286003	36	35	30	35	37	32	29	36	45	39	38
AR08-286004	34	36	32	34	36	31	30	33	42	36	35
AR09-192008	36	36	35	36	39	31	30	38	44	38	36
AR09-192010	36	35	32	36	36	30	28	35	47	39	39
AR09-192018	35	35	32	32	37	30	28	35	45	37	36
AR09-192019	34	34	32	36	33	29	29	36	44	38	35
E08200	38	39	38	39	42	34	32	38	45	40	43
E08210	35	33	30	35	38	29	28	35	43	38	39
SD07CV-367	40	43	38	40	44	33	30	39	47	42	42
SD07CV-603	37	36	34	34	36	30	30	40	47	42	40
SD07CV-631	37	39	37	37	40	32	28	36	42	42	40
U07-200211	35	32	30	28	34	31	27	37	46	42	37
U07-402918	34	30	30	29	33	28	26	36	42	42	35

UNIFORM TEST II, 2011

PLANT HEIGHT (inches)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Hoytville OH	Wooster OH	Chatham ONT	Harrow ONT	Beresford SD	Volga SD
IA2094 (II)	42				33	31	35	37	35	42
IA1022 (SCN)	40				33	27	34	35	36	42
IA3024	38				36	31	31	37	38	52
LD02-4485	39				34	27	33	36	26	48
A07-626002	36				35	28	31	37	35	45
A08-248043	35				35	31	34	37	33	42
AR08-286003	39				34	31	34	38	30	42
AR08-286004	35				29	29	32	35	35	43
AR09-192008	39				35	31	31	38	37	43
AR09-192010	38				33	27	36	35	37	45
AR09-192018	37				32	28	35	37	36	39
AR09-192019	33				33	27	32	36	33	39
E08200	32				35	29	34	38	39	44
E08210	36				33	27	32	35	34	44
SD07CV-367	40				38	33	36	39	38	52
SD07CV-603	40				37	32	34	38	36	46
SD07CV-631	39				36	31	30	37	39	46
U07-200211	38				35	29	32	37	40	39
U07-402918	38				33	25	37	37	33	45

UNIFORM TEST II, 2011

SEED QUALITY (score)

Strain	Mean 15 Tests	Carlisle IA	Rippey IA	Burkey Farms IA	Dekalb IL	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lenaweee County MI	Lamberton MN
IA2094 (II)	1.4			2.0	1.0	1.0	2.0	1.5			2.0
IA1022 (SCN)	1.4			1.0	1.0	2.0	2.5	1.5			2.0
IA3024	1.6			2.0	1.0	2.0	2.5	1.5			1.0
LD02-4485	1.5			2.0	1.0	2.0	2.0	1.5			2.0
A07-626002	1.4			2.0	1.0	1.0	2.0	1.5			1.0
A08-248043	1.3			1.0	1.0	1.0	2.0	1.5			1.0
AR08-286003	1.5			2.0	1.0	1.0	2.5	1.5			1.0
AR08-286004	1.4			2.0	1.0	1.0	2.0	1.0			2.0
AR09-192008	1.5			1.0	1.0	2.0	2.0	1.5			2.0
AR09-192010	1.6			2.0	1.0	2.0	2.5	1.0			1.0
AR09-192018	1.3			2.0	1.0	1.0	2.5	1.0			2.0
AR09-192019	1.5			2.0	1.0	2.0	2.0	1.0			2.0
E08200	1.6			3.0	1.0	2.0	2.0	1.5			2.0
E08210	1.6			3.0	1.0	1.0	2.0	1.5			2.0
SD07CV-367	1.6			2.0	1.0	3.0	2.5	1.5			2.0
SD07CV-603	1.3			2.0	1.0	1.0	2.0	1.0			2.0
SD07CV-631	1.4			2.0	1.0	1.0	2.0	2.0			2.0
U07-200211	1.5			2.0	1.0	2.0	1.0	1.0			2.0
U07-402918	1.4			2.0	1.0	2.0	1.5	1.0			2.0

UNIFORM TEST II, 2011

SEED QUALITY (score)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Hoytville OH	Wooster OH	Chatham ONT	Harrow ONT	Beresford SD	Volga SD
IA2094 (II)	2.0		1.0	1.0	1.0	1.0	2.0	1.0	1.0	2.0
IA1022 (SCN)	1.0		1.0	1.0	2.0	1.0	2.0	1.0	1.0	
IA3024	1.0			1.0	2.0	1.0	2.0	1.0	1.0	3.0
LD02-4485	1.0		1.0	2.0	1.0	1.0	2.0	1.0	1.0	2.0
A07-626002	1.0		1.0	1.0	2.0	1.0	2.0	1.0	1.0	2.0
A08-248043	2.0		1.0	1.0	1.0	1.0	2.0	1.0	1.0	2.0
AR08-286003	2.0		1.0	1.0	2.0	1.0	2.0	1.0	1.0	3.0
AR08-286004	2.0		1.0	1.0	1.0	1.0	2.0	1.0	1.0	2.0
AR09-192008	2.0		1.0	1.0	2.0	1.0	2.0	1.0	1.0	2.0
AR09-192010	1.0		1.0	2.0	2.0	1.0	2.0	1.0	1.0	3.0
AR09-192018	1.0		1.0	1.0	1.0	1.0	1.7	1.0	1.0	1.0
AR09-192019	2.0		1.0	2.0	1.0	1.0	2.0	1.0	1.0	2.0
E08200	1.0		1.0	1.0	1.0	1.0	2.0	1.0	1.0	3.0
E08210	1.0		1.0	1.0	2.0	1.0	2.0	1.0	1.0	3.0
SD07CV-367	1.0		1.0	2.0	2.0	1.0	1.3	1.0	1.0	2.0
SD07CV-603	1.0		1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
SD07CV-631	1.0		1.0	1.0	1.0	1.0	1.7	1.0	1.0	2.0
U07-200211	1.0		1.0	1.0	2.0	1.0	2.0	1.0	1.0	3.0
U07-402918	1.0		1.0	1.0	1.0	1.0	2.0	1.0	1.0	2.0

UNIFORM TEST II, 2011

SEED SIZE (g/100)

Strain	Mean 19 Tests	Carlisle IA	Rippey IA	Burkey Farms IA	Dekalb IL	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lenaweee County MI	Lamberton MN
IA2094 (II)	15.2	16.2	13.7	13.8	15.4	12.0	15.9	14.2	19.4	16.8	11.6
IA1022 (SCN)	14.9	16.3	13.5	14.1	14.9	12.7	13.8	14.9	19.0	15.7	13.0
IA3024	15.5	17.3	14.2	14.4	17.5	13.1	14.9	15.7	18.9	17.4	12.2
LD02-4485	14.3	15.5	12.5	12.7	14.5	10.3	14.0	14.1	18.6	16.2	11.7
A07-626002	14.5	15.4	13.4	13.6	15.9	11.4	14.7	14.8	18.1	16.4	12.4
A08-248043	15.6	17.3	15.1	15.4	17.0	12.1	15.8	15.3	18.8	16.9	13.0
AR08-286003	15.9	16.9	13.8	14.2	15.6	12.8	15.2	16.6	21.3	18.1	13.7
AR08-286004	13.9	14.9	12.5	13.0	14.1	10.9	14.5	13.4	18.0	15.3	11.4
AR09-192008	16.3	17.4	14.6	15.7	16.9	12.0	15.8	15.6	20.8	18.9	14.5
AR09-192010	15.9	17.0	14.6	15.3	16.3	11.9	16.2	15.3	20.2	17.6	13.7
AR09-192018	15.5	15.9	14.0	13.9	15.6	12.7	15.3	15.8	20.6	16.7	13.6
AR09-192019	15.4	16.4	13.9	14.5	15.5	12.4	14.9	16.4	19.6	16.7	13.3
E08200	16.0	17.5	13.8	14.9	17.7	13.3	15.8	16.1	19.0	17.3	13.9
E08210	16.2	17.1	14.8	15.3	17.5	13.5	15.0	15.5	20.0	17.7	14.4
SD07CV-367	17.6	19.7	15.7	17.2	18.8	13.7	18.9	17.2	21.2	19.4	16.1
SD07CV-603	14.7	15.3	13.3	14.0	14.8	11.0	15.4	14.7	17.1	16.5	11.7
SD07CV-631	15.9	17.0	14.4	16.5	18.0	11.7	16.9	15.6	19.7	17.9	13.9
U07-200211	16.9	19.0	15.9	16.1	18.3	13.2	17.8	16.1	20.4	19.3	14.5
U07-402918	16.5	18.5	14.6	15.8	17.2	13.5	16.8	14.9	20.2	18.4	16.5

UNIFORM TEST II, 2011

SEED SIZE (g/100)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Hoytville OH	Wooster OH	Chatham ONT	Harrow ONT	Beresford SD	Volga SD
IA2094 (II)	12.0		16.1	17.4	16.3	16.0	18.6	16.6	14.3	12.3
IA1022 (SCN)	12.4		14.9	16.2	16.1	15.7	15.3	16.1	14.3	
IA3024	12.0			17.6	16.8	16.9	16.7	16.1	14.9	12.5
LD02-4485	11.0		14.7	15.4	17.2	17.3	15.7	16.2	13.0	11.1
A07-626002	10.7		14.7	16.0	15.7	15.2	15.5	15.6	14.9	11.4
A08-248043	11.6		16.0	18.1	16.5	16.7	17.0	15.9	14.4	13.4
AR08-286003	12.4		16.3	17.1	17.4	17.9	17.1	17.5	14.8	12.8
AR08-286004	10.0		15.0	16.2	15.6	15.0	15.0	14.3	12.9	11.9
AR09-192008	12.6		16.8	18.9	18.1	18.3	16.8	17.9	14.5	13.7
AR09-192010	12.2		17.9	19.0	16.6	16.2	17.3	16.8	15.1	13.1
AR09-192018	13.4		15.3	17.3	16.6	16.3	16.3	17.5	14.5	13.6
AR09-192019	11.9		15.7	17.1	16.8	16.9	16.6	16.4	14.2	13.4
E08200	12.8		16.7	17.8	17.7	18.0	16.6	16.9	15.3	13.2
E08210	12.6		17.1	18.6	17.6	17.1	17.0	17.2	15.3	14.0
SD07CV-367	15.3		18.2	20.3	18.0	17.5	18.8	18.1	16.2	14.8
SD07CV-603	12.4		13.8	17.2	17.1	16.9	14.6	15.8	13.8	13.1
SD07CV-631	12.1		16.3	18.1	17.1	17.4	16.9	17.1	14.1	12.4
U07-200211	13.0		18.3	19.0	18.1	17.9	17.8	18.4	14.5	12.7
U07-402918	12.9		16.3	17.6	18.5	18.1	18.5	17.4	14.5	12.7

UNIFORM TEST II, 2011

PROTEIN (%)

Strain	Mean 4 Tests	Lamberton MN	Waseca MN	NE	OH	OH	Chatham ONT	Harrow ONT
IA2094 (II)	33.6	32.7	32.1				34.5	35.3
IA1022 (SCN)	30.9	29.3	29.9				30.6	33.7
IA3024	32.2	30.4	30.6				33.1	34.7
LD02-4485	31.2	29.3	29.9				31.5	34.1
A07-626002	33.1	31.5	32.3				33.1	35.4
A08-248043	33.9	32.9	33.1				33.7	35.8
AR08-286003	33.6	32.6	32.1				34.0	35.8
AR08-286004	34.4	32.3	32.7				33.8	38.8
AR09-192008	33.5	32.8	32.2				33.2	35.6
AR09-192010	34.6	33.6	33.8				35.0	36.2
AR09-192018	33.8	32.4	31.8				34.0	36.9
AR09-192019	34.0	32.9	32.1				34.5	36.4
E08200	34.2	32.5	32.5				35.3	36.4
E08210	32.9	32.1	30.6				33.4	35.6
SD07CV-367	32.8	31.9	30.8				33.1	35.6
SD07CV-603	34.0	32.4	32.6				34.2	36.6
SD07CV-631	35.0	34.7	33.7				34.5	37.0
U07-200211	33.5	32.3	32.8				33.7	35.4
U07-402918	32.9	32.9	31.6				32.9	34.1

* Protein and Oil values converted to 13% moisture basis.

UNIFORM TEST II, 2011

OIL (%)

Strain	Mean 4 Tests	Lamberton MN	Waseca MN	NE	OH	OH	Chatham ONT	Harrow ONT
IA2094 (II)	18.3	17.7	18.6				18.9	17.9
IA1022 (SCN)	20.0	19.8	19.7				21.4	19.1
IA3024	18.1	17.9	17.9				19.0	17.7
LD02-4485	18.6	18.2	18.4				19.8	18.1
A07-626002	17.8	17.5	17.0				19.3	17.5
A08-248043	17.7	17.2	17.6				18.9	17.1
AR08-286003	18.6	18.0	18.3				19.7	18.2
AR08-286004	17.6	17.9	17.7				18.6	16.1
AR09-192008	18.0	17.3	17.9				19.4	17.5
AR09-192010	18.1	18.2	17.4				19.1	17.7
AR09-192018	18.0	18.0	18.2				19.1	16.8
AR09-192019	17.7	17.6	17.9				18.4	16.7
E08200	18.0	17.3	17.8				19.1	17.6
E08210	18.6	17.6	18.4				19.9	18.4
SD07CV-367	18.7	18.3	19.0				19.8	17.7
SD07CV-603	17.7	17.7	17.4				18.8	16.9
SD07CV-631	17.4	16.4	17.3				18.8	17.1
U07-200211	17.6	17.4	17.3				18.4	17.1
U07-402918	18.0	17.6	17.7				19.1	17.7

Preliminary Test IIA, 2011

Ent.	Strain	Parentage	Seed Source	Gen. Comp.	Unique Traits
1	IA2094 (II)	AgriPro X0121B74 x A00-711036	Fehr	F4	
2.	IA1022 (SCN)	Dairyland 98822 x A00-711024	Fehr	F5	SCN
3.	IA3024	A97-553017 x Pioneer YB33A99	Fehr		1% linolenic
4.	AR09-392041	LD00-3309 x AR02-101001	Cianzio	F3	BSR
5.	AR10-106001	Golden Harv 24040 x AR05-250117	Cianzio	F4	
6.	AR10-106013	AR05-150109 x Syngenta 05KE307696	Cianzio	F3	BSR
7.	AR10-206012	Golden Harv 24040 x AR05-250117	Cianzio	F4	
8.	AR10-206070	AR02-101001 x Golden Harvest H-2632	Cianzio	F3	BSR
9.	AR10-206073	AR02-101001 x Golden Harvest H-2632	Cianzio	F3	BSR
10.	AR10-206075	AR05-150109 x Syngenta 03JR321086	Cianzio	F3	BSR
11.	AR10-206092	AR04-874024 x Syngenta 03JR321086	Cianzio	F3	BSR
12.	AR10-206101	AR3 (A00-882130) x Golden Harv 24040	Cianzio	F4	IDC
13.	AR10-206105	AR3 (A00-882130) x Golden Harvest 24040	Cianzio	F4	IDC
14.	AR10-206108	AR3 (A00-882130) x M00-114140	Cianzio	F4	IDC
15.	AR10-206113	Golden Harvest H-2285 x AR2	Cianzio	F3	IDC
16.	AR10-206115	Golden Harvest H-2285 x AR03-263051	Cianzio	F3	SDS
17.	AR10-206121	AR03-163008 x Golden Harvest H-2285	Cianzio	F3	SDS
18.	AR10-206128	AR03-161009 x Ripley	Cianzio	F3	SDS
19.	E09014	AxN-1-55 x A00-711003	Wang	F5	
20.	E09089	Skylla x LD01-7323	Wang	F5	
21.	E09090	Skylla x LD01-7323	Wang	F5	
22.	E09107	Skylla x PI 507471	Wang	F5	
23.	E09109	Skylla x PI 507471	Wang	F5	
24.	E09110	Skylla x PI 507471	Wang	F5	
25.	LD08-2370	LD02-5320 x Dairyland 99805	Diers	F5	SCN
26.	LD08-2388	LD02-5320 x Dairyland 99805	Diers	F5	
27.	LD08-3243	LD02-5320 x IA3025	Diers	F5	
28.	LD08-4202	LD02-5320 x HC99-2846	Diers	F5	
29.	SD08CV-2080	M97-136016 x SD96-135-3	Jiang	F5	
30.	SD08CV-2083	M97-136016 x SD96-135-3	Jiang	F5	
31.	SD08CV-2088	M97-136016 x SD96-135-3	Jiang	F5	
32.	SD08CV-2094	M97-136016 x SD96-135-3	Jiang	F5	
33.	SD08CV-2096	M97-136016 x SD96-135-3	Jiang	F5	
34.	SD08CV-2102	M97-136016 x SD96-135-3	Jiang	F5	

PRELIMINARY TEST IIA, 2011

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Shattering Score Urbana IL	Shattering Score Manhattan KS
IA2094 (II)	PTTSYYI	1.0	2.0
IA1022 (SCN)	PGTIYYI	3.0	2.0
IA3024	PGTDYIbI	0.0	1.0
AR09-392041	WTBDYLblI	0.0	2.0
AR10-106001	WGTDYYI	0.0	1.0
AR10-106013	P+WTBIYBlI	1.0	2.0
AR10-206012	PGBDYIbI	0.0	2.0
AR10-206070	WTBDYBlI	0.0	2.0
AR10-206073	WGBDYBfI	0.0	3.0
AR10-206075	P+WLtTDYBrI	0.0	2.0
AR10-206092	PLtTDYBlI	0.0	2.0
AR10-206101	PGBDYIbI	0.0	1.0
AR10-206105	PGBIYIbI	0.0	1.0
AR10-206108	PTBSYBrI	0.0	2.0
AR10-206113	PTBDYSI	0.0	1.0
AR10-206115	PT+GBDYBl+IbI	0.0	3.0
AR10-206121	PTBDYBlI	0.0	1.0
AR10-206128	PGTDYBfI	1.0	2.0
E09014	PT+GBDYBl+IbI	0.0	1.0
E09089	PGTDYGI	0.0	1.0
E09090	PGTDYGI	0.0	1.0
E09107	PTTDYBlI	0.0	1.0
E09109	PTTDYBlI	0.0	1.0
E09110	PTTDYBlI	0.0	1.0
LD08-2370	PGBDYIbI	0.0	1.0
LD08-2388	WTBDYBlI	0.0	1.0
LD08-3243	PGTDYIbI	0.0	2.0
LD08-4202	WT+LtTDYBlI	0.0	1.0
SD08CV-2080	WGBDYBfI	1.0	3.0
SD08CV-2083	PGBDYIbI	0.0	3.0
SD08CV-2088	PGBDYIbI	0.0	2.0
SD08CV-2094	PGBDYIbI	1.0	3.0
SD08CV-2096	PGBDYIbI	0.0	3.0
SD08CV-2102	P+WGBDYIb+BfI	0.0	3.0

PRELIMINARY TEST IIA, 2011

REGIONAL SUMMARY

Strain	Yield 12 bu/a	Rank 12 No.	Maturity 7 Date	Lodging 9 Score	Plant Height 9 In.	Seed Quality 10 Score	Seed Size 11 g/100	Composition Protein 2 %	Composition Oil 2 %
No. of Tests									
IA2094 (II)	58.7	14	9/24	1.7	36	1.5	15.4	35.1	18.4
IA1022 (SCN)	55.0	28	-5.4	2.1	34	1.5	14.9	32.8	19.8
IA3024	58.4	16	5.6	1.8	37	1.4	16.0	34.4	18.1
AR09-392041	59.2	9	3.3	1.8	37	1.6	13.6	34.1	18.1
AR10-106001	58.6	15	-0.9	2.0	38	1.7	15.0	33.9	18.6
AR10-106013	59.9	6	-0.5	2.0	38	1.7	15.7	34.7	18.0
AR10-206012	61.1	4	3.1	1.8	37	1.6	15.4	34.5	19.2
AR10-206070	57.9	18	-0.3	1.4	37	1.5	14.2	34.2	18.4
AR10-206073	62.3	2	2.9	1.6	37	1.6	13.6	34.5	17.6
AR10-206075	62.7	1	0.5	1.5	35	1.4	14.4	34.8	18.4
AR10-206092	61.1	4	1.9	1.6	36	1.5	14.7	34.3	18.8
AR10-206101	54.8	29	4.9	1.6	36	1.6	13.0	34.5	18.7
AR10-206105	59.5	8	1.1	1.7	38	1.8	16.7	33.8	18.0
AR10-206108	54.1	30	-0.1	2.5	38	1.7	12.0	33.3	18.7
AR10-206113	55.9	22	3.8	1.7	39	1.7	12.6	35.5	16.9
AR10-206115	55.2	27	1.5	1.9	41	1.6	14.6	34.7	17.9
AR10-206121	59.8	7	3.5	1.7	38	1.7	15.3	35.0	18.4
AR10-206128	52.5	33	-1.1	2.3	39	1.6	16.8	34.7	17.8
E09014	55.4	26	7.6	2.4	41	1.5	16.7	35.9	17.7
E09089	55.5	25	-2.6	1.6	34	1.3	14.8	34.2	18.0
E09090	58.9	13	-1.2	1.5	35	1.6	15.5	34.0	18.1
E09107	54.1	30	-1.6	1.8	38	1.3	15.3	33.1	18.7
E09109	52.3	34	-0.9	1.4	37	1.5	15.2	33.3	18.7
E09110	53.6	32	-1.0	1.6	38	1.5	15.4	33.2	18.5
LD08-2370	59.1	10	1.1	2.0	38	1.3	17.4	35.0	17.9
LD08-2388	59.1	10	3.9	1.8	37	1.6	15.5	35.2	18.7
LD08-3243	58.4	16	-0.5	1.6	38	1.6	15.3	35.9	17.9
LD08-4202	59.1	10	3.8	1.8	36	1.3	16.6	36.6	17.5
SD08CV-2080	57.4	19	-3.1	1.4	37	1.5	13.7	35.5	18.1
SD08CV-2083	56.0	21	2.4	1.8	38	1.6	12.9	35.2	17.7
SD08CV-2088	57.2	20	1.6	1.8	38	1.6	13.2	36.4	17.3
SD08CV-2094	55.8	24	-4.6	1.8	37	1.5	13.9	35.6	17.7
SD08CV-2096	55.9	22	2.9	1.7	37	1.5	14.0	36.1	17.6
SD08CV-2102	62.0	3	3.1	1.6	38	1.5	14.6	35.6	17.6

121.2 Days After Planting

PRELIMINARY TEST IIA, 2011

YIELD (bu/a)

Strain	Mean 12 Tests	Burkey Farms, Ames IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	58.7	65.9	40.0	36.8	67.2	58.2
IA1022 (SCN)	55.0	62.9	35.2	35.1	68.7	48.9
IA3024	58.4	56.8	45.3	44.7	66.4	57.6
AR09-392041	59.2	66.2	40.6	46.6	63.9	56.3
AR10-106001	58.6	60.2	44.1	43.8	61.6	58.1
AR10-106013	59.9	60.4	43.6	51.0	65.1	59.5
AR10-206012	61.1	64.1	42.4	48.3	73.3	56.4
AR10-206070	57.9	59.3	41.6	50.2	59.6	59.1
AR10-206073	62.3	61.1	45.5	55.0	65.5	63.3
AR10-206075	62.7	65.6	52.8	51.3	68.1	62.8
AR10-206092	61.1	63.1	46.8	52.7	63.7	59.2
AR10-206101	54.8	59.2	43.1	45.2	60.6	56.0
AR10-206105	59.5	69.6	47.4	34.1	64.1	51.1
AR10-206108	54.1	62.4	41.5	45.5	61.0	50.9
AR10-206113	55.9	60.7	46.4	44.8	62.7	56.0
AR10-206115	55.2	65.1	41.4	42.8	52.5	56.4
AR10-206121	59.8	65.2	43.9	50.1	67.9	57.1
AR10-206128	52.5	61.0	34.2	38.0	60.3	42.7
E09014	55.4	61.5	46.6	56.7	65.4	53.6
E09089	55.5	61.9	42.9	37.5	69.9	45.9
E09090	58.9	63.5	44.9	48.2	71.0	50.1
E09107	54.1	54.0	41.0	41.0	64.0	53.1
E09109	52.3	49.6	36.4	34.9	63.1	50.0
E09110	53.6	58.3	38.7	38.2	72.5	48.0
LD08-2370	59.1	69.9	47.4	44.3	66.4	53.9
LD08-2388	59.1	56.9	50.6	48.1	64.3	57.9
LD08-3243	58.4	64.9	37.7	46.4	63.2	53.2
LD08-4202	59.1	56.9	44.2	54.8	65.7	56.5
SD08CV-2080	57.4	53.5	36.2	42.4	67.6	60.4
SD08CV-2083	56.0	55.0	43.0	47.8	66.2	57.0
SD08CV-2088	57.2	55.1	37.4	48.1	65.5	60.4
SD08CV-2094	55.8	57.5	35.7	40.9	65.1	58.9
SD08CV-2096	55.9	55.8	42.0	41.8	63.3	54.9
SD08CV-2102	62.0	63.5	45.1	48.4	73.7	62.0
Location Mean		60.8	42.5	45.2	65.3	55.5
C.V. (%)		6.4	8.4	8.7	5.4	4.7
L.S.D. (5%)		7.9	6.0	8.0	6.0	6.3
Row Sp. (In.)		30	30	30	15	30
Rows/Plot		4	4	4	6	4
Reps		2	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST IIA, 2011

YIELD (bu/a)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Beresford SD	Volga SD
IA2094 (II)	72.8	88.6	91.4	62.6	48.4	32.6	40.3
IA1022 (SCN)	59.9	77.3	91.8	55.1	41.6	34.7	49.0
IA3024	67.1	86.6	93.6	54.5	50.3	43.6	34.8
AR09-392041	70.6	82.6	88.2	62.9	43.3	41.2	48.5
AR10-106001	67.6	80.2	83.3	66.6	48.0	46.1	44.1
AR10-106013	63.9	88.1	93.9	62.8	45.7	39.1	45.7
AR10-206012	70.0	88.2	91.0	66.4	51.7	43.8	37.8
AR10-206070	71.1	79.1	83.0	65.4	44.3	36.6	45.6
AR10-206073	72.6	91.1	93.0	71.8	45.6	42.9	39.8
AR10-206075	70.0	90.0	94.9	58.2	46.5	41.5	51.2
AR10-206092	68.6	93.4	93.8	57.6	48.8	43.2	42.0
AR10-206101	62.1	90.7	82.9	64.2	35.7	32.9	25.2
AR10-206105	74.4	84.8	84.2	66.7	50.8	46.2	40.9
AR10-206108	59.2	85.7	74.5	59.2	42.3	32.4	34.4
AR10-206113	63.0	86.1	75.8	60.3	43.6	39.0	32.5
AR10-206115	67.6	90.9	79.8	58.0	42.9	34.5	30.8
AR10-206121	72.2	84.5	86.4	68.9	47.0	36.4	38.6
AR10-206128	57.7	71.6	83.8	56.8	48.2	32.7	43.3
E09014	57.9	74.8	90.1	58.3	44.5	35.0	20.9
E09089	54.7	78.2	92.8	61.6	42.3	39.0	39.6
E09090	66.0	80.2	90.7	58.9	49.6	41.6	42.4
E09107	59.4	67.4	73.1	61.4	45.4	50.5	38.7
E09109	57.8	75.6	83.5	53.2	45.1	42.3	36.1
E09110	64.4	68.1	81.6	43.8	44.0	44.6	40.5
LD08-2370	63.5	83.3	88.6	65.9	48.6	43.3	34.5
LD08-2388	67.8	87.4	92.8	63.3	47.2	37.8	34.7
LD08-3243	72.6	80.9	90.4	56.0	43.9	49.4	42.3
LD08-4202	68.5	82.6	95.1	58.1	50.0	41.1	35.5
SD08CV-2080	59.7	88.9	83.1	61.7	42.0	49.0	44.6
SD08CV-2083	55.0	78.0	85.6	57.9	42.1	45.8	38.6
SD08CV-2088	64.8	86.8	85.8	60.7	44.0	46.6	31.4
SD08CV-2094	57.5	77.9	80.9	63.7	43.2	41.8	46.5
SD08CV-2096	59.0	75.7	87.7	62.7	48.2	42.6	36.8
SD08CV-2102	63.3	90.6	93.6	69.1	49.7	47.8	37.3
Location Mean	64.8	82.8	87.1	61.0	45.7	41.1	39.0
C.V. (%)	6.5	7.7	4.7	7.2	4.5	13.1	12.0
L.S.D. (5%)	10.0	15.2	8.3	5.7	3.5	11.1	9.2
Row Sp. (In.)	30	30	7.5	17	18	30	30
Rows/Plot	4	4	8	5	5	4	4
Reps	2	2	2	2	3	2	2

PRELIMINARY TEST IIA, 2011

YIELD RANK

Strain	Yield Rank	Burkey Farms, Ames IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	14	4	26	31	10	10
IA1022 (SCN)	28	13	33	32	6	31
IA3024	16	28	9	20	11	13
AR09-392041	9	3	25	15	23	19
AR10-106001	15	21	13	22	29	11
AR10-106013	6	20	15	6	18	6
AR10-206012	4	9	19	10	2	17
AR10-206070	18	22	21	7	33	8
AR10-206073	2	17	8	2	15	1
AR10-206075	1	5	1	5	7	2
AR10-206092	4	12	5	4	24	7
AR10-206101	29	23	16	18	31	20
AR10-206105	8	2	3	34	21	27
AR10-206108	30	14	22	17	30	28
AR10-206113	22	19	7	19	28	20
AR10-206115	27	7	23	23	34	17
AR10-206121	7	6	14	8	8	14
AR10-206128	33	18	34	29	32	34
E09014	26	16	6	1	17	24
E09089	25	15	18	30	5	33
E09090	13	11	11	11	4	29
E09107	30	32	24	26	22	26
E09109	34	34	30	33	27	30
E09110	32	24	27	28	3	32
LD08-2370	10	1	3	21	12	23
LD08-2388	10	27	2	12	20	12
LD08-3243	16	8	28	16	26	25
LD08-4202	10	26	12	3	14	16
SD08CV-2080	19	33	31	24	9	4
SD08CV-2083	21	31	17	14	13	15
SD08CV-2088	20	30	29	12	16	4
SD08CV-2094	24	25	32	27	19	9
SD08CV-2096	22	29	20	25	25	22
SD08CV-2102	3	10	10	9	1	3

PRELIMINARY TEST IIA, 2011

YIELD RANK

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Beresford SD	Volga SD
IA2094 (II)	2	8	11	15	9	33	15
IA1022 (SCN)	24	28	10	31	33	29	2
IA3024	15	13	5	32	3	11	26
AR09-392041	7	19	17	12	26	20	3
AR10-106001	13	22	25	5	12	7	8
AR10-106013	19	10	3	13	16	22	5
AR10-206012	8	9	12	6	1	10	21
AR10-206070	6	24	27	8	21	26	6
AR10-206073	3	2	7	1	17	14	16
AR10-206075	8	6	2	24	15	19	1
AR10-206092	10	1	4	28	7	13	12
AR10-206101	23	4	28	9	34	31	33
AR10-206105	1	16	22	4	2	6	13
AR10-206108	27	15	33	21	29	34	29
AR10-206113	22	14	32	20	25	23	30
AR10-206115	13	3	31	26	28	30	32
AR10-206121	5	17	19	3	14	27	19
AR10-206128	31	32	23	29	10	32	9
E09014	29	31	15	23	20	28	34
E09089	34	25	8	17	30	23	17
E09090	16	22	13	22	6	18	10
E09107	26	34	34	18	18	1	18
E09109	30	30	24	33	19	16	24
E09110	18	33	29	34	22	9	14
LD08-2370	20	18	16	7	8	12	28
LD08-2388	12	11	8	11	13	25	27
LD08-3243	3	21	14	30	24	2	11
LD08-4202	11	19	1	25	4	21	25
SD08CV-2080	25	7	26	16	32	3	7
SD08CV-2083	33	26	21	27	31	8	19
SD08CV-2088	17	12	20	19	23	5	31
SD08CV-2094	32	27	30	10	27	17	4
SD08CV-2096	28	29	18	14	11	15	23
SD08CV-2102	21	5	5	2	5	4	22

PRELIMINARY TEST IIA, 2011

MATURITY (date)

Strain	Mean 7 Tests	Burkey Farms, Ames IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	9/24	9/26	9/3	9/20		9/24
IA1022 (SCN)	-5.4	-6	-5	-11		-6
IA3024	5.6	4	12	8		5
AR09-392041	3.3	4	8	5		2
AR10-106001	-0.9	2	0	0		-2
AR10-106013	-0.5	-2	2	-2		-2
AR10-206012	3.1	3	7	5		0
AR10-206070	-0.3	0	4	2		0
AR10-206073	2.9	3	6	5		2
AR10-206075	0.5	1	5	2		-1
AR10-206092	1.9	2	5	2		1
AR10-206101	4.9	5	9	7		4
AR10-206105	1.1	-2	5	3		0
AR10-206108	-0.1	-2	2	1		-3
AR10-206113	3.8	5	11	5		2
AR10-206115	1.5	2	2	1		2
AR10-206121	3.5	5	8	5		2
AR10-206128	-1.1	-2	-1	-3		-1
E09014	7.6	9	14	13		5
E09089	-2.6	-2	-2	-8		-3
E09090	-1.2	-1	-1	-5		-2
E09107	-1.6	-3	-1	-5		-1
E09109	-0.9	-3	-2	0		-1
E09110	-1.0	-1	-1	-3		-1
LD08-2370	1.1	1	2	1		0
LD08-2388	3.9	5	7	4		4
LD08-3243	-0.5	3	-1	-3		0
LD08-4202	3.8	5	8	5		4
SD08CV-2080	-3.1	-2	-2	-6		-1
SD08CV-2083	2.4	4	7	3		1
SD08CV-2088	1.6	2	6	2		1
SD08CV-2094	-4.6	-3	-4	-8		-3
SD08CV-2096	2.9	3	8	3		2
SD08CV-2102	3.1	4	8	4		2
Date Planted	5/25	5/10	5/13	5/17	6/5	5/9
Days to Mature	121	139	113	126		108

PRELIMINARY TEST IIA, 2011

MATURITY (date)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow* ONT	Beresford* SD	Volga* SD
IA2094 (II)		9/25	10/5	10/5			
IA1022 (SCN)		-1	-5	-4			
IA3024		4	3	3			
AR09-392041		3	1	0			
AR10-106001		-2	-3	-1			
AR10-106013		0	0	0			
AR10-206012		4	1	2			
AR10-206070		-1	-4	-3			
AR10-206073		3	-1	2			
AR10-206075		0	-3	0			
AR10-206092		1	3	0			
AR10-206101		4	3	2			
AR10-206105		1	-2	2			
AR10-206108		1	-2	2			
AR10-206113		3	-1	2			
AR10-206115		3	-1	2			
AR10-206121		4	-2	3			
AR10-206128		0	-1	0			
E09014		4	5	4			
E09089		-2	0	-1			
E09090		-1	1	0			
E09107		0	-3	1			
E09109		-1	-1	2			
E09110		1	-1	-1			
LD08-2370		2	-1	3			
LD08-2388		4	1	2			
LD08-3243		-1	-1	0			
LD08-4202		2	1	2			
SD08CV-2080		-1	-5	-5			
SD08CV-2083		1	-1	2			
SD08CV-2088		2	-2	0			
SD08CV-2094		-2	-6	-6			
SD08CV-2096		3	0	2			
SD08CV-2102		3	-1	2			
Date Planted	6/3	5/17	6/6	6/8	6/10	6/8	5/18
Days to Mature		131	121	119			

* Killing Frost: Harrow, ONT 25 Oct; Beresford, SD 15 Sept; Volga, SD 15 Sept

PRELIMINARY TEST IIA, 2011

LODGING (score)

Strain	Mean 9 Tests	Burkey Farms, Ames IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	1.7	1.5	1.0	1.0	2.5	
IA1022 (SCN)	2.1	1.8	1.0	1.0	2.5	
IA3024	1.8	1.5	1.3	1.0	2.5	
AR09-392041	1.8	1.8	1.0	1.0	3.0	
AR10-106001	2.0	1.8	1.3	1.0	3.0	
AR10-106013	2.0	1.5	1.0	1.0	3.0	
AR10-206012	1.8	1.8	1.0	1.0	2.5	
AR10-206070	1.4	1.5	1.0	1.0	2.0	
AR10-206073	1.6	1.5	1.0	1.0	2.5	
AR10-206075	1.5	1.8	1.0	1.0	3.0	
AR10-206092	1.6	1.8	1.0	1.0	2.0	
AR10-206101	1.6	2.0	1.0	1.0	2.5	
AR10-206105	1.7	1.8	1.0	1.0	2.5	
AR10-206108	2.5	2.3	1.5	1.3	3.0	
AR10-206113	1.7	1.8	1.5	1.0	2.5	
AR10-206115	1.9	1.5	1.0	1.0	3.0	
AR10-206121	1.7	2.0	1.3	1.0	3.0	
AR10-206128	2.3	2.3	1.0	1.0	3.0	
E09014	2.4	3.0	1.0	1.5	3.0	
E09089	1.6	1.8	1.0	1.0	2.5	
E09090	1.5	1.5	1.0	1.0	3.0	
E09107	1.8	1.8	1.0	1.0	2.0	
E09109	1.4	1.0	1.0	1.0	2.0	
E09110	1.6	1.5	1.0	1.0	2.0	
LD08-2370	2.0	1.5	1.0	1.0	3.0	
LD08-2388	1.8	1.8	1.0	1.0	3.0	
LD08-3243	1.6	1.5	1.0	1.0	2.5	
LD08-4202	1.8	1.8	1.0	1.0	2.0	
SD08CV-2080	1.4	1.5	1.0	1.0	2.0	
SD08CV-2083	1.8	1.8	1.0	1.0	2.5	
SD08CV-2088	1.8	1.5	1.0	1.0	2.5	
SD08CV-2094	1.8	1.8	1.0	1.0	2.0	
SD08CV-2096	1.7	2.0	1.0	1.0	2.0	
SD08CV-2102	1.6	2.0	1.0	1.0	2.0	

PRELIMINARY TEST IIA, 2011

LODGING (score)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Beresford SD	Volga SD
IA2094 (II)			2.0	1.5	1.5	2.0	2.0
IA1022 (SCN)			3.0	1.5	2.0	3.0	3.0
IA3024			2.0	2.0	1.5	1.0	3.0
AR09-392041			2.5	1.5	1.5	1.0	3.0
AR10-106001			2.5	2.0	2.0	1.0	3.0
AR10-106013			3.0	1.5	2.0	2.0	3.0
AR10-206012			2.5	1.5	1.5	1.0	3.0
AR10-206070			2.0	1.0	1.5	1.0	2.0
AR10-206073			2.0	2.0	1.0	1.0	2.0
AR10-206075			2.0	1.0	1.0	1.0	2.0
AR10-206092			2.5	1.5	1.5	1.0	2.0
AR10-206101			2.0	1.5	1.0	1.0	2.0
AR10-206105			2.0	1.5	1.5	2.0	2.0
AR10-206108			3.5	3.5	1.0	2.0	4.0
AR10-206113			2.0	1.5	1.0	2.0	2.0
AR10-206115			3.0	2.0	1.5	2.0	2.0
AR10-206121			2.0	2.0	1.0	1.0	2.0
AR10-206128			3.5	2.0	2.0	2.0	4.0
E09014			3.0	3.0	2.5	2.0	3.0
E09089			2.0	1.0	1.0	1.0	3.0
E09090			2.0	1.0	1.0	1.0	2.0
E09107			2.5	2.0	1.5	1.0	3.0
E09109			2.0	2.0	1.0	1.0	2.0
E09110			2.0	1.5	1.5	1.0	3.0
LD08-2370			2.0	2.5	2.0	2.0	3.0
LD08-2388			2.5	1.5	1.5	2.0	2.0
LD08-3243			2.0	1.5	1.5	1.0	2.0
LD08-4202			2.5	1.5	1.5	2.0	3.0
SD08CV-2080			2.5	1.0	1.0	1.0	2.0
SD08CV-2083			2.5	1.5	1.5	1.0	3.0
SD08CV-2088			3.0	2.0	1.5	1.0	3.0
SD08CV-2094			2.5	1.0	1.5	2.0	3.0
SD08CV-2096			2.5	2.0	1.0	2.0	2.0
SD08CV-2102			2.5	2.0	1.0	1.0	2.0

PRELIMINARY TEST IIA, 2011

PLANT HEIGHT (inches)

Strain	Mean 9 Tests	Burkey Farms, Ames IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	36	34	27	27	46	
IA1022 (SCN)	34	29	24	26	44	
IA3024	37	36	31	30	45	
AR09-392041	37	38	33	33	45	
AR10-106001	38	39	31	31	45	
AR10-106013	38	38	31	31	49	
AR10-206012	37	35	31	31	47	
AR10-206070	37	41	32	34	45	
AR10-206073	37	37	31	32	45	
AR10-206075	35	36	28	31	45	
AR10-206092	36	37	30	31	42	
AR10-206101	36	39	33	34	44	
AR10-206105	38	39	31	35	44	
AR10-206108	38	37	31	34	47	
AR10-206113	39	39	35	36	47	
AR10-206115	41	41	35	37	47	
AR10-206121	38	38	32	35	46	
AR10-206128	39	37	31	31	46	
E09014	41	43	36	37	54	
E09089	34	36	25	28	43	
E09090	35	35	26	30	45	
E09107	38	35	29	32	45	
E09109	37	34	29	31	49	
E09110	38	38	28	31	48	
LD08-2370	38	38	35	35	45	
LD08-2388	37	37	33	33	47	
LD08-3243	38	39	31	33	45	
LD08-4202	36	36	32	31	43	
SD08CV-2080	37	33	29	32	45	
SD08CV-2083	38	35	33	35	46	
SD08CV-2088	38	39	33	32	42	
SD08CV-2094	37	36	30	29	46	
SD08CV-2096	37	38	31	34	45	
SD08CV-2102	38	39	31	34	47	

PRELIMINARY TEST IIA, 2011

PLANT HEIGHT (inches)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Beresford SD	Volga SD
IA2094 (II)			35	36	35	37	45
IA1022 (SCN)			34	33	35	40	44
IA3024			36	32	37	37	46
AR09-392041			36	34	36	34	46
AR10-106001			38	35	38	35	48
AR10-106013			35	35	38	37	52
AR10-206012			36	34	37	37	46
AR10-206070			33	34	35	33	47
AR10-206073			34	35	35	37	44
AR10-206075			30	30	33	34	44
AR10-206092			34	31	34	36	46
AR10-206101			33	34	32	29	43
AR10-206105			35	38	35	37	47
AR10-206108			38	37	34	34	50
AR10-206113			35	37	36	42	45
AR10-206115			39	38	40	41	53
AR10-206121			35	33	37	36	46
AR10-206128			39	37	37	40	49
E09014			37	35	42	38	46
E09089			33	31	34	27	48
E09090			34	33	33	34	44
E09107			37	38	37	34	51
E09109			38	38	37	34	47
E09110			37	36	39	38	48
LD08-2370			35	37	38	36	44
LD08-2388			35	33	37	40	40
LD08-3243			35	37	38	39	47
LD08-4202			33	35	35	38	44
SD08CV-2080			35	32	34	39	54
SD08CV-2083			35	36	36	35	50
SD08CV-2088			36	36	35	36	49
SD08CV-2094			32	36	34	35	52
SD08CV-2096			36	33	36	38	45
SD08CV-2102			38	38	35	39	45

PRELIMINARY TEST IIA, 2011

SEED QUALITY (score)

Strain	Mean 10 Tests	Burkey Farms, Ames IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	1.5	2.0	1.0	2.5		
IA1022 (SCN)	1.5	1.0	2.0	3.0		
IA3024	1.4	2.0	1.0	2.5		
AR09-392041	1.6	2.0	2.0	2.0		
AR10-106001	1.7	2.0	2.0	2.5		
AR10-106013	1.7	2.0	1.0	2.5		
AR10-206012	1.6	2.0	2.0	3.0		
AR10-206070	1.5	2.0	1.0	2.0		
AR10-206073	1.6	2.0	2.0	2.0		
AR10-206075	1.4	2.0	1.0	2.0		
AR10-206092	1.5	2.0	2.0	2.5		
AR10-206101	1.6	2.0	2.0	2.0		
AR10-206105	1.8	3.0	1.0	3.0		
AR10-206108	1.7	2.0	2.0	3.0		
AR10-206113	1.7	2.0	2.0	2.5		
AR10-206115	1.6	2.0	1.0	3.0		
AR10-206121	1.7	2.0	2.0	3.5		
AR10-206128	1.6	1.0	2.0	3.0		
E09014	1.5	2.0	2.0	2.0		
E09089	1.3	2.0	1.0	2.0		
E09090	1.6	2.0	2.0	2.0		
E09107	1.3	1.0	2.0	2.0		
E09109	1.5	2.0	2.0	2.5		
E09110	1.5	2.0	2.0	2.5		
LD08-2370	1.3	1.0	1.0	2.0		
LD08-2388	1.6	2.0	2.0	2.0		
LD08-3243	1.6	2.0	2.0	2.0		
LD08-4202	1.3	2.0	1.0	2.0		
SD08CV-2080	1.5	2.0	2.0	2.5		
SD08CV-2083	1.6	2.0	2.0	2.5		
SD08CV-2088	1.6	2.0	2.0	2.5		
SD08CV-2094	1.5	2.0	2.0	3.0		
SD08CV-2096	1.5	2.0	2.0	2.5		
SD08CV-2102	1.5	2.0	2.0	2.5		

PRELIMINARY TEST IIA, 2011

SEED QUALITY (score)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Beresford SD	Volga SD
IA2094 (II)	1.0	1.0	2.0	1.0	1.0	1.0	2.0
IA1022 (SCN)	1.0	2.0	1.0	1.5	1.0	1.0	1.0
IA3024	1.0	1.0	1.0	2.0	1.0	1.0	1.0
AR09-392041	2.0	1.0	1.0	2.0	1.0	1.0	2.0
AR10-106001	2.0	2.0	1.0	1.5	1.0	1.0	2.0
AR10-106013	2.0	2.0	1.0	2.0	1.0	1.0	2.0
AR10-206012	1.0	1.0	1.0	2.0	1.0	1.0	2.0
AR10-206070	2.0	2.0	1.0	1.5	1.0	1.0	1.0
AR10-206073	2.0	1.0	1.0	2.0	1.0	1.0	2.0
AR10-206075	2.0	1.0	1.0	1.5	1.0	1.0	1.0
AR10-206092	1.0	1.0	1.0	1.0	1.0	1.0	2.0
AR10-206101	1.0	2.0	1.0	2.0	1.0	1.0	2.0
AR10-206105	2.0	2.0	1.0	2.0	1.0	1.0	2.0
AR10-206108	2.0	2.0	1.0	1.5	1.0	1.0	1.0
AR10-206113	1.0	1.0	1.0	2.0	1.0	1.0	3.0
AR10-206115	1.0	2.0	1.0	2.0	1.0	1.0	2.0
AR10-206121	1.0	1.0	1.0	2.0	1.0	1.0	2.0
AR10-206128	1.0	2.0	1.0	2.0	1.0	1.0	2.0
E09014	1.0	1.0	1.0	2.0	1.0	1.0	2.0
E09089	1.0	1.0	1.0	1.0	1.0	1.0	2.0
E09090	2.0	1.0	2.0	1.0	1.0	1.0	2.0
E09107	1.0	1.0	1.0	1.0	1.0	1.0	2.0
E09109	1.0	1.0	1.0	1.0	1.0	1.0	2.0
E09110	1.0	1.0	1.0	1.0	1.0	1.0	2.0
LD08-2370	1.0	1.0	1.0	2.0	1.0	1.0	2.0
LD08-2388	1.0	2.0	1.0	1.5	1.0	1.0	2.0
LD08-3243	1.0	2.0	1.0	1.5	1.0	1.0	2.0
LD08-4202	1.0	1.0	1.0	1.0	1.0	1.0	2.0
SD08CV-2080	1.0	1.0	1.0	2.0	1.0	1.0	1.0
SD08CV-2083	1.0	1.0	1.0	2.0	1.0	1.0	2.0
SD08CV-2088	1.0	1.0	1.0	2.0	1.0	1.0	2.0
SD08CV-2094	1.0	1.0	1.0	2.0	1.0	1.0	1.0
SD08CV-2096	1.0	1.0	1.0	1.5	1.0	1.0	2.0
SD08CV-2102	1.0	1.0	1.0	2.0	1.0	1.0	1.0

PRELIMINARY TEST IIA, 2011

SEED SIZE (g/100)

Strain	Mean 11 Tests	Burkey Farms, Ames IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	15.4	14.0	12.9	15.5	20.6	
IA1022 (SCN)	14.9	13.7	13.4	13.9	18.5	
IA3024	16.0	14.6	13.0	15.9	20.1	
AR09-392041	13.6	12.7	10.8	12.3	18.0	
AR10-106001	15.0	11.1	13.0	15.0	19.3	
AR10-106013	15.7	13.7	12.3	14.9	20.3	
AR10-206012	15.4	14.2	12.7	16.7	19.0	
AR10-206070	14.2	12.3	12.1	14.6	17.9	
AR10-206073	13.6	12.5	11.9	13.9	16.5	
AR10-206075	14.4	13.0	12.6	14.9	18.0	
AR10-206092	14.7	12.9	12.0	13.9	20.1	
AR10-206101	13.0	12.0	9.2	11.8	15.9	
AR10-206105	16.7	15.2	12.2	15.0	22.3	
AR10-206108	12.0	10.5	8.8	11.8	14.9	
AR10-206113	12.6	11.8	9.6	11.1	15.8	
AR10-206115	14.6	14.1	12.8	15.5	17.5	
AR10-206121	15.3	15.0	12.3	15.1	18.6	
AR10-206128	16.8	16.3	13.1	17.7	19.8	
E09014	16.7	15.7	15.0	19.5	19.9	
E09089	14.8	13.1	13.4	14.0	18.8	
E09090	15.5	13.9	13.8	15.0	20.7	
E09107	15.3	13.4	14.6	14.3	20.6	
E09109	15.2	13.3	12.6	13.9	19.7	
E09110	15.4	13.6	14.0	13.9	20.2	
LD08-2370	17.4	17.2	14.7	17.1	20.9	
LD08-2388	15.5	14.1	13.1	15.9	19.2	
LD08-3243	15.3	15.3	11.5	15.4	19.0	
LD08-4202	16.6	15.3	13.0	16.6	20.7	
SD08CV-2080	13.7	11.6	12.2	13.4	17.8	
SD08CV-2083	12.9	11.4	10.2	12.6	17.4	
SD08CV-2088	13.2	12.4	9.7	12.6	16.7	
SD08CV-2094	13.9	12.2	12.0	13.6	17.7	
SD08CV-2096	14.0	12.4	12.0	13.7	18.2	
SD08CV-2102	14.6	13.4	12.5	15.0	19.0	

PRELIMINARY TEST IIA, 2011

SEED SIZE (g/100)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Beresford SD	Volga SD
IA2094 (II)	15.9	16.9	15.5	17.1	16.5	12.5	11.6
IA1022 (SCN)	15.4	16.1	16.7	13.6	16.1	13.4	13.0
IA3024	15.9	18.1	17.6	17.3	17.4	14.4	12.4
AR09-392041	14.1	14.6	14.3	14.0	14.6	11.9	12.2
AR10-106001	14.9	16.4	16.5	17.1	15.7	13.6	12.6
AR10-106013	15.6	16.6	18.1	17.0	16.6	14.2	13.9
AR10-206012	14.7	16.9	16.9	16.5	16.4	14.0	11.3
AR10-206070	14.1	15.3	15.3	14.8	14.9	13.3	11.4
AR10-206073	13.5	14.5	14.4	14.8	13.8	12.3	11.1
AR10-206075	14.3	14.8	15.8	15.2	14.8	12.9	11.9
AR10-206092	14.9	16.2	16.3	15.1	15.8	12.9	12.0
AR10-206101	14.6	15.6	15.3	13.6	13.0	11.9	9.8
AR10-206105	17.1	17.5	18.4	17.1	18.7	15.9	14.2
AR10-206108	11.9	13.2	13.9	13.3	12.6	11.8	9.1
AR10-206113	12.4	14.3	13.4	15.6	13.6	11.3	10.0
AR10-206115	14.9	15.9	16.2	14.3	14.9	13.3	11.5
AR10-206121	15.5	16.7	16.6	16.3	16.1	14.1	11.9
AR10-206128	16.5	18.2	18.6	18.0	18.8	14.3	13.4
E09014	16.3	18.8	18.6	17.0	17.9	13.5	11.1
E09089	13.3	15.3	17.3	15.9	15.3	13.6	12.4
E09090	15.5	15.7	16.8	15.5	16.2	13.7	13.9
E09107	15.0	15.1	14.7	16.0	16.8	14.8	13.0
E09109	15.3	15.7	16.6	15.9	16.6	15.0	12.8
E09110	15.2	15.1	16.2	15.8	16.8	14.9	13.6
LD08-2370	16.6	18.3	16.4	19.9	19.9	16.4	14.2
LD08-2388	15.7	16.7	16.9	17.4	17.0	13.5	11.2
LD08-3243	15.4	16.5	15.3	15.6	16.5	15.0	12.8
LD08-4202	17.4	18.5	18.2	16.3	18.3	15.3	13.4
SD08CV-2080	13.1	14.2	14.7	14.3	14.6	13.4	11.9
SD08CV-2083	12.1	13.6	14.2	13.3	14.0	12.4	10.7
SD08CV-2088	13.3	14.6	14.6	14.0	14.2	13.2	10.2
SD08CV-2094	12.5	14.0	14.7	15.2	14.8	13.4	13.1
SD08CV-2096	13.0	14.4	15.8	14.8	15.0	12.7	11.8
SD08CV-2102	13.5	15.3	15.6	15.6	16.0	13.1	11.7

PRELIMINARY TEST IIA, 2011

PROTEIN (%)

Strain	Mean 2 Tests	IA	IL	IN	MI	OH	Chatham ONT	Harrow ONT
IA2094 (II)	35.1						34.8	35.4
IA1022 (SCN)	32.8						31.7	34.0
IA3024	34.4						33.8	35.0
AR09-392041	34.1						32.8	35.4
AR10-106001	33.9						33.5	34.4
AR10-106013	34.7						33.8	35.6
AR10-206012	34.5						33.8	35.1
AR10-206070	34.2						32.6	35.8
AR10-206073	34.5						33.7	35.4
AR10-206075	34.8						33.8	35.7
AR10-206092	34.3						33.2	35.3
AR10-206101	34.5						33.8	35.2
AR10-206105	33.8						32.6	35.1
AR10-206108	33.3						32.8	33.8
AR10-206113	35.5						35.1	35.9
AR10-206115	34.7						33.9	35.5
AR10-206121	35.0						34.6	35.4
AR10-206128	34.7						34.0	35.4
E09014	35.9						35.2	36.5
E09089	34.2						32.5	35.8
E09090	34.0						32.8	35.1
E09107	33.1						32.1	34.2
E09109	33.3						32.7	33.9
E09110	33.2						32.1	34.4
LD08-2370	35.0						32.8	37.1
LD08-2388	35.2						34.5	35.9
LD08-3243	35.9						35.1	36.8
LD08-4202	36.6						35.5	37.7
SD08CV-2080	35.5						34.0	36.9
SD08CV-2083	35.2						33.6	36.9
SD08CV-2088	36.4						35.1	37.7
SD08CV-2094	35.6						34.3	36.9
SD08CV-2096	36.1						35.1	37.1
SD08CV-2102	35.6						35.1	36.2

* Protein and Oil values converted to 13% moisture basis.

PRELIMINARY TEST IIA, 2011

OIL (%)

Strain	Mean 2 Tests	IA	IL	IN	MI	OH	Chatham ONT	Harrow ONT
IA2094 (II)	18.4						18.8	18.0
IA1022 (SCN)	19.8						20.8	18.8
IA3024	18.1						18.7	17.6
AR09-392041	18.1						19.2	16.9
AR10-106001	18.6						18.9	18.3
AR10-106013	18.0						18.6	17.4
AR10-206012	19.2						19.7	18.8
AR10-206070	18.4						19.6	17.1
AR10-206073	17.6						18.5	16.7
AR10-206075	18.4						19.2	17.7
AR10-206092	18.8						19.7	18.0
AR10-206101	18.7						19.7	17.8
AR10-206105	18.0						18.7	17.3
AR10-206108	18.7						19.2	18.3
AR10-206113	16.9						17.3	16.5
AR10-206115	17.9						18.4	17.3
AR10-206121	18.4						18.9	17.8
AR10-206128	17.8						18.0	17.6
E09014	17.7						18.3	17.2
E09089	18.0						19.1	16.9
E09090	18.1						18.9	17.4
E09107	18.7						19.4	18.1
E09109	18.7						19.2	18.1
E09110	18.5						19.0	18.1
LD08-2370	17.9						18.9	17.0
LD08-2388	18.7						19.2	18.2
LD08-3243	17.9						18.5	17.3
LD08-4202	17.5						18.3	16.7
SD08CV-2080	18.1						19.4	16.9
SD08CV-2083	17.7						18.8	16.5
SD08CV-2088	17.3						18.2	16.4
SD08CV-2094	17.7						18.9	16.5
SD08CV-2096	17.6						18.3	17.0
SD08CV-2102	17.6						18.2	17.0

Preliminary Test IIB, 2011

Ent.	Strain	Parentage	Seed Source	Gen. Comp.	Unique Traits
1	IA2094 (II)	AgriPro X0121B74 x A00-711036	Fehr	F4	
2.	IA1022 (SCN)	Dairyland 98822 x A00-711024	Fehr	F5	SCN
3.	IA3024	A97-553017 x Pioneer YB33A99	Fehr		1% linolenic
4.	LG08-1643	F6 IA2052 x LG01-7812	Nelson	F6	BC2 G. soja donor
5.	LG09-5636	F6 LG00-8298 x H2885	Nelson	F6	Diversity
6.	LG09-5856	F6 LG02-3922 x H2885	Nelson	F6	Diversity
7.	LG09-5857	F6 LG02-3922 x H2885	Nelson	F6	Diversity
8.	LG09-5875	F6 LG02-4042 x PI 612750	Nelson	F6	Diversity
9.	LG09-7193	F6 LG00-3372 x LG00-6715	Nelson	F6	Diversity
10.	HS8W-30	HS1-3661 x HF01-0821	McHale	F4	
11.	HS8W-106	HF01-0821 x Kottman	McHale	F4	
12.	HM09-W035	HS0-3243 x Dennison	McHale	F4	
13.	HM09-W041	HS0-3243 x Dennison	McHale	F4	
14.	HM09-W146	HS0-3243 x IA 3017	McHale	F4	
15.	HM09-W155	HS1-3661 x (Wandot. x Md99-173-11-17)	McHale	F4	
16.	U06-103459-223	NE 2801 x U01-290680	Graef	F5	
17.	U06-103459-73	NE 2801 x U01-290680	Graef	F5	
18.	U08-314029	U00-433038 x LD05-16638	Graef	F5	Rag1, Dt
19.	U09-215057	U01-390489 x U03-200317	Graef	F5	SCN,Rps,Dt
20.	U09-224078	U03-200317 x U03-300134	Graef	F5	Rps
21.	U09-310098	U02-242055 x U03-200317	Graef	F5	Rps1K
22.	U09-311114	U02-242055 x U03-200317	Graef	F5	Rps1K
23.	U09-312115	U02-242055 x U03-300134	Graef	F5	Rps1K
24.	U09-316113	LD01-5907 x U03-300134	Graef	F5	SCN,Rps
25.	U09-317120	U03-300134 x U03-400435	Graef	F5	Rps,
26.	U09-808019	UP3YC3S3:7	Graef	F5	
27.	U09-811027	UP3YC3S3:7	Graef	F5	
28.	U09-823008	UP3YC3S3:7	Graef	F5	
29.	U09-825013	UP3YC3S3:7	Graef	F5	
30.	U09-830023	UP3YC3S3:7	Graef	F5	

PRELIMINARY TEST IIB, 2011

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Shattering Score	
		Urbana IL	Manhattan KS
IA2094 (II)	PTTSYYI	0.0	2.0
IA1022 (SCN)	PGTIYYI	3.0	3.0
IA3024	PGTDYIbI	0.0	1.0
LG08-1643	PTTDYBlI	0.0	1.0
LG09-5636	WTBDYBlI	0.0	1.0
LG09-5856	WGBDYLbfI	0.0	1.0
LG09-5857	PGBDYIbI	0.0	1.0
LG09-5875	PTBDYBrI	0.0	1.0
LG09-7193	PGBDYIbI	0.0	2.0
HS8W-30	WLtBIYBrI	0.0	1.0
HS8W-106	WLtBDYBlI	0.0	1.0
HM09-W035	PLtBDYBlI	0.0	1.0
HM09-W041	WLtBDYBlI	0.0	1.0
HM09-W146	WLtBDYBlI	0.0	2.0
HM09-W155	WG+TBIYBr+BfI	0.0	1.0
U06-103459-223	WGTIYBfI	0.0	2.0
U06-103459-73	WGTIYBfI	0.0	2.0
U08-314029	PTBIYBlD	0.0	2.0
U09-215057	WGBIYLbfD	0.0	2.0
U09-224078	PLtBDYBlI	0.0	2.0
U09-310098	WLtBDYBlI	0.0	2.0
U09-311114	P+WLtBDYBlI	0.0	2.0
U09-312115	PLtBDYBlI	0.0	2.0
U09-316113	PGBDYIbI	0.0	2.0
U09-317120	PLtBDYBlI	0.0	2.0
U09-808019	PGBDYIbI	0.0	2.0
U09-811027	P+WTTDYBlI	0.0	2.0
U09-823008	PTTDYBlI	0.0	2.0
U09-825013	PGTDYIbI	0.0	1.0
U09-830023	PTTDYBlI	0.0	1.0

PRELIMINARY TEST IIB, 2011

REGIONAL SUMMARY

Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Quality	Seed Size	Composition	
								Protein	Oil
No. of Tests	11	11	7	9	9	10	11	2	2
	bu/a	No.	Date	Score	In.	Score	g/100	%	%
IA2094 (II)	61.2	9	9/24	2.0	36	1.5	15.3	34.7	18.4
IA1022 (SCN)	57.4	22	-5.7	2.3	36	1.8	15.0	33.8	19.4
IA3024	60.9	11	5.1	1.8	38	1.5	15.7	34.5	18.0
LG08-1643	57.2	23	2.4	2.3	43	1.3	14.6	34.8	17.8
LG09-5636	56.3	27	3.4	1.8	39	1.6	15.3	34.4	17.3
LG09-5856	56.1	28	5.5	2.1	39	1.7	13.1	35.3	17.4
LG09-5857	58.6	17	4.0	2.2	41	1.7	14.6	34.6	17.4
LG09-5875	55.0	29	5.9	2.3	45	1.4	14.5	35.3	18.4
LG09-7193	57.6	21	4.0	1.9	40	1.6	14.6	35.0	17.4
HS8W-30	58.7	15	5.1	2.1	37	1.5	16.6	36.2	17.7
HS8W-106	58.9	13	7.4	1.5	37	1.4	15.8	35.3	18.0
HM09-W035	58.9	13	5.0	2.1	37	1.4	15.5	35.6	17.4
HM09-W041	57.2	23	6.4	2.0	38	1.6	14.9	35.6	17.3
HM09-W146	63.2	6	2.8	2.1	36	1.7	16.4	35.6	17.9
HM09-W155	58.5	19	6.6	2.3	42	1.7	15.4	35.1	18.0
U06-103459-223	61.1	10	1.5	1.8	36	1.3	14.7	34.8	19.5
U06-103459-73	60.1	12	2.1	2.0	38	1.4	14.8	34.4	19.4
U08-314029	57.2	23	0.6	1.4	31	1.5	16.2	33.5	18.2
U09-215057	65.0	1	2.4	1.5	37	1.4	15.9	34.2	18.5
U09-224078	62.9	8	3.7	1.5	37	1.7	13.4	34.5	18.0
U09-310098	63.7	5	4.4	2.0	40	1.5	14.7	33.7	19.6
U09-311114	64.5	2	5.0	1.9	39	1.5	15.7	32.8	19.3
U09-312115	63.1	7	4.4	1.6	36	1.4	13.0	33.2	19.5
U09-316113	63.9	4	4.1	1.8	39	1.6	15.0	33.7	18.6
U09-317120	64.2	3	1.6	1.4	35	1.4	12.6	35.4	17.6
U09-808019	58.6	17	3.2	2.1	41	1.3	15.5	35.0	18.0
U09-811027	54.1	30	2.6	1.9	42	1.2	16.2	35.1	18.2
U09-823008	56.8	26	0.9	2.2	37	1.3	14.3	34.9	18.2
U09-825013	58.7	15	3.6	1.5	38	1.4	15.7	35.1	17.4
U09-830023	58.4	20	6.5	2.1	40	1.4	15.5	34.5	18.4

121.7 Days After Planting

PRELIMINARY TEST IIB, 2011

YIELD (bu/a)

Strain	Mean 11 Tests	Burkey Farms, Ames IA	Urbana IL	Lafayette IN	Ingham County MI	Beemer NE
IA2094 (II)	61.2	58.7	42.9	40.1	69.3	59.8
IA1022 (SCN)	57.4	67.2	35.6	34.2	63.7	51.4
IA3024	60.9	56.2	44.0	42.5	66.5	57.5
LG08-1643	57.2	52.5	46.9	39.1	61.0	58.4
LG09-5636	56.3	51.5	44.3	37.0	66.6	52.1
LG09-5856	56.1	51.1	42.2	39.1	63.7	56.9
LG09-5857	58.6	59.1	46.7	43.8	59.3	55.4
LG09-5875	55.0	56.4	40.5	35.5	67.6	49.0
LG09-7193	57.6	57.9	49.9	45.5	64.0	55.3
HS8W-30	58.7	51.4	46.3	43.3	60.0	55.5
HS8W-106	58.9	53.6	45.0	38.8	63.2	53.8
HM09-W035	58.9	52.3	41.3	36.8	65.1	55.0
HM09-W041	57.2	54.7	47.0	41.0	64.5	50.9
HM09-W146	63.2	61.9	45.6	42.4	65.7	60.1
HM09-W155	58.5	51.0	46.4	34.9	65.9	59.2
U06-103459-223	61.1	53.0	47.0	44.5	70.7	64.4
U06-103459-73	60.1	65.6	44.4	40.3	66.1	64.2
U08-314029	57.2	54.5	45.4	44.6	59.0	61.7
U09-215057	65.0	64.0	51.8	44.3	71.6	68.9
U09-224078	62.9	63.2	41.3	51.7	65.1	60.7
U09-310098	63.7	51.4	48.9	51.5	66.1	61.9
U09-311114	64.5	59.5	41.5	41.7	62.9	63.0
U09-312115	63.1	60.4	47.1	43.8	72.2	59.6
U09-316113	63.9	60.7	46.9	46.1	64.0	63.5
U09-317120	64.2	59.3	45.6	36.8	73.7	59.3
U09-808019	58.6	59.7	42.6	32.2	60.3	54.4
U09-811027	54.1	60.4	47.1	35.7	51.1	59.2
U09-823008	56.8	55.1	44.5	35.1	60.3	56.5
U09-825013	58.7	61.2	48.6	38.8	63.2	55.2
U09-830023	58.4	56.7	47.5	42.3	63.9	55.7
Location Mean		57.3	45.2	40.8	64.5	58.0
C.V. (%)		11.5	8.3	10.4	5.8	6.0
L.S.D. (5%)		13.6	6.3	8.6	6.0	8.5
Row Sp. (In.)		30	30	30	15	30
Rows/Plot		4	4	4	6	4
Reps		2	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST IIB, 2011

YIELD (bu/a)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Beresford SD	Volga* SD
IA2094 (II)	60.8	92.6	90.6	64.5	52.5	41.3	32.4
IA1022 (SCN)	56.4	72.4	84.0	69.6	51.2	45.5	47.2
IA3024	64.1	86.3	95.1	67.4	48.3	42.2	46.6
LG08-1643	60.7	78.3	89.4	61.2	44.7	37.5	22.8
LG09-5636	63.5	65.1	90.3	59.8	45.7	43.2	34.5
LG09-5856	58.9	71.0	91.6	59.4	42.9	40.0	39.9
LG09-5857	64.7	81.1	87.8	65.1	46.3	34.8	28.9
LG09-5875	55.5	77.1	81.4	60.5	45.7	35.4	29.5
LG09-7193	64.0	55.8	90.6	63.8	44.9	42.0	32.5
HS8W-30	71.0	75.7	87.5	68.0	48.4	38.4	38.3
HS8W-106	59.8	85.1	97.5	64.6	45.2	41.0	28.8
HM09-W035	60.0	81.7	95.6	70.3	47.7	42.0	28.8
HM09-W041	68.9	78.1	83.2	54.7	44.1	41.6	26.5
HM09-W146	69.3	89.9	96.7	75.7	48.3	39.2	32.4
HM09-W155	73.6	68.9	95.3	64.2	41.1	42.8	27.5
U06-103459-223	58.1	84.9	94.6	71.9	43.8	39.4	34.0
U06-103459-73	58.4	68.2	94.7	67.5	48.0	43.2	37.2
U08-314029	69.9	71.1	86.4	65.5	32.9	38.7	45.9
U09-215057	70.8	80.3	99.3	74.1	47.8	42.1	37.4
U09-224078	76.5	83.4	91.5	67.7	44.9	45.9	37.1
U09-310098	65.8	102.7	94.5	65.9	48.7	42.7	38.2
U09-311114	73.0	101.4	102.4	66.9	52.3	44.3	27.7
U09-312115	72.3	80.7	97.8	64.4	48.9	46.5	40.0
U09-316113	66.6	77.6	103.5	78.2	50.6	45.7	32.9
U09-317120	73.6	96.3	103.8	69.5	45.5	42.5	48.7
U09-808019	64.7	82.1	88.3	76.0	46.9	37.3	31.8
U09-811027	57.3	63.1	74.4	64.3	45.0	37.4	21.4
U09-823008	58.3	70.7	90.7	65.8	46.9	41.1	50.3
U09-825013	64.7	76.3	89.0	61.6	44.2	42.6	35.8
U09-830023	60.3	69.2	94.7	63.4	45.9	42.9	25.3
Location Mean	64.7	78.9	92.1	66.4	46.3	41.3	34.7
C.V. (%)	9.0	11.0	3.9	9.4	5.8	8.0	18.0
L.S.D. (5%)	13.9	21.1	7.4	8.2	4.5	7.3	12.9
Row Sp. (In.)	30	30	7.5	17	18	30	30
Rows/Plot	4	4	8	5	5	4	4
Reps	2	2	2	2	3	2	2

PRELIMINARY TEST IIB, 2011

YIELD RANK

Strain	Yield Rank	Burkey Farms, Ames IA	Urbana IL	Lafayette IN	Ingham County MI	Beemer NE
IA2094 (II)	9	14	23	17	5	10
IA1022 (SCN)	22	1	30	29	19	28
IA3024	11	18	22	11	8	16
LG08-1643	23	24	10	18	24	15
LG09-5636	27	26	21	22	7	27
LG09-5856	28	29	25	18	20	17
LG09-5857	17	13	12	8	28	21
LG09-5875	29	17	29	26	6	30
LG09-7193	21	15	2	4	16	22
HS8W-30	15	27	14	10	27	20
HS8W-106	13	22	18	20	21	26
HM09-W035	13	25	27	23	13	24
HM09-W041	23	20	8	15	15	29
HM09-W146	6	5	15	12	12	9
HM09-W155	19	30	13	28	11	13
U06-103459-223	10	23	8	6	4	2
U06-103459-73	12	2	20	16	9	3
U08-314029	23	21	17	5	29	7
U09-215057	1	3	1	7	3	1
U09-224078	8	4	28	1	14	8
U09-310098	5	28	3	2	10	6
U09-311114	2	11	26	14	23	5
U09-312115	7	9	6	8	2	11
U09-316113	4	7	10	3	17	4
U09-317120	3	12	16	23	1	12
U09-808019	17	10	24	30	25	25
U09-811027	30	8	6	25	30	13
U09-823008	26	19	19	27	26	18
U09-825013	15	6	4	20	22	23
U09-830023	20	16	5	13	18	19

PRELIMINARY TEST IIB, 2011

YIELD RANK

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Beresford SD	Volga SD
IA2094 (II)	19	4	18	19	1	18	18
IA1022 (SCN)	29	21	27	7	3	4	3
IA3024	16	6	10	12	8	13	4
LG08-1643	20	15	21	26	24	26	29
LG09-5636	18	28	20	28	17	6	14
LG09-5856	24	23	15	29	28	21	7
LG09-5857	13	12	24	17	15	30	22
LG09-5875	30	18	29	27	18	29	21
LG09-7193	17	30	18	23	22	15	17
HS8W-30	6	20	25	9	7	25	8
HS8W-106	23	7	6	18	20	20	23
HM09-W035	22	11	8	6	12	15	23
HM09-W041	10	16	28	30	26	17	27
HM09-W146	9	5	7	3	9	23	18
HM09-W155	2	26	9	22	29	9	26
U06-103459-223	27	8	13	5	27	22	15
U06-103459-73	25	27	11	11	10	6	11
U08-314029	8	22	26	16	30	24	5
U09-215057	7	14	4	4	11	14	10
U09-224078	1	9	16	10	23	2	12
U09-310098	12	1	14	14	6	10	9
U09-311114	4	2	3	13	2	5	25
U09-312115	5	13	5	20	5	1	6
U09-316113	11	17	2	1	4	3	16
U09-317120	2	3	1	8	19	12	2
U09-808019	13	10	23	2	13	28	20
U09-811027	28	29	30	21	21	27	30
U09-823008	26	24	17	15	14	19	1
U09-825013	13	19	22	25	25	11	13
U09-830023	21	25	11	24	16	8	28

PRELIMINARY TEST IIB, 2011

MATURITY (date)

Strain	Mean 7 Tests	Burkey Farms, Ames IA	Urbana IL	Lafayette IN	Ingham County MI	Beemer NE
IA2094 (II)	9/24	9/26	9/3	9/20		9/25
IA1022 (SCN)	-5.7	-5	-5	-12		-6
IA3024	5.1	5	12	11		1
LG08-1643	2.4	4	6	2		1
LG09-5636	3.4	4	7	4		2
LG09-5856	5.5	6	11	11		3
LG09-5857	4.0	5	8	5		2
LG09-5875	5.9	7	14	9		5
LG09-7193	4.0	5	10	5		3
HS8W-30	5.1	6	10	9		4
HS8W-106	7.4	7	14	12		6
HM09-W035	5.0	5	10	9		4
HM09-W041	6.4	7	12	12		5
HM09-W146	2.8	6	4	3		1
HM09-W155	6.6	8	15	11		4
U06-103459-223	1.5	3	3	3		1
U06-103459-73	2.1	3	4	1		2
U08-314029	0.6	2	5	2		2
U09-215057	2.4	4	6	2		2
U09-224078	3.7	4	8	10		2
U09-310098	4.4	4	9	10		3
U09-311114	5.0	6	8	11		4
U09-312115	4.4	5	11	5		4
U09-316113	4.1	6	8	5		4
U09-317120	1.6	3	7	2		1
U09-808019	3.2	6	8	2		2
U09-811027	2.6	6	7	4		2
U09-823008	0.9	2	2	1		1
U09-825013	3.6	5	11	5		4
U09-830023	6.5	8	13	12		6
Date Planted	5/25	5/10	5/13	5/17	6/5	5/9
Days to Mature	122	139	113	126		139

PRELIMINARY TEST IIB, 2011

MATURITY (date)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow* ONT	Beresford* SD	Volga* SD
IA2094 (II)		9/26	10/7	10/5			
IA1022 (SCN)		-5	-4	-3			
IA3024		3	1	3			
LG08-1643		3	0	1			
LG09-5636		3	0	4			
LG09-5856		3	1	4			
LG09-5857		2	1	5			
LG09-5875		3	1	3			
LG09-7193		1	1	3			
HS8W-30		2	2	3			
HS8W-106		6	1	6			
HM09-W035		3	0	4			
HM09-W041		3	2	4			
HM09-W146		2	0	4			
HM09-W155		3	1	5			
U06-103459-223		1	-1	1			
U06-103459-73		2	1	2			
U08-314029		-2	-3	-1			
U09-215057		1	0	2			
U09-224078		1	-1	2			
U09-310098		2	-1	4			
U09-311114		3	-1	4			
U09-312115		3	1	2			
U09-316113		3	1	2			
U09-317120		0	0	-1			
U09-808019		2	0	3			
U09-811027		0	-2	2			
U09-823008		2	-2	0			
U09-825013		0	-1	1			
U09-830023		4	0	3			
Date Planted	6/3	5/17	6/6	6/8	6/10	6/8	5/18
Days to Mature		132	123	119			

* Killing Frost: Harrow, ONT 25 Oct; Beresford, SD 15 Sept; Volga, SD 15 Sept

PRELIMINARY TEST IIB, 2011

LODGING (score)

Strain	Mean 9 Tests	Burkey Farms, Ames IA	Urbana IL	Lafayette IN	Ingham County MI	Beemer NE
IA2094 (II)	2.0	1.8	1.0	1.0	3.0	
IA1022 (SCN)	2.3	1.8	1.0	1.0	3.0	
IA3024	1.8	1.8	1.0	1.0	3.0	
LG08-1643	2.3	2.5	1.3	1.0	3.0	
LG09-5636	1.8	1.8	1.3	1.0	2.5	
LG09-5856	2.1	2.3	1.5	1.0	3.0	
LG09-5857	2.2	2.3	1.3	1.0	3.0	
LG09-5875	2.3	2.8	1.5	1.0	3.0	
LG09-7193	1.9	2.3	1.3	1.0	2.5	
HS8W-30	2.1	2.8	1.0	1.0	2.5	
HS8W-106	1.5	1.8	1.3	1.0	1.5	
HM09-W035	2.1	2.0	1.0	1.0	3.0	
HM09-W041	2.0	2.3	1.3	1.0	2.5	
HM09-W146	2.1	2.0	1.0	1.0	3.0	
HM09-W155	2.3	2.5	1.5	1.0	3.0	
U06-103459-223	1.8	1.8	1.0	1.0	2.5	
U06-103459-73	2.0	2.8	1.0	1.0	2.5	
U08-314029	1.4	1.3	1.0	1.0	2.0	
U09-215057	1.5	1.3	1.0	1.0	2.5	
U09-224078	1.5	2.0	1.0	1.0	2.0	
U09-310098	2.0	1.8	1.3	1.0	3.0	
U09-311114	1.9	2.0	1.0	1.0	3.0	
U09-312115	1.6	2.0	1.3	1.0	3.0	
U09-316113	1.8	2.5	1.3	1.0	2.5	
U09-317120	1.4	1.5	1.0	1.0	2.5	
U09-808019	2.1	2.5	1.0	1.0	3.0	
U09-811027	1.9	2.5	1.0	1.0	2.5	
U09-823008	2.2	1.8	1.3	1.0	3.0	
U09-825013	1.5	1.5	1.3	1.0	2.0	
U09-830023	2.1	2.8	1.5	1.0	2.5	

PRELIMINARY TEST IIB, 2011

LODGING (score)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Beresford SD	Volga SD
IA2094 (II)			2.0	2.0	1.5	2.0	4.0
IA1022 (SCN)			3.0	2.0	1.5	3.0	4.0
IA3024			2.0	2.0	1.0	1.0	3.0
LG08-1643			3.0	2.5	1.5	2.0	4.0
LG09-5636			2.5	2.0	1.0	1.0	3.0
LG09-5856			3.0	3.0	1.5	1.0	3.0
LG09-5857			3.0	2.5	1.5	2.0	3.0
LG09-5875			3.5	2.5	1.5	2.0	3.0
LG09-7193			2.0	2.5	1.5	1.0	3.0
HS8W-30			3.0	2.0	1.5	2.0	3.0
HS8W-106			2.5	1.5	1.0	1.0	2.0
HM09-W035			3.0	1.5	1.0	3.0	3.0
HM09-W041			2.5	2.0	1.5	2.0	3.0
HM09-W146			2.5	2.0	2.0	2.0	3.0
HM09-W155			3.5	2.5	2.0	1.0	4.0
U06-103459-223			2.5	1.0	2.0	1.0	3.0
U06-103459-73			2.0	2.0	1.5	2.0	3.0
U08-314029			2.0	1.5	1.0	1.0	2.0
U09-215057			2.0	1.0	1.0	2.0	2.0
U09-224078			2.0	1.5	1.0	1.0	2.0
U09-310098			3.0	2.0	1.0	2.0	3.0
U09-311114			2.5	2.0	1.0	2.0	3.0
U09-312115			2.0	2.0	1.0	1.0	1.0
U09-316113			2.0	2.0	1.0	2.0	2.0
U09-317120			2.0	1.0	1.0	1.0	2.0
U09-808019			2.5	2.0	2.0	2.0	3.0
U09-811027			3.0	2.0	1.0	1.0	3.0
U09-823008			3.0	2.0	1.5	3.0	3.0
U09-825013			2.0	1.0	1.0	1.0	3.0
U09-830023			3.0	2.0	1.5	2.0	3.0

PRELIMINARY TEST IIB, 2011

PLANT HEIGHT (inches)

Strain	Mean 9 Tests	Burkey Farms, Ames IA	Urbana IL	Lafayette IN	Ingham County MI	Beemer NE
IA2094 (II)	36	35	29	29	46	
IA1022 (SCN)	36	36	26	28	47	
IA3024	38	37	33	33	46	
LG08-1643	43	44	39	39	53	
LG09-5636	39	40	35	36	49	
LG09-5856	39	37	34	32	52	
LG09-5857	41	40	36	37	52	
LG09-5875	45	46	42	40	50	
LG09-7193	40	44	38	36	45	
HS8W-30	37	38	34	36	44	
HS8W-106	37	37	37	33	42	
HM09-W035	37	38	36	35	46	
HM09-W041	38	38	37	35	44	
HM09-W146	36	36	32	32	43	
HM09-W155	42	44	39	37	54	
U06-103459-223	36	39	30	32	44	
U06-103459-73	38	38	31	34	46	
U08-314029	31	30	25	27	36	
U09-215057	37	37	31	31	47	
U09-224078	37	39	32	33	44	
U09-310098	40	41	33	34	47	
U09-311114	39	40	32	33	51	
U09-312115	36	38	31	32	40	
U09-316113	39	42	34	35	46	
U09-317120	35	36	31	29	40	
U09-808019	41	44	38	34	48	
U09-811027	42	45	40	40	42	
U09-823008	37	38	33	32	46	
U09-825013	38	40	37	34	45	
U09-830023	40	43	37	35	47	

PRELIMINARY TEST IIB, 2011

PLANT HEIGHT (inches)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Beresford SD	Volga SD
IA2094 (II)			35	35	36	35	43
IA1022 (SCN)			35	34	36	40	45
IA3024			37	35	37	39	43
LG08-1643			41	36	41	47	50
LG09-5636			37	36	37	41	45
LG09-5856			35	34	38	43	47
LG09-5857			38	36	39	41	49
LG09-5875			48	36	40	45	57
LG09-7193			37	39	38	40	46
HS8W-30			33	33	35	37	43
HS8W-106			36	32	35	39	47
HM09-W035			34	34	33	37	42
HM09-W041			35	35	35	37	45
HM09-W146			32	30	36	37	45
HM09-W155			37	36	38	37	55
U06-103459-223			34	35	37	34	43
U06-103459-73			34	32	37	38	49
U08-314029			30	31	30	31	39
U09-215057			36	34	39	37	46
U09-224078			36	30	37	39	46
U09-310098			36	39	41	41	50
U09-311114			38	35	40	42	43
U09-312115			33	34	37	33	47
U09-316113			36	34	39	43	46
U09-317120			34	33	36	32	45
U09-808019			36	37	39	40	51
U09-811027			40	38	40	39	53
U09-823008			31	34	35	37	48
U09-825013			36	33	37	39	44
U09-830023			36	36	37	40	45

PRELIMINARY TEST IIB, 2011

SEED QUALITY (score)

Strain	Mean 10 Tests	Burkey Farms, Ames IA	Urbana IL	Lafayette IN	Ingham County MI	Beemer NE
IA2094 (II)	1.5	2.0	1.0	3.0		
IA1022 (SCN)	1.8	2.0	2.0	3.5		
IA3024	1.5	2.0	2.0	2.5		
LG08-1643	1.3	2.0	1.0	2.0		
LG09-5636	1.6	2.0	3.0	2.0		
LG09-5856	1.7	3.0	2.0	2.0		
LG09-5857	1.7	2.0	3.0	2.5		
LG09-5875	1.4	1.0	3.0	2.0		
LG09-7193	1.6	2.0	3.0	2.0		
HS8W-30	1.5	1.0	3.0	2.0		
HS8W-106	1.4	2.0	3.0	2.0		
HM09-W035	1.4	2.0	2.0	1.5		
HM09-W041	1.6	2.0	2.0	2.5		
HM09-W146	1.7	2.0	2.0	2.5		
HM09-W155	1.7	2.0	3.0	2.0		
U06-103459-223	1.3	2.0	1.0	1.5		
U06-103459-73	1.4	2.0	1.0	2.0		
U08-314029	1.5	1.0	2.0	2.0		
U09-215057	1.4	2.0	2.0	2.0		
U09-224078	1.7	3.0	3.0	2.0		
U09-310098	1.5	2.0	2.0	2.5		
U09-311114	1.5	1.0	2.0	3.0		
U09-312115	1.4	2.0	2.0	2.0		
U09-316113	1.6	2.0	3.0	2.0		
U09-317120	1.4	2.0	2.0	2.0		
U09-808019	1.3	1.0	2.0	1.5		
U09-811027	1.2	1.0	1.0	2.5		
U09-823008	1.3	2.0	1.0	2.0		
U09-825013	1.4	1.0	2.0	2.0		
U09-830023	1.4	2.0	2.0	2.0		

PRELIMINARY TEST IIB, 2011

SEED QUALITY (score)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Beresford SD	Volga SD
IA2094 (II)	1.0	1.0	1.0	3.0	1.0	1.0	1.0
IA1022 (SCN)	2.0	2.0	1.0	2.5	1.0	1.0	1.0
IA3024	1.0	1.0	1.0	2.0	1.0	1.0	1.0
LG08-1643	2.0	1.0	1.0	1.0	1.0	1.0	1.0
LG09-5636	2.0	1.0	1.0	2.0	1.0	1.0	1.0
LG09-5856	2.0	2.0	1.0	2.0	1.0	1.0	1.0
LG09-5857	1.0	1.0	2.0	2.0	1.0	1.0	1.0
LG09-5875	1.0	1.0	1.0	1.5	1.0	1.0	1.0
LG09-7193	1.0	2.0	1.0	2.0	1.0	1.0	1.0
HS8W-30	2.0	1.0	1.0	2.0	1.0	1.0	1.0
HS8W-106	1.0	1.0	1.0	1.0	1.0	1.0	1.0
HM09-W035	2.0	1.0	1.0	1.0	1.0	1.0	1.0
HM09-W041	2.0	1.0	1.0	2.5	1.0	1.0	1.0
HM09-W146	2.0	2.0	1.0	2.5	1.0	1.0	1.0
HM09-W155	2.0	2.0	1.0	2.0	1.0	1.0	1.0
U06-103459-223	1.0	1.0	1.0	2.5	1.0	1.0	1.0
U06-103459-73	1.0	1.0	1.0	2.5	1.0	1.0	1.0
U08-314029	2.0	2.0	1.0	1.5	1.0	1.0	1.0
U09-215057	1.0	1.0	1.0	2.0	1.0	1.0	1.0
U09-224078	2.0	1.0	1.0	2.0	1.0	1.0	1.0
U09-310098	1.0	1.0	1.0	2.5	1.0	1.0	1.0
U09-311114	2.0	1.0	1.0	1.5	1.0	1.0	1.0
U09-312115	1.0	1.0	1.0	1.5	1.0	1.0	1.0
U09-316113	2.0	1.0	1.0	1.5	1.0	1.0	1.0
U09-317120	1.0	1.0	1.0	1.5	1.0	1.0	1.0
U09-808019	1.0	1.0	1.0	2.0	1.0	1.0	1.0
U09-811027	1.0	1.0	1.0	1.0	1.0	1.0	1.0
U09-823008	1.0	1.0	1.0	1.5	1.0	1.0	1.0
U09-825013	1.0	2.0	1.0	2.0	1.0	1.0	1.0
U09-830023	1.0	1.0	1.0	1.5	1.0	1.0	1.0

PRELIMINARY TEST IIB, 2011

SEED SIZE g/100

Strain	Mean 11 Tests	Burkey Farms, Ames IA	Urbana IL	Lafayette IN	Ingham County MI	Beemer NE
IA2094 (II)	15.3	13.5	13.7	16.1	19.9	
IA1022 (SCN)	15.0	13.8	13.6	14.0	18.6	
IA3024	15.7	14.5	13.8	15.2	19.1	
LG08-1643	14.6	13.5	11.6	14.7	17.6	
LG09-5636	15.3	14.8	12.1	15.8	20.1	
LG09-5856	13.1	11.6	9.8	12.6	16.7	
LG09-5857	14.6	14.0	11.9	14.6	18.1	
LG09-5875	14.5	13.6	11.2	13.3	17.3	
LG09-7193	14.6	14.3	13.7	15.9	17.2	
HS8W-30	16.6	15.6	13.0	15.6	20.7	
HS8W-106	15.8	14.4	11.9	14.5	20.8	
HM09-W035	15.5	14.7	11.5	15.1	20.0	
HM09-W041	14.9	14.3	11.2	14.5	19.4	
HM09-W146	16.4	15.8	13.5	14.4	20.5	
HM09-W155	15.4	14.9	12.4	13.9	18.9	
U06-103459-223	14.7	13.7	12.7	14.6	18.2	
U06-103459-73	14.8	14.0	12.0	13.7	18.5	
U08-314029	16.2	16.8	12.6	15.4	19.3	
U09-215057	15.9	14.6	12.7	16.0	19.0	
U09-224078	13.4	12.6	9.6	12.7	16.5	
U09-310098	14.7	12.9	11.1	13.4	19.0	
U09-311114	15.7	14.5	11.6	13.9	19.5	
U09-312115	13.0	12.3	8.8	11.1	17.1	
U09-316113	15.0	13.8	10.8	13.1	19.7	
U09-317120	12.6	11.6	8.7	11.3	16.5	
U09-808019	15.5	15.4	12.6	14.3	18.5	
U09-811027	16.2	16.4	13.1	16.4	18.8	
U09-823008	14.3	13.0	10.8	13.1	18.5	
U09-825013	15.7	16.1	13.8	15.2	18.7	
U09-830023	15.5	14.8	11.3	15.0	20.2	

PRELIMINARY TEST IIB, 2011

SEED SIZE g/100

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Beresford SD	Volga SD
IA2094 (II)	15.0	16.8	16.5	15.4	15.8	13.6	12.4
IA1022 (SCN)	15.3	14.8	16.3	15.6	15.9	14.4	12.8
IA3024	16.2	17.9	17.0	16.9	16.9	13.4	12.4
LG08-1643	13.7	17.2	16.8	15.7	15.8	12.6	12.0
LG09-5636	15.9	17.3	15.3	15.7	16.4	13.0	12.3
LG09-5856	12.5	15.1	14.5	14.7	14.4	11.5	10.3
LG09-5857	14.6	15.8	15.9	16.4	16.0	12.3	11.0
LG09-5875	14.1	15.6	16.6	15.8	16.0	14.5	11.7
LG09-7193	14.5	16.7	15.1	14.2	14.2	12.7	11.8
HS8W-30	15.6	19.0	18.1	18.8	18.6	14.9	13.1
HS8W-106	15.5	17.7	17.9	16.5	17.6	14.6	12.1
HM09-W035	14.5	17.2	16.0	18.4	16.3	14.8	12.6
HM09-W041	14.6	16.3	15.0	15.4	16.2	15.2	11.8
HM09-W146	16.5	18.7	17.9	17.8	18.1	14.2	13.0
HM09-W155	15.0	17.7	17.4	16.7	16.9	14.3	11.5
U06-103459-223	14.1	15.9	15.5	16.1	16.2	11.9	12.4
U06-103459-73	14.7	17.7	16.0	15.6	16.1	12.7	11.8
U08-314029	16.5	19.5	18.4	17.0	16.3	12.7	13.6
U09-215057	15.5	17.7	17.3	18.5	17.1	14.1	12.1
U09-224078	13.8	14.9	14.8	15.2	14.5	12.3	11.0
U09-310098	14.4	16.5	17.1	15.5	15.8	13.7	12.3
U09-311114	16.5	17.9	17.3	17.2	17.8	13.9	12.6
U09-312115	13.7	13.8	14.4	14.9	14.2	11.7	10.8
U09-316113	15.5	16.6	16.5	16.4	16.5	14.0	12.3
U09-317120	12.8	13.7	13.9	13.5	13.6	11.9	10.9
U09-808019	15.4	17.0	17.0	17.3	16.4	13.2	13.0
U09-811027	15.4	18.5	17.3	17.3	17.6	14.6	12.4
U09-823008	14.1	16.8	16.0	14.8	15.3	12.8	11.8
U09-825013	16.3	17.4	17.3	16.1	16.3	14.0	12.2
U09-830023	14.9	17.1	18.1	15.8	16.7	14.9	11.6

PRELIMINARY TEST IIB, 2011

PROTEIN (%)

Strain	Mean 2 Tests	IA	IL	IN	MI	OH	Chatham ONT	Harrow ONT
IA2094 (II)	34.7						34.3	35.1
IA1022 (SCN)	33.8						32.9	34.6
IA3024	34.5						34.4	34.6
LG08-1643	34.8						34.2	35.4
LG09-5636	34.4						33.9	34.9
LG09-5856	35.3						34.7	35.8
LG09-5857	34.6						33.7	35.6
LG09-5875	35.3						34.7	35.8
LG09-7193	35.0						34.7	35.3
HS8W-30	36.2						35.9	36.5
HS8W-106	35.3						34.5	36.2
HM09-W035	35.6						34.7	36.5
HM09-W041	35.6						35.4	35.8
HM09-W146	35.6						35.1	36.2
HM09-W155	35.1						34.5	35.7
U06-103459-223	34.8						34.5	35.1
U06-103459-73	34.4						34.5	34.3
U08-314029	33.5						33.5	33.4
U09-215057	34.2						34.3	34.2
U09-224078	34.5						34.5	34.6
U09-310098	33.7						33.9	33.4
U09-311114	32.8						32.0	33.6
U09-312115	33.2						32.8	33.6
U09-316113	33.7						33.4	34.0
U09-317120	35.4						35.5	35.2
U09-808019	35.0						34.5	35.5
U09-811027	35.1						35.1	35.1
U09-823008	34.9						33.8	36.0
U09-825013	35.1						35.1	35.2
U09-830023	34.5						34.1	34.9

* Protein and Oil values converted to 13% moisture basis.

PRELIMINARY TEST IIB, 2011

OIL (%)

Strain	Mean 2 Tests	IA	IL	IN	MI	OH	Chatham ONT	Harrow ONT
IA2094 (II)	18.4						18.7	18.1
IA1022 (SCN)	19.4						20.1	18.7
IA3024	18.0						18.2	17.8
LG08-1643	17.8						18.3	17.4
LG09-5636	17.3						17.7	17.0
LG09-5856	17.4						17.7	17.0
LG09-5857	17.4						17.9	17.0
LG09-5875	18.4						18.8	18.1
LG09-7193	17.4						17.7	17.1
HS8W-30	17.7						17.9	17.6
HS8W-106	18.0						18.6	17.3
HM09-W035	17.4						18.0	16.9
HM09-W041	17.3						17.3	17.3
HM09-W146	17.9						18.4	17.4
HM09-W155	18.0						18.4	17.7
U06-103459-223	19.5						19.9	19.1
U06-103459-73	19.4						19.5	19.2
U08-314029	18.2						18.4	17.9
U09-215057	18.5						18.5	18.4
U09-224078	18.0						18.4	17.6
U09-310098	19.6						19.6	19.7
U09-311114	19.3						19.8	18.8
U09-312115	19.5						19.7	19.2
U09-316113	18.6						18.6	18.5
U09-317120	17.6						18.1	17.1
U09-808019	18.0						18.5	17.5
U09-811027	18.2						18.4	17.9
U09-823008	18.2						19.1	17.4
U09-825013	17.4						17.4	17.5
U09-830023	18.4						18.6	18.1

Uniform Test III, 2011

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1	IA3023 (III)	Dairyland DSR-365 x Pioneer P9381	Fehr	10	F5	
2.	IA3024	A97-553017 x Pioneer YB33A99	Fehr	4		1% linolenic
3.	IA3048 (SCN)	Dairyland 99540 x IA2068	Fehr	3	F4	SCN
4.	IA4005	IA3023 x IA3025	Fehr	1		1% linolenic
5.	K07-1544	IA3023 x LD00-3309	Schapaugh	1	F4	
6.	LD07-4477	IA3023 x LD00-3309	Diers	SCN PTIII	F5	SCN
7.	LD07-4530	IA3023 x LD00-3309	Diers	SCN PTIII	F5	SCN
8.	LD07-3419	WW115926 x LD00-2817	Diers	SCN PTIII	F5	SCN
9.	CL04-10534	CL0J173-6-2 x WW115926	LeRoy	09UTIII	F4	Rps 3a, SCN Race 3
10.	CL04-13234	CL0J173-6-2 x S18-N5	LeRoy	09UTIII	F4	Rps3a, SCN
11.	CL05-3314	98820-33 x 0J177-1-9	LeRoy	09PTIIIB	F4	Rps3a, 1k
12.	CL05-46116	CL0J173-6-8 x LD-00-3309	LeRoy	09PTIIIB	F4	Rps3a, SCN
13.	CL05-202522	CL0J173-6-8 x (0D032-3118 x LG00-6293)	LeRoy	09PTIIIB	F4	Rps3a
14.	LG06-2284	IA3023 x LG98-1605	Nelson	PTIIIB	F6	50% exotic parentage
15.	LG07-2309	IA3023 x LG01-7728	Nelson	PTIIIB	F4	BC2 *G. soja* donor
16.	SS05-5096	SS95-15348 x IA2040	Clark	SCN PTIII	F5	

UNIFORM TEST III, 2011

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Humboldt IA	Shattering Score Ashland KS	Green Stem Score Lafayette IN	Green Stem Score S. Charleston OH
IA3023 (III)	WLtBDYBlI	3.3	1.0	1.0	1.0
IA3024	PGTDYIbI	3.1	1.0	1.0	1.0
IA3048 (SCN)	WGBIYYI	3.8	1.0	1.0	1.0
IA4005	WLtTDYBlI	2.8	1.0	1.0	1.0
K07-1544	P+WLtBIYLblI	3.5	1.0	1.0	1.0
LD07-4477	PGBDYIbI	4.0	1.0	1.0	1.0
LD07-4530	WGBDYIbI	2.9	1.0	1.0	1.0
LD07-3419	WGTDYBfI	3.6	1.0	1.0	1.0
CL04-10534	WLtBDYBlI	3.8	2.0	1.0	1.0
CL04-13234	WLtTDYLblI	3.1	1.0	1.0	1.0
CL05-3314	PLtBDYYI	3.3	2.0	1.0	1.0
CL05-46116	PTBDYLblI	3.5	2.0	1.0	1.0
CL05-202522	PLtBDYBlI	3.9	2.0	1.0	1.0
LG06-2284	WLtBDYBlI	3.8	2.0	1.0	1.0
LG07-2309	PGBDYIbI	3.0	2.0	1.0	1.0
SS05-5096	PGBDYYI	3.4	1.0	1.0	1.0

UNIFORM TEST III, 2011

REGIONAL SUMMARY

	Yield	Rank	Maturity	Lodging	Plant Height	Seed Quality	Seed Size	Composition	
								Protein	Oil
No. of Tests	18	18	14	15	15	14	16	*	*
Strain	bu/a	No.	Date	Score	In.	Score	g/100	%	%
IA3023 (III)	65.2	10	9/27	1.4	33	1.5	15.2		
IA3024	66.0	6	-1.6	1.4	34	1.5	15.5		
IA3048 (SCN)	67.2	2	1.4	1.6	34	1.7	14.2		
IA4005	69.5	1	6.1	1.3	32	1.7	14.0		
K07-1544	66.3	5	3.5	1.5	32	1.7	14.1		
LD07-4477	66.9	3	2.4	1.5	34	1.7	15.0		
LD07-4530	66.0	6	1.9	1.5	36	1.7	15.1		
LD07-3419	66.8	4	5.6	1.4	32	1.6	14.3		
CL04-10534	62.7	14	1.9	1.5	35	1.5	15.6		
CL04-13234	65.6	9	0.8	1.4	33	1.5	14.9		
CL05-3314	65.8	8	3.7	1.5	35	1.7	15.5		
CL05-46116	62.0	15	4.7	1.2	33	1.9	15.3		
CL05-202522	63.7	12	4.5	1.5	37	1.4	15.2		
LG06-2284	64.1	11	3.0	1.5	36	1.7	15.6		
LG07-2309	63.6	13	5.4	1.9	39	1.5	14.6		
SS05-5096	59.8	16	2.3	1.9	36	2.6	19.8		

126.4 Days After Planting

UNIFORM TEST III, 2011

2010-2011 2-YEAR MEAN

	Yield	Rank	Maturity	Lodging	Plant Height	Seed Quality	Seed Size	Composition	
								Protein	Oil
No. of Tests	36	36	31	32	31	28	34	*	*
Strain	bu/a	No.	Date	Score	In.	Score	g/100	%	%
IA3023 (III)	62.4	2	9/24	1.4	33	1.5	14.4		
IA3024	60.6	5	-2.2	1.4	34	1.6	14.8		
IA3048 (SCN)	62.3	3	1.2	1.6	34	1.7	13.4		
IA4005	65.4	1	6.2	1.3	32	1.7	13.4		
K07-1544	62.0	4	2.8	1.4	33	1.7	13.4		

124.2 Days After Planting

* **Note:** Protein & Oil Analysis by USDA Peoria, IL lab was not completed at date of printing.

UNIFORM TEST III, 2011

YIELD (bu/a)

Strain	Mean 18 Tests	Carlisle IA	Greenfield IA	Crawfordsville IA	Arthur IL	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
IA3023 (III)	65.2	70.7	71.1	58.2	69.2	46.9	48.8	61.3	66.0	26.4
IA3024	66.0	67.6	65.2	59.7	61.4	46.4	50.6	62.1	74.4	21.0
IA3048 (SCN)	67.2	70.6	66.0	57.0	68.3	54.4	51.1	70.6	70.9	28.5
IA4005	69.5	73.5	70.5	60.9	71.7	46.8	49.8	69.2	64.2	28.9
K07-1544	66.3	67.3	66.0	61.3	58.3	45.2	47.0	65.9	76.3	24.8
LD07-4477	66.9	68.9	67.6	55.1	64.9	56.2	51.5	69.5	77.0	24.3
LD07-4530	66.0	62.1	60.5	61.0	70.9	50.5	49.9	71.2	73.5	19.4
LD07-3419	66.8	66.9	57.8	56.9	70.3	45.7	54.1	66.5	73.8	25.2
CL04-10534	62.7	69.9	65.4	60.0	57.9	43.9	42.7	67.7	63.7	20.2
CL04-13234	65.6	70.9	65.5	58.7	61.1	43.7	53.1	69.4	67.4	23.9
CL05-3314	65.8	65.6	65.3	57.0	61.5	48.2	55.4	68.3	67.0	21.9
CL05-46116	62.0	60.6	56.5	54.6	63.2	52.3	49.6	66.0	61.0	23.1
CL05-202522	63.7	62.9	61.8	52.2	65.7	51.0	41.2	68.5	58.1	21.5
LG06-2284	64.1	61.4	62.9	57.7	77.7	53.3	42.9	63.7	57.7	25.6
LG07-2309	63.6	63.4	59.7	55.6	77.2	47.8	48.4	59.1	58.1	25.6
SS05-5096	59.8	54.2	53.2	52.0	70.2	47.8	42.0	65.6	61.6	26.0
Location Mean		66.0	63.4	57.4	66.8	48.8	48.6	66.5	66.9	24.1
C.V. (%)		6.5	5.3	7.5	6.5	8.1	10.3	6.3	8.2	6.9
L.S.D. (5%)		9.1	7.1	9.2	7.7	6.9	8.4	7.0	9.2	2.8
Row Sp. (in.)		27	27	30	30	30	30	30	30	30
Rows/Plot		4	4	4	4	4	4	4	4	4
Reps		2	2	2	2	2	3	3	3	3

*Data not included in mean.

UNIFORM TEST III, 2011

YIELD (bu/a)

Strain	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	Wooster OH	South Charleston OH
IA3023 (III)	43.0	56.9	41.1	87.9	67.8	73.2	92.3	86.6	67.0
IA3024	50.3	59.0	36.0	86.8	75.8	79.6	90.4	84.0	72.5
IA3048 (SCN)	54.0	58.4	33.3	83.6	70.6	82.9	89.7	94.5	66.3
IA4005	43.5	73.0	38.9	84.3	77.7	84.1	104.7	93.2	74.7
K07-1544	38.2	75.1	46.6	87.9	72.5	79.8	85.9	83.5	70.8
LD07-4477	45.8	58.3	39.6	78.4	78.3	75.1	89.2	90.8	71.7
LD07-4530	44.7	66.2	39.0	82.4	70.5	73.6	88.1	85.1	72.9
LD07-3419	53.0	77.1	40.6	82.6	70.2	62.1	94.5	93.9	69.7
CL04-10534	44.5	60.8	45.2	79.4	66.9	63.3	82.7	82.6	68.7
CL04-13234	56.9	59.7	36.6	76.1	74.4	82.4	85.7	85.6	68.6
CL05-3314	49.8	70.6	42.7	79.3	68.3	75.8	88.2	86.1	68.8
CL05-46116	44.1	62.4	40.3	69.2	63.6	73.0	76.4	85.4	76.2
CL05-202522	48.4	63.6	46.6	74.0	61.9	77.5	89.1	86.6	73.1
LG06-2284	45.9	59.2	51.6	74.3	70.7	64.9	90.3	85.8	69.9
LG07-2309	45.7	58.8	43.1	73.9	72.4	79.8	81.7	97.7	58.7
SS05-5096	46.9	56.1	33.0	69.9	59.8	67.9	84.6	86.8	64.9
Location Mean	47.2	63.5	40.9	79.4	70.1	74.7	88.3	88.0	69.6
C.V. (%)	9.9	12.8	13.2	6.1	5.2	10.9	4.8	6.3	6.8
L.S.D. (5%)	6.6	16.3	10.8	10.4	7.7	19.5	7.0	9.2	7.4
Row Sp. (in.)	30	30	30	30	30	30	7.5	7.5	15
Rows/Plot	4	4	4	4	4	4	8	8	6
Reps	3	3	3	2	2	2	3	3	3

*Data not included in mean.

UNIFORM TEST III, 2011

YIELD RANK

Strain	Yield Rank	Carlisle IA	Greenfield IA	Crawfordsville IA	Arthur IL	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
IA3023 (III)	10	3	1	7	7	10	10	15	9	3
IA3024	6	7	9	5	13	12	6	14	3	14
IA3048 (SCN)	2	4	4	10	8	2	5	2	6	2
IA4005	1	1	2	3	3	11	8	5	10	1
K07-1544	5	8	4	1	15	14	12	11	2	8
LD07-4477	3	6	3	13	10	1	4	3	1	9
LD07-4530	6	13	12	2	4	6	7	1	5	16
LD07-3419	4	9	14	11	5	13	2	9	4	7
CL04-10534	14	5	7	4	16	15	14	8	11	15
CL04-13234	9	2	6	6	14	16	3	4	7	10
CL05-3314	8	10	8	9	12	7	1	7	8	12
CL05-46116	15	15	15	14	11	4	9	10	13	11
CL05-202522	12	12	11	15	9	5	16	6	14	13
LG06-2284	11	14	10	8	1	3	13	13	16	5
LG07-2309	13	11	13	12	2	8	11	16	14	5
SS05-5096	16	16	16	16	6	8	15	12	12	4

UNIFORM TEST III, 2011

MATURITY (date)

Strain	Mean 14 Tests	Carlisle IA	Greenfield IA	Crawfordsville IA	Arthur IL	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
IA3023 (III)	9/27	10/4		9/23	9/14	9/18	10/3	10/10	9/27	
IA3024	-1.6	-4		0	-1	-2	-2	-2	-1	
IA3048 (SCN)	1.4	-1		4	7	4	1	2	2	
IA4005	6.1	4		8	10	7	5	7	6	
K07-1544	3.5	2		6	2	5	3	5	4	
LD07-4477	2.4	-1		4	4	5	3	3	2	
LD07-4530	1.9	-1		-1	3	2	5	2	6	
LD07-3419	5.6	2		7	9	6	4	7	4	
CL04-10534	1.9	-1		5	6	3	1	3	1	
CL04-13234	0.8	-2		3	2	1	1	2	-3	
CL05-3314	3.7	0		6	6	4	2	4	5	
CL05-46116	4.7	1		6	9	12	3	6	4	
CL05-202522	4.5	3		6	7	6	2	4	5	
LG06-2284	3.0	-1		5	8	5	2	3	1	
LG07-2309	5.4	4		7	12	8	4	5	3	
SS05-5096	2.3	0		3	2	1	1	5	4	
Date Planted	5/23	5/24	5/27	5/12	5/12	5/13	5/17	6/7	5/23	6/7
Days to Mature	126	133		134	125	128	139	125	127	

UNIFORM TEST III, 2011

YIELD RANK

Strain	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	Wooster OH	South Charleston OH
IA3023 (III)	15	15	7	1	12	11	3	7	13
IA3024	4	11	14	3	3	6	4	14	5
IA3048 (SCN)	2	13	15	5	8	2	6	2	14
IA4005	14	3	12	4	2	1	1	4	2
K07-1544	16	2	2	1	5	4	11	15	7
LD07-4477	9	14	10	10	1	9	7	5	6
LD07-4530	11	5	11	7	9	10	10	13	4
LD07-3419	3	1	8	6	10	16	2	3	9
CL04-10534	12	8	4	8	13	15	14	16	11
CL04-13234	1	9	13	11	4	3	12	11	12
CL05-3314	5	4	6	9	11	8	9	9	10
CL05-46116	13	7	9	16	14	12	16	12	1
CL05-202522	6	6	2	13	15	7	8	7	3
LG06-2284	8	10	1	12	7	14	5	10	8
LG07-2309	10	12	5	14	6	4	15	1	16
SS05-5096	7	16	16	15	16	13	13	6	15

UNIFORM TEST III, 2011

MATURITY (date)

Strain	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	Wooster OH	South Charleston OH
IA3023 (III)	9/28	10/1	9/4			10/1	10/11	9/23	10/3
IA3024	0	-1	1			-1	-3	-4	-3
IA3048 (SCN)	5	1	1			2	-3	-3	-2
IA4005	6	6	2			5	5	7	8
K07-1544	-1	4	0			3	1	7	8
LD07-4477	2	0	0			3	-2	3	7
LD07-4530	-1	2	-1			1	0	4	5
LD07-3419	6	5	5			4	2	10	8
CL04-10534	4	1	0			1	-2	1	4
CL04-13234	4	2	0			1	-1	-1	2
CL05-3314	5	7	4			2	1	0	6
CL05-46116	5	4	3			1	0	5	8
CL05-202522	6	5	3			0	3	6	8
LG06-2284	4	1	0			0	3	5	6
LG07-2309	6	4	5			3	-1	8	8
SS05-5096	6	3	-1			2	1	3	2
Date Planted	5/26	6/1	5/9	6/4	5/25	5/17	6/6	5/11	5/31
Days to Mature	125	122	118			137	127	135	125

UNIFORM TEST III, 2011

LODGING (score)

Strain	Mean 15 Tests	Carlisle IA	Greenfield IA	Crawfordsville IA	Arthur IL	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
IA3023 (III)	1.4	2.3	2.5	1.5	1.5	1.0	1.0	1.0	1.7	1.0
IA3024	1.4	2.0	2.0	1.8	1.3	1.0	1.0	1.0	2.0	1.0
IA3048 (SCN)	1.6	2.8	2.8	1.8	1.5	1.3	1.0	1.0	2.3	1.0
IA4005	1.3	1.5	1.8	2.0	1.5	1.0	1.0	1.0	1.3	1.0
K07-1544	1.5	1.8	2.0	1.5	1.5	1.0	1.0	1.0	2.0	1.0
LD07-4477	1.5	1.8	2.0	1.8	1.5	1.0	1.0	1.0	1.7	1.0
LD07-4530	1.5	2.0	2.8	1.5	2.3	1.0	1.0	1.0	2.0	1.0
LD07-3419	1.4	1.8	2.0	1.5	1.5	1.0	1.0	1.0	1.3	1.0
CL04-10534	1.5	2.0	2.3	2.0	1.5	1.0	1.0	1.0	1.7	1.0
CL04-13234	1.4	2.0	1.8	1.8	1.5	1.0	1.0	1.0	1.7	1.0
CL05-3314	1.5	2.0	2.3	1.8	1.5	1.3	1.0	1.0	1.3	1.0
CL05-46116	1.2	1.5	1.3	1.5	1.5	1.0	1.0	1.0	1.0	1.0
CL05-202522	1.5	1.8	1.8	1.5	1.5	1.0	1.0	1.0	1.0	1.0
LG06-2284	1.5	2.0	2.8	1.8	1.5	1.0	1.0	1.0	1.7	1.0
LG07-2309	1.9	3.0	2.5	2.5	2.3	1.5	1.3	1.0	2.0	1.0
SS05-5096	1.9	2.8	3.0	2.0	1.8	1.5	1.2	1.8	2.0	1.7

UNIFORM TEST III, 2011

PLANT HEIGHT (inches)

Strain	Mean 15 Tests	Carlisle IA	Greenfield IA	Crawfordsville IA	Arthur IL	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
IA3023 (III)	33	38	36	37	37	33	31	35	41	22
IA3024	34	38	37	38	36	31	32	35	44	29
IA3048 (SCN)	34	38	39	39	36	34	34	36	38	27
IA4005	32	36	34	36	34	31	33	35	40	25
K07-1544	32	35	35	37	32	30	32	33	41	22
LD07-4477	34	36	36	38	39	34	35	35	42	26
LD07-4530	36	38	39	40	38	35	36	39	45	22
LD07-3419	32	36	34	35	34	30	32	34	40	23
CL04-10534	35	39	38	39	40	34	35	37	42	24
CL04-13234	33	35	36	36	37	33	33	36	42	24
CL05-3314	35	37	36	39	37	35	34	37	42	26
CL05-46116	33	39	34	38	35	33	33	36	40	24
CL05-202522	37	41	38	40	39	36	37	37	43	28
LG06-2284	36	39	39	39	40	36	37	37	41	25
LG07-2309	39	44	39	44	44	38	39	38	44	26
SS05-5096	36	41	40	39	37	35	32	41	41	30

UNIFORM TEST III, 2011

LODGING (score)

Strain	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	Wooster OH	South Charleston OH
IA3023 (III)	1.0	1.0	1.0				2.0	1.0	1.2
IA3024	1.0	2.0	1.0				2.0	1.0	1.5
IA3048 (SCN)	1.0	2.0	1.0				2.3	1.0	1.7
IA4005	1.0	2.0	1.0				2.0	1.0	1.2
K07-1544	1.0	2.0	2.0				2.0	1.0	1.2
LD07-4477	1.0	2.0	2.0				2.0	1.0	1.8
LD07-4530	1.0	2.0	1.0				2.0	1.0	1.3
LD07-3419	1.0	2.0	2.0				2.0	1.0	1.0
CL04-10534	1.0	2.0	2.0				2.0	1.0	1.3
CL04-13234	1.0	2.0	1.0				2.0	1.0	1.3
CL05-3314	1.0	2.0	2.0				2.0	1.0	1.3
CL05-46116	1.0	1.0	1.0				2.0	1.0	1.0
CL05-202522	1.0	1.0	3.0				2.0	1.5	2.3
LG06-2284	1.0	1.0	1.0				2.7	1.0	2.0
LG07-2309	1.0	2.0	2.0				2.3	2.0	1.7
SS05-5096	2.0	2.0	1.0				3.0	1.0	1.8

UNIFORM TEST III, 2011

PLANT HEIGHT (inches)

Strain	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	Wooster OH	South Charleston OH
IA3023 (III)	36	28	26				37	29	36
IA3024	31	34	25				37	31	37
IA3048 (SCN)	29	34	20				37	33	35
IA4005	27	35	27				35	27	32
K07-1544	25	33	30				33	29	34
LD07-4477	27	36	27				35	33	38
LD07-4530	29	38	26				37	33	40
LD07-3419	29	35	26				31	31	34
CL04-10534	27	32	28				37	33	38
CL04-13234	29	32	27				36	29	36
CL05-3314	29	37	32				37	31	37
CL05-46116	28	28	29				36	31	37
CL05-202522	30	39	32				39	35	42
LG06-2284	30	32	24				40	33	40
LG07-2309	32	40	33				39	37	41
SS05-5096	33	31	25				43	33	41

UNIFORM TEST III, 2011

SEED QUALITY (score)

Strain	Mean 14 Tests	Carlisle IA	Greenfield IA	Crawfordsville IA	Arthur IL	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
IA3023 (III)	1.5			2.0	1.0	1.0	2.0	1.0	2.0	1.0
IA3024	1.5			2.0	1.0	1.0	2.5	1.0	2.0	1.0
IA3048 (SCN)	1.7			3.0	1.0	1.0	2.0	1.5	3.0	1.0
IA4005	1.7			2.0	1.0	1.0	2.0	1.0	1.0	1.0
K07-1544	1.7			2.0	2.0	1.0	2.0	1.0	2.0	1.0
LD07-4477	1.7			2.0	1.0	1.0	1.5	1.0	3.0	1.0
LD07-4530	1.7			2.0	2.0	1.0	2.0	1.5	2.0	1.0
LD07-3419	1.6			2.0	1.0	1.0	2.0	1.0	2.0	2.0
CL04-10534	1.5			2.0	1.0	1.0	2.0	1.5	2.0	1.0
CL04-13234	1.5			2.0	1.0	1.0	2.0	1.0	1.0	1.0
CL05-3314	1.7			3.0	1.0	1.0	1.5	1.0	3.0	2.0
CL05-46116	1.9			2.0	1.0	3.0	1.5	1.0	3.0	2.0
CL05-202522	1.4			2.0	1.0	1.0	1.5	1.0	2.0	1.0
LG06-2284	1.7			3.0	2.0	1.0	1.5	1.0	3.0	1.0
LG07-2309	1.5			2.0	1.0	1.0	2.0	1.0	2.0	1.0
SS05-5096	2.6			3.0	3.0	3.0	2.5	1.5	4.0	3.0

UNIFORM TEST III, 2011

SEED SIZE (g/100)

Strain	Mean 16 Tests	Carlisle IA	Greenfield IA	Crawfordsville IA	Arthur IL	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
IA3023 (III)	15.2	16.0	16.3	14.2	12.8	12.5	14.6	14.0	14.5	13.9
IA3024	15.5	16.5	16.5	14.0	13.2	13.0	14.9	15.3	16.0	14.2
IA3048 (SCN)	14.2	14.9	14.2	12.3	12.1	12.5	14.6	14.7	12.9	13.6
IA4005	14.0	15.1	14.7	12.6	11.2	10.7	13.5	14.2	13.6	13.4
K07-1544	14.1	15.4	14.2	12.9	10.6	10.5	14.0	14.7	15.0	12.5
LD07-4477	15.0	17.0	16.0	14.2	12.1	13.1	15.5	15.5	13.6	13.7
LD07-4530	15.1	15.9	15.8	14.4	12.5	11.9	15.3	15.7	14.9	12.5
LD07-3419	14.3	14.7	13.4	12.6	11.7	12.0	14.4	14.2	14.7	13.5
CL04-10534	15.6	16.5	16.1	15.0	12.4	12.5	15.7	16.1	15.3	13.7
CL04-13234	14.9	16.4	15.3	14.1	11.7	11.7	14.7	16.2	13.9	13.8
CL05-3314	15.5	16.2	15.2	13.8	12.6	12.6	15.4	15.3	15.5	14.0
CL05-46116	15.3	16.6	14.8	13.6	11.8	14.2	15.4	17.0	14.5	12.6
CL05-202522	15.2	16.0	15.3	13.9	12.3	12.7	15.4	15.2	15.2	14.8
LG06-2284	15.6	16.8	16.1	14.5	12.7	13.3	15.3	15.8	13.7	13.4
LG07-2309	14.6	15.5	15.1	12.8	12.8	11.5	14.4	14.7	13.8	12.1
SS05-5096	19.8	20.9	20.7	18.1	18.6	17.2	21.0	19.4	20.7	15.8

UNIFORM TEST III, 2011

SEED QUALITY (score)

Strain	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	Wooster OH	South Charleston OH
IA3023 (III)		2.0	3.0	1.0		1.0	1.0	1.0	1.4
IA3024		3.0	2.0	1.0		1.0	1.0	1.0	1.5
IA3048 (SCN)		4.0	2.0	1.0		1.0	1.0	1.0	1.8
IA4005		5.0	4.0	1.0		1.0	1.0	1.0	1.4
K07-1544		4.0	3.0	1.0		1.0	1.0	1.0	1.3
LD07-4477		4.0	4.0	1.0		1.0	1.0	1.0	1.2
LD07-4530		4.0	2.0	1.0		1.0	1.0	1.0	2.0
LD07-3419		3.0	2.0	1.0		1.0	1.0	1.0	2.0
CL04-10534		2.0	3.0	1.0		1.0	1.0	1.0	1.8
CL04-13234		4.0	2.0	1.0		1.0	1.0	1.0	1.5
CL05-3314		4.0	2.0	1.0		1.0	1.0	1.0	1.4
CL05-46116		3.0	3.0	1.0		2.0	1.0	1.0	1.6
CL05-202522		4.0	1.0	1.0		1.0	1.0	1.0	1.2
LG06-2284		3.0	2.0	1.0		1.0	1.0	1.0	2.1
LG07-2309		4.0	2.0	1.0		1.0	1.0	1.0	1.7
SS05-5096		5.0	2.0	2.0		2.0	1.0	1.0	2.7

UNIFORM TEST III, 2011

SEED SIZE (g/100)

Strain	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	Wooster OH	South Charleston OH
IA3023 (III)		14.8	16.8	15.9		15.9	18.2	17.9	15.6
IA3024		13.3	17.7	17.3		17.3	16.0	15.7	16.2
IA3048 (SCN)		12.2	16.7	14.5		15.5	15.7	15.2	14.7
IA4005		11.9	16.1	15.6		15.1	16.2	15.2	15.3
K07-1544		11.3	16.3	15.5		15.5	15.9	15.5	16.1
LD07-4477		12.3	16.0	15.9		16.7	16.1	15.3	17.2
LD07-4530		13.1	15.8	16.3		16.5	17.1	17.3	16.9
LD07-3419		13.9	16.0	15.1		15.5	16.3	15.8	15.5
CL04-10534		13.4	17.4	16.3		16.7	17.9	17.9	17.0
CL04-13234		14.1	16.7	15.4		15.6	16.3	16.5	16.5
CL05-3314		15.2	19.2	16.0		16.7	18.0	17.5	15.5
CL05-46116		14.9	16.6	15.7		16.3	16.7	16.4	17.6
CL05-202522		14.0	17.7	16.3		16.3	16.3	15.4	16.5
LG06-2284		14.1	17.3	17.1		16.9	18.0	17.2	17.4
LG07-2309		15.6	15.7	16.5		15.9	16.3	15.9	14.9
SS05-5096		16.5	23.6	22.1		21.5	19.7	20.5	20.2

Preliminary Test IIIA, 2011

Ent.	Strain	Parentage	Seed Source	Gen. Comp.	Unique Traits
1	IA3023 (III)	Dairyland DSR-365 x Pioneer P9381	Fehr	F5	
2.	IA3024	A97-553017 x Pioneer YB33A99	Fehr		1% linolenic
3.	IA3048 (SCN)	Dairyland 99540 x IA2068	Fehr	F4	SCN
4.	IA4005	IA3023 x IA3025	Fehr	F4	
5.	AR09-292078	AR04-874018 x LD02-4485	Cianzio	F3	BSR
6.	AR10-306014	AR05-150109 x Syngenta 03JR321086	Cianzio	F3	BSR
7.	AR10-306016	AR05-150109 x Syngenta 03RM893902	Cianzio	F3	BSR
8.	AR10-306021	AR04-874013 x Syngenta 03JR321086	Cianzio	F3	BSR
9.	AR10-306022	AR04-874013 x Syngenta 03JR321086	Cianzio	F3	BSR
10.	AR10-306029	Golden Harvest H-2285 x AR03-361065	Cianzio	F3	SDS
11.	LD08-2355	LD02-5320 x Dairyland 99805	Diers	F5	SCN
12.	LD08-5579	Dairyland 99540 x LD03-8073	Diers	F5	SCN
13.	LD08-6068a	IA3025 x [LD00-3309(3) x (LD00-4970(2) x (Dowling x Dwight))]	Diers	F5	Rag1, SCN
14.	LD08-8622	M30121 x IA3024	Diers	F5	SCN
15.	HS6-3973R	HS98-78262 x PI 399073	McHale	F4	
16.	HS8-3362	Dennison2 x HFPR4	McHale	F4	
17.	HS8-3657	HS1-3661 x LG00-3372	McHale	F4	
18.	HS8-3664	HS1-3661 x LG00-3372	McHale	F4	
19.	HS8-3672	HS1-3661 x LG00-3372	McHale	F4	
20.	HS8W-3	HS0-3243 x LG00-3372	McHale	F4	
21.	HM09-B019	IA 1017 x Dennison	McHale	F4	
22.	HM09-W053	HS0-3243 x Dennison	McHale	F4	
23.	SS08-2250	SS02-8173 x PATRIOT	Clark	F5	
24.	SS08-2558	SS02-8173 x MAGELLAN	Clark	F5	
25.	SS08-2570	SS02-8173 x PATRIOT	Clark	F5	
26.	SS08-2582	SS02-8173 x PATRIOT	Clark	F5	
27.	SS08-2588	SS02-8173 x PATRIOT	Clark	F5	
28.	SS08-3250	PATRIOT X ST02-13025	Clark	F5	

PRELIMINARY TEST IIIA, 2011

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Shattering Score Ashland KS	Shattering Score Urbana IL	Green Stem Score S. Charleston OH
IA3023 (III)	WLtBDYBlI	1.0	0.0	1.0
IA3024	PGTDYIbI	2.0	0.0	1.0
IA3048 (SCN)	WGBIYYI	1.0	0.0	1.0
IA4005	WLtBDYBlI	1.0	0.0	1.0
AR09-292078	P+WTTDYBlI	2.0	0.0	1.0
AR10-306014	WLtBDYBlI	3.0	3.0	1.0
AR10-306016	PLtBDYBlI	3.0	0.0	1.0
AR10-306021	WT+LtBDYBl+BrI	1.0	0.0	1.0
AR10-306022	P+WTBDYBrI	2.0	0.0	1.0
AR10-306029	PGBDYBf+IbI	1.0	0.0	1.0
LD08-2355	WGBDYBlI	2.0	0.0	1.0
LD08-5579	WGBDYBlI	1.0	0.0	1.0
LD08-6068a	PGBDYYI	1.0	0.0	1.0
LD08-8622	PGTDYIbI	1.0	0.0	1.0
HS6-3973R	WLtBDYBlI	1.0	0.0	1.0
HS8-3362	WLtBDYBlI	1.0	0.0	1.0
HS8-3657	WLtBIYBl+BrI	1.0	0.0	1.0
HS8-3664	WLtBIYLbrI	2.0	0.0	1.5
HS8-3672	WLtBSYLbrI	2.0	0.0	1.0
HS8W-3	WLtBDYBlI	1.0	0.0	1.0
HM09-B019	WLtBDYBlI	1.0	0.0	1.0
HM09-W053	WLtBDYBlI	1.0	0.0	1.0
SS08-2250	WGBSYYI	1.0	0.0	1.5
SS08-2558	WGBSYLbfI	2.0	0.0	1.0
SS08-2570	WGBIYBfI	2.0	0.0	1.0
SS08-2582	WTTIYYI	2.0	0.0	1.0
SS08-2588	WGBIYYI	2.0	0.0	1.0
SS08-3250	WTTIYYI	2.0	0.0	2.0

PRELIMINARY TEST IIIA, 2011

REGIONAL SUMMARY

					Plant	Seed	Seed	Composition	
	Yield	Rank	Maturity	Lodging	Height	Quality	Size	Protein	Oil
No. of Tests	10	10	8	7	7	8	8	*	*
Strain	bu/a	No.	Date	Score	In.	Score	g/100	%	%
IA3023 (III)	66.7	5	9/30	1.4	35	1.5	15.0		
IA3024	66.4	7	-2.5	1.4	35	1.9	15.6		
IA3048 (SCN)	66.6	6	1.4	1.6	36	1.5	14.1		
IA4005	69.4	1	5.0	1.3	34	1.7	14.3		
AR09-292078	63.0	16	-1.4	1.8	37	2.1	16.7		
AR10-306014	59.7	24	-6.6	1.4	35	1.8	15.4		
AR10-306016	65.2	9	-3.0	1.5	37	1.8	16.2		
AR10-306021	67.0	4	-1.5	2.2	37	1.9	15.4		
AR10-306022	64.0	15	-2.8	1.8	35	2.1	15.5		
AR10-306029	62.4	18	-1.8	1.7	39	1.8	15.5		
LD08-2355	69.1	2	-1.8	1.8	34	1.8	15.6		
LD08-5579	65.0	10	-1.6	1.6	39	1.9	13.8		
LD08-6068a	65.4	8	1.1	1.7	38	1.6	14.8		
LD08-8622	67.8	3	1.3	1.8	39	1.7	15.0		
HS6-3973R	58.4	25	1.5	1.4	37	1.6	16.2		
HS8-3362	58.0	26	-1.6	1.6	35	1.2	15.4		
HS8-3657	64.5	12	3.6	1.8	38	1.6	16.1		
HS8-3664	63.0	16	3.4	1.9	39	1.8	15.7		
HS8-3672	64.8	11	1.4	1.7	39	1.5	14.4		
HS8W-3	64.5	12	-0.8	1.6	39	1.7	13.8		
HM09-B019	64.5	12	-0.4	1.8	39	1.8	17.0		
HM09-W053	61.0	21	-2.1	1.5	35	1.5	14.3		
SS08-2250	56.3	28	7.1	1.3	34	1.4	15.4		
SS08-2558	56.4	27	2.4	2.2	47	1.8	13.2		
SS08-2570	60.5	22	2.6	2.6	45	1.5	11.8		
SS08-2582	61.5	20	3.7	1.4	39	1.7	13.7		
SS08-2588	60.1	23	5.5	2.1	44	1.7	13.8		
SS08-3250	61.9	19	4.9	1.9	40	1.4	14.1		

125.2 Days After Planting

* **Note:** Protein & Oil Analysis by USDA Peoria, IL lab was not completed at date of printing.

PRELIMINARY TEST IIIA, 2011

YIELD (bu/a)

Strain	Mean 10 Tests	Crawfordsville IA	Urbana IL	Lafayette IN	Ashland KS	*Manhattan KS
IA3023 (III)	66.7	62.0	38.9	54.9	63.9	
IA3024	66.4	63.4	40.9	52.6	73.6	
IA3048 (SCN)	66.6	60.6	46.7	54.8	68.1	
IA4005	69.4	62.4	48.0	60.3	70.0	
AR09-292078	63.0	56.8	46.0	52.2	64.6	
AR10-306014	59.7	64.4	20.8	56.1	45.8	
AR10-306016	65.2	62.2	37.9	59.6	60.1	
AR10-306021	67.0	58.2	42.6	57.2	71.5	
AR10-306022	64.0	59.4	39.4	53.9	69.7	
AR10-306029	62.4	56.2	42.0	51.0	57.9	
LD08-2355	69.1	64.3	39.8	48.0	73.3	
LD08-5579	65.0	60.1	42.3	43.9	67.7	
LD08-6068a	65.4	57.2	41.2	52.4	67.3	
LD08-8622	67.8	62.7	49.6	52.1	69.7	
HS6-3973R	58.4	53.5	40.9	45.5	54.7	
HS8-3362	58.0	55.4	45.1	42.6	62.8	
HS8-3657	64.5	61.5	43.8	52.0	54.5	
HS8-3664	63.0	60.9	47.2	44.9	62.5	
HS8-3672	64.8	60.7	43.3	56.3	65.1	
HS8W-3	64.5	60.7	41.2	49.3	62.3	
HM09-B019	64.5	53.3	42.5	49.8	70.8	
HM09-W053	61.0	55.8	40.6	45.8	54.2	
SS08-2250	56.3	49.5	33.4	47.4	67.4	
SS08-2558	56.4	48.3	31.0	38.3	68.4	
SS08-2570	60.5	53.8	37.9	44.4	67.2	
SS08-2582	61.5	57.4	36.7	43.8	60.7	
SS08-2588	60.1	50.1	44.4	44.8	62.6	
SS08-3250	61.9	56.2	38.9	49.4	69.4	
Location Mean		58.1	40.8	50.1	64.5	
C.V. (%)		6.0	10.0	9.1	4.9	
L.S.D. (5%)		7.1	7.4	8.9	7.8	
Row Sp. (In.)		30	30	30	30	30
Rows/Plot		4	4	4	4	4
Reps		2	2	2	2	2

*Test data not collected, and submitted for PTIIIA Manhattan.

PRELIMINARY TEST IIIA, 2011

YIELD (bu/a)

Strain	Columbia MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	South Charleston OH
IA3023 (III)	32.5	86.7	84.6	77.4	97.3	68.4
IA3024	36.7	85.0	79.0	92.3	82.7	57.5
IA3048 (SCN)	47.9	79.7	70.5	76.6	88.8	72.6
IA4005	38.5	86.6	73.8	68.2	103.4	83.0
AR09-292078	43.9	78.7	69.9	69.7	89.4	58.6
AR10-306014	24.0	80.0	70.3	82.7	83.8	69.1
AR10-306016	37.1	81.5	78.2	78.8	90.9	65.7
AR10-306021	50.8	80.0	72.7	88.4	83.8	64.9
AR10-306022	35.9	86.1	63.4	80.5	88.8	62.9
AR10-306029	51.2	72.3	72.3	70.1	84.1	66.5
LD08-2355	50.1	82.3	75.2	85.4	96.3	76.8
LD08-5579	52.4	83.9	72.2	75.4	84.2	68.4
LD08-6068a	44.8	87.5	67.7	77.3	90.7	67.7
LD08-8622	48.3	79.9	69.0	80.1	93.3	73.0
HS6-3973R	33.2	73.9	67.8	71.4	80.2	62.7
HS8-3362	35.6	78.3	71.5	44.5	83.1	61.2
HS8-3657	44.2	74.1	72.3	81.0	95.0	67.0
HS8-3664	39.1	65.2	72.5	82.2	84.5	70.7
HS8-3672	42.9	75.0	67.1	75.5	90.9	71.5
HS8W-3	33.0	80.7	80.2	91.7	88.0	57.8
HM09-B019	43.1	75.5	73.9	72.7	89.4	74.4
HM09-W053	35.2	83.1	71.9	86.2	82.9	54.7
SS08-2250	33.5	67.5	56.2	60.3	79.8	68.3
SS08-2558	35.2	73.2	64.7	76.3	80.9	48.1
SS08-2570	40.7	71.6	66.4	77.4	84.2	61.5
SS08-2582	43.1	71.6	68.7	73.7	88.3	71.4
SS08-2588	50.7	71.7	65.8	76.3	78.1	56.6
SS08-3250	41.4	75.0	62.3	73.7	86.4	66.1
Location Mean	40.9	78.1	70.7	76.6	87.5	66.0
C.V. (%)	9.6	6.9	7.8	13.0	4.5	11.2
L.S.D. (5%)	6.7	13.0	13.2	20.0	7.9	14.9
Row Sp. (In.)	30	30	30	30	7.5	15
Rows/Plot	4	4	4	4	8	6
Reps	2	2	2	2	2	2

PRELIMINARY TEST IIIA, 2011

YIELD RANK

Strain	Yield Rank	Crawfordsville IA	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
IA3023 (III)	5	7	21	6	17	
IA3024	7	3	16	9	1	
IA3048 (SCN)	6	12	4	7	10	
IA4005	1	5	2	1	5	
AR09-292078	16	18	5	11	16	
AR10-306014	24	1	28	5	28	
AR10-306016	9	6	24	2	23	
AR10-306021	4	15	10	3	3	
AR10-306022	15	14	20	8	6	
AR10-306029	18	20	13	14	24	
LD08-2355	2	2	19	18	2	
LD08-5579	10	13	12	25	11	
LD08-6068a	8	17	14	10	13	
LD08-8622	3	4	1	12	6	
HS6-3973R	25	24	16	21	25	
HS8-3362	26	22	6	27	18	
HS8-3657	12	8	8	13	26	
HS8-3664	16	9	3	22	20	
HS8-3672	11	10	9	4	15	
HS8W-3	12	11	14	17	21	
HM09-B019	12	25	11	15	4	
HM09-W053	21	21	18	20	27	
SS08-2250	28	27	26	19	12	
SS08-2558	27	28	27	28	9	
SS08-2570	22	23	23	24	14	
SS08-2582	20	16	25	26	22	
SS08-2588	23	26	7	23	19	
SS08-3250	19	19	21	16	8	

PRELIMINARY TEST IIIA, 2011

YIELD RANK

Strain	Columbia MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	South Charleston OH
IA3023 (III)	27	2	1	12	2	10
IA3024	19	5	3	1	24	25
IA3048 (SCN)	7	14	15	15	11	5
IA4005	17	3	7	26	1	1
AR09-292078	10	15	17	25	9	23
AR10-306014	28	11	16	6	20	9
AR10-306016	18	9	4	11	6	17
AR10-306021	3	11	8	3	20	18
AR10-306022	20	4	26	9	11	19
AR10-306029	2	23	10	24	19	15
LD08-2355	5	8	5	5	3	2
LD08-5579	1	6	12	19	17	10
LD08-6068a	8	1	21	14	8	13
LD08-8622	6	13	18	10	5	4
HS6-3973R	25	21	20	23	26	20
HS8-3362	21	16	14	28	22	22
HS8-3657	9	20	10	8	4	14
HS8-3664	16	28	9	7	16	8
HS8-3672	13	18	22	18	6	6
HS8W-3	26	10	2	2	14	24
HM09-B019	11	17	6	22	9	3
HM09-W053	22	7	13	4	23	27
SS08-2250	24	27	28	27	27	12
SS08-2558	22	22	25	16	25	28
SS08-2570	15	25	23	12	17	21
SS08-2582	11	25	19	20	13	7
SS08-2588	4	24	24	16	28	26
SS08-3250	14	18	27	20	15	16

PRELIMINARY TEST IIIA, 2011

MATURITY (date)

Strain	Mean 8 Tests	Crawfordsville IA	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
IA3023 (III)	9/30	9/22	9/16	10/4	10/4	
IA3024	-2.5	2	-2	-3	-1	
IA3048 (SCN)	1.4	8	3	0	0	
IA4005	5.0	8	9	4	3	
AR09-292078	-1.4	1	-7	-3	1	
AR10-306014	-6.6	-5	-14	-5	-8	
AR10-306016	-3.0	1	-9	-4	-3	
AR10-306021	-1.5	2	-5	-3	-3	
AR10-306022	-2.8	-3	-8	-4	0	
AR10-306029	-1.8	-1	1	-2	-9	
LD08-2355	-1.8	1	-4	-3	0	
LD08-5579	-1.6	1	-3	-5	1	
LD08-6068a	1.1	6	2	1	1	
LD08-8622	1.3	4	2	1	0	
HS6-3973R	1.5	7	1	0	1	
HS8-3362	-1.6	2	-3	-3	-1	
HS8-3657	3.6	8	6	2	3	
HS8-3664	3.4	9	6	2	3	
HS8-3672	1.4	5	5	0	1	
HS8W-3	-0.8	2	0	1	0	
HM09-B019	-0.4	2	-2	0	0	
HM09-W053	-2.1	1	-4	-3	1	
SS08-2250	7.1	12	11	4	4	
SS08-2558	2.4	5	-1	1	2	
SS08-2570	2.6	6	4	1	1	
SS08-2582	3.7	6	5	2	1	
SS08-2588	5.5	10	8	3	3	
SS08-3250	4.9	8	8	3	3	
Date Planted	5/27	5/25	5/13	6/7	6/1	
Days to Mature	125	120	126	119	125	

PRELIMINARY TEST IIIA, 2011

MATURITY (date)

Strain	Columbia MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	South Charleston OH
IA3023 (III)	9/27			10/2	10/12	10/4
IA3024	-1			-2	-5	-8
IA3048 (SCN)	7			-1	-4	-1
IA4005	6			2	2	7
AR09-292078	4			-1	-4	-1
AR10-306014	-4			-3	-7	-8
AR10-306016	-4			-2	-3	0
AR10-306021	2			0	-4	-1
AR10-306022	0			-1	-4	-3
AR10-306029	4			-3	-4	-1
LD08-2355	1			-1	-3	-5
LD08-5579	2			-2	-3	-3
LD08-6068a	3			-2	-2	0
LD08-8622	6			1	-4	0
HS6-3973R	6			0	-3	1
HS8-3362	0			-2	-2	-4
HS8-3657	7			0	1	3
HS8-3664	7			1	-1	1
HS8-3672	5			-1	-3	0
HS8W-3	0			-1	-4	-4
HM09-B019	3			-1	-6	1
HM09-W053	1			-2	-5	-5
SS08-2250	11			5	2	8
SS08-2558	2			3	0	8
SS08-2570	3			0	-1	7
SS08-2582	7			2	1	6
SS08-2588	9			4	0	7
SS08-3250	9			1	1	7
Date Planted	5/26	6/4	5/25	5/17	6/6	5/31
Days to Mature	122			138	128	126

PRELIMINARY TEST IIIA, 2011

LODGING (score)

Strain	Mean 7 Tests	Crawfordsville IA	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
IA3023 (III)	1.4	1.5	1.0	1.0	1.0	
IA3024	1.4	1.8	1.0	1.0	2.0	
IA3048 (SCN)	1.6	2.0	1.3	1.0	1.5	
IA4005	1.3	1.8	1.0	1.0	1.0	
AR09-292078	1.8	2.3	1.0	1.0	2.0	
AR10-306014	1.4	2.0	1.0	1.0	1.0	
AR10-306016	1.5	2.0	1.0	1.0	1.0	
AR10-306021	2.2	2.3	1.3	2.0	2.0	
AR10-306022	1.8	2.0	1.0	1.0	2.0	
AR10-306029	1.7	2.0	1.3	1.0	1.5	
LD08-2355	1.8	2.0	1.0	1.0	2.0	
LD08-5579	1.6	2.3	1.0	1.3	1.5	
LD08-6068a	1.7	2.0	1.0	1.0	2.0	
LD08-8622	1.8	2.3	1.5	1.3	2.0	
HS6-3973R	1.4	2.0	1.3	1.0	1.0	
HS8-3362	1.6	2.0	1.3	1.0	1.5	
HS8-3657	1.8	2.3	1.5	1.0	1.0	
HS8-3664	1.9	2.5	1.5	1.0	1.5	
HS8-3672	1.7	2.3	1.3	1.0	2.0	
HS8W-3	1.6	2.0	1.3	1.0	1.5	
HM09-B019	1.8	2.3	1.3	1.0	2.0	
HM09-W053	1.5	2.0	1.0	1.0	1.0	
SS08-2250	1.3	1.8	1.0	1.0	1.0	
SS08-2558	2.2	2.0	1.0	1.5	3.0	
SS08-2570	2.6	1.8	1.5	1.5	3.0	
SS08-2582	1.4	1.5	1.0	1.0	1.0	
SS08-2588	2.1	2.3	1.3	1.5	2.5	
SS08-3250	1.9	2.0	1.5	1.0	2.0	

PRELIMINARY TEST IIIA, 2011

LODGING (score)

Strain	Columbia MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	South Charleston OH
IA3023 (III)	1.0				2.5	1.8
IA3024	1.0				2.0	1.2
IA3048 (SCN)	1.0				2.5	1.8
IA4005	1.0				2.0	1.1
AR09-292078	1.0				3.0	2.4
AR10-306014	1.0				2.5	1.1
AR10-306016	1.0				2.5	1.7
AR10-306021	2.0				3.0	2.6
AR10-306022	2.0				3.0	1.9
AR10-306029	1.0				3.0	1.9
LD08-2355	2.0				2.5	2.4
LD08-5579	1.0				3.0	1.5
LD08-6068a	1.0				3.0	1.8
LD08-8622	1.0				2.5	1.8
HS6-3973R	1.0				2.5	1.3
HS8-3362	1.0				2.5	1.9
HS8-3657	2.0				3.0	1.7
HS8-3664	2.0				3.0	1.8
HS8-3672	1.0				2.5	1.8
HS8W-3	1.0				3.0	1.7
HM09-B019	1.0				3.0	1.9
HM09-W053	1.0				3.0	1.2
SS08-2250	1.0				2.5	0.8
SS08-2558	2.0				3.0	3.0
SS08-2570	4.0				3.0	3.8
SS08-2582	1.0				2.5	2.0
SS08-2588	2.0				2.5	2.5
SS08-3250	1.0				3.0	2.9

PRELIMINARY TEST IIIA, 2011

PLANT HEIGHT (inches)

Strain	Mean 7 Tests	Crawfordsville IA	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
IA3023 (III)	35	37	30	34	42	
IA3024	35	39	32	32	44	
IA3048 (SCN)	36	39	34	34	40	
IA4005	34	35	30	32	42	
AR09-292078	37	41	33	34	45	
AR10-306014	35	40	30	33	40	
AR10-306016	37	43	34	34	45	
AR10-306021	37	38	31	35	43	
AR10-306022	35	37	31	33	43	
AR10-306029	39	42	39	42	38	
LD08-2355	34	36	32	32	39	
LD08-5579	39	42	35	36	44	
LD08-6068a	38	41	34	36	44	
LD08-8622	39	42	37	36	46	
HS6-3973R	37	41	35	37	43	
HS8-3362	35	39	34	33	39	
HS8-3657	38	40	34	37	40	
HS8-3664	39	40	36	39	45	
HS8-3672	39	43	38	35	43	
HS8W-3	39	44	35	38	44	
HM09-B019	39	43	36	38	43	
HM09-W053	35	39	35	36	38	
SS08-2250	34	37	30	32	39	
SS08-2558	47	51	40	46	53	
SS08-2570	45	48	42	44	51	
SS08-2582	39	42	37	39	44	
SS08-2588	44	47	45	40	48	
SS08-3250	40	44	37	36	44	

PRELIMINARY TEST IIIA, 2011

PLANT HEIGHT (inches)

Strain	Columbia MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	South Charleston OH
IA3023 (III)	27				37	36
IA3024	27				37	37
IA3048 (SCN)	31				39	35
IA4005	27				37	36
AR09-292078	25				39	42
AR10-306014	29				37	39
AR10-306016	26				39	41
AR10-306021	32				40	40
AR10-306022	26				37	40
AR10-306029	32				40	40
LD08-2355	28				37	36
LD08-5579	34				41	43
LD08-6068a	32				41	41
LD08-8622	35				41	39
HS6-3973R	28				39	39
HS8-3362	24				38	36
HS8-3657	30				44	42
HS8-3664	32				41	41
HS8-3672	28				43	41
HS8W-3	31				42	43
HM09-B019	33				42	39
HM09-W053	29				38	34
SS08-2250	29				39	35
SS08-2558	40				50	47
SS08-2570	38				49	46
SS08-2582	33				43	39
SS08-2588	40				45	47
SS08-3250	36				44	43

PRELIMINARY TEST IIIA, 2011

SEED QUALITY (score)

Strain	Mean 8 Tests	Crawfordsville IA	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
IA3023 (III)	1.5	2.0	1.0	3.0	1.1	
IA3024	1.9	2.0	1.0	3.0	3.0	
IA3048 (SCN)	1.5	2.0	1.0	2.0	2.0	
IA4005	1.7	3.0	2.0	1.5	2.0	
AR09-292078	2.1	3.0	2.0	4.0	3.0	
AR10-306014	1.8	2.0	2.0	3.0	3.0	
AR10-306016	1.8	1.0	3.0	3.0	2.0	
AR10-306021	1.9	2.0	2.0	3.5	2.0	
AR10-306022	2.1	3.0	2.0	4.0	3.0	
AR10-306029	1.8	2.0	2.0	3.0	2.0	
LD08-2355	1.8	2.0	2.0	3.0	2.0	
LD08-5579	1.9	3.0	2.0	3.5	2.0	
LD08-6068a	1.6	2.0	1.0	2.5	2.0	
LD08-8622	1.7	3.0	1.0	2.5	2.0	
HS6-3973R	1.6	2.0	1.0	1.5	3.0	
HS8-3362	1.2	2.0	1.0	1.5	1.0	
HS8-3657	1.6	2.0	1.0	2.0	2.0	
HS8-3664	1.8	3.0	1.0	3.0	2.0	
HS8-3672	1.5	2.0	1.0	2.0	2.0	
HS8W-3	1.7	3.0	1.0	2.5	2.0	
HM09-B019	1.8	2.0	2.0	3.0	2.0	
HM09-W053	1.5	3.0	1.0	2.0	1.0	
SS08-2250	1.4	3.0	1.0	1.0	2.0	
SS08-2558	1.8	2.0	2.0	2.0	3.0	
SS08-2570	1.5	2.0	1.0	2.0	2.0	
SS08-2582	1.7	2.0	1.0	3.0	3.0	
SS08-2588	1.7	3.0	1.0	2.5	1.0	
SS08-3250	1.4	2.0	1.0	1.5	2.0	

PRELIMINARY TEST IIIA, 2011

SEED QUALITY (score)

Strain	Columbia MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	South Charleston OH
IA3023 (III)		1.0		1.0	1.0	1.5
IA3024		1.0		1.0	2.0	2.0
IA3048 (SCN)		1.0		1.0	1.0	2.0
IA4005		1.0		1.0	1.0	2.0
AR09-292078		1.0		1.0	1.0	2.0
AR10-306014		1.0		1.0	1.0	1.0
AR10-306016		1.0		1.0	1.0	2.0
AR10-306021		1.0		1.0	1.0	2.5
AR10-306022		1.0		1.0	1.0	2.0
AR10-306029		1.0		1.0	1.0	2.0
LD08-2355		1.0		1.0	1.0	2.0
LD08-5579		1.0		1.0	1.0	2.0
LD08-6068a		1.0		1.0	1.0	2.0
LD08-8622		1.0		1.0	1.0	2.0
HS6-3973R		1.0		1.0	1.0	2.0
HS8-3362		1.0		1.0	1.0	1.0
HS8-3657		1.0		2.0	1.0	2.0
HS8-3664		1.0		1.0	1.0	2.0
HS8-3672		1.0		1.0	1.0	2.0
HS8W-3		1.0		1.0	1.0	2.0
HM09-B019		1.0		1.0	1.0	2.0
HM09-W053		1.0		1.0	1.0	2.0
SS08-2250		1.0		1.0	1.0	1.5
SS08-2558		1.0		1.0	1.0	2.0
SS08-2570		1.0		1.0	1.0	2.0
SS08-2582		1.0		1.0	1.0	1.5
SS08-2588		1.0		1.0	2.0	2.0
SS08-3250		1.0		1.0	1.0	2.0

PRELIMINARY TEST IIIA, 2011

SEED SIZE (g/100)

Strain	Mean 8 Tests	Crawfordsville IA	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
IA3023 (III)	15.0	14.8	11.4	14.5	14.9	
IA3024	15.6	14.0	12.6	14.9	16.9	
IA3048 (SCN)	14.1	12.2	11.3	15.0	13.9	
IA4005	14.3	13.1	10.7	13.8	15.9	
AR09-292078	16.7	14.4	13.2	16.8	17.9	
AR10-306014	15.4	14.1	12.2	14.8	16.0	
AR10-306016	16.2	14.5	12.0	16.0	16.5	
AR10-306021	15.4	14.5	11.9	14.8	15.6	
AR10-306022	15.5	14.2	12.0	15.5	16.2	
AR10-306029	15.5	14.3	12.5	15.4	15.7	
LD08-2355	15.6	14.2	12.2	14.8	16.4	
LD08-5579	13.8	12.5	10.2	13.6	14.6	
LD08-6068a	14.8	13.5	11.4	13.9	15.6	
LD08-8622	15.0	13.9	11.5	14.5	15.7	
HS6-3973R	16.2	14.6	12.8	15.8	18.0	
HS8-3362	15.4	14.0	12.3	15.3	16.1	
HS8-3657	16.1	14.0	12.3	15.1	16.7	
HS8-3664	15.7	13.8	12.7	15.0	17.3	
HS8-3672	14.4	12.6	10.7	13.5	16.2	
HS8W-3	13.8	12.2	11.2	13.1	15.4	
HM09-B019	17.0	15.4	13.8	17.0	17.1	
HM09-W053	14.3	12.7	11.1	13.5	15.0	
SS08-2250	15.4	13.9	11.1	14.0	16.8	
SS08-2558	13.2	11.5	9.8	13.2	15.4	
SS08-2570	11.8	10.4	8.1	11.0	13.2	
SS08-2582	13.7	12.0	10.6	13.3	15.2	
SS08-2588	13.8	11.5	10.9	12.8	15.0	
SS08-3250	14.1	12.7	10.6	13.4	14.7	

PRELIMINARY TEST IIIA, 2011

SEED SIZE (g/100)

Strain	Columbia MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	South Charleston OH
IA3023 (III)		16.1		16.8	15.9	16.0
IA3024		17.5		17.5	16.1	15.4
IA3048 (SCN)		15.2		14.7	15.6	15.3
IA4005		15.1		13.8	16.1	16.1
AR09-292078		17.7		18.7	17.7	17.3
AR10-306014		15.9		17.5	16.5	16.6
AR10-306016		18.3		17.6	17.9	17.0
AR10-306021		16.9		17.2	16.2	16.4
AR10-306022		17.2		16.1	16.8	16.0
AR10-306029		15.5		16.6	17.8	16.0
LD08-2355		17.0		17.3	16.8	16.0
LD08-5579		15.5		15.5	14.0	14.7
LD08-6068a		15.7		15.8	16.4	15.9
LD08-8622		15.7		16.3	16.4	16.0
HS6-3973R		17.2		17.1	16.4	17.8
HS8-3362		17.1		16.0	16.1	16.3
HS8-3657		16.6		18.3	18.2	17.5
HS8-3664		16.3		17.1	16.4	17.2
HS8-3672		15.9		15.7	15.3	15.3
HS8W-3		15.0		14.9	14.5	13.8
HM09-B019		18.7		18.7	17.7	17.3
HM09-W053		15.8		16.0	15.5	14.9
SS08-2250		16.9		17.2	17.1	16.6
SS08-2558		14.2		14.7	13.5	13.2
SS08-2570		12.6		13.1	13.1	13.0
SS08-2582		14.3		14.9	14.4	14.9
SS08-2588		14.7		15.3	15.0	15.2
SS08-3250		15.7		16.7	13.5	15.6

Preliminary Test IIIB, 2011

Ent.	Strain	Parentage	Seed Source	Gen. Comp.	Unique Traits
1	IA3023 (III)	Dairyland DSR-365 x Pioneer P9381	Fehr	F5	
2.	IA3024	A97-553017 x Pioneer YB33A99	Fehr		1% linolenic
3.	IA3048 (SCN)	Dairyland 99540 x IA2068	Fehr	F4	SCN
4.	IA4005	IA3023 x IA3025	Fehr	F4	
5.	LG09-7250	F6 LG00-3372 x LG02-4042	Nelson	F6	Diversity
6.	LG09-7356	F6 LG00-6182 x LG02-4198	Nelson	F6	Diversity
7.	LG09-7464	F6 LG00-8298 x H2885	Nelson	F6	Diversity
8.	LG09-7547	F6 LG01-4918 x H2885	Nelson	F6	Diversity
9.	LG09-8545	F6 K1599 x LG02-3733	Nelson	F6	Diversity
10.	LG09-8556	F6 LG00-3372 x LG00-6715	Nelson	F6	Diversity
11.	LG09-8615	F6 LG00-8301 x LN97-15076	Nelson	F6	Diversity
12.	LG09-8656	F6 LG01-4918 x H2885	Nelson	F6	Diversity
13.	U08-421030	U00-433038 x LD05-16638	Graef	F5	Rag1
14.	U08-422034	U01-390489 x LD05-16521	Graef	F5	Rag1,SCN
15.	U09-106010	OAC 05-21 x U03-200317	Graef	F5	Rps
16.	U09-230069	U03-200238 x U03-400435	Graef	F5	SCN,Rps1K
17.	U09-303114	OAC 05-21 x U03-200317	Graef	F5	Rps
18.	U09-316112	LD01-5907 x U03-300134	Graef	F5	SCN,Rps
19.	U09-406141	U01-190311 x U03-400435	Graef	F5	
20.	U09-407147	U02-242055 x U03-200317	Graef	F5	Rps1K
21.	U09-407151	U02-242055 x U03-300134	Graef	F5	Rps1K
22.	U10-423056	(U01-390489 x LD01-5907) x U02-341563	Graef	F5	SCN
23.	U10-425065	(U01-390489 x LD01-5907) x U02-341563	Graef	F5	SCN
24.	U10-429063	(U01-390489 x LD01-5907) x U02-341563	Graef	F5	SCN
25.	U10-430057	(U01-390489 x U03-200317) x U02-341563	Graef	F5	SCN, Rps
26.	U10-433058	(U01-390489 x U03-200317) x U02-341563	Graef	F5	SCN, Rps
27.	U10-441064	(U01-390489 x U03-200317) x U02-341563	Graef	F5	SCN, Rps

PRELIMINARY TEST IIIB, 2011

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Shattering Score Ashland KS	Shattering Score Urbana IL	Green Stem Score S. Charleston OH
IA3023 (III)	WLtBDYBlI	1.0	0.0	1.0
IA3024	PGTDYIbI	1.0	0.0	1.0
IA3048 (SCN)	WGBIYYI	1.0	0.0	1.0
IA4005	WTTDYBlI	1.0	0.0	1.5
LG09-7250	WLtBDYBlI	2.0	0.0	1.5
LG09-7356	PGBDYIbI	2.0	0.0	1.5
LG09-7464	WGBDYLbfI	1.0	0.0	1.0
LG09-7547	WTBSYBlI	2.0	0.0	1.0
LG09-8545	PTBDYBlI	1.0	0.0	1.0
LG09-8556	PLtBDYBlI	1.0	0.0	1.0
LG09-8615	WTBDYBlI	2.0	0.0	1.0
LG09-8656	WTBIYLblI	2.0	0.0	1.0
U08-421030	PTTIYBrD	2.0	0.0	1.0
U08-422034	WGBDYYI	1.0	0.0	1.0
U09-106010	PTBDYBl+BrI	2.0	0.0	1.0
U09-230069	PGBIYIbI	2.0	0.0	1.0
U09-303114	PT+LtBDYBl+BrI	2.0	2.0	1.0
U09-316112	PGTDYIb+BfI	1.0	0.0	1.0
U09-406141	P+WGBDYIb+BfI	2.0	0.0	1.0
U09-407147	P+WLt+GBDYBl+IbI	3.0	1.0	1.0
U09-407151	PLtBDYBlI	1.0	0.0	1.0
U10-423056	PT+LtTDYBr+BlI	1.0	0.0	1.0
U10-425065	PGBDYIbI	1.0	0.0	1.0
U10-429063	WGTDYBfI	1.0	0.0	1.0
U10-430057	PLtBDYBlI	2.0	0.0	1.0
U10-433058	WLtBDYBrI	1.0	0.0	1.0
U10-441064	PLtBDYLbrI	1.0	0.0	1.0

PRELIMINARY TEST IIIB, 2011

REGIONAL SUMMARY

Strain	Yield 11 bu/a	Rank 11 No.	Maturity 9 Date	Lodging 8 Score	Plant Height 8 In.	Seed Quality 9 Score	Seed Size 9 g/100	Composition Protein * %	Composition Oil * %
No. of Tests									
IA3023 (III)	67.5	2	9/28	1.6	36	1.6	14.8		
IA3024	65.0	5	-1.3	1.5	36	1.9	15.5		
IA3048 (SCN)	66.0	3	1.4	1.7	37	1.7	13.9		
IA4005	68.5	1	7.1	1.5	34	1.6	14.0		
LG09-7250	65.1	4	6.4	2.4	44	1.7	17.2		
LG09-7356	59.6	24	4.7	2.4	44	2.1	17.0		
LG09-7464	62.0	16	4.3	1.8	40	1.7	14.6		
LG09-7547	61.0	21	0.8	1.9	40	1.7	15.6		
LG09-8545	65.0	5	3.4	1.5	39	1.7	13.1		
LG09-8556	64.4	10	1.9	2.2	45	1.6	13.8		
LG09-8615	58.5	25	4.6	1.9	41	1.7	15.5		
LG09-8656	60.1	22	4.7	1.7	38	1.6	14.8		
U08-421030	57.5	26	3.1	1.4	28	1.7	17.5		
U08-422034	54.9	27	3.1	2.4	39	1.8	15.9		
U09-106010	61.3	20	-0.4	2.1	37	1.7	15.2		
U09-230069	61.6	18	-2.2	1.7	38	1.8	15.2		
U09-303114	62.9	12	-1.9	1.8	37	1.9	14.4		
U09-316112	64.9	7	2.0	1.5	37	1.6	12.5		
U09-406141	62.1	15	2.3	1.9	39	1.8	15.1		
U09-407147	64.9	7	-3.2	2.0	39	1.8	14.3		
U09-407151	64.7	9	1.7	1.7	38	1.8	13.1		
U10-423056	61.7	17	4.9	2.1	44	1.6	13.1		
U10-425065	64.4	10	1.8	1.7	44	1.8	15.4		
U10-429063	61.5	19	1.9	1.6	41	2.1	15.5		
U10-430057	59.7	23	1.6	1.7	36	1.6	14.8		
U10-433058	62.4	14	1.2	1.8	36	1.7	14.2		
U10-441064	62.7	13	-0.4	1.6	41	1.9	14.4		

124.8 Days After Planting

* **Note:** Protein & Oil Analysis by USDA Peoria, IL lab was not completed at date of printing.

PRELIMINARY TEST IIIB, 2011

YIELD (bu/a)

Strain	Mean 11 Tests	Crawfordsville IA	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
IA3023 (III)	67.5	63.3	34.9	54.8	65.4	60.1
IA3024	65.0	61.4	33.4	53.3	64.7	58.5
IA3048 (SCN)	66.0	65.9	45.2	42.8	70.9	54.7
IA4005	68.5	62.9	40.9	58.4	66.8	58.3
LG09-7250	65.1	61.2	52.8	56.5	64.0	58.4
LG09-7356	59.6	56.9	45.7	49.6	57.7	49.7
LG09-7464	62.0	57.0	42.7	45.2	57.0	54.5
LG09-7547	61.0	56.3	38.4	40.2	56.3	50.3
LG09-8545	65.0	60.3	41.5	51.4	62.6	60.4
LG09-8556	64.4	57.5	45.1	55.4	54.2	57.6
LG09-8615	58.5	53.3	38.8	48.8	52.2	48.7
LG09-8656	60.1	52.4	42.3	47.3	61.2	59.7
U08-421030	57.5	56.7	37.0	41.2	43.8	39.3
U08-422034	54.9	53.9	46.6	40.5	57.7	38.7
U09-106010	61.3	53.6	45.0	51.3	54.2	54.4
U09-230069	61.6	57.4	29.1	48.4	58.4	47.3
U09-303114	62.9	60.3	31.3	51.7	60.5	50.6
U09-316112	64.9	58.0	40.3	43.8	68.2	61.7
U09-406141	62.1	55.9	37.4	43.1	59.1	60.7
U09-407147	64.9	59.8	32.2	54.7	66.1	42.3
U09-407151	64.7	60.0	38.6	47.6	66.1	61.7
U10-423056	61.7	58.9	40.5	51.0	59.8	51.9
U10-425065	64.4	53.0	42.0	53.8	59.8	58.6
U10-429063	61.5	55.8	36.0	48.7	51.5	48.4
U10-430057	59.7	55.6	39.6	39.3	57.0	42.7
U10-433058	62.4	55.1	35.4	52.4	58.4	52.7
U10-441064	62.7	46.0	38.2	50.2	58.4	55.6
Location Mean		57.3	39.7	48.9	59.7	53.2
C.V. (%)		9.8	10.3	11.0	6.2	8.7
L.S.D. (5%)		11.8	7.0	11.1	7.6	11.5
Row Sp. (In.)		30	30	30	30	30
Rows/Plot		4	4	4	4	4
Reps		2	2	2	2	2

PRELIMINARY TEST IIIB, 2011

YIELD (bu/a)

Strain	Columbia MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	South Charleston OH
IA3023 (III)	39.4	86.6	80.0	87.0	99.1	72.2
IA3024	43.2	77.4	77.4	90.9	93.6	61.3
IA3048 (SCN)	46.3	83.0	71.9	90.0	88.1	66.8
IA4005	45.3	81.6	75.0	84.7	98.7	81.5
LG09-7250	56.6	70.2	67.9	69.5	91.6	67.4
LG09-7356	45.1	71.4	66.6	57.1	90.3	65.5
LG09-7464	41.3	77.9	74.6	78.5	86.1	67.0
LG09-7547	49.1	77.0	73.6	81.2	87.9	60.6
LG09-8545	38.8	82.3	72.0	82.4	97.8	65.7
LG09-8556	49.2	78.4	68.1	79.2	94.6	69.1
LG09-8615	36.8	72.5	68.7	74.5	87.4	61.5
LG09-8656	42.1	76.1	68.3	73.3	80.1	58.0
U08-421030	37.1	71.6	69.8	79.6	96.0	60.9
U08-422034	37.0	65.5	60.7	66.0	80.2	57.5
U09-106010	32.3	77.7	70.9	83.2	91.6	59.9
U09-230069	34.5	82.2	74.1	75.4	94.3	76.5
U09-303114	42.2	78.9	74.3	86.1	91.0	64.8
U09-316112	46.2	79.0	68.6	87.2	95.5	65.5
U09-406141	38.3	75.8	72.2	76.1	95.5	69.4
U09-407147	33.4	86.3	80.0	89.5	94.5	75.0
U09-407151	42.0	81.7	69.5	84.6	95.2	64.3
U10-423056	40.2	72.8	66.4	79.1	89.0	69.5
U10-425065	43.9	78.9	78.6	82.6	88.5	68.7
U10-429063	42.3	76.9	79.4	85.3	92.3	60.0
U10-430057	35.1	76.8	72.2	72.4	96.5	69.1
U10-433058	36.8	82.7	75.5	87.9	90.2	59.8
U10-441064	38.5	80.3	76.2	86.8	97.5	62.3
Location Mean	41.2	77.8	72.3	80.4	92.0	65.9
C.V. (%)	6.9	5.4	8.0	6.6	4.9	11.2
L.S.D. (5%)	5.0	10.1	13.9	11.0	9.1	14.9
Row Sp. (In.)	30	30	30	30	7.5	15
Rows/Plot	4	4	4	4	8	6
Reps	2	2	2	2	2	2

PRELIMINARY TEST IIIB, 2011

YIELD RANK

Strain	Yield Rank	Crawfordsville IA	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
IA3023 (III)	2	2	23	4	6	5
IA3024	5	4	24	7	7	8
IA3048 (SCN)	3	1	4	23	1	13
IA4005	1	3	11	1	3	10
LG09-7250	4	5	1	2	8	9
LG09-7356	24	15	3	14	18	20
LG09-7464	16	14	7	20	20	14
LG09-7547	21	17	17	26	22	19
LG09-8545	5	7	10	10	9	4
LG09-8556	10	12	5	3	23	11
LG09-8615	25	24	15	15	25	21
LG09-8656	22	26	8	19	10	6
U08-421030	26	16	20	24	27	26
U08-422034	27	22	2	25	18	27
U09-106010	20	23	6	11	23	15
U09-230069	18	13	27	17	15	23
U09-303114	12	6	26	9	11	18
U09-316112	7	11	13	21	2	1
U09-406141	15	18	19	22	14	3
U09-407147	7	9	25	5	4	25
U09-407151	9	8	16	18	4	1
U10-423056	17	10	12	12	12	17
U10-425065	10	25	9	6	12	7
U10-429063	19	19	21	16	26	22
U10-430057	23	20	14	27	20	24
U10-433058	14	21	22	8	15	16
U10-441064	13	27	18	13	15	12

PRELIMINARY TEST IIIB, 2011

YIELD RANK

Strain	Columbia MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	South Charleston OH
IA3023 (III)	16	1	1	6	1	4
IA3024	9	16	5	1	13	20
IA3048 (SCN)	4	3	16	2	22	12
IA4005	6	8	8	10	2	1
LG09-7250	1	26	24	25	15	10
LG09-7356	7	25	25	27	18	14
LG09-7464	14	14	9	19	25	11
LG09-7547	3	17	12	15	23	22
LG09-8545	17	5	15	14	3	13
LG09-8556	2	13	23	17	10	7
LG09-8615	22	23	20	22	24	19
LG09-8656	12	20	22	23	27	26
U08-421030	20	24	18	16	6	21
U08-422034	21	27	27	26	26	27
U09-106010	27	15	17	12	15	24
U09-230069	25	6	11	21	12	2
U09-303114	11	11	10	8	17	16
U09-316112	5	10	21	5	7	14
U09-406141	19	21	13	20	7	6
U09-407147	26	2	1	3	11	3
U09-407151	13	7	19	11	9	17
U10-423056	15	22	26	18	20	5
U10-425065	8	11	4	13	21	9
U10-429063	10	18	3	9	14	23
U10-430057	24	19	13	24	5	7
U10-433058	22	4	7	4	19	25
U10-441064	18	9	6	7	4	18

PRELIMINARY TEST IIIB, 2011

MATURITY (date)

Strain	Mean 9 Tests	Crawfordsville IA	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
IA3023 (III)	9/28	9/23	9/12	10/3	9/26	9/30
IA3024	-1.3	-1	0	-3	-2	0
IA3048 (SCN)	1.4	6	6	-1	4	0
IA4005	7.1	9	11	3	9	8
LG09-7250	6.4	7	14	3	6	9
LG09-7356	4.7	8	10	3	5	1
LG09-7464	4.3	6	10	0	3	5
LG09-7547	0.8	0	2	-1	1	-1
LG09-8545	3.4	5	8	0	4	3
LG09-8556	1.9	2	8	1	0	-1
LG09-8615	4.6	6	10	2	9	5
LG09-8656	4.7	5	10	2	7	5
U08-421030	3.1	5	6	2	2	2
U08-422034	3.1	4	6	3	6	1
U09-106010	-0.4	-2	3	-1	-1	3
U09-230069	-2.2	1	-4	-3	-1	-5
U09-303114	-1.9	-1	-5	-2	-1	-1
U09-316112	2.0	6	6	1	2	-3
U09-406141	2.3	6	6	-1	2	0
U09-407147	-3.2	-3	-7	-3	-2	-4
U09-407151	1.7	3	4	-1	3	3
U10-423056	4.9	8	11	2	5	5
U10-425065	1.8	3	8	1	1	1
U10-429063	1.9	5	4	2	4	1
U10-430057	1.6	4	6	1	1	-2
U10-433058	1.2	4	5	2	2	-2
U10-441064	-0.4	0	1	0	-2	-4
Date Planted	5/26	5/12	5/13	6/7	5/23	6/8
Days to Mature	125	134	122	118	126	114

PRELIMINARY TEST IIIB, 2011

MATURITY (date)

Strain	Columbia MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	South Charleston OH
IA3023 (III)	9/28			10/3	10/10	10/3
IA3024	0			-2	-2	-3
IA3048 (SCN)	4			-2	-3	-1
IA4005	7			4	5	9
LG09-7250	8			1	4	6
LG09-7356	6			0	3	8
LG09-7464	6			1	2	7
LG09-7547	6			-1	0	1
LG09-8545	5			0	-1	8
LG09-8556	4			-2	-1	6
LG09-8615	6			-2	0	6
LG09-8656	6			0	1	6
U08-421030	5			1	4	2
U08-422034	3			-1	1	5
U09-106010	2			-4	-1	-3
U09-230069	-2			-3	-1	-1
U09-303114	1			-2	-3	-4
U09-316112	7			-3	-1	3
U09-406141	5			1	-1	3
U09-407147	-3			-3	-2	-3
U09-407151	4			-2	-2	4
U10-423056	6			0	0	8
U10-425065	5			-1	-1	0
U10-429063	6			-1	-3	0
U10-430057	5			-2	-1	2
U10-433058	3			-2	-2	0
U10-441064	4			-1	-2	0
Date Planted	5/26	6/4	5/25	5/17	6/6	5/31
Days to Mature	125			139	126	125

PRELIMINARY TEST IIIB, 2011

LODGING (score)

Strain	Mean 8 Tests	Crawfordsville IA	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
IA3023 (III)	1.6	1.5	1.3	1.0	1.5	2.5
IA3024	1.5	1.8	1.0	1.0	2.0	1.5
IA3048 (SCN)	1.7	1.8	1.3	1.0	2.0	2.5
IA4005	1.5	1.5	1.5	1.0	1.0	2.5
LG09-7250	2.4	2.3	1.5	1.5	2.5	2.5
LG09-7356	2.4	2.0	1.5	1.5	2.0	2.5
LG09-7464	1.8	1.8	1.5	1.0	1.0	3.0
LG09-7547	1.9	1.5	1.0	1.0	2.0	3.0
LG09-8545	1.5	1.8	1.3	1.0	1.0	2.0
LG09-8556	2.2	2.0	1.5	1.0	1.5	3.0
LG09-8615	1.9	2.3	1.5	1.3	1.5	2.5
LG09-8656	1.7	1.8	1.5	1.0	1.5	2.5
U08-421030	1.4	1.5	1.5	1.0	1.0	2.5
U08-422034	2.4	2.5	1.5	1.0	2.5	3.0
U09-106010	2.1	2.3	1.5	1.0	1.5	3.0
U09-230069	1.7	1.8	1.0	1.0	1.5	2.5
U09-303114	1.8	2.0	1.0	1.0	1.5	4.0
U09-316112	1.5	1.5	1.3	1.0	1.5	3.0
U09-406141	1.9	2.0	1.0	1.0	2.0	2.5
U09-407147	2.0	1.8	1.0	1.3	2.0	3.0
U09-407151	1.7	1.8	1.3	1.5	1.5	2.5
U10-423056	2.1	2.3	1.5	1.8	1.5	2.5
U10-425065	1.7	1.8	1.5	1.0	1.5	2.0
U10-429063	1.6	1.8	1.0	1.0	1.5	2.0
U10-430057	1.7	1.5	1.5	1.3	1.0	3.0
U10-433058	1.8	1.8	1.3	1.3	2.0	2.5
U10-441064	1.6	1.5	1.0	1.0	2.0	2.0

PRELIMINARY TEST IIIB, 2011

LODGING (score)

Strain	Columbia MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	South Charleston OH
IA3023 (III)	1.0				2.5	1.2
IA3024	1.0				2.5	1.3
IA3048 (SCN)	1.0				3.0	1.4
IA4005	1.0				2.0	1.4
LG09-7250	2.0				3.5	3.1
LG09-7356	3.0				3.5	3.5
LG09-7464	1.0				3.0	2.1
LG09-7547	2.0				3.0	1.7
LG09-8545	1.0				3.0	1.3
LG09-8556	2.0				4.0	2.6
LG09-8615	1.0				3.0	1.8
LG09-8656	1.0				2.5	2.2
U08-421030	1.0				2.0	0.9
U08-422034	2.0				4.5	2.4
U09-106010	1.0				4.0	2.6
U09-230069	1.0				3.0	1.7
U09-303114	1.0				2.5	1.3
U09-316112	1.0				2.0	1.1
U09-406141	1.0				3.5	2.4
U09-407147	2.0				3.0	1.8
U09-407151	1.0				2.5	1.7
U10-423056	2.0				3.0	2.1
U10-425065	1.0				3.0	1.5
U10-429063	1.0				3.0	1.5
U10-430057	1.0				3.0	1.3
U10-433058	1.0				3.0	1.2
U10-441064	1.0				3.0	1.6

PRELIMINARY TEST IIIB, 2011

PLANT HEIGHT (inches)

Strain	Mean 8 Tests	Crawfordsville IA	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
IA3023 (III)	36	38	31	36	40	36
IA3024	36	38	28	34	44	44
IA3048 (SCN)	37	40	34	34	41	41
IA4005	34	34	30	34	40	38
LG09-7250	44	46	42	42	52	47
LG09-7356	44	50	41	45	50	49
LG09-7464	40	41	37	38	43	43
LG09-7547	40	41	33	36	47	45
LG09-8545	39	42	35	37	43	42
LG09-8556	45	49	44	44	50	47
LG09-8615	41	43	38	41	44	45
LG09-8656	38	39	34	36	43	41
U08-421030	28	29	26	27	28	33
U08-422034	39	44	38	36	43	42
U09-106010	37	39	36	35	41	42
U09-230069	38	42	31	36	42	44
U09-303114	37	38	30	38	44	43
U09-316112	37	39	33	35	44	42
U09-406141	39	44	36	39	43	44
U09-407147	39	41	33	39	46	43
U09-407151	38	41	34	38	44	42
U10-423056	44	46	40	43	52	49
U10-425065	44	44	40	40	51	49
U10-429063	41	45	34	39	46	48
U10-430057	36	37	34	36	40	39
U10-433058	36	36	31	34	44	40
U10-441064	41	45	35	42	43	42

PRELIMINARY TEST IIIB, 2011

PLANT HEIGHT (inches)

Strain	Columbia MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	South Charleston OH
IA3023 (III)	29				38	38
IA3024	28				38	38
IA3048 (SCN)	30				37	39
IA4005	26				38	35
LG09-7250	32				46	45
LG09-7356	31				45	45
LG09-7464	30				43	44
LG09-7547	33				41	41
LG09-8545	28				41	41
LG09-8556	33				48	45
LG09-8615	32				43	40
LG09-8656	30				40	39
U08-421030	22				34	29
U08-422034	28				42	43
U09-106010	26				38	37
U09-230069	28				40	40
U09-303114	27				37	37
U09-316112	31				38	37
U09-406141	29				40	38
U09-407147	32				39	39
U09-407151	31				39	39
U10-423056	33				45	43
U10-425065	39				45	42
U10-429063	33				43	43
U10-430057	28				38	35
U10-433058	28				36	36
U10-441064	33				43	44

PRELIMINARY TEST IIIB, 2011

SEED QUALITY (score)

Strain	Mean 9 Tests	Crawfordsville IA	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
IA3023 (III)	1.6	2.0	1.0	2.5	2.1	2.1
IA3024	1.9	3.0	1.0	3.0	2.0	3.0
IA3048 (SCN)	1.7	2.0	1.0	2.5	3.0	2.0
IA4005	1.6	2.0	2.0	2.0	2.0	2.0
LG09-7250	1.7	2.0	2.0	3.0	2.0	2.0
LG09-7356	2.1	3.0	2.0	3.0	3.0	3.0
LG09-7464	1.7	2.0	1.0	1.5	3.0	2.0
LG09-7547	1.7	1.0	2.0	2.5	3.0	2.0
LG09-8545	1.7	2.0	1.0	1.5	3.0	3.0
LG09-8556	1.6	2.0	1.0	2.0	3.0	2.0
LG09-8615	1.7	3.0	1.0	2.0	2.0	2.0
LG09-8656	1.6	2.0	1.0	1.5	3.0	2.0
U08-421030	1.7	1.0	1.0	2.0	3.0	3.0
U08-422034	1.8	2.0	2.0	2.5	3.0	2.0
U09-106010	1.7	2.0	2.0	2.5	2.0	2.0
U09-230069	1.8	3.0	1.0	2.5	2.0	2.0
U09-303114	1.9	2.0	2.0	2.5	3.0	3.0
U09-316112	1.6	2.0	1.0	2.0	2.0	2.0
U09-406141	1.8	3.0	1.0	2.5	3.0	2.0
U09-407147	1.8	2.0	2.0	2.0	3.0	2.0
U09-407151	1.8	3.0	1.0	2.0	3.0	2.0
U10-423056	1.6	2.0	1.0	2.0	2.0	2.0
U10-425065	1.8	3.0	1.0	2.5	2.0	3.0
U10-429063	2.1	3.0	1.0	3.0	4.0	3.0
U10-430057	1.6	3.0	1.0	1.5	2.0	2.0
U10-433058	1.7	3.0	1.0	1.5	3.0	2.0
U10-441064	1.9	3.0	2.0	3.0	2.0	2.0

PRELIMINARY TEST IIIB, 2011

SEED QUALITY (score)

Strain	Columbia MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	South Charleston OH
IA3023 (III)		1.0		1.0	1.0	1.5
IA3024		1.0		1.0	1.0	2.5
IA3048 (SCN)		1.0		1.0	1.0	1.5
IA4005		1.0		1.0	1.0	1.5
LG09-7250		1.0		1.0	1.0	1.5
LG09-7356		1.0		1.0	1.0	2.0
LG09-7464		1.0		1.0	1.0	2.5
LG09-7547		1.0		1.0	1.0	1.5
LG09-8545		1.0		1.0	1.0	2.0
LG09-8556		1.0		1.0	1.0	1.5
LG09-8615		1.0		1.0	1.0	2.0
LG09-8656		1.0		1.0	1.0	1.5
U08-421030		1.0		1.0	1.0	2.0
U08-422034		1.0		1.0	1.0	2.0
U09-106010		1.0		1.0	1.0	1.5
U09-230069		1.0		1.0	1.0	2.5
U09-303114		1.0		1.0	1.0	2.0
U09-316112		1.0		1.0	1.0	2.0
U09-406141		1.0		1.0	1.0	2.0
U09-407147		1.0		1.0	1.0	2.0
U09-407151		1.0		1.0	1.0	2.0
U10-423056		1.0		1.0	1.0	2.0
U10-425065		1.0		1.0	1.0	2.0
U10-429063		1.0		1.0	1.0	2.0
U10-430057		1.0		1.0	1.0	1.5
U10-433058		1.0		1.0	1.0	1.5
U10-441064		1.0		1.0	1.0	2.0

PRELIMINARY TEST IIIB, 2011

SEED SIZE (g/100)

Strain	Mean 9 Tests	Crawfordsville IA	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
IA3023 (III)	14.8	14.5	11.0	14.3	14.2	14.7
IA3024	15.5	14.9	13.2	15.0	14.8	14.7
IA3048 (SCN)	13.9	13.2	12.1	14.7	12.7	11.6
IA4005	14.0	13.2	11.5	13.7	13.0	12.4
LG09-7250	17.2	15.8	15.6	16.4	16.9	15.8
LG09-7356	17.0	16.9	15.2	17.3	16.9	14.0
LG09-7464	14.6	13.6	11.0	14.0	12.3	13.7
LG09-7547	15.6	14.2	13.9	15.9	14.3	13.9
LG09-8545	13.1	12.5	10.6	12.3	12.7	12.6
LG09-8556	13.8	12.0	12.2	13.5	12.5	12.4
LG09-8615	15.5	14.1	11.5	14.5	15.5	15.2
LG09-8656	14.8	13.6	11.7	14.1	13.8	13.5
U08-421030	17.5	17.2	14.6	15.6	15.5	16.0
U08-422034	15.9	14.5	13.6	16.9	16.8	13.6
U09-106010	15.2	14.0	12.3	14.9	13.6	15.0
U09-230069	15.2	14.7	11.6	15.5	13.8	12.6
U09-303114	14.4	13.5	10.9	14.7	13.0	14.0
U09-316112	12.5	10.9	9.7	11.1	11.6	13.7
U09-406141	15.1	14.6	12.1	15.1	13.6	13.4
U09-407147	14.3	13.6	10.4	13.8	14.4	13.8
U09-407151	13.1	12.3	9.9	11.8	13.0	12.4
U10-423056	13.1	14.1	10.2	12.0	11.9	11.8
U10-425065	15.4	14.3	14.3	14.2	14.0	13.4
U10-429063	15.5	14.5	12.0	15.5	14.7	14.1
U10-430057	14.8	13.7	11.3	13.5	13.9	13.6
U10-433058	14.2	13.3	11.5	14.1	13.7	12.1
U10-441064	14.4	13.9	12.6	14.8	12.7	12.4

PRELIMINARY TEST IIIB, 2011

SEED SIZE (g/100)

Strain	Columbia MO	Clay Center NE	Lincoln NE	Phillips NE	Hoytville OH	South Charleston OH
IA3023 (III)		15.4		16.5	16.9	15.5
IA3024		17.0		17.6	16.7	15.7
IA3048 (SCN)		14.6		15.8	15.1	15.2
IA4005		15.1		15.5	15.5	16.0
LG09-7250		18.0		18.9	18.6	18.7
LG09-7356		18.2		18.4	18.2	18.3
LG09-7464		16.7		17.1	17.1	16.2
LG09-7547		17.5		17.7	16.7	16.5
LG09-8545		14.3		14.3	14.6	14.4
LG09-8556		15.0		15.7	15.8	15.5
LG09-8615		17.7		16.8	18.0	16.4
LG09-8656		16.0		17.1	17.5	15.6
U08-421030		19.7		20.7	19.9	18.0
U08-422034		17.1		17.3	17.9	15.8
U09-106010		16.8		16.7	17.5	16.2
U09-230069		16.3		17.7	18.0	16.9
U09-303114		16.0		15.7	16.0	15.4
U09-316112		13.6		14.1	13.8	13.6
U09-406141		16.4		17.6	17.0	16.2
U09-407147		15.1		16.2	16.1	15.6
U09-407151		14.7		15.3	14.8	13.7
U10-423056		13.8		14.0	15.4	14.8
U10-425065		16.7		17.1	16.7	17.6
U10-429063		17.3		17.7	17.3	16.8
U10-430057		16.1		16.7	17.8	16.3
U10-433058		15.8		16.1	15.8	15.2
U10-441064		15.0		16.5	16.3	15.1

Uniform Test IV, 2011

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1	LD00-3309 (IV)	Maverick x Dwight	Diers	6	F5	SCN
2.	IA4005	IA3023 x IA3025	Fehr	UTIII		1% linolenic
3.	LD00-2817P (L)	Ina x Dwight	Diers	4	F5	SCN
4.	CL05-46330	CL0J173-6-8 x LD-00-3309	LeRoy	09PTIV	F4	Rps3a, SCN
5.	CL05-61413	98820-33 x LD00-3309	LeRoy	09PTIV	F4	SCN
6.	K07-1253	IA3023 X LS01-1987	Schapaugh	1	F4	
7.	K08-5258	K03-2399 x K03-2897	Schapaugh	PTIV	F4	
8.	K08-5718	K03-2399 x IA3024	Schapaugh	PTIV	F4	LOW LINOLENIC
9.	K08-6067	IA3023 x K03-2897	Schapaugh	PTIV	F4	
10.	K08-6247	133515 x IA3024	Schapaugh	PTIIIB	F4	
11.	LD06-7609	IA3023 x LD00- 3309	Diers	1	F5	SCN
12.	LD06-7620	IA3023 x LD00- 3309	Diers	1	F5	SCN
13.	LD06-8970	LS93-0375 x LNX97164-35	Diers	SCN UTIV	F5	SCN
14.	LD07-3823	LD01-5907 x LD00-3309	Diers	SCN PTIV	F5	SCN
15.	LS07-1343	LN97-15076 X LD02-4485	Klein	PTIV	F5	SCN
16.	LS07-1934	SS98-7851 x LD01-5907	Klein	SCN PTIV	F5	SCN
17.	LS07-1942	SS98-7851 x LD01-5907	Klein	PTIV	F5	SCN
18.	LS07-2935	SS98-7851 x LD00-3309	Klein	SCN PTIV	F5	SCN
19.	LS07-3125	SS98-7851 x LD00-3309	Klein	PTIV	F5	SCN
20.	LS07-3131	SS98-7851 x LD00-3309	Klein	SCN PTIV	F5	SCN
21.	SS05-5632	IA3017 X UNKNOWN	Clark	PTIV	F5	LOW LIN
22.	SS05-5633	IA3017 X UNKNOWN	Clark	PTIV	F5	LOW LIN
23.	SS05-5646	A3017 x UNKNOWN	Clark	PTIIIA	F5	LOW LIN
24.	SS06-5510	CR03-540 X IA3017	Clark	SCN PTIII	F5	LOW LIN
25.	SS06-5658	SS95-15348 x IA3017	Clark	SCN PTIII	F5	LOW LIN
26.	SS06-6869	BIG BUBBA x U98-311442	Clark	PTIIIA	F5	
27.	TN-05-3027	Rend x LG97-9301	Pantalone	1	F6	Diversity

UNIFORM TEST IV, 2011

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Green Stem Score Lexington KY	Green Stem Score S. Charleston OH	Green Stem Score Jackson TN	Shattering Score Ashland KS	SDS DX Valmeyer IL
LD00-3309 (IV)	PTBIYBlI	2.0	1.0	1.0	1.0	5
IA4005	WTTDYBlI	2.0	1.0	1.3	2.0	29
LD00-2817P (L)	PGTDYIbI	2.0	1.3	1.7	1.0	1
CL05-46330	P+WLtTDYBlI	2.0	1.0	1.0	2.0	7
CL05-61413	PLtBDYBlI	1.0	1.0	1.0	2.0	0
K07-1253	PLtBDYBlI	2.0	1.0	1.0	2.0	58
K08-5258	WTBIYBlI	2.0	1.0	1.3	2.0	2
K08-5718	P+WGTDYIb+BfI	1.0	1.0	1.0	2.0	44
K08-6067	PLt+TBDYBlI	2.0	1.0	1.7	1.0	11
K08-6247	P+WGTDYIb+BfI	1.0	1.3	1.3	2.0	22
LD06-7609	WTBDYBlI	2.0	1.0	1.0	1.0	6
LD06-7620	PLtBDYBlI	2.0	1.0	2.3	1.0	0
LD06-8970	WGBDYBfI	2.0	1.3	1.7	1.0	3
LD07-3823	PTBDYLbrI	1.0	1.0	1.0	2.0	5
LS07-1343	WTBDYBl+BrI	2.0	1.0	1.3	2.0	19
LS07-1934	PGBDYLbfI	1.0	1.7	1.0	1.0	6
LS07-1942	PGBDYLbfI	2.0	1.7	1.3	1.0	4
LS07-2935	PTBSYLblI	2.0	1.7	1.7	2.0	9
LS07-3125	WGBIYBfI	2.0	1.0	1.3	2.0	9
LS07-3131	PGBIYIb+YI	2.0	2.3	1.7	1.0	19
SS05-5632	PGBDYIbI	2.0	3.7	1.7	2.0	17
SS05-5633	PGBDYIbI	2.0	3.3	1.7	2.0	12
SS05-5646	PGBDYIbI	1.0	1.0	1.0	2.0	14
SS06-5510	WTBDYBlI	2.0	1.7	1.3	3.0	10
SS06-5658	WTTDYBlI	2.0	1.3	1.3	2.0	17
SS06-6869	WGTDYYI	2.0	1.0	1.3	2.0	14
TN-05-3027	WGBDYBfI	2.0	1.0	1.3	2.0	31
Ripley(res)						0
Spencer(sus)						50
LS94-3207(res)						4
S03-007CR(sus)						28
P>0,05						0.0022
LSD						25

UNIFORM TEST IV, 2011

REGIONAL SUMMARY

Strain	Yield 10 bu/a	Rank 10 No.	Maturity 10 Date	Lodging 13 Score	Plant Height 13 In.	Seed Quality 12 Score	Seed Size 12 g/100	Composition Protein * %	Composition Oil * %
No. of Tests									
LD00-3309 (IV)	55.4	12	9/24	1.4	34	1.9	11.5		
IA4005	60.4	1	2.9	1.3	31	1.7	13.1		
LD00-2817P (L)	54.9	15	5.6	1.7	37	2.2	11.8		
CL05-46330	54.1	18	-0.6	1.3	34	1.7	13.3		
CL05-61413	57.7	7	-0.4	1.4	35	2.3	14.5		
K07-1253	53.5	23	1.1	2.0	35	2.1	13.2		
K08-5258	53.6	22	5.2	1.9	37	2.0	13.7		
K08-5718	54.5	17	2.8	1.8	36	1.8	12.8		
K08-6067	54.1	18	1.5	1.7	35	2.1	14.2		
K08-6247	58.7	4	1.5	1.6	34	2.2	13.3		
LD06-7609	55.4	12	1.0	1.2	36	1.9	12.9		
LD06-7620	59.1	3	1.1	1.4	32	2.1	13.1		
LD06-8970	56.8	9	4.7	1.4	36	1.9	12.6		
LD07-3823	57.2	8	1.2	1.5	33	2.0	12.8		
LS07-1343	59.7	2	3.2	2.4	35	1.9	13.6		
LS07-1934	54.7	16	3.6	1.6	37	1.8	13.8		
LS07-1942	54.1	18	6.1	1.6	39	2.1	13.9		
LS07-2935	56.1	10	6.7	2.0	41	1.9	14.8		
LS07-3125	58.0	5	4.1	1.2	38	1.7	12.4		
LS07-3131	57.9	6	8.2	1.6	38	1.8	14.0		
SS05-5632	55.2	14	7.3	1.6	39	2.2	15.3		
SS05-5633	55.9	11	7.0	1.4	38	2.0	14.5		
SS05-5646	53.9	21	2.0	1.7	39	2.1	13.9		
SS06-5510	53.0	27	3.0	1.4	35	1.9	13.3		
SS06-5658	53.2	25	4.9	1.4	35	1.9	13.8		
SS06-6869	53.4	24	3.2	1.6	35	1.7	15.7		
TN-05-3027	53.1	26	1.9	1.9	38	1.9	12.6		

123.1 Days After Planting

* **Note:** Protein & Oil Analysis by USDA Peoria, IL lab was not completed at date of printing.

UNIFORM TEST IV, 2011

2010-2011 2-YEAR MEAN

Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Quality	Seed Size	Composition	
								Protein	Oil
No. of Tests	25	25	24	28	27	26	26	*	*
	bu/a	No.	Date	Score	In.	Score	g/100	%	%
LD00-3309 (IV)	54.4	4	9/23	1.6	35	1.8	11.2		
LD00-2817P (L)	53.9	6	5.3	1.8	39	2.2	11.7		
K07-1253	55.1	2	1.9	2.0	35	2.0	13.1		
LD06-7609	54.7	3	1.6	1.3	37	1.8	12.8		
LD06-7620	56.8	1	1.7	1.5	33	2.0	13.0		
TN-05-3027	54.1	5	2.6	2.1	40	1.9	12.6		

121.8 Days After Planting

* **Note:** Protein & Oil Analysis by USDA Peoria, IL lab was not completed at date of printing.

UNIFORM TEST IV, 2011

YIELD (bu/a)

Strain	Mean 10 Tests	Harrisburg IL	Brownstown* IL	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
LD00-3309 (IV)	55.4	60.2	34.6	41.5	58.9	51.2	54.7
IA4005	60.4	70.1	37.0	38.2	62.7	54.2	60.7
LD00-2817P (L)	54.9	55.1	30.7	36.0	46.7	55.2	52.8
CL05-46330	54.1	61.6	29.7	36.9	52.9	54.2	50.1
CL05-61413	57.7	56.1	28.0	47.4	61.2	60.7	52.8
K07-1253	53.5	61.6	33.6	40.3	48.7	53.9	49.4
K08-5258	53.6	55.9	34.3	38.7	48.9	50.5	53.3
K08-5718	54.5	52.7	32.1	35.0	49.9	53.8	58.9
K08-6067	54.1	60.0	27.6	35.2	54.1	45.3	56.7
K08-6247	58.7	63.8	26.8	39.9	62.9	54.1	61.1
LD06-7609	55.4	62.2	42.6	34.2	47.2	58.6	48.7
LD06-7620	59.1	64.6	31.7	41.7	57.8	59.1	56.2
LD06-8970	56.8	52.4	33.9	44.4	55.2	64.7	52.7
LD07-3823	57.2	57.0	36.7	47.2	49.6	57.8	59.3
LS07-1343	59.7	59.2	39.9	44.4	57.1	58.4	64.0
LS07-1934	54.7	57.3	40.5	37.3	45.0	59.3	56.1
LS07-1942	54.1	56.1	38.7	38.8	49.5	55.5	53.9
LS07-2935	56.1	57.1	41.6	41.7	50.8	55.8	57.5
LS07-3125	58.0	66.0	40.2	39.3	46.7	61.5	60.2
LS07-3131	57.9	64.7	38.7	41.5	54.5	62.4	56.9
SS05-5632	55.2	53.5	39.2	42.6	50.8	45.9	56.3
SS05-5633	55.9	59.2	37.8	38.8	54.3	51.5	56.0
SS05-5646	53.9	58.1	33.4	37.9	52.9	42.0	56.8
SS06-5510	53.0	57.6	33.9	43.9	44.8	50.0	50.9
SS06-5658	53.2	54.1	34.3	37.0	44.3	48.4	55.3
SS06-6869	53.4	52.7	28.9	36.2	50.8	49.7	53.8
TN-05-3027	53.1	56.1	29.3	39.6	47.6	51.8	57.2
Location Mean		58.7	34.7	39.8	52.1	54.3	55.6
C.V. (%)		7.5	16.6	10.3	9.7	9.1	6.4
L.S.D. (5%)		7.3	9.8	7.0	8.3	8.1	7.0
Row Sp. (In.)		30	30	30	30	30	30
Rows/Plot		4	4	4	4	4	4
Reps		3	2	2	3	3	3

*Data not included in mean.

UNIFORM TEST IV, 2011

YIELD (bu/a)

Strain	Ottawa* KS	Lexington KY	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH	Jackson* TN
LD00-3309 (IV)	22.3	56.5	46.7	75.0	47.3	61.8	22.7
IA4005	23.5	78.2	42.6	75.8	51.6	70.0	39.3
LD00-2817P (L)	26.0	63.5	47.0	74.3	50.9	67.9	34.1
CL05-46330	19.4	65.0	41.8	66.4	42.4	69.5	42.4
CL05-61413	14.9	65.4	45.9	74.1	44.1	69.8	29.7
K07-1253	19.8	64.2	30.6	78.8	42.0	65.1	24.8
K08-5258	23.5	58.3	47.6	71.9	48.0	63.0	36.3
K08-5718	23.9	67.1	37.3	75.6	52.7	62.5	34.5
K08-6067	26.0	65.4	37.6	80.0	45.1	61.5	36.7
K08-6247	23.1	68.0	45.8	75.8	50.4	65.1	35.3
LD06-7609	22.7	73.9	46.9	66.8	47.2	68.1	29.1
LD06-7620	21.9	74.2	43.0	80.0	44.6	70.0	41.1
LD06-8970	25.6	62.1	48.9	72.7	53.0	61.7	32.9
LD07-3823	21.0	59.9	49.1	72.5	51.2	68.4	41.2
LS07-1343	26.8	59.7	48.6	79.7	55.3	70.7	41.5
LS07-1934	26.4	58.1	47.1	74.3	47.8	64.5	38.4
LS07-1942	26.4	56.9	50.4	65.2	49.4	65.7	45.2
LS07-2935	24.8	60.0	47.2	72.8	52.7	65.8	44.2
LS07-3125	26.4	63.0	54.9	74.6	48.0	65.4	38.4
LS07-3131	27.2	55.3	58.2	73.4	51.4	60.9	33.3
SS05-5632	26.8	68.3	46.8	71.4	57.9	58.6	42.0
SS05-5633	23.9	66.1	47.4	73.0	53.0	59.8	25.1
SS05-5646	21.5	65.4	45.7	73.0	45.0	62.7	33.1
SS06-5510	23.1	65.3	49.2	60.3	48.6	59.3	24.8
SS06-5658	22.3	68.8	47.0	66.7	44.8	66.0	28.0
SS06-6869	22.7	68.6	42.0	66.4	47.0	67.0	26.0
TN-05-3027	22.7	56.0	47.1	66.6	50.6	58.9	26.5
Location Mean	23.5	64.2	46.0	72.5	49.0	64.8	34.3
C.V. (%)	10.3	6.0	9.6	8.1	8.0	11.0	27.8
L.S.D. (5%)	4.0	4.1	6.0	11.5	7.7	11.6	19.6
Row Sp. (In.)	30	16	30	30	30	15	30
Rows/Plot	4	6	4	4	4	6	4
Reps	3	3	3	3	3	3	3

*Data not included in mean.

UNIFORM TEST IV, 2011

YIELD RANK

Strain	Yield Rank	Harrisburg IL	Brownstown IL	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
LD00-3309 (IV)	12	9	12	9	4	20	17
IA4005	1	1	10	18	2	13	3
LD00-2817P (L)	15	22	21	24	23	12	22
CL05-46330	18	7	22	22	11	13	26
CL05-61413	7	19	25	1	3	4	22
K07-1253	23	8	17	11	20	16	27
K08-5258	22	21	13	17	19	21	20
K08-5718	17	25	19	26	16	17	6
K08-6067	18	10	26	25	10	26	11
K08-6247	4	5	27	12	1	15	2
LD06-7609	12	6	1	27	22	7	28
LD06-7620	3	4	20	7	5	6	13
LD06-8970	9	27	15	3	7	1	24
LD07-3823	8	17	11	2	17	9	5
LS07-1343	2	11	5	3	6	8	1
LS07-1934	16	15	3	20	25	5	14
LS07-1942	18	18	7	15	18	11	18
LS07-2935	10	16	2	7	13	10	7
LS07-3125	5	2	4	14	23	3	4
LS07-3131	6	3	7	9	8	2	9
SS05-5632	14	24	6	6	13	25	12
SS05-5633	11	12	9	15	9	19	15
SS05-5646	21	13	18	19	11	27	10
SS06-5510	27	14	15	5	26	22	25
SS06-5658	25	23	13	21	27	24	16
SS06-6869	24	25	24	23	13	23	19
TN-05-3027	26	19	23	13	21	18	8

UNIFORM TEST IV, 2011

YIELD RANK

Strain	Ottawa KS	Lexington KY	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH	Jackson TN
LD00-3309 (IV)	21	25	17	8	18	20	27
IA4005	14	1	22	5	7	2	8
LD00-2817P (L)	8	16	13	10	10	8	15
CL05-46330	27	14	24	24	26	5	3
CL05-61413	28	10	18	12	25	4	19
K07-1253	26	15	27	4	27	14	25
K08-5258	14	22	8	19	15	17	12
K08-5718	12	8	26	7	5	19	14
K08-6067	8	10	25	1	21	22	11
K08-6247	16	7	19	5	12	14	13
LD06-7609	18	3	15	21	19	7	20
LD06-7620	23	2	21	1	24	2	7
LD06-8970	10	18	6	17	3	21	18
LD07-3823	25	20	5	18	9	6	6
LS07-1343	2	21	7	3	2	1	5
LS07-1934	5	23	11	10	17	16	9
LS07-1942	5	24	3	26	13	12	1
LS07-2935	11	19	10	16	5	11	2
LS07-3125	5	17	2	9	15	13	9
LS07-3131	1	27	1	13	8	23	16
SS05-5632	2	6	16	20	1	27	4
SS05-5633	12	9	9	14	3	24	24
SS05-5646	24	10	20	14	22	18	17
SS06-5510	16	13	4	27	14	25	25
SS06-5658	21	4	13	22	23	10	21
SS06-6869	18	5	23	24	20	9	23
TN-05-3027	18	26	11	23	11	26	22

UNIFORM TEST IV, 2011

MATURITY (date)

Strain	Mean 10 Tests	Harrisburg IL	Brownstown IL	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
LD00-3309 (IV)	9/24	9/22	9/24	9/26	10/6		
IA4005	2.9	8	5	-1	3		
LD00-2817P (L)	5.6	7	8	6	3		
CL05-46330	-0.6	0	-3	-3	0		
CL05-61413	-0.4	-2	-3	-1	1		
K07-1253	1.1	1	-1	-1	1		
K08-5258	5.2	7	7	3	3		
K08-5718	2.8	2	5	-1	2		
K08-6067	1.5	3	-3	-1	2		
K08-6247	1.5	5	3	-3	1		
LD06-7609	1.0	2	-3	0	3		
LD06-7620	1.1	0	-3	-2	4		
LD06-8970	4.7	6	6	6	1		
LD07-3823	1.2	0	-2	1	4		
LS07-1343	3.2	6	5	1	1		
LS07-1934	3.6	5	3	2	1		
LS07-1942	6.1	9	6	4	2		
LS07-2935	6.7	10	6	4	4		
LS07-3125	4.1	8	4	6	2		
LS07-3131	8.2	13	7	8	4		
SS05-5632	7.3	11	7	8	2		
SS05-5633	7.0	11	7	5	4		
SS05-5646	2.0	6	2	-1	0		
SS06-5510	3.0	6	5	5	0		
SS06-5658	4.9	6	5	4	2		
SS06-6869	3.2	5	5	2	2		
TN-05-3027	1.9	6	1	2	0		
Date Planted	5/24	5/31	5/18	5/13	5/17	6/1	6/8
Days to Mature	123	114	129	136	142		

UNIFORM TEST IV, 2011

MATURITY (date)

Strain	Ottawa KS	Lexington KY	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH	Jackson TN
LD00-3309 (IV)		9/25	10/1	10/3	9/6	10/11	8/31
IA4005		2	1	5	2	1	3
LD00-2817P (L)		3	5	5	10	1	8
CL05-46330		0	1	-3	0	0	2
CL05-61413		0	1	2	0	-3	1
K07-1253		2	1	2	3	1	2
K08-5258		3	6	5	9	2	7
K08-5718		3	3	4	8	-1	3
K08-6067		1	2	5	3	0	3
K08-6247		2	3	4	0	0	0
LD06-7609		3	1	2	0	0	2
LD06-7620		1	1	4	2	0	4
LD06-8970		1	4	2	13	0	8
LD07-3823		-1	1	4	2	0	3
LS07-1343		2	3	2	8	0	4
LS07-1934		1	6	5	8	2	3
LS07-1942		5	8	5	14	3	5
LS07-2935		6	5	6	13	5	8
LS07-3125		0	6	2	8	0	5
LS07-3131		4	8	6	19	5	8
SS05-5632		6	5	4	14	6	10
SS05-5633		5	5	4	16	5	8
SS05-5646		3	0	3	4	0	3
SS06-5510		4	1	2	2	1	4
SS06-5658		5	3	5	9	2	8
SS06-6869		3	2	0	8	0	5
TN-05-3027		0	1	2	5	0	2
Date Planted	6/7	5/12	5/26	6/1	5/9	5/31	5/18
Days to Mature		136	128	124	120	133	105

UNIFORM TEST IV, 2011

LODGING (score)

Strain	Mean 13 Tests	Harrisburg IL	Brownstown IL	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
LD00-3309 (IV)	1.4	1.0	1.5	1.0	1.2	1.7	2.0
IA4005	1.3	1.0	1.5	1.0	1.0	1.0	1.7
LD00-2817P (L)	1.7	1.0	1.5	1.0	1.0	2.7	1.7
CL05-46330	1.3	1.0	1.0	1.0	1.0	1.0	2.0
CL05-61413	1.4	1.0	1.5	1.0	1.0	1.3	2.3
K07-1253	2.0	2.3	1.5	1.0	1.3	2.0	3.0
K08-5258	1.9	2.0	1.5	1.3	1.2	2.7	2.0
K08-5718	1.8	2.0	1.5	1.3	1.2	2.7	2.0
K08-6067	1.7	2.0	1.5	1.3	1.3	2.3	2.0
K08-6247	1.6	1.7	1.5	1.0	1.2	1.7	2.0
LD06-7609	1.2	1.0	1.0	1.0	1.0	1.0	1.7
LD06-7620	1.4	1.0	1.0	1.0	1.0	1.7	2.0
LD06-8970	1.4	1.0	1.5	1.0	1.2	2.0	2.0
LD07-3823	1.5	1.0	1.0	1.0	1.2	2.0	1.7
LS07-1343	2.4	3.0	1.8	1.5	1.7	1.7	2.0
LS07-1934	1.6	2.0	1.5	1.0	1.5	2.0	1.7
LS07-1942	1.6	1.7	1.5	1.0	1.3	2.0	2.0
LS07-2935	2.0	2.3	1.3	1.3	1.5	2.0	2.0
LS07-3125	1.2	1.0	1.3	1.0	1.3	1.0	1.7
LS07-3131	1.6	2.0	1.8	1.0	1.3	1.3	1.7
SS05-5632	1.6	1.7	1.5	1.0	1.0	1.3	2.0
SS05-5633	1.4	1.3	1.5	1.3	1.0	1.0	2.0
SS05-5646	1.7	2.0	1.3	1.0	1.3	2.0	2.0
SS06-5510	1.4	2.0	1.5	1.5	1.0	1.3	2.0
SS06-5658	1.4	1.3	1.5	1.0	1.0	1.0	2.3
SS06-6869	1.6	2.0	1.8	1.0	1.5	1.0	2.0
TN-05-3027	1.9	2.0	1.8	1.3	1.5	2.0	2.7

UNIFORM TEST IV, 2011

LODGING (score)

Strain	Ottawa KS	Lexington KY	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH	Jackson TN
LD00-3309 (IV)	1.0	2.7	1.0	2.0	1.0	1.2	1.0
IA4005	1.0	1.0	1.0	2.0	2.0	1.2	1.0
LD00-2817P (L)	1.0	1.0	3.0	2.0	2.0	2.5	1.3
CL05-46330	1.0	1.7	1.0	1.0	2.0	1.3	1.7
CL05-61413	1.0	1.7	1.0	2.0	1.0	1.4	1.3
K07-1253	1.0	3.7	2.0	2.0	2.0	2.8	1.3
K08-5258	1.0	3.3	2.0	2.0	2.0	2.6	1.3
K08-5718	1.0	3.3	1.0	2.0	2.0	1.8	2.0
K08-6067	1.0	1.0	2.0	2.0	2.0	1.5	1.7
K08-6247	1.0	3.7	1.0	2.0	1.0	1.8	1.0
LD06-7609	1.0	1.0	1.0	2.0	1.0	1.3	1.0
LD06-7620	1.0	1.7	1.0	2.0	1.0	1.4	2.3
LD06-8970	1.0	1.0	1.0	2.0	2.0	1.2	1.3
LD07-3823	1.0	3.3	1.0	2.0	2.0	1.0	1.3
LS07-1343	1.0	4.3	1.0	3.0	4.0	3.5	3.0
LS07-1934	1.0	1.0	1.0	2.0	2.0	1.8	2.0
LS07-1942	1.0	1.0	1.0	2.0	1.0	2.3	2.3
LS07-2935	1.0	2.7	2.0	2.0	2.0	3.2	3.3
LS07-3125	1.0	1.0	1.0	1.0	2.0	1.4	1.3
LS07-3131	1.0	1.7	1.0	2.0	2.0	2.4	1.3
SS05-5632	1.0	1.7	1.0	2.0	2.0	2.3	2.3
SS05-5633	1.0	1.0	1.0	2.0	2.0	1.8	1.0
SS05-5646	1.0	1.3	1.0	2.0	3.0	2.3	1.3
SS06-5510	1.0	1.0	1.0	2.0	2.0	1.4	1.0
SS06-5658	1.0	1.0	1.0	2.0	2.0	1.5	1.0
SS06-6869	1.0	2.7	1.0	2.0	2.0	1.8	1.0
TN-05-3027	1.7	3.7	2.0	2.0	1.0	1.7	1.7

UNIFORM TEST IV, 2011

PLANT HEIGHT (inches)

Strain	Mean 13 Tests	Harrisburg IL	Brownstown IL	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
LD00-3309 (IV)	34	40	30	32	37	45	39
IA4005	31	37	23	32	33	41	36
LD00-2817P (L)	37	43	28	33	38	47	41
CL05-46330	34	39	29	31	36	46	38
CL05-61413	35	38	29	36	36	44	39
K07-1253	35	37	30	36	37	43	38
K08-5258	37	41	30	35	36	48	43
K08-5718	36	42	30	35	37	45	42
K08-6067	35	40	29	33	38	44	40
K08-6247	34	39	26	30	38	48	38
LD06-7609	36	43	33	31	37	46	39
LD06-7620	32	39	25	29	35	42	35
LD06-8970	36	39	29	35	38	45	38
LD07-3823	33	37	28	33	35	43	37
LS07-1343	35	40	31	33	37	44	38
LS07-1934	37	40	28	34	37	50	44
LS07-1942	39	43	34	36	41	50	46
LS07-2935	41	47	36	40	43	48	45
LS07-3125	38	44	33	36	38	47	41
LS07-3131	38	43	35	37	39	49	41
SS05-5632	39	43	34	38	40	49	44
SS05-5633	38	43	34	36	39	49	42
SS05-5646	39	44	35	38	40	48	42
SS06-5510	35	41	31	34	35	45	38
SS06-5658	35	40	29	35	35	45	39
SS06-6869	35	41	31	34	37	44	40
TN-05-3027	38	44	30	34	41	48	45

UNIFORM TEST IV, 2011

PLANT HEIGHT (inches)

Strain	Ottawa KS	Lexington KY	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH	Jackson TN
LD00-3309 (IV)	22	41	31	33	30	36	27
IA4005	24	35	26	34	26	33	27
LD00-2817P (L)	26	45	34	37	36	40	35
CL05-46330	23	43	29	35	30	36	28
CL05-61413	25	42	31	34	31	35	32
K07-1253	25	39	29	35	33	38	30
K08-5258	27	41	32	38	36	40	34
K08-5718	28	41	35	38	30	39	31
K08-6067	28	40	31	36	32	37	31
K08-6247	25	38	29	33	32	36	29
LD06-7609	24	42	30	35	31	41	30
LD06-7620	19	38	29	33	27	36	27
LD06-8970	26	43	33	37	34	40	31
LD07-3823	23	39	31	36	28	33	29
LS07-1343	25	43	28	33	34	39	31
LS07-1934	28	42	31	37	31	40	35
LS07-1942	30	45	34	37	36	44	36
LS07-2935	30	48	35	43	37	45	41
LS07-3125	24	46	32	40	36	39	31
LS07-3131	26	47	35	36	32	42	30
SS05-5632	28	42	33	40	37	42	37
SS05-5633	26	44	33	38	34	40	32
SS05-5646	26	47	32	36	36	45	38
SS06-5510	23	41	33	33	32	37	30
SS06-5658	25	44	31	36	32	37	32
SS06-6869	26	41	32	33	34	40	29
TN-05-3027	25	42	33	39	36	43	34

UNIFORM TEST IV, 2011

SEED QUALITY (score)

Strain	Mean 12 Tests	Harrisburg IL	Brownstown IL	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
LD00-3309 (IV)	1.9	1.0	1.0	1.0	1.5	2.0	2.0
IA4005	1.7	1.0	1.0	1.0	1.5	2.0	2.0
LD00-2817P (L)	2.2	1.0	1.0	2.0	2.0	2.0	2.0
CL05-46330	1.7	1.0	1.0	1.0	2.0	2.0	2.0
CL05-61413	2.3	2.0	1.0	1.0	2.0	2.0	3.0
K07-1253	2.1	1.0	1.0	1.0	1.5	3.0	3.0
K08-5258	2.0	2.0	1.0	1.0	2.0	2.0	2.0
K08-5718	1.8	2.0	1.0	1.0	2.0	2.0	2.0
K08-6067	2.1	1.0	1.0	1.0	3.0	2.0	2.0
K08-6247	2.2	2.0	1.0	1.0	2.5	2.0	2.0
LD06-7609	1.9	1.0	1.0	1.0	1.5	2.0	2.0
LD06-7620	2.1	1.0	1.0	1.0	1.5	2.0	2.0
LD06-8970	1.9	2.0	1.0	1.0	1.0	3.0	3.0
LD07-3823	2.0	1.0	1.0	1.0	2.5	2.0	2.0
LS07-1343	1.9	2.0	1.0	1.0	1.5	2.0	2.0
LS07-1934	1.8	1.0	1.0	1.0	2.0	2.0	2.0
LS07-1942	2.1	2.0	1.0	2.0	1.5	3.0	2.0
LS07-2935	1.9	2.0	1.0	2.0	3.0	2.0	2.0
LS07-3125	1.7	2.0	1.0	1.0	1.0	2.0	2.0
LS07-3131	1.8	2.0	1.0	2.0	1.5	2.0	2.0
SS05-5632	2.2	4.0	1.0	1.0	2.0	3.0	2.0
SS05-5633	2.0	3.0	1.0	1.0	1.5	3.0	2.0
SS05-5646	2.1	2.0	1.0	2.0	2.0	3.0	2.0
SS06-5510	1.9	2.0	1.0	1.0	1.0	2.0	2.0
SS06-5658	1.9	1.0	1.0	1.0	2.0	2.0	2.0
SS06-6869	1.7	2.0	1.0	1.0	1.5	2.0	2.0
TN-05-3027	1.9	2.0	1.0	1.0	2.0	2.0	2.0

UNIFORM TEST IV, 2011

SEED QUALITY (score)

Strain	Ottawa KS	Lexington KY	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH	Jackson TN
LD00-3309 (IV)	2.0	1.0		5.0	1.0	2.0	3.0
IA4005	2.0	1.0		4.0	2.0	1.3	1.7
LD00-2817P (L)	2.0	3.0		4.0	2.0	2.0	3.0
CL05-46330	2.0	1.0		4.0	2.0	1.0	1.7
CL05-61413	2.0	1.0		5.0	3.0	2.0	3.0
K07-1253	2.0	3.0		3.0	3.0	1.7	1.7
K08-5258	2.0	3.0		3.0	2.0	1.7	2.0
K08-5718	2.0	1.0		3.0	2.0	1.3	2.3
K08-6067	2.0	1.0		5.0	3.0	2.0	1.7
K08-6247	3.0	2.0		4.0	3.0	2.0	2.3
LD06-7609	1.0	3.0		4.0	2.0	1.7	2.3
LD06-7620	2.0	3.0		4.0	3.0	2.3	2.3
LD06-8970	2.0	1.0		2.0	2.0	1.7	3.0
LD07-3823	2.0	1.0		3.0	4.0	2.0	2.3
LS07-1343	2.0	2.0		2.0	3.0	2.0	2.3
LS07-1934	2.0	1.0		3.0	3.0	2.0	2.0
LS07-1942	2.0	2.0		3.0	3.0	1.7	2.3
LS07-2935	2.0	2.0		3.0	2.0	1.0	1.0
LS07-3125	2.0	1.0		3.0	2.0	1.3	1.7
LS07-3131	2.0	1.0		3.0	2.0	1.0	2.0
SS05-5632	1.0	2.0		3.0	3.0	1.7	2.3
SS05-5633	2.0	1.0		3.0	2.0	1.3	3.0
SS05-5646	2.0	2.0		3.0	2.0	1.7	2.7
SS06-5510	2.0	2.0		4.0	1.0	2.0	3.0
SS06-5658	2.0	2.0		4.0	1.0	2.0	2.3
SS06-6869	2.0	1.0		3.0	1.0	2.0	2.3
TN-05-3027	2.0	1.0		4.0	2.0	2.0	2.0

UNIFORM TEST IV, 2011

SEED SIZE (g/100)

Strain	Mean 12 Tests	Harrisburg IL	Brownstown IL	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
LD00-3309 (IV)	11.5	10.3	8.2	10.3	12.3	12.5	12.1
IA4005	13.1	13.0	9.7	10.8	14.3	13.5	13.5
LD00-2817P (L)	11.8	10.6	8.7	10.6	12.4	13.6	12.0
CL05-46330	13.3	12.0	9.5	11.4	14.6	14.4	13.2
CL05-61413	14.5	13.7	9.8	12.2	16.1	14.9	14.5
K07-1253	13.2	13.0	9.5	10.2	13.6	13.3	13.6
K08-5258	13.7	12.7	10.4	12.0	14.6	14.8	13.7
K08-5718	12.8	11.3	10.0	10.7	14.1	14.4	12.8
K08-6067	14.2	13.0	10.2	11.7	15.1	14.5	15.5
K08-6247	13.3	12.7	10.2	11.1	14.3	13.7	14.5
LD06-7609	12.9	12.3	10.6	10.9	14.4	13.5	13.3
LD06-7620	13.1	12.0	9.3	11.7	14.3	13.3	12.5
LD06-8970	12.6	12.0	9.2	11.5	13.3	15.2	12.7
LD07-3823	12.8	11.7	9.1	11.8	14.3	15.2	12.9
LS07-1343	13.6	12.3	10.7	11.4	14.5	14.6	15.2
LS07-1934	13.8	12.3	10.5	11.7	13.8	15.3	14.3
LS07-1942	13.9	13.0	11.1	12.4	13.7	15.5	15.0
LS07-2935	14.8	14.0	10.6	13.7	15.4	15.4	14.8
LS07-3125	12.4	12.0	9.6	11.5	11.9	13.1	12.6
LS07-3131	14.0	13.3	11.2	13.5	15.6	15.8	14.8
SS05-5632	15.3	14.7	12.2	14.1	15.2	17.1	16.4
SS05-5633	14.5	14.0	11.5	13.7	15.1	16.6	14.6
SS05-5646	13.9	13.7	9.5	12.3	14.7	16.7	14.6
SS06-5510	13.3	13.3	10.3	13.3	13.7	13.8	12.0
SS06-5658	13.8	13.3	10.6	13.2	14.1	14.8	14.2
SS06-6869	15.7	14.7	10.9	14.2	16.6	19.1	15.5
TN-05-3027	12.6	12.0	9.0	11.8	13.6	13.8	12.9

UNIFORM TEST IV, 2011

SEED SIZE (g/100)

Strain	Ottawa KS	Lexington KY	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH	Jackson TN
LD00-3309 (IV)	11.7	13.0		11.0	13.7	14.0	8.2
IA4005	13.0	15.0		12.8	16.0	15.7	9.6
LD00-2817P (L)	11.8	13.0		11.7	14.0	14.8	8.8
CL05-46330	12.5	17.0		13.0	15.5	16.1	11.0
CL05-61413	13.7	16.0		16.2	17.7	17.3	12.2
K07-1253	12.6	15.0		15.2	16.9	14.8	10.9
K08-5258	12.5	16.0		13.8	16.3	15.8	11.9
K08-5718	12.7	15.0		12.4	16.0	14.5	10.3
K08-6067	14.8	16.0		14.7	16.6	15.9	12.2
K08-6247	13.9	15.0		13.3	15.8	14.7	10.5
LD06-7609	12.3	15.0		11.9	15.3	15.7	9.8
LD06-7620	13.7	15.0		13.5	16.1	14.8	10.5
LD06-8970	11.7	14.0		13.0	14.2	14.0	10.1
LD07-3823	11.8	14.0		11.7	15.1	16.2	10.4
LS07-1343	12.9	14.0		14.8	16.4	15.3	10.9
LS07-1934	12.8	14.0		13.7	19.3	16.3	11.6
LS07-1942	12.6	15.0		13.9	17.4	16.0	11.5
LS07-2935	12.6	16.0		14.7	19.5	17.9	12.5
LS07-3125	11.6	15.0		12.7	15.1	14.0	9.9
LS07-3131	13.5	15.0		14.2	14.9	16.1	10.5
SS05-5632	14.6	16.0		16.2	18.2	17.4	11.3
SS05-5633	14.8	14.0		14.3	17.4	17.1	11.3
SS05-5646	12.4	16.0		14.2	16.6	15.0	10.8
SS06-5510	12.0	15.0		13.9	15.5	16.0	10.3
SS06-5658	12.6	16.0		12.0	18.2	16.5	10.6
SS06-6869	13.3	18.0		15.4	20.9	17.6	12.2
TN-05-3027	11.0	14.0		12.9	15.6	14.6	9.9

Preliminary Test IV, 2011

Ent.	Strain	Parentage	Seed Source	Gen. Comp.	Unique Traits
1	LD00-3309 (IV)	Maverick x Dwight	Diers	F5	SCN
2.	IA4005	IA3023 x IA3025	Fehr	F4	
3.	LD00-2817P (L)	Ina x Dwight	Diers	F5	SCN
4.	CS07-200932	N98-7165 x NE3001	Specht		
5.	CS07-201827	N98-7165 x NE3001	Specht		
6.	CS07-202315	N98-7165 x NE3001	Specht		
7.	K09-4157	KS4607 x LG05-1311	Schapaugh	F4	
8.	K08-6221	133515 x IA3024	Schapaugh	F4	
9.	K08-6236	133515 x IA3024	Schapaugh	F4	
10.	K09-1614	435.TCS x MD03-5453	Schapaugh	F4	
11.	K09-2475	LG05-3685 x 435.TCS	Schapaugh	F4	
12.	K09-4069	KS4607 x LG05-2887	Schapaugh	F4	
13.	LG08-4227	F6 X-33802 x LG01-4168	Nelson	F6	Diversity
14.	LG09-8515	F6 K1599 x LG02-3733	Nelson	F6	Diversity
15.	LG09-8526	F6 K1599 x LG02-3733	Nelson	F6	Diversity
16.	LG09-8542	F6 K1599 x LG02-3733	Nelson	F6	Diversity
17.	LG09-8595	F6 LG00-8301 x LN97-15076	Nelson	F6	Diversity
18.	LS08-3120	Garst b99-17498 x LS01-1158	Klein	F6	SCN
19.	LS08-4141	LS00-4221 x LS01-1804	Klein	F6	SCN
20.	LS08-4348	CRS3C8 x LS00-6996	Klein	F6	SCN
21.	LS08-4418	LS01-3450 x LS98-0582	Klein	F6	SCN
22.	LS08-4542	LS01-3450 x LS01-1734	Klein	F6	SCN
23.	LS08-4637	LS01-3450 x LS01-1734	Klein	F6	SCN
24.	LS08-5837	LS93-0375 x LS98-0582	Klein	F6	SCN
25.	LS08-4941	LS00-4221 x LS01-1158	Klein	F6	SCN
26.	LS08-5515	LS97-3617 x LS98-0582	Klein	F6	SCN
27.	S08-15072	F3:5 H2885 x LG00-8301	Shannon	F5	
28.	S09-10273	S04-10364 x LG03-3780	Shannon	F5	STS, Diversity
29.	S09-10300	S04-10364 x LG03-3780	Shannon	F5	STS, Diversity
30.	SS07-15994	SN98-3905 X SST01-1918	Clark	F5	
31.	SS07-16355	SST02-12792 X SS02-161523	Clark	F5	
32.	SS07-18091	SN98-3905 X SST01-1918	Clark	F5	
33.	SS08-3196	PATRIOT X SST01-1918	Clark	F5	
34.	SS08-3272	ST02-13025 X PATRIOT	Clark	F5	
35.	SS08-3273	ST02-13025 X PATRIOT	Clark	F5	
36.	SS08-3279	ST02-13025 X PATRIOT	Clark	F5	
37.	Md-08-5816	Md selection from LG05-2887	Kenworthy		Diversity
38.	Md-0809WN 101	Md selection from LG06-4526	Kenworthy		Diversity
39.	Md-0809WN 121	Md selection from LG06-4702	Kenworthy		Diversity

PRELIMINARY TEST IV, 2011

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Shattering Score Ashland KS
LD00-3309 (IV)	PTBIYBlI	1.0
IA4005	WTTDYBlI	1.0
LD00-2817P (L)	PGBDYIbI	1.0
CS07-200932	WGTIYBfD	1.0
CS07-201827	P+WGBIYIb+BfI	2.0
CS07-202315	WGTDYBfD	1.0
K09-4157	PT+GBDYBl+IbI	2.0
K08-6221	WGTDYBfI	2.0
K08-6236	P+WGBDYIb+YI	2.0
K09-1614	PTBDYBlI	2.0
K09-2475	PT+GBDYBl+Br+YI	2.0
K09-4069	PTBDYBlI	1.0
LG08-4227	PTBDYBlI	1.0
LG09-8515	PTBDYBlI	1.0
LG09-8526	PTBDYBlI	2.0
LG09-8542	PTBDYBlI	2.0
LG09-8595	WTBDYBlI	2.0
LS08-3120	PTTDYBrI	1.0
LS08-4141	PTBDYBlI	1.0
LS08-4348	PTBDYBlI	1.0
LS08-4418	WTTDYBlI	1.0
LS08-4542	WTBDYBlI	2.0
LS08-4637	WTBDYBlI	1.0
LS08-5837	WTTIYBlI	2.0
LS08-4941	PGTDYIbI	1.0
LS08-5515	WTTDYBlI	1.0
S08-15072	WGBDYLbfI	2.0
S09-10273	PLtTDYBlI	1.0
S09-10300	PLtTDYBlI	1.0
SS07-15994	WGBDYLbfI	1.0
SS07-16355	WGBDYYI	2.0
SS07-18091	WGBDYBfI	1.0
SS08-3196	P+WGTIYYI	1.0
SS08-3272	PGTDYGr+IbI	1.0
SS08-3273	WGTDYLbfI	2.0
SS08-3279	PGTDYIb+BfI	2.0
Md-08-5816	PGBDYIbI	2.0
Md-0809WN 100	WTBSYLblI	2.0
Md-0809WN 121	PLtBDYBlI	2.0

PRELIMINARY TEST IV, 2011

REGIONAL SUMMARY

Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Quality	Seed Size	Composition	
								Protein	Oil
No. of Tests	8	8	7	9	9	8	8	*	*
	bu/a	No.	Date	Score	IL.	Score	g/100	%	%
LD00-3309 (IV)	57.9	1	9/26	1.4	36	1.7	12.1		
IA4005	57.2	2	2.9	1.4	34	1.9	13.9		
LD00-2817P (L)	52.6	22	4.9	1.7	37	1.9	12.6		
CS07-200932	53.7	16	-0.6	1.3	28	1.9	13.3		
CS07-201827	52.6	22	0.7	1.6	36	2.9	16.3		
CS07-202315	43.8	39	0.7	1.1	28	2.7	17.2		
K09-4157	52.2	27	6.0	1.5	41	2.1	15.6		
K08-6221	55.6	5	0.9	1.5	36	2.3	14.5		
K08-6236	54.4	12	2.4	1.5	35	2.1	15.0		
K09-1614	49.5	36	1.6	1.8	36	2.0	17.1		
K09-2475	54.6	10	2.3	2.0	37	2.0	15.1		
K09-4069	50.1	35	5.4	1.5	35	2.1	15.1		
LG08-4227	50.9	32	-0.7	1.8	38	2.0	14.5		
LG09-8515	53.3	18	3.4	1.5	38	1.7	15.0		
LG09-8526	52.6	22	0.7	1.5	35	2.1	14.6		
LG09-8542	53.8	15	-0.1	1.4	36	1.9	12.7		
LG09-8595	55.0	7	5.0	1.6	36	2.1	15.6		
LS08-3120	54.5	11	3.4	1.6	37	1.8	13.5		
LS08-4141	51.4	31	5.0	2.1	37	2.5	15.5		
LS08-4348	53.7	16	5.1	1.6	38	1.9	14.2		
LS08-4418	50.2	34	3.4	1.5	40	1.8	13.8		
LS08-4542	48.3	37	1.9	1.5	39	2.1	14.2		
LS08-4637	51.8	29	4.6	2.6	40	2.1	14.9		
LS08-5837	56.2	4	4.7	1.7	39	1.9	14.3		
LS08-4941	52.7	20	3.6	2.0	41	2.3	14.1		
LS08-5515	51.9	28	5.7	1.9	40	1.9	12.2		
S08-15072	54.1	13	4.9	2.0	37	2.4	16.2		
S09-10273	52.7	20	7.4	1.6	35	2.3	14.1		
S09-10300	54.7	9	5.6	2.0	36	1.9	15.0		
SS07-15994	50.5	33	3.7	1.6	37	2.5	17.8		
SS07-16355	46.2	38	8.7	1.7	39	2.4	19.4		
SS07-18091	54.1	13	7.0	1.7	39	2.1	16.8		
SS08-3196	55.0	7	7.0	1.9	35	2.4	18.0		
SS08-3272	55.3	6	5.3	1.3	37	1.8	13.9		
SS08-3273	52.9	19	5.1	1.8	36	2.3	13.5		
SS08-3279	56.5	3	4.6	1.7	37	2.0	14.3		
Md-08-5816	51.8	29	0.1	1.7	36	1.9	15.5		
Md-0809WN 100	52.3	25	1.0	1.8	36	1.9	13.8		
Md-0809WN 121	52.3	25	2.1	1.8	37	1.9	14.9		

121.0 Days After Planting

* **Note:** Protein & Oil Analysis by USDA Peoria, IL lab was not completed at date of printing.

PRELIMINARY TEST IV, 2011

YIELD (bu/a)

Strain	Mean 8 Tests	Harrisburg IL	Urbana IL	Lafayette IN	Sepac* IN	Ashland KS	Manhattan KS	Queenstown MD	Columbia MO	Portageville (Clay) MO
LD00-3309 (IV)	57.9	65.0	47.0	53.8	50.5	61.0	59.0	56.5	44.5	76.3
IA4005	57.2	68.6	44.7	52.6	45.8	52.1	66.4	50.6	48.8	74.1
LD00-2817P (L)	52.6	51.8	35.6	46.2	41.6	59.8	54.5	55.1	50.9	66.7
CS07-200932	53.7	57.9	40.9	48.5	33.5	61.8	58.2	49.2	39.0	74.4
CS07-201827	52.6	58.6	38.2	44.6	51.1	56.6	64.4	47.9	48.1	62.5
CS07-202315	43.8	60.5	38.8	36.2	45.1	45.4	56.4	26.1	36.3	50.7
K09-4157	52.2	60.1	37.6	46.2	57.9	51.1	59.7	43.3	45.7	73.7
K08-6221	55.6	66.8	38.6	54.8	54.7	57.7	70.5	47.2	44.8	64.0
K08-6236	54.4	60.5	43.6	49.3	51.3	59.7	60.9	40.1	51.2	70.2
K09-1614	49.5	50.9	37.8	43.0	52.8	56.1	56.8	45.0	37.9	68.5
K09-2475	54.6	60.3	48.3	50.8	39.3	65.0	62.7	42.5	47.3	59.6
K09-4069	50.1	57.9	39.0	38.6	51.7	49.8	60.3	52.2	40.1	63.1
LG08-4227	50.9	58.8	38.9	39.8	38.5	53.5	50.3	40.7	46.7	78.7
LG09-8515	53.3	53.8	45.2	45.8	49.4	57.2	57.6	48.3	51.4	67.4
LG09-8526	52.6	53.4	40.1	44.8	49.2	66.9	56.9	49.8	49.7	59.0
LG09-8542	53.8	53.2	46.5	46.1	52.7	61.7	59.4	41.4	50.3	72.1
LG09-8595	55.0	56.3	45.7	48.4	60.5	50.7	60.8	50.3	49.0	78.9
LS08-3120	54.5	57.4	44.5	42.9	42.4	62.2	61.7	49.7	46.6	70.7
LS08-4141	51.4	50.7	42.7	48.3	56.6	44.2	55.0	52.8	46.1	71.5
LS08-4348	53.7	56.1	47.7	44.6	47.7	51.3	51.2	62.7	49.6	66.8
LS08-4418	50.2	56.2	45.8	37.4	45.5	51.1	51.3	55.0	48.6	56.1
LS08-4542	48.3	53.6	41.6	39.4	25.2	54.3	47.9	54.8	47.4	47.4
LS08-4637	51.8	52.1	47.6	41.7	41.0	51.2	52.6	57.8	46.5	65.1
LS08-5837	56.2	60.6	47.9	49.3	50.5	66.2	52.9	53.5	48.5	70.4
LS08-4941	52.7	49.5	44.4	42.4	49.6	65.5	52.0	54.7	47.1	66.2
LS08-5515	51.9	48.3	44.0	38.2	43.5	54.7	55.9	52.1	49.3	72.5
S08-15072	54.1	62.2	48.0	47.1	56.0	51.2	65.4	38.8	49.6	70.8
S09-10273	52.7	56.6	42.6	40.0	55.0	59.6	61.8	45.0	41.9	74.2
S09-10300	54.7	58.5	47.2	46.2	43.9	61.4	63.7	47.1	39.3	74.1
SS07-15994	50.5	53.5	45.4	33.1	46.3	52.0	57.6	44.3	44.3	74.2
SS07-16355	46.2	49.9	33.0	34.0	39.3	53.4	48.8	36.4	43.0	71.5
SS07-18091	54.1	52.7	40.4	35.5	43.0	66.8	58.2	47.6	50.3	81.4
SS08-3196	55.0	60.5	50.6	47.2	32.8	57.5	57.3	51.0	51.0	65.2
SS08-3272	55.3	62.1	43.6	51.3	35.3	52.6	54.0	55.3	54.0	69.7
SS08-3273	52.9	57.9	46.4	43.8	44.2	50.1	57.3	54.5	44.5	68.8
SS08-3279	56.5	62.1	48.4	44.8	46.4	55.5	62.4	56.5	50.7	71.9
Md-08-5816	51.8	57.8	35.8	41.6	57.8	58.6	53.1	46.6	47.3	73.9
Md-0809WN 100	52.3	56.4	50.1	40.7	49.7	51.0	43.8	49.8	51.5	75.3
Md-0809WN 121	52.3	59.6	38.5	44.1	48.8	48.7	59.4	52.0	48.5	67.4
Location Mean		57.1	43.1	44.2	46.8	56.0	57.4	48.8	46.9	68.8
C.V. (%)		6.0	11.2	9.4	18.8	7.4	4.9	10.8	8.2	9.1
L.S.D. (5%)		6.9	8.2	8.5	18.0	8.4	5.7	10.7	6.5	15.2
Row Sp. (IN.)		30	30	30	30	30	30	24	30	30
Rows/Plot		4	4	4	4	4	4	4	4	4
Reps		2	2	2	2	2	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST IV, 2011

YIELD RANK

Strain	Yield Rank	Harrisburg IL	Urbana IL	Lafayette IN	Sepac IN	Ashland KS	Manhattan KS	Queenstown MD	Columbia MO	Portageville (Clay) MO
LD00-3309 (IV)	1	3	10	2	13	10	16	3	30	4
IA4005	2	1	17	3	23	26	2	17	15	9
LD00-2817P (L)	22	34	38	13	31	11	28	6	6	28
CS07-200932	16	17	26	8	37	7	17	22	37	6
CS07-201827	22	15	34	20	12	18	4	24	19	34
CS07-202315	39	9	31	36	25	38	25	39	39	38
K09-4157	27	12	36	13	2	31	13	32	28	12
K08-6221	5	2	32	1	7	15	1	26	29	32
K08-6236	12	9	22	6	11	12	10	36	4	21
K09-1614	36	35	35	24	8	19	24	29	38	24
K09-2475	10	11	4	5	33	5	6	33	21	35
K09-4069	35	17	29	33	10	36	12	13	35	33
LG08-4227	32	14	30	31	35	23	36	35	24	3
LG09-8515	18	27	16	17	17	17	19	23	3	25
LG09-8526	22	30	28	18	18	1	23	19	10	36
LG09-8542	15	31	11	16	9	8	14	34	8	14
LG09-8595	7	24	14	9	1	34	11	18	14	2
LS08-3120	11	21	18	25	30	6	9	21	25	19
LS08-4141	31	36	23	10	4	39	27	12	27	16
LS08-4348	16	26	7	20	20	28	35	1	11	27
LS08-4418	34	25	13	35	24	31	34	7	16	37
LS08-4542	37	28	25	32	39	22	38	8	20	39
LS08-4637	29	33	8	27	32	29	32	2	26	31
LS08-5837	4	7	6	6	13	3	31	11	17	20
LS08-4941	20	38	19	26	16	4	33	9	23	29
LS08-5515	28	39	20	34	28	21	26	14	13	13
S08-15072	13	4	5	12	5	29	3	37	11	18
S09-10273	20	22	24	30	6	13	8	29	34	7
S09-10300	9	16	9	13	27	9	5	27	36	9
SS07-15994	33	29	15	39	22	27	19	31	32	7
SS07-16355	38	37	39	38	33	24	37	38	33	16
SS07-18091	13	32	27	37	29	2	17	25	8	1
SS08-3196	7	8	1	11	38	16	21	16	5	29
SS08-3272	6	5	21	4	36	25	29	5	1	22
SS08-3273	19	17	12	23	26	35	21	10	30	23
SS08-3279	3	5	3	18	21	20	7	3	7	15
Md-08-5816	29	20	37	28	3	14	30	28	21	11
Md-0809WN 100	25	23	2	29	15	33	39	19	2	5
Md-0809WN 121	25	13	33	22	19	37	14	15	17	25

PRELIMINARY TEST IV, 2011

MATURITY (date)

Strain	Mean 7 Tests	Harrisburg IL	Urbana IL	Lafayette IN	Sepac IN	Ashland KS	Manhattan KS	Queenstown MD	Columbia MO	Portageville (Clay) MO
LD00-3309 (IV)	9/26	9/23	9/26	10/6	10/3			10/6	10/1	9/3
IA4005	2.9	9	-2	3	2			2	2	4
LD00-2817P (L)	4.9	6	5	2	6			4	5	6
CS07-200932	-0.6	-2	-6	1	0			1	1	1
CS07-201827	0.7	4	-7	0	3			0	3	2
CS07-202315	0.7	6	-5	0	0			-2	3	3
K09-4157	6.0	13	6	3	3			4	9	4
K08-6221	0.9	4	-5	0	2			0	3	2
K08-6236	2.4	8	-2	1	3			-3	6	4
K09-1614	1.6	4	-1	1	3			-1	3	2
K09-2475	2.3	5	1	0	5			-2	5	2
K09-4069	5.4	12	6	2	4			2	6	6
LG08-4227	-0.7	-8	-2	0	3			1	2	-1
LG09-8515	3.4	10	2	0	2			1	6	3
LG09-8526	0.7	4	-2	-1	2			-3	4	1
LG09-8542	-0.1	3	-2	0	1			-4	1	0
LG09-8595	5.0	10	5	3	4			1	7	5
LS08-3120	3.4	7	2	2	6			1	4	2
LS08-4141	5.0	11	1	4	4			2	9	4
LS08-4348	5.1	10	8	3	3			1	7	4
LS08-4418	3.4	8	2	2	5			-1	6	2
LS08-4542	1.9	3	0	2	2			1	2	3
LS08-4637	4.6	11	5	0	7			1	4	4
LS08-5837	4.7	9	5	5	2			3	5	4
LS08-4941	3.6	10	1	-1	3			2	6	4
LS08-5515	5.7	10	7	0	8			0	9	6
S08-15072	4.9	12	6	0	6			-1	7	4
S09-10273	7.4	13	9	2	9			7	6	6
S09-10300	5.6	9	5	1	5			6	9	4
SS07-15994	3.7	11	2	-1	3			0	9	2
SS07-16355	8.7	15	14	1	8			8	7	8
SS07-18091	7.0	11	9	3	7			5	7	7
SS08-3196	7.0	11	9	4	8			6	7	4
SS08-3272	5.3	9	7	1	8			0	6	6
SS08-3273	5.1	12	7	2	7			2	1	5
SS08-3279	4.6	11	5	3	5			2	0	6
Md-08-5816	0.1	2	-4	-1	1			-1	2	2
Md-0809WN 100	1.0	-1	-2	0	3			0	5	2
Md-0809WN 121	2.1	-1	-1	2	2			3	8	2
Date Planted	5/28	5/31	5/13	5/17	6/8	6/1	6/8	5/31	5/26	6/1
Days to Mature	121	115	136	142	117			128	128	94

PRELIMINARY TEST IV, 2011

LODGING (score)

Strain	Mean 9 Tests	Harrisburg IL	Urbana IL	Lafayette IN	Sepac IN	Ashland KS	Manhattan KS	Queenstown MD	Columbia MO	Portageville (Clay) MO
LD00-3309 (IV)	1.4	1.0	1.0	1.0	1.0	1.5	2.0	2.3	1.0	2.0
IA4005	1.4	1.0	1.0	1.0	1.0	1.5	2.0	2.0	1.0	2.0
LD00-2817P (L)	1.7	1.0	1.0	1.0	1.0	2.0	2.0	2.5	2.0	3.0
CS07-200932	1.3	1.0	1.0	1.0	1.0	1.0	2.5	1.8	1.0	1.0
CS07-201827	1.6	3.0	1.0	1.3	1.3	1.0	2.0	2.0	1.0	2.0
CS07-202315	1.1	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0
K09-4157	1.5	2.0	1.0	1.0	1.3	1.0	2.0	2.3	1.0	2.0
K08-6221	1.5	2.0	1.0	1.0	1.0	1.5	2.0	2.3	1.0	2.0
K08-6236	1.5	2.0	1.0	1.0	1.0	1.5	2.0	2.0	1.0	2.0
K09-1614	1.8	2.0	1.3	1.0	1.3	1.5	2.0	3.3	2.0	2.0
K09-2475	2.0	2.0	1.5	1.3	1.0	2.0	3.0	3.3	2.0	2.0
K09-4069	1.5	2.0	1.3	1.0	1.0	1.0	2.0	2.0	1.0	2.0
LG08-4227	1.8	3.5	1.3	1.0	1.0	1.0	2.5	2.8	1.0	2.0
LG09-8515	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.3	1.0	2.0
LG09-8526	1.5	2.0	1.0	1.0	1.0	1.5	1.5	2.3	1.0	2.0
LG09-8542	1.4	1.5	1.0	1.0	1.0	1.5	2.0	2.0	1.0	2.0
LG09-8595	1.6	2.0	1.3	1.0	1.0	2.0	2.0	2.0	1.0	2.0
LS08-3120	1.6	1.5	1.5	1.0	1.3	1.0	2.5	2.8	1.0	2.0
LS08-4141	2.1	3.0	1.3	2.0	1.5	1.5	2.0	3.5	2.0	2.0
LS08-4348	1.6	2.0	1.3	1.3	1.3	1.5	2.0	2.8	1.0	1.0
LS08-4418	1.5	2.0	1.0	1.0	1.3	1.0	2.0	2.5	1.0	2.0
LS08-4542	1.5	2.0	1.0	1.0	1.0	1.0	2.0	2.5	1.0	2.0
LS08-4637	2.6	3.5	2.0	1.5	1.8	2.5	3.0	3.8	3.0	2.0
LS08-5837	1.7	2.0	1.3	1.3	1.0	2.0	2.0	3.0	1.0	2.0
LS08-4941	2.0	3.0	1.0	1.3	1.5	2.5	2.0	3.0	2.0	2.0
LS08-5515	1.9	2.0	1.3	1.8	1.5	2.0	2.0	3.3	1.0	2.0
S08-15072	2.0	2.5	1.5	1.3	1.3	2.0	2.0	2.3	3.0	2.0
S09-10273	1.6	2.0	1.5	1.3	1.0	1.5	2.0	2.3	1.0	2.0
S09-10300	2.0	2.0	1.8	1.3	1.5	2.5	2.0	3.3	2.0	2.0
SS07-15994	1.6	2.0	1.3	1.0	1.3	1.0	2.0	3.0	1.0	2.0
SS07-16355	1.7	2.5	1.0	1.0	1.8	1.5	2.0	2.8	1.0	2.0
SS07-18091	1.7	2.0	1.0	1.0	1.5	2.0	2.0	2.8	1.0	2.0
SS08-3196	1.9	3.0	1.5	1.8	1.5	1.5	2.0	3.0	1.0	2.0
SS08-3272	1.3	1.0	1.0	1.0	1.0	2.0	1.0	2.0	1.0	2.0
SS08-3273	1.8	3.0	1.3	1.0	1.5	1.0	2.0	3.5	1.0	2.0
SS08-3279	1.7	2.5	1.5	1.0	1.0	1.0	2.0	3.3	1.0	2.0
Md-08-5816	1.7	2.0	1.5	1.0	1.0	2.0	2.5	2.5	1.0	2.0
Md-0809WN 100	1.8	1.0	1.3	1.0	1.0	2.0	3.0	2.5	2.0	2.0
Md-0809WN 121	1.8	2.0	1.0	1.0	1.0	1.5	2.0	3.0	3.0	2.0

PRELIMINARY TEST IV, 2011

PLANT HEIGHT (Inches)

Strain	Mean 9 Tests	Harrisburg IL	Urbana IL	Lafayette IN	Sepac IN	Ashland KS	Manhattan KS	Queenstown MD	Columbia MO	Portageville (Clay) MO
LD00-3309 (IV)	36	41	34	38	25	46	40	30	31	39
IA4005	34	38	29	32	24	46	37	27	33	41
LD00-2817P (L)	37	45	35	37	26	49	43	31	35	32
CS07-200932	28	31	23	24	21	32	30	26	24	38
CS07-201827	36	44	31	38	31	47	43	29	30	34
CS07-202315	28	34	25	28	21	40	33	23	21	25
K09-4157	41	49	38	39	36	52	47	32	35	43
K08-6221	36	42	31	36	27	48	46	29	30	35
K08-6236	35	42	32	35	28	49	41	24	33	33
K09-1614	36	38	35	36	30	47	43	29	33	35
K09-2475	37	40	37	38	27	46	43	29	32	40
K09-4069	35	41	32	34	30	44	40	28	29	38
LG08-4227	38	44	36	41	28	48	44	30	34	38
LG09-8515	38	44	36	39	32	49	39	31	34	39
LG09-8526	35	41	32	36	31	48	39	29	32	30
LG09-8542	36	43	32	36	32	46	41	28	30	36
LG09-8595	36	38	34	37	30	45	41	30	33	35
LS08-3120	37	40	37	40	28	47	44	31	31	39
LS08-4141	37	38	36	40	29	45	43	31	34	35
LS08-4348	38	41	36	39	33	50	41	33	32	39
LS08-4418	40	43	40	40	31	50	42	36	35	43
LS08-4542	39	47	37	40	26	49	42	33	35	39
LS08-4637	40	50	39	41	29	50	45	34	34	40
LS08-5837	39	46	38	41	31	47	44	35	35	38
LS08-4941	41	49	40	41	33	50	49	35	31	41
LS08-5515	40	44	40	41	29	50	48	36	31	40
S08-15072	37	44	35	35	30	48	43	30	32	37
S09-10273	35	43	32	33	28	44	41	26	33	35
S09-10300	36	42	36	35	28	47	42	28	35	36
SS07-15994	37	42	36	35	30	48	44	32	33	33
SS07-16355	39	47	39	37	31	51	50	32	31	35
SS07-18091	39	46	40	36	29	50	49	31	33	41
SS08-3196	35	40	35	37	25	46	41	26	30	38
SS08-3272	37	43	37	36	27	46	39	35	33	40
SS08-3273	36	41	37	36	29	46	42	30	29	36
SS08-3279	37	44	38	38	27	50	40	29	31	40
Md-08-5816	36	43	32	35	32	43	38	30	33	36
Md-0809WN 100	36	42	32	37	27	44	37	29	37	37
Md-0809WN 121	37	42	34	36	28	49	45	28	34	38

PRELIMINARY TEST IV, 2011

SEED QUALITY (score)

Strain	Mean 8 Tests	Harrisburg IL	Urbana IL	Lafayette IN	Sepac IN	Ashland KS	Manhattan KS	Queenstown MD	Columbia MO	Portageville (Clay) MO
LD00-3309 (IV)	1.7	1.0	1.0	1.5	1.0	2.1	3.1	2.0		2.0
IA4005	1.9	2.0	1.0	2.0	1.0	2.0	2.0	2.0		3.0
LD00-2817P (L)	1.9	2.0	2.0	1.5	1.5	2.0	2.0	2.0		2.0
CS07-200932	1.9	1.0	1.0	1.5	1.5	3.0	3.0	2.5		2.0
CS07-201827	2.9	4.0	2.0	3.5	2.0	4.0	4.0	2.0		2.0
CS07-202315	2.7	3.0	2.0	3.0	2.0	4.0	2.0	2.5		3.0
K09-4157	2.1	2.0	2.0	2.0	1.5	2.0	2.0	2.0		3.0
K08-6221	2.3	3.0	1.0	2.0	1.5	3.0	3.0	2.5		2.0
K08-6236	2.1	3.0	1.0	2.0	1.0	2.0	3.0	1.5		3.0
K09-1614	2.0	2.0	2.0	3.0	1.5	2.0	2.0	1.5		2.0
K09-2475	2.0	2.0	1.0	2.0	1.0	3.0	3.0	2.0		2.0
K09-4069	2.1	3.0	1.0	2.5	1.5	3.0	2.0	1.0		3.0
LG08-4227	2.0	2.0	1.0	1.5	1.5	3.0	3.0	1.0		3.0
LG09-8515	1.7	2.0	1.0	1.0	1.0	2.0	2.0	1.5		3.0
LG09-8526	2.1	2.0	1.0	1.0	1.5	3.0	3.0	2.0		3.0
LG09-8542	1.9	3.0	1.0	1.5	1.5	2.0	2.0	1.5		3.0
LG09-8595	2.1	3.0	1.0	2.5	1.0	3.0	3.0	1.5		2.0
LS08-3120	1.8	2.0	1.0	1.5	1.0	2.0	3.0	2.0		2.0
LS08-4141	2.5	5.0	2.0	1.5	2.0	4.0	2.0	1.5		2.0
LS08-4348	1.9	2.0	1.0	2.5	1.5	2.0	2.0	1.0		3.0
LS08-4418	1.8	3.0	1.0	1.5	1.0	2.0	2.0	2.0		2.0
LS08-4542	2.1	2.0	1.0	2.0	1.0	3.0	3.0	2.0		3.0
LS08-4637	2.1	3.0	2.0	2.0	1.5	2.0	2.0	2.0		2.0
LS08-5837	1.9	3.0	1.0	1.0	1.0	2.0	2.0	2.0		3.0
LS08-4941	2.3	4.0	1.0	1.5	1.5	3.0	2.0	2.0		3.0
LS08-5515	1.9	3.0	1.0	1.0	1.0	4.0	2.0	1.5		2.0
S08-15072	2.4	3.0	2.0	2.0	1.0	3.0	3.0	3.0		2.0
S09-10273	2.3	2.0	2.0	1.5	1.5	2.0	2.0	4.0		3.0
S09-10300	1.9	1.0	2.0	1.5	1.5	3.0	2.0	2.0		2.0
SS07-15994	2.5	5.0	2.0	2.5	1.5	3.0	2.0	2.0		2.0
SS07-16355	2.4	3.0	2.0	1.5	1.0	3.0	2.0	4.0		3.0
SS07-18091	2.1	3.0	2.0	1.0	1.5	3.0	1.0	2.5		3.0
SS08-3196	2.4	3.0	1.0	1.5	1.5	4.0	2.0	4.0		2.0
SS08-3272	1.8	3.0	2.0	1.0	1.5	3.0	2.0	1.0		1.0
SS08-3273	2.3	5.0	2.0	1.5	1.0	3.0	2.0	2.0		2.0
SS08-3279	2.0	3.0	1.0	2.0	1.0	2.0	3.0	2.0		2.0
Md-08-5816	1.9	2.0	1.0	3.0	1.5	3.0	2.0	2.0		1.0
Md-0809WN 100	1.9	3.0	1.0	2.0	1.5	2.0	2.0	2.0		2.0
Md-0809WN 121	1.9	2.0	1.0	1.5	1.0	3.0	2.0	1.5		3.0

PRELIMINARY TEST IV, 2011

SEED SIZE (g/100)

Strain	Mean 8 Tests	Harrisburg IL	Urbana IL	Lafayette IN	Sepac IN	Ashland KS	Manhattan KS	Queenstown MD	Columbia MO	Portageville (Clay) MO
LD00-3309 (IV)	12.1	10.5	10.5	12.4	10.4	13.1	12.2	14.8		13.3
IA4005	13.9	12.5	11.0	14.0	11.7	15.0	15.0	15.8		16.4
LD00-2817P (L)	12.6	10.5	10.3	12.6	10.5	14.1	12.2	15.8		15.0
CS07-200932	13.3	12.0	11.7	13.4	9.9	14.5	14.5	15.9		14.4
CS07-201827	16.3	14.5	14.1	17.3	13.4	17.8	16.5	18.7		17.8
CS07-202315	17.2	16.5	14.4	16.6	14.6	18.0	19.3	16.5		21.8
K09-4157	15.6	14.5	13.1	14.1	13.8	17.6	16.9	17.0		17.6
K08-6221	14.5	13.0	12.7	15.0	12.4	15.9	15.0	15.7		16.2
K08-6236	15.0	13.5	13.9	15.4	12.1	17.2	15.4	15.8		16.8
K09-1614	17.1	15.0	13.8	17.6	15.1	17.4	17.2	19.2		21.2
K09-2475	15.1	14.0	13.3	14.9	11.9	17.3	16.7	15.5		17.4
K09-4069	15.1	14.0	12.4	13.3	13.1	17.2	15.3	17.0		18.3
LG08-4227	14.5	13.5	12.1	14.6	13.5	15.9	12.8	17.1		16.2
LG09-8515	15.0	14.0	12.3	14.3	13.1	17.3	15.3	16.6		17.4
LG09-8526	14.6	12.0	11.6	14.2	13.0	16.5	15.3	17.0		17.3
LG09-8542	12.7	10.5	11.0	13.0	11.6	14.8	13.9	14.2		12.5
LG09-8595	15.6	14.0	13.3	15.3	13.8	18.2	15.2	16.0		19.3
LS08-3120	13.5	12.0	12.1	13.3	12.1	14.2	14.2	14.6		15.3
LS08-4141	15.5	14.0	12.8	16.0	13.0	18.0	15.3	17.6		17.1
LS08-4348	14.2	13.5	12.6	13.7	12.1	15.6	13.7	15.6		16.5
LS08-4418	13.8	12.5	12.8	12.8	11.5	14.9	13.8	15.7		16.8
LS08-4542	14.2	12.0	11.3	13.5	12.3	15.8	15.1	16.0		17.9
LS08-4637	14.9	14.0	12.7	14.9	12.8	15.5	14.6	17.5		17.1
LS08-5837	14.3	13.0	12.9	14.2	12.2	15.3	13.3	16.9		16.5
LS08-4941	14.1	12.5	12.2	14.4	11.5	16.5	13.4	16.2		15.8
LS08-5515	12.2	11.5	10.9	11.0	10.4	13.4	12.6	13.4		14.8
S08-15072	16.2	14.0	14.8	15.4	13.9	18.8	16.8	18.0		18.3
S09-10273	14.1	12.5	12.9	13.4	12.0	15.7	13.7	14.3		18.1
S09-10300	15.0	12.5	13.4	14.2	13.2	16.6	15.1	16.0		18.7
SS07-15994	17.8	16.5	15.1	16.3	15.2	22.2	18.6	17.3		21.2
SS07-16355	19.4	18.0	20.4	18.0	14.8	23.1	19.9	17.1		24.2
SS07-18091	16.8	16.0	15.0	15.0	15.0	18.2	17.0	15.9		22.0
SS08-3196	18.0	16.5	16.0	17.6	14.9	20.4	16.5	19.8		22.0
SS08-3272	13.9	12.0	12.6	12.8	11.8	15.4	14.6	15.5		16.1
SS08-3273	13.5	12.5	11.6	13.2	10.7	15.5	13.4	14.8		16.3
SS08-3279	14.3	13.0	11.3	13.3	11.9	16.8	14.5	17.0		16.5
Md-08-5816	15.5	13.5	12.5	15.5	13.5	17.8	15.1	17.5		18.9
Md-0809WN 100	13.8	11.5	13.1	14.1	11.5	15.4	12.6	16.2		15.6
Md-0809WN 121	14.9	12.5	12.1	13.9	13.2	17.8	14.5	17.9		17.1

Uniform Test I Roundup-Ready, 2011

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1	SD1161RR/(SCN)	IA1008 x SD1081RR	Green	3		
2.	SD1111RR (E)	A97-771039 x SD1081RR	Green	4	F4	RR
3.	U03-820038 (SCN)	na	Graef	3		
4.	AG2002		Monsanto	4		
5.	M00-530039	MN1803RR x M96-136086	Orf	4	F5	Rps1
6.	M05R-601001	SD1151RR x RG200RR	Orf	new	F5	Rps1c
7.	M05R-615082	MN0904RR x OX99128	Orf	new	F5	Rps8?
8.	M06R-150044	MN1803RR x MN0401RR	Orf	new	F4	Rps1a, 1% Linolenic Acid
9.	M06R-152009	SD1091RR x M02-466298	Orf	new	F4	Rps1a, 1% Linolenic Acid
10.	U07-135601R	na	Graef	2	F4	RR, dt

UNIFORM TEST I Roundup-Ready, 2011

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Danvers MN	Shattering Score Manhattan KS	Green Stem Score Wanatah IN	SDS DX Manito IL
SD1161RR/(SCN)	WGBDYYI	2.8	2.0	1.0	7.0
SD1111RR (E)	PGBDYYI	3.5	3.0	1.0	.
U03-820038 (SCN)	PTTDYBlI	3.8	3.0	1.0	0.0
AG2002	PTBDYBlI	2.8	3.0	1.0	5.0
M00-530039	PLtTDYBrI	2.8	4.0	1.0	2.0
M05R-601001	PTBDYBlI	2.8	3.0	1.0	1.0
M05R-615082	PTTIYBlI	3.0	3.0	1.0	1.0
M06R-150044	PGBIYIb+BfI	1.8	3.0	1.0	1.0
M06R-152009	PGBDYIbI	3.8	3.0	1.0	0.0
U07-135601R	PGTDYIbD	3.3	1.0	1.0	2.0
Myc 5171 RR (sus)					9.0
Venus RR (res)					0.0
P.0.05					0.5
LSD					ns

UNIFORM TEST I Roundup-Ready, 2011

REGIONAL SUMMARY

					Plant	Seed	Seed	Composition	
	Yield	Rank	Maturity	Lodging	Height	Quality	Size	Protein	Oil
No. of Tests	8	8	8	7	7	7	9	2	2
Strain	bu/a	No.	Date	Score	In.	Score	g/100	%	%
SD1161RR/(SCN)	59.1	3	9/18	1.4	33	2.3	15.5	32.3	18.2
SD1111RR (E)	49.6	10	-7.4	1.6	32	2.1	15.3	31.5	19.4
U03-820038 (SCN)	56.6	5	4.3	1.2	25	1.8	14.8	33.8	18.6
AG2002	60.3	2	2.1	1.5	35	1.9	13.2	32.7	18.3
M00-530039	58.8	4	-4.6	1.6	31	1.6	17.2	33.0	19.0
M05R-601001	52.7	7	-1.8	1.9	35	2.0	16.4	33.6	18.8
M05R-615082	55.5	6	1.0	1.7	30	1.6	14.2	32.7	18.7
M06R-150044	50.9	8	-6.3	1.7	32	1.8	17.2	34.0	18.3
M06R-152009	50.2	9	-6.9	1.6	30	1.6	14.0	32.8	19.3
U07-135601R	63.5	1	5.3	1.4	29	1.6	15.3	33.0	18.3

121.4 Days After Planting

UNIFORM TEST I Roundup-Ready, 2011

2010-2011 2-YEAR MEAN

No. of Tests Strain	Yield 18 bu/a	Rank 18 No.	Maturity 16 Date	Lodging 16 Score	Plant Height 15 In.	Seed Quality 12 Score	Seed Size 19 g/100	Composition Protein 8 %	 Oil 8 %
SD1161RR/(SCN)	56.9	4	9/16	1.5	33	1.9	15.2	33.5	18.0
SD1111RR (E)	49.0	6	-6.9	1.6	33	1.7	14.7	32.9	19.0
U03-820038 (SCN)	53.7	5	2.7	1.2	27	1.4	14.3	34.1	18.2
AG2002	59.4	2	1.0	1.4	36	1.5	12.7	33.4	17.9
M00-530039	58.9	3	-4.3	1.5	31	1.6	16.7	33.7	18.4
U07-135601R	64.9	1	3.4	1.4	30	1.3	14.8	33.7	18.0

120.4 Days After Planting

2009-2011 3-YEAR MEAN

No. of Tests Strain	Yield 29 bu/a	Rank 29 No.	Maturity 26 Date	Lodging 26 Score	Plant Height 22 In.	Seed Size 20 g/100	Seed Quality 23 Score	Composition Protein 13 %	 Oil 13 %
SD1161RR/(SCN)	55.8	4	9/18	1.4	31	1.8	15.6	33.9	17.9
SD1111RR (E)	49.7	6	-6.5	1.5	31	1.6	14.9	33.2	18.9
U03-820038 (SCN)	54.4	5	1.7	1.2	27	1.4	14.7	34.3	18.2
AG2002	60.3	2	1.4	1.3	34	1.4	13.1	33.9	17.9
M00-530039	57.3	3	-4.4	1.4	30	1.5	16.9	34.0	18.3
U07-135601R	63.6	1	2.8	1.3	30	1.4	14.9	33.9	18.0

122.3 Days After Planting

UNIFORM TEST I Roundup-Ready, 2011

YIELD (bu/a)

Strain	Mean 8 Tests	Lafayette* IN	Wanatah IN	Ingham County MI	Saginaw* County MI	Lamberton MN	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	St. Hyacinthe Que.
SD1161RR/(SCN)	59.1	31.5	61.8	63.3	32.9	45.5	52.2	39.0	64.7	75.5	70.5
SD1111RR (E)	49.6	22.8	40.7	50.6	20.4	46.4	47.9	43.4	47.6	55.8	64.5
U03-820038 (SCN)	56.6	33.6	58.8	60.9	28.0	46.3	47.8	51.0	50.3	65.1	72.8
AG2002	60.3	38.7	56.3	67.8	47.7	49.3	52.1	49.6	62.7	71.6	72.8
M00-530039	58.8	32.6	51.6	60.6	30.3	49.8	43.6	50.4	65.2	77.6	71.5
M05R-601001	52.7	32.0	53.7	60.4	32.5	45.7	43.3	49.3	59.0	47.5	62.8
M05R-615082	55.5	28.5	50.1	61.6	23.7	48.4	42.2	47.7	71.6	63.7	59.0
M06R-150044	50.9	28.2	47.1	52.4	23.5	47.3	43.6	42.1	64.8	51.4	58.3
M06R-152009	50.2	19.3	51.2	47.1	15.0	43.4	48.2	41.4	54.4	51.7	64.0
U07-135601R	63.5	36.5	62.2	65.4	34.1	45.1	44.4	57.8	73.3	85.9	74.3
Location Mean		30.4	53.4	59.0	28.8	46.7	46.5	47.2	61.4	64.6	67.1
C.V. (%)		12.5	11.9	8.0	18.0	14.6	9.7	6.7	6.7	15.3	
L.S.D. (5%)		6.5	10.9	8.7	9.5	11.4	7.7	7.1	7.1	24.3	
Row Sp. (In.)		30	30	15	15	30	30	30	30	30	12.5
Rows/Plot		4	4	6	6	4	4	4	4	4	4
Reps		3	3	2	2	3	3	2	2	2	3

*Data not included in mean.

UNIFORM TEST I Roundup-Ready, 2011

YIELD RANK

Strain	Yield Rank	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	St. Hyacinthe Que.
SD1161RR/(SCN)	3	6	2	3	3	8	1	10	5	3	5
SD1111RR (E)	10	9	10	9	9	5	4	7	10	7	6
U03-820038 (SCN)	5	3	3	5	6	6	5	2	9	5	3
AG2002	2	1	4	1	1	2	2	4	6	4	2
M00-530039	4	4	6	6	5	1	7	3	3	2	4
M05R-601001	7	5	5	7	4	7	9	5	7	10	8
M05R-615082	6	7	8	4	7	3	10	6	2	6	9
M06R-150044	8	8	9	8	8	4	7	8	4	9	10
M06R-152009	9	10	7	10	10	10	3	9	8	8	7
U07-135601R	1	2	1	2	2	9	6	1	1	1	1

UNIFORM TEST I Roundup-Ready, 2011

MATURITY (date)

Strain	Mean 8 Tests	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	St. Hyacinthe Que.
SD1161RR/(SCN)	9/18	9/7	9/27		9/13	9/22	9/25	9/15		9/13	9/29
SD1111RR (E)	-7.4	-11	-12		-3	-4	-8	-9		-9	-3
U03-820038 (SCN)	4.3	1	2		1	4	6	11		10	-1
AG2002	2.1	6	1		2	3	2	1		1	1
M00-530039	-4.6	-6	-6		-3	1	-5	-9		-5	-4
M05R-601001	-1.8	-2	-5		-2	-2	-4	3		1	-3
M05R-615082	1.0	1	-1		0	3	4	3		0	-2
M06R-150044	-6.3	-8	-12		-3	-4	-9	-4		-7	-3
M06R-152009	-6.9	-10	-14		-3	-8	-11	-4		6	-11
U07-135601R	5.3	2	3		3	6	8	13		6	1
Date Planted	5/20	5/17	6/7	6/5	5/11	5/11	5/19	5/9	6/3	5/17	5/13
Days to Mature	121	113	112	100		134	129	129		119	139

UNIFORM TEST I Roundup-Ready, 2011

LODGING (score)

Strain	Mean 7 Tests	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	St. Hyacinthe Que.
SD1161RR/(SCN)	1.4	1.0	1.0	2.5	1.0	1.3	2.0				1.0
SD1111RR (E)	1.6	1.0	1.0	2.5	1.0	1.3	2.0				2.3
U03-820038 (SCN)	1.2	1.0	1.0	2.0	1.0	1.0	1.0				1.7
AG2002	1.5	1.0	1.0	2.0	1.0	1.7	2.0				2.0
M00-530039	1.6	1.0	1.0	3.0	1.0	1.7	2.0				1.7
M05R-601001	1.9	1.0	1.0	3.0	1.0	2.0	2.7				2.7
M05R-615082	1.7	1.0	1.0	2.5	1.0	1.3	2.0				3.3
M06R-150044	1.7	1.0	1.0	3.0	1.0	1.0	2.0				2.7
M06R-152009	1.6	1.0	1.0	3.0	1.0	1.0	2.0				2.3
U07-135601R	1.4	1.0	1.0	2.0	1.0	1.7	1.3				2.0

UNIFORM TEST I Roundup-Ready, 2011

PLANT HEIGHT (inches)

Strain	Mean 7 Tests	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	St. Hyacinthe Que.
SD1161RR/(SCN)	33	23	33	43	20	39	39				35
SD1111RR (E)	32	24	31	44	21	35	35				35
U03-820038 (SCN)	25	23	23	35	20	21	25				30
AG2002	35	30	32	42	28	37	40				39
M00-530039	31	24	31	42	21	31	34				33
M05R-601001	35	25	34	49	25	36	40				37
M05R-615082	30	23	29	38	21	32	38				31
M06R-150044	32	25	32	44	19	34	38				34
M06R-152009	30	21	31	41	17	32	38				31
U07-135601R	29	21	29	39	21	28	31				33

UNIFORM TEST I Roundup-Ready, 2011

SEED QUALITY (score)

Strain	Mean 7 Tests	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	St. Hyacinthe Que.
SD1161RR/(SCN)	2.3	2.5	1.5			2.0	1.0	2.0		2.0	5.0
SD1111RR (E)	2.1	2.5	1.0			2.0	1.0	1.0		2.0	5.0
U03-820038 (SCN)	1.8	2.0	1.0			2.0	1.0	1.0		1.0	4.3
AG2002	1.9	3.0	1.0			1.0	2.0	1.0		1.0	4.3
M00-530039	1.6	2.5	1.0			2.0	1.0	1.0		1.0	3.0
M05R-601001	2.0	3.5	1.5			2.0	1.0	1.0		1.0	4.0
M05R-615082	1.6	2.5	1.5			1.0	1.0	1.0		1.0	3.3
M06R-150044	1.8	3.0	1.5			1.0	1.0	1.0		1.0	4.0
M06R-152009	1.6	2.5	1.0			1.0	1.0	1.0		1.0	4.0
U07-135601R	1.6	2.0	1.0			2.0	1.0	1.0		1.0	3.0

UNIFORM TEST I Roundup-Ready, 2011

SEED SIZE (g/100)

Strain	Mean 9 Tests	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	St. Hyacinthe Que.
SD1161RR/(SCN)	15.5	13.8	13.7	18.6	18.4	13.8	13.5	14.7		15.2	18.3
SD1111RR (E)	15.3	12.3	11.8	18.5	17.3	15.2	14.6	14.0		15.9	17.9
U03-820038 (SCN)	14.8	11.8	13.2	17.6	15.0	13.3	15.2	14.5		15.3	17.1
AG2002	13.2	11.3	11.9	16.6	14.4	10.8	12.2	12.6		12.8	16.0
M00-530039	17.2	14.3	14.8	20.5	17.8	15.8	14.9	16.7		19.7	20.6
M05R-601001	16.4	14.3	14.8	19.4	16.3	14.9	14.9	16.8		16.7	19.3
M05R-615082	14.2	13.0	11.4	16.0	15.1	12.6	11.8	15.4		14.9	17.5
M06R-150044	17.2	14.8	14.8	20.2	18.0	16.2	15.2	17.8		18.6	19.7
M06R-152009	14.0	11.9	12.2	15.9	15.0	13.0	12.4	14.3		15.4	16.1
U07-135601R	15.3	13.0	14.4	18.1	16.4	13.9	13.3	15.4		16.0	17.4

UNIFORM TEST I Roundup-Ready, 2011

PROTEIN (%)

Strain	Mean 2 Tests	Lamberton MN	Waseca MN	MI	NE	Wanatah IN
SD1161RR/(SCN)	32.3	32.5	32.1			
SD1111RR (E)	31.5	31.6	31.3			
U03-820038 (SCN)	33.8	34.1	33.5			
AG2002	32.7	33.1	32.2			
M00-530039	33.0	33.7	32.2			
M05R-601001	33.6	33.8	33.4			
M05R-615082	32.7	33.1	32.3			
M06R-150044	34.0	34.4	33.5			
M06R-152009	32.8	33.7	31.9			
U07-135601R	33.0	33.1	32.8			

* Protein and Oil values converted to 13% moisture basis.

UNIFORM TEST I Roundup-Ready, 2011

OIL (%)

Strain	Mean 2 Tests	Lamberton MN	Waseca MN	MI	NE	Wanatah IN
SD1161RR/(SCN)	18.2	18.3	18.1			
SD1111RR (E)	19.4	19.6	19.2			
U03-820038 (SCN)	18.6	18.7	18.4			
AG2002	18.3	18.2	18.3			
M00-530039	19.0	19.0	19.0			
M05R-601001	18.8	19.0	18.5			
M05R-615082	18.7	19.0	18.3			
M06R-150044	18.3	18.3	18.2			
M06R-152009	19.3	19.2	19.3			
U07-135601R	18.3	18.5	18.1			

Uniform Test II Roundup-Ready, 2011

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1	AG2403 (II)	na	Monsanto	6		
2.	AG2002	na	Monsanto	4		
3.	AG2606	na	Monsanto	1		
4.	NEX2905A0R (L)	na	Graef	6		Det.
5.	U06-814223R	na	Graef	1	F5	RR,Dt
6.	U07-135636R	na	Graef	2	F4	RR, SCN?, dt
7.	U07-236940R	NEX2403K2R x U03-130145R	Graef	1	F5	RR,SCN?

UNIFORM TEST II Roundup-Ready, 2011

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Shattering Score Manhattan KS	Chlorosis Score Danvers MN	Green Stem Score Wanatah IN	SDS DX Manito IL
AG2403 (II)	PTTDYBlI	1.0	3.3	1.0	39
AG2002	PTBDYBlI	3.0	3.3	1.0	1
AG2606	PGBDYIbI	1.0	4.3	1.0	8
NEX2905A0R (L)	PGBDYIbD	2.0	4.3	1.0	14
U06-814223R	WTTDYBlD	3.0	4.3	1.0	17
U07-135636R	WTTDYBlI	3.0	3.0	1.0	58
U07-236940R	PTTDYBlI	4.0	2.5	1.0	58
K-233+RR (res)					15
LD03-23508R (sus)					28
2900CR(sus)					31
LD06-50113R					6
LD06-30504Ra(res)					22
P>0.05					0.0001
LSD					16

UNIFORM TEST II Roundup-Ready, 2011

REGIONAL SUMMARY

No. of Tests Strain	Yield 10 bu/a	Rank 10 No.	Maturity 8 Date	Lodging 7 Score	Plant Height 7 In.	Seed Quality 7 Score	Seed Size 9 g/100	Composition Protein 2 %	 Oil 2 %
AG2403 (II)	57.4	4	9/24	1.3	32	1.5	15.2	31.6	18.7
AG2002	55.0	7	-3.1	1.5	36	1.1	12.8	32.2	18.6
AG2606	56.8	6	4.0	1.3	37	1.0	14.0	34.9	16.6
NEX2905A0R (L)	57.3	5	10.0	1.6	35	1.0	12.8	33.2	16.7
U06-814223R	60.7	1	0.4	1.5	31	1.3	14.3	32.0	18.7
U07-135636R	58.6	2	4.0	1.8	42	1.7	15.7	31.9	18.5
U07-236940R	58.2	3	3.1	1.6	34	1.6	13.9	32.8	17.6

124.3 Days After Planting

UNIFORM TEST II Roundup-Ready, 2011

2010-2011 2-YEAR MEAN

No. of Tests Strain	Yield 20 bu/a	Rank 20 No.	Maturity 16 Date	Lodging 16 Score	Plant Height 15 In.	Seed Quality 13 Score	Seed Size 19 g/100	Composition Protein 9 %	 Oil 9 %
AG2403 (II)	60.9	4	9/20	1.3	32	1.4	14.9	32.5	18.5
AG2002	58.0	7	-3.2	1.4	36	1.0	12.2	33.0	18.2
AG2606	59.9	6	4.0	1.3	37	1.0	13.4	35.1	16.6
NEX2905A0R (L)	60.2	5	9.3	1.5	37	1.0	12.1	33.3	17.3
U06-814223R	63.2	1	0.7	1.4	31	1.3	13.5	32.8	18.4
U07-135636R	61.8	3	4.2	1.6	42	1.5	14.8	32.8	18.6
U07-236940R	62.0	2	3.0	1.4	34	1.4	13.3	33.0	17.7

120.1 Days After Planting

2009-2011 3-YEAR MEAN

No. of Tests Strain	Yield 30 bu/a	Rank 30 No.	Maturity 24 Date	Lodging 25 Score	Plant Height 22 In.	Seed Size 18 g/100	Seed Quality 27 Score	Composition Protein 15 %	 Oil 15 %
AG2403 (II)	60.5	3	9/20	1.2	32	1.4	15.7	33.1	18.2
AG2002	58.7	4	-2.5	1.3	35	1.2	13.0	33.6	18.0
NEX2905A0R (L)	61.7	2	8.9	1.5	36	1.2	12.8	33.7	17.4
U07-135636R	63.1	1	4.1	1.6	40	1.6	15.7	33.1	18.4

120.9 Days After Planting

UNIFORM TEST II Roundup-Ready, 2011

YIELD (bu/a)

Strain	Mean 10 Tests	Urbana Il	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI	Lamberton MN	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE
AG2403 (II)	57.4	44.5	41.9	58.8	59.6	57.7	51.2	44.0	52.5	73.0	90.8
AG2002	55.0	50.9	30.7	57.8	60.3	53.5	51.1	46.7	50.6	63.8	85.0
AG2606	56.8	58.7	39.4	63.8	52.7	57.7	49.0	35.1	53.2	67.2	91.7
NEX2905A0R (L)	57.3	62.9	45.0	61.6	57.8	56.5	48.6	32.8	47.2	72.1	88.1
U06-814223R	60.7	57.1	41.4	62.0	62.9	63.3	53.9	53.1	56.3	73.8	83.0
U07-135636R	58.6	52.9	48.3	70.4	60.6	61.8	42.3	37.9	52.6	72.6	86.7
U07-236940R	58.2	57.7	39.7	62.1	65.3	58.4	53.3	35.0	57.0	68.7	84.8
Location Mean		55.0	40.9	62.4	59.9	58.4	49.9	40.7	52.8	70.2	87.2
C.V. (%)		13.1	8.5	9.0	5.9	5.2	12.8	9.4	5.1	5.1	7.1
L.S.D. (5%)		14.0	6.2	9.9	6.9	6.0	11.2	6.6	6.6	8.2	17.0
Row Sp. (In.)		30	30	30	15	15	30	30	30	30	30
Rows/Plot		4	4	4	6	6	4	4	4	4	4
Reps		2	3	3	2	2	3	3	2	2	2

*Data not included in mean.

UNIFORM TEST II Roundup-Ready, 2011

YIELD RANK

Strain	Yield Rank	Urbana Il	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI	Lamberton MN	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE
AG2403 (II)	4	7	3	6	5	4	3	3	5	2	2
AG2002	7	6	7	7	4	7	4	2	6	7	5
AG2606	6	2	6	2	7	5	5	5	3	6	1
NEX2905A0R (L)	5	1	2	5	6	6	6	7	7	4	3
U06-814223R	1	4	4	4	2	1	1	1	2	1	7
U07-135636R	2	5	1	1	3	2	7	4	4	3	4
U07-236940R	3	3	5	3	1	3	2	6	1	5	6

UNIFORM TEST II Roundup-Ready, 2011

MATURITY (date)

Strain	Mean 8 Tests	Urbana Il	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI	Lamberton MN	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE
AG2403 (II)	9/24	9/16	9/14	10/3		10/1	9/29	10/2	9/22		9/18
AG2002	-3.1	-6	-3	-4		-2	-4	-2	-3		-1
AG2606	4.0	5	7	0		4	2	5	3		6
NEX2905A0R (L)	10.0	18	15	4		9	7	8	8		11
U06-814223R	0.4	0	-1	0		0	0	0	1		3
U07-135636R	4.0	2	5	1		8	3	3	1		9
U07-236940R	3.1	8	4	1		4	1	1	-1		7
Date Planted	5/23	5/13	5/17	6/7	6/5	6/6	5/11	5/19	5/9	6/3	5/17
Days to Mature	124	126	120	118		117	141	136	136		124

UNIFORM TEST II Roundup-Ready, 2011

LODGING (score)

Strain	Mean 7 Tests	Urbana Il	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI	Lamberton MN	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE
AG2403 (II)	1.3	1.3	1.0	1.0	1.0	1.0	1.7	2.0			
AG2002	1.5	1.3	1.0	1.0	2.0	2.0	1.3	2.0			
AG2606	1.3	1.0	1.0	1.0	1.0	1.5	1.3	2.0			
NEX2905A0R (L)	1.6	1.0	1.0	1.0	1.5	2.5	2.0	2.3			
U06-814223R	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.0			
U07-135636R	1.8	2.0	1.0	1.0	1.5	3.0	2.0	2.0			
U07-236940R	1.6	1.3	1.0	1.0	2.0	2.0	2.0	2.0			

UNIFORM TEST II Roundup-Ready, 2011

PLANT HEIGHT (inches)

Strain	Mean 7 Tests	Urbana Il	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI	Lamberton MN	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE
AG2403 (II)	32	30	27	30	36	34	34	35			
AG2002	36	34	28	34	39	38	38	38			
AG2606	37	37	31	35	39	41	38	40			
NEX2905A0R (L)	35	33	27	34	42	40	33	38			
U06-814223R	31	27	22	30	36	37	31	32			
U07-135636R	42	40	34	42	45	44	44	48			
U07-236940R	34	31	27	32	39	36	35	37			

UNIFORM TEST II Roundup-Ready, 2011

SEED QUALITY (score)

Strain	Mean 7 Tests	Urbana Il	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI	Lamberton MN	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE
AG2403 (II)	1.5	2.0	2.0	1.5			1.0	2.0		1.0	1.0
AG2002	1.1	1.0	1.5	1.0			1.0	1.0		1.0	1.0
AG2606	1.0	1.0	1.0	1.0			1.0	1.0		1.0	1.0
NEX2905A0R (L)	1.0	1.0	1.0	1.0			1.0	1.0		1.0	1.0
U06-814223R	1.3	1.0	1.5	1.5			2.0	1.0		1.0	1.0
U07-135636R	1.7	2.0	2.0	2.0			2.0	2.0		1.0	1.0
U07-236940R	1.6	2.0	1.5	1.5			2.0	2.0		1.0	1.0

UNIFORM TEST II Roundup-Ready, 2011

SEED SIZE (g/100)

Strain	Mean 9 Tests	Urbana Il	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI	Lamberton MN	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE
AG2403 (II)	15.2	14.4	12.1	14.9	18.5	16.8	13.3	13.9		15.6	17.3
AG2002	12.8	11.7	10.4	12.1	16.2	14.7	12.3	11.4		12.5	13.9
AG2606	14.0	11.4	13.2	15.1	16.5	15.9	12.2	11.9		15.1	14.9
NEX2905A0R (L)	12.8	12.6	11.3	12.8	14.9	14.6	10.6	10.3		13.8	14.7
U06-814223R	14.3	13.9	11.5	14.1	16.5	14.5	13.8	12.8		15.6	16.5
U07-135636R	15.7	15.7	14.1	15.7	18.3	17.3	14.0	12.5		16.5	17.3
U07-236940R	13.9	13.7	12.7	14.6	16.7	14.4	11.8	10.9		15.3	15.0

UNIFORM TEST II Roundup-Ready, 2011

PROTEIN (%)

Strain	Mean 2 Tests	IL	Lamberton MN	Waseca MN	Wanatah IN	MI	NE
AG2403 (II)	31.6		31.2	32.0			
AG2002	32.2		31.6	32.7			
AG2606	34.9		34.8	35.0			
NEX2905A0R (L)	33.2		32.7	33.6			
U06-814223R	32.0		32.4	31.6			
U07-135636R	31.9		32.0	31.8			
U07-236940R	32.8		32.9	32.7			

* Protein and Oil values converted to 13% moisture basis.

UNIFORM TEST II Roundup-Ready, 2011

OIL (%)

Strain	Mean 2 Tests	IL	Lamberton MN	Waseca MN	Wanatah IN	MI	NE
AG2403 (II)	18.7		19.0	18.4			
AG2002	18.6		18.7	18.5			
AG2606	16.6		16.4	16.7			
NEX2905A0R (L)	16.7		16.7	16.6			
U06-814223R	18.7		18.7	18.7			
U07-135636R	18.5		18.7	18.3			
U07-236940R	17.6		17.6	17.6			

Uniform Test III Roundup-Ready, 2011

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1	U03-827101 (SCN)	na	Monsanto	3		RR, SCN
2.	NEX2905A0R (E)	na	Graef	4		Det.
3.	AG3504	na	Monsanto	3		
4.	AG3803	na	Monsanto	2		RR, SCN
5.	K08-2509 RR	CRS3C8 x KS3406RR	Schapaugh	1	F4	LOW PHYTATE
6.	K08-2528 RR	CRS3C8 x KS3406RR	Schapaugh	1	F4	
7.	S08-8467	S04-5969RR x SG 4460NRR	Shannon	PTIVRR	F5	SCN,RR
8.	U05-826080R	na	Graef	1		RR, Rps?
9.	U08-926022R	na	Graef	1	F5	RR,SCN?

UNIFORM TEST III Roundup-Ready, 2011

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Green Stem Score Wanatah IN	Shattering Score Ashland KS
U03-827101 (SCN)	WTBDYBlI	1.0	2.0
NEX2905A0R (E)	PGBDYIbD	1.0	2.0
AG3504	PGBDYIbI	1.0	2.0
AG3803	PGBDYIbI	1.0	1.0
K08-2509 RR	WTTDYBlI	1.0	1.0
K08-2528 RR	P+WTBDYBrI	1.0	3.0
S08-8467	PLtTSYBlI	1.0	1.0
U05-826080R	PGTDYIbI	1.0	1.0
U08-926022R	PTTDYBlI	1.0	1.0

UNIFORM TEST III Roundup-Ready, 2011

REGIONAL SUMMARY

No. of Tests Strain	Yield 9 bu/a	Rank 9 No.	Maturity 6 Date	Lodging 7 Score	Plant Height 7 In.	Seed Quality 9 Score	Seed Size 9 g/100	Composition Protein * %	 Oil * %
U03-827101 (SCN)	61.5	2	10/1	1.3	34	1.9	15.4		
NEX2905A0R (E)	58.2	8	-6.2	1.1	28	2.1	13.1		
AG3504	61.9	1	-2.8	1.3	35	1.8	14.2		
AG3803	61.2	3	1.0	1.4	37	1.6	14.8		
K08-2509 RR	60.9	4	1.5	1.1	37	1.6	14.7		
K08-2528 RR	60.2	5	1.0	1.3	38	1.6	14.9		
S08-8467	53.9	9	2.2	1.4	37	1.4	12.4		
U05-826080R	58.5	7	-1.3	1.1	34	1.7	15.3		
U08-926022R	60.0	6	0.7	1.5	36	1.8	15.7		

129.4 Days After Planting

UNIFORM TEST III Roundup-Ready, 2011

2010-2011 2-YEAR MEAN

No. of Tests Strain	Yield 19 bu/a	Rank 19 No.	Maturity 14 Date	Lodging 15 Score	Plant Height 15 In.	Seed Quality 17 Score	Seed Size 19 g/100	Composition Protein * %	 Oil * %
U03-827101 (SCN)	59.5	6	9/28	1.2	34	1.8	14.6		
NEX2905A0R (E)	56.7	8	-6.2	1.1	29	2.0	12.3		
AG3504	61.7	2	-2.9	1.4	37	1.8	13.5		
AG3803	62.1	1	1.6	1.5	37	1.6	14.5		
K08-2509 RR	61.0	3	2.2	1.4	38	1.7	14.4		
K08-2528 RR	59.8	5	1.7	1.4	39	1.7	14.5		
U05-826080R	58.5	7	-1.4	1.1	35	1.7	14.7		
U08-926022R	60.4	4	0.7	1.6	37	1.9	15.0		

126.6 Days After Planting

* **Note:** Protein & Oil Analysis by USDA Peoria, IL lab was not completed at date of printing.

UNIFORM TEST III Roundup-Ready, 2011

YIELD (bu/a)

Strain	Mean 9 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa* KS
U03-827101 (SCN)	61.5	62.2	45.7	71.4	60.9	23.1
NEX2905A0R (E)	58.2	56.7	43.4	67.0	57.5	16.5
AG3504	61.9	61.0	45.2	68.8	65.3	24.3
AG3803	61.2	66.5	40.0	65.5	61.5	23.1
K08-2509 RR	60.9	54.9	46.1	62.0	58.4	23.1
K08-2528 RR	60.2	57.8	44.3	58.1	63.1	21.5
S08-8467	53.9	55.7	32.4	55.6	61.0	22.8
U05-826080R	58.5	60.8	38.8	62.9	60.8	21.0
U08-926022R	60.0	63.6	43.7	57.8	63.1	26.0
Location Mean		59.9	42.2	63.2	61.3	22.4
C.V. (%)		3.7	11.7	5.2	9.9	8.9
L.S.D. (5%)		4.1	8.5	5.7	10.5	3.4
Row Sp. (in.)		30	30	30	30	30
Rows/Plot		4	4	4	4	4
Reps		2	3	3	3	3

*Data not included in mean.

UNIFORM TEST III Roundup-Ready, 2011

YIELD RANK

Strain	Yield Rank	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
U03-827101 (SCN)	2	3	2	1	6	3
NEX2905A0R (E)	8	7	6	3	9	9
AG3504	1	4	3	2	1	2
AG3803	3	1	7	4	4	3
K08-2509 RR	4	9	1	6	8	3
K08-2528 RR	5	6	4	7	2	7
S08-8467	9	8	9	9	5	6
U05-826080R	7	5	8	5	7	8
U08-926022R	6	2	5	8	2	1

UNIFORM TEST III Roundup-Ready, 2011

YIELD (bu/a)

Strain	Portageville (Clay) MO	Portageville (Loam) MO	Clay Center NE	Lincoln NE	Phillips NE
U03-827101 (SCN)	52.2	39.9	72.8	72.6	76.1
NEX2905A0R (E)	37.4	28.6	74.1	68.8	90.0
AG3504	56.2	32.5	70.5	72.3	85.5
AG3803	56.7	38.5	71.9	71.2	79.3
K08-2509 RR	58.7	38.3	74.0	73.5	82.1
K08-2528 RR	64.1	36.4	71.6	74.5	71.6
S08-8467	55.5	42.6	63.4	61.4	57.3
U05-826080R	50.4	31.8	72.6	72.3	75.7
U08-926022R	56.2	39.9	68.8	71.4	75.6
Location Mean	54.2	36.5	71.1	70.9	77.0
C.V. (%)	12.4	12.5	4.9	6.3	10.0
L.S.D. (5%)	14.1	9.6	8.0	10.3	18.1
Row Sp. (in.)	30	30	30	30	30
Rows/Plot	4	4	4	4	4
Reps	3	3	2	2	2

UNIFORM TEST III Roundup-Ready, 2011

YIELD RANK

Strain	Portageville (Clay) MO	Portageville (Loam) MO	Clay Center NE	Lincoln NE	Phillips NE
U03-827101 (SCN)	7	2	3	3	5
NEX2905A0R (E)	9	9	1	8	1
AG3504	4	7	7	4	2
AG3803	3	4	5	7	4
K08-2509 RR	2	5	2	2	3
K08-2528 RR	1	6	6	1	8
S08-8467	6	1	9	9	9
U05-826080R	8	8	4	4	6
U08-926022R	4	2	8	6	7

UNIFORM TEST III Roundup-Ready, 2011

MATURITY (date)

Strain	Mean 6 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
U03-827101 (SCN)	10/1	10/8	10/5	10/12		
NEX2905A0R (E)	-6.2	-6	-5	-5		
AG3504	-2.8	0	-2	1		
AG3803	1.0	1	1	3		
K08-2509 RR	1.5	2	0	0		
K08-2528 RR	1.0	1	0	0		
S08-8467	2.2	1	3	5		
U05-826080R	-1.3	-2	0	2		
U08-926022R	0.7	1	1	1		
Date Planted	5/25	5/13	5/17	6/7	6/1	6/7
Days to Mature	129	148	141	127		

UNIFORM TEST III Roundup-Ready, 2011

LODGING (score)

Strain	Mean 7 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
U03-827101 (SCN)	1.3	1.3	1.0	1.0	1.7	1.0
NEX2905A0R (E)	1.1	1.5	1.0	1.0	1.0	1.0
AG3504	1.3	1.5	1.0	1.0	1.7	1.0
AG3803	1.4	2.0	1.0	1.0	2.0	1.0
K08-2509 RR	1.1	1.5	1.0	1.0	1.3	1.0
K08-2528 RR	1.3	1.8	1.0	1.0	1.3	1.3
S08-8467	1.4	2.0	1.2	1.0	1.3	1.0
U05-826080R	1.1	1.5	1.0	1.0	1.3	1.0
U08-926022R	1.5	1.5	1.0	1.0	2.3	1.0

UNIFORM TEST III Roundup-Ready, 2011

MATURITY (date)

Strain	Portageville (Clay) MO	Portageville (Loam) MO	Clay Center NE	Lincoln NE	Phillips NE
U03-827101 (SCN)	9/27	9/14			10/5
NEX2905A0R (E)	-7	-8			-6
AG3504	-6	-7			-3
AG3803	1	-2			2
K08-2509 RR	4	1			2
K08-2528 RR	3	1			1
S08-8467	3	-1			2
U05-826080R	-5	-4			1
U08-926022R	-1	0			2
Date Planted	5/30	5/9	6/4	5/25	5/17
Days to Mature	120	128			141

UNIFORM TEST III Roundup-Ready, 2011

LODGING (score)

Strain	Portageville (Clay) MO	Portageville (Loam) MO	Clay Center NE	Lincoln NE	Phillips NE
U03-827101 (SCN)	2.0	1.0			
NEX2905A0R (E)	1.0	1.0			
AG3504	2.0	1.0			
AG3803	2.0	1.0			
K08-2509 RR	1.0	1.0			
K08-2528 RR	1.0	2.0			
S08-8467	1.0	2.0			
U05-826080R	1.0	1.0			
U08-926022R	2.0	2.0			

UNIFORM TEST III Roundup-Ready, 2011

PLANT HEIGHT (inches)

Strain	Mean 7 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
U03-827101 (SCN)	34	38	32	36	43	25
NEX2905A0R (E)	28	34	30	36	34	22
AG3504	35	39	34	43	46	25
AG3803	37	43	36	40	48	26
K08-2509 RR	37	41	34	40	46	28
K08-2528 RR	38	44	36	40	48	27
S08-8467	37	40	35	38	46	27
U05-826080R	34	41	31	37	45	24
U08-926022R	36	41	34	38	44	27

UNIFORM TEST III Roundup-Ready, 2011

SEED QUALITY (score)

Strain	Mean 9 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
U03-827101 (SCN)	1.9	1.0	2.0	1.0	2.0	2.0
NEX2905A0R (E)	2.1	1.0	2.0	1.5	3.0	2.0
AG3504	1.8	2.0	2.0	1.0	2.0	1.0
AG3803	1.6	1.0	2.5	1.0	2.0	1.0
K08-2509 RR	1.6	1.0	2.0	1.0	2.0	1.0
K08-2528 RR	1.6	1.0	1.5	1.0	3.0	1.0
S08-8467	1.4	1.0	2.0	1.0	2.0	1.0
U05-826080R	1.7	1.0	2.5	1.0	2.0	1.0
U08-926022R	1.8	1.0	2.5	1.0	3.0	1.0

UNIFORM TEST III Roundup-Ready, 2011

PLANT HEIGHT (inches)

Strain	Portageville (Clay) MO	Portageville (Loam) MO	Clay Center NE	Lincoln NE	Phillips NE
U03-827101 (SCN)	35	30			
NEX2905A0R (E)	22	17			
AG3504	34	26			
AG3803	36	31			
K08-2509 RR	40	32			
K08-2528 RR	42	32			
S08-8467	37	33			
U05-826080R	32	27			
U08-926022R	34	32			

UNIFORM TEST III Roundup-Ready, 2011

SEED QUALITY (score)

Strain	Portageville (Clay) MO	Portageville (Loam) MO	Clay Center NE	Lincoln NE	Phillips NE
U03-827101 (SCN)	3.0	4.0	1.0		1.0
NEX2905A0R (E)	3.0	4.0	1.0		1.0
AG3504	2.0	4.0	1.0		1.0
AG3803	1.0	4.0	1.0		1.0
K08-2509 RR	1.0	4.0	1.0		1.0
K08-2528 RR	2.0	3.0	1.0		1.0
S08-8467	2.0	2.0	1.0		1.0
U05-826080R	2.0	4.0	1.0		1.0
U08-926022R	2.0	4.0	1.0		1.0

UNIFORM TEST III Roundup-Ready, 2011

SEED SIZE (g/100)

Strain	Mean 9 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
U03-827101 (SCN)	15.4	16.7	13.3	15.9	16.0	13.9
NEX2905A0R (E)	13.1	12.5	12.0	12.3	13.2	12.3
AG3504	14.2	15.9	13.3	14.2	14.0	12.7
AG3803	14.8	15.6	14.3	15.2	14.4	13.6
K08-2509 RR	14.7	15.2	14.0	14.1	14.7	12.8
K08-2528 RR	14.9	15.4	13.4	13.3	16.4	12.9
S08-8467	12.4	13.5	11.3	11.6	13.4	10.3
U05-826080R	15.3	15.8	13.6	14.6	17.1	13.5
U08-926022R	15.7	16.1	13.9	14.7	16.8	14.1

UNIFORM TEST III Roundup-Ready, 2011

SEED SIZE (g/100)

Strain	Portageville (Clay) MO	Portageville (Loam) MO	Clay Center NE	Lincoln NE	Phillips NE
U03-827101 (SCN)	16.2	14.6	15.9		16.5
NEX2905A0R (E)	14.1	13.5	13.0		14.7
AG3504	16.2	11.9	14.3		15.3
AG3803	16.8	13.6	14.3		15.5
K08-2509 RR	16.5	13.1	15.1		16.7
K08-2528 RR	16.7	13.9	15.7		16.7
S08-8467	14.3	10.3	13.2		13.5
U05-826080R	16.4	13.5	15.3		17.5
U08-926022R	16.4	14.9	16.3		17.9