THE UNIFORM SOYBEAN TESTS

NORTHERN REGION

2003

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

COOPERATING WITH
STATE AGRICULTURAL EXPERIMENT STATIONS
NORTHERN STATES

UNIFORM SOYBEAN TESTS

NORTHERN STATES

2003

USDA-ARS
Crop Genetics and Production Research Unit
Department of Botany and Plant Pathology
Purdue University
1915 West State St.
West Lafayette, IN 47907

COORDINATED BY:
T. Scott Abney
Wad D. Crochet

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2003 UNIFORM SOYBEAN TESTS NORTHERN STATES

Data Complied by:

Wad D. Crochet
Department of Botany and Plant Pathology
Purdue University, W. Lafayette, IN 47907-1150
Office phone 765-583-2952
FAX 765-496-3452
Email: wcrochet@purdue.edu
www.agry.purdue.edu/soybean/regionalreport/index.htm

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

2003 UNIFORM TEST PARTICIPANTS

Uniform Test Cooperator:	Technical Contact:
Gary R. Ablett Ridgetown College Main Street East Ridgetown, Ontario Canada NOP 2CO Ph: 519-674-1505 FAX: 519-674-1515 Email: gablett@ridgetownc.uoguelph.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
T. Scott Abney, USDA-ARS Dept. of Botany and Plant Pathology Purdue University West Lafayette, IN 47907-1155 Ph: 765-494-9859 FAX: 765-496-3452 Email: abney@.purdue.edu	Wad Crochet, USDA-ARS USDA Soybean Research Lab. 4540 Hwy. 52 West West Lafayette, IN 47906 Ph: 765-583-2952 Cell: 765-412-0429 FAX: 765-496-3452 Email: mailto:wcrochet@purdue.edu
Prakash R. Arelli, USDA-ARS 605 Airways Blvd. Jackson, TN 38301 Ph: 731-425-4741 FAX: 731-425-4760 Email: parelli@ars.usda.gov	Lisa Fritz, USDA-ARS 605 Airways Blvd. Jackson, TN 38301 Ph: 731-425-4737 FAX: 731-425-4760 Email: mailto:lfritz@msa-stoneville.ars.usda.gov
Al Sloan Agriculture and Agri-food Canada Morden Research Center Unit 100-101 Route 100 Morden, Manitoba Canada R6M 1Y5 Ph: 204-822-7256 FAX: 204-822-7207 Email: asloan@agr.gc.ca	
Glenn R. Buss Department of Crop, Soil, & Environmental Sciences Virginia Polytechnic Institute Blacksburg, VA 24061-0404 Ph: 540-231-9788 FAX: 540-231-3431 Email: gbuss@vt.edu	
E. Cober Agriculture & 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 Email: coberer@agr.gc.ca	R. Guillemette Agriculture & 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 Email: coberer@agr.gc.ca

2003 UNIFORM TEST PARTICIPANTS

Uniform Test Cooperator:	Technical Contact:
Richard L. Cooper, USDA-ARS Dept. of Horticulture and Crop Science 1680 Madison Ave. OARDC-OSU Wooster, OH 44691 Ph: 330-263-3875 FAX: 330-263-3887 Email: cooper.16@osu.edu	Tim Mendiola, USDA-ARS Dept. of Horticulture and Crop Science 1680 Madison Ave. Wooster, OH 44691 Ph: 330-263-3974 FAX: 330-263-3887 Email: mailto:mendiola.3@osu.edu
Thomas E. Devine, USDA-ARS SASL, Bldg. 001, BARC West 10300 Baltimore Ave. Beltsville, MD 20705 Ph: 301-504-6375 FAX: Email: mailto:devinet@ba.ars.usda.gov	
Brian Diers Turner Hall-Agronomy 1102 S. Goodwin St. University of Illinois Urbana, IL 61801 Ph: 217-265-4062 FAX: 217-265- Email: bdiers@uiuc.edu	Troy Cary Department of Crop Sciences 1102 South Goodwin Ave. University of Illinois Urbana, IL 61801 Ph: 217-244-5138 FAX: 217-333-9817 Email: 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
Ron Fioritto Dept. of Horticulture and Crop Science 1680 Madison Ave. OARDC-OSU Wooster, OH 44691 Ph. 330-263-3851 FAX 330-263-3685 Email: fioritto.1@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
George L. Graef 319 Keim Hall University of Nebraska Lincoln, NE 68583 Ph: 402-472-1537 FAX: 402-472-7904 Email: ggraef1@unl.edu	Les Korte Stewart Seed Lab., Room 107 University of Nebraska Lincoln, NE 68583-0827 Ph: 402-472-6343 FAX: 402-472-7904 Email: lkorte@unlnotes.unl.edu

2003 UNIFORM TEST PARTICIPANTS

Uniform Test Cooperator:	Technical Contact:
Ted Helms Dept. of Plant Sciences North Dakota State University Fargo, ND 58105-5051 Ph: 701-231-8136 FAX: 701-231-8474 Email: ted_helms@ndsu.nodak.edu	Larry K. Martin Dept. of Plant Sciences North Dakota State University Loftsgard Hall, Rm #106 P. O. Box 5050 Fargo, ND 58105-5050 Email:
Bill J. Kenworthy Room 1112, H. J. Patterson Hall University of Maryland College Park, MD 20742-5821 Ph: 301-405-1324 FAX: 301-314-9041 Email: wk7@umail.umd.edu	
Joseph G. Lauer University of Wisconsin 1575 Linden Drive – Agronomy Madison, WI 53706-1597 Ph: 608-262-7438 FAX: 608-262-5217 Email: jglauer@facstaff.wisc.edu	Mark Martinka, Program Manager University of Wisconsin 253 Moore 1575 Linden Drive – Agronomy Madison, WI 53706-1597 Ph: 608-262-8273 FAX: 608-262-5217 Email: martinka@facstaff.wisc.edu
Allen LeRoy Dept. of Agronomy Lily Hall Purdue University West Lafayette, IN 47907 Ph: 765-496-3756 FAX: 765-496-2926 Email: leroya@purdue.edu	Adam Brock Agronomy Dept., Lily Hall Purdue University West Lafayette, IN 47907 Ph: 765-496-1557 FAX: 765-496-2926 Email: abrock@purdue.edu
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
Jim H. Orf Department of Agronomy, 411 Borlaug Hall University of Minnesota 1991 Buford Circle St. Paul, MN 55108 Ph: 612-625-8275 Lab. -9263 FAX: 612-625-1268 Email: orfxx001@umn.edu	Phil Schaus Soybean Breeding and Genetics University of Minnesota 411 Borlaug Hall, 1991 Buford Circle St Paul, MN 55108 Ph: 612-625-9263 FAX: 612-625-1268 Email: schau002@umn.edu

2003 UNIFORM TEST PARTICIPANTS

Uniform Test Cooperator:	Technical Contact:
Todd W. Pfeiffer Dept. of Agronomy N106 Agric. Sci. Bldg. North University of Kentucky Lexington, KY 40546 Ph: 859-257-4678 FAX: 859-257-7874 Email: tpfeiffe@uky.edu	Eugene Lacefield N222 Ag. Sci. Bldg.-N Dept. of Agronomy University of Kentucky Lexington, KY 40546-0091 Ph: 859-257-2993 Email: elace0@pop.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@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: mailto:armstrongb@agr.gc.ca
Istvan Rajcan Dept. of Plant Agriculture, Crop Sci. Bldg University of Guelph Guelph, Ontario Canada N1G 2W1 Ph: 519-824-4120 ext. 53564 FAX: 519-763-8933 Email: irajcan@uoguelph.ca	Wade Montminy Dept. of Plant Agriculture, Crop Sci. Bldg. University of Guelph Guelph, Ontario Canada N1G 2W1 Ph: 519-824-4120 ext. 58508 Cell: 519-835-5259 FAX: 519-763-8933 Email: montminy@uoguelph.ca
W. T. Schapaugh, Jr. Dept. of Agronomy, Throckmorton Hall Kansas State University Manhatten, KS 66506 Ph: 785-532-7242 FAX: 785-532-6094 Email: wts@ksu.edu	
M. Schmidt Dept. of Plant and Soil Science Mailcode 4415, Southern Illinois University Carbondale, IL 62901-4415 Ph: 618-453-2496 FAX: 618-453-7457 Email: mesch@siu.edu	Jim Klein 3268 West Pleasant Hill Rd. SIUC Carbondale, IL 62901 Ph: 618-453-2453 FAX: 618-453-8906 Email: jklein@siu.edu
Roy Scott Plant Science Department South Dakota State University NPB 247, Box 2140C Brookings, SD 57007 Ph: 605-688-4749 FAX: 605-688-4452 Email: roy_scott@sdstate.edu	

2003 UNIFORM TEST PARTICIPANTS

Uniform Test Cooperator:

J. Grover Shannon
University of Missouri-Delta Center
147 Highway T
Portageville, MO 63873
Ph: 573-379-5431
FAX: 573-379-5875
Email: shannong@missouri.edu

David A. Sleper
Dept. of Plant Science, 201 Waters Hall
University of Missouri
Columbia, MO 65211
Ph: 573-882-7320
FAX: 573-882-1467
Email: sleperd@missouri.edu

Clay Sneller
115 Plant Science Building
University of Arkansas
Fayetteville, AR 72701
Ph: 501-575-7564
FAX: 501-575-7465
Email: csneller@uark.edu

Steve K. St. Martin
Dept. of Horticulture and Crop Science
202 Koffman Hall, 2021 Coffey Rd.
Ohio State University
Columbus, OH 43210
Ph: 614-292-8499
FAX: 614-292-7162
Email: stmartin+@osu.edu

Gilles Tremblay
Centre de recherches sur les grains inc. (CEROM)
335 Chemin des 25 Est
Saint-Bruno de Montarville (Quebec)
Canada J3V 4P6
Ph: 450-653-4413 ext. 227
FAX: 450-441-5694
Email: gilles.tremblay@cerom.qc.ca

Robert Uniatowski
Dept. of Plant and Soil Science
University of Delaware
Townsend Hall Rm. 154C
Newark, DE 19716-2170
Ph: 302-831-1370
FAX: 302-831-3656
Email: bobuni@udel.edu

Technical Contact:

Teresa Newman
University of Missouri-Delta Center
P.O. Box 160
Portageville, MO 63873
Ph: 573-379-4058
FAX: 573-379-5875
Email: NewmanTD@missouri.edu

Kerry M. Clark
Research Support Service
3600 New Haven Road
Columbia, MO 65201
Ph: 573-882-0198
FAX: 573-884-5911
Email: clarkk@missouri.edu

Tetsuaki Ishibasji
115 Plant Science Building
University of Arkansas
Fayetteville, AR 72701
Ph: 501-575-7564
FAX: 501-575-7465
Email: tishiba@comp.uark.edu

Glenn Mills
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: mills.168@osu.edu

2003 UNIFORM TEST PARTICIPANTS

Uniform Test Cooperator:

Dechun Wang
Department of Crop & Soil Sciences
Michigan State University
A384-E Plant & Soil Sciences Building
East Lansing, MI 48824-1325
Ph: 517-355-0271 Ext. 188
FAX: 517-353-3955
Email: wangdech@msu.edu

James R. Wilcox
Professor Emeritus
Agronomy Dept., Lilly Hall
Purdue University
West Lafayette, IN 47907
Ph: 765-494-8074
FAX: 765-496-3452
Email: jwilcox@purdue.edu

Glen L. Hartman
National Soybean Research Center
1101 W. Peabody Dr.
Urbana, IL 61801
Ph: 217-244-3258
FAX: 217-244-7703
Email: ghartman@uiuc.edu

Terry Niblack
Department of Crop Science
University of Illinois
1102 S. Goodwin Ave.
Urbana, IL 61801
Ph: 217-244-5940
FAX: 217-333-9817
Email: tniblack@uic.edu

Warren Rayford
NCAUR-ARS
Room 3221
1815 N. University St.
Peoria, IL 61605
Ph: 309-681-6423
FAX:
Email: mailto:rafordw@ncaur.usda.gov

Technical Contact:

John F. Boyse
Department of Crop and Soil Sciences
286 Plant Sciences Building
Michigan State University
East Lansing, MI 48824-1325
Ph: 517-355-2287
FAX: 517-353-3515
Email: boyse@pilot.msu.edu

Jo Dean Sarins
New Crops Processing
NCAUR-ARS, Room 2236
1815 N. University St.
Peoria, IL 61605
Ph: 309-681-6109
FAX:
Email: mailto:sarinsjd@ncaur.usda.gov

INTRODUCTION

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

A test is established for each of ten maturity groups. Uniform Test 00 includes maturity Group 00 strains adapted to production in the northern fringe of the present area of soybean production. Uniform Tests 0 through IV include later maturing strains adapted to locations progressively further south in the North Central States and areas of similar latitude. Each year new selections are added and others that have been sufficiently tested are dropped from the tests. The summary of performance of strains in Uniform Tests 00 through IV in the northern region is included in this report. The USDA-ARS Soybean Production Research Unit, P.O. BOX 196, STONEVILLE, MS 38776, issues the report on Uniform Tests IVS through VIII in the southern states.

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

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

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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) Conventional entries in the Uniform tests may be used by Uniform Test participants as parents only in biparental crosses or in developing recurrent selection populations. Transgenic entries may be used in crossing subject to similar rules unless licensing or patenting restrictions regarding ownership of transgenic trait limit this use.
3) 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.
4) 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.
5) Seed of any transgenic entry must not be used for further evaluation without written permission from the originator of the entry, and must be discarded at the end of the season, except for crossing purposes, subject to the restrictions outlined in the preceding sections two and three.

Release of Uniform Test entries.

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

STRAIN DESIGNATIONS

Experimental (i.e., unreleased) strains are identified by a number with a state or province code letter prefix. The code letters have been agreed upon in meetings of experiment station agronomists with the U.S. Department of Agriculture. Additional code letters may be used to designate the individual within a state or province that developed the strain.

A	Iowa A.E.S.
Ar	Arizona A.E.S.
Au	Alabama A. E. S.
B	California
C	Purdue (Indiana) A.R.P. (C=J.R. Wilcox, CL=A. LeRoy)
CM	Canada Dept. of Agriculture, Morden, Manitoba
D	Mississippi A.E.S.
E	Michigan A.E.S.
F	Florida A.E.S.
FC	Forage and Range Research Branch, USDA
Ga	Georgia A.E.S.
H	Ohio A.R.D.C. (HC=R.L. Cooper, HF=R. Fioritto, HS=S.K. St. Martin)
K	Kansas A.E.S.
Ky	Kentucky A.E.S.
L	Illinois A.E.S. (LD=B. Diers, LG=R.L. Nelson, LN=C.D. Nickell, LS=M. Schmidt)
La	Louisiana A.E.S.
LS	Southern Illinois University
M	Minnesota A.E.S.
Md	Maryland A.E.S.
Me	Maine A.E.S.
N	North Carolina A.E.S.
ND	North Dakota A.E.S.
OAC	University of Guelph, Guelph, Ontario
OK	Oklahoma Agricultural Experiment Station
ORC	Ridgetown, Ontario
OX	Research Station, Harrow, Ontario
PI	Plant Inventory
R	Arkansas A.E.S.
RJ	Arkansas State University, Jonesboro
S	Missouri A.E.S. (SS=D.Sleper)
SC	South Carolina A.E.S.
SD	South Dakota A.E.S.
Ts	Texas A.E.S.
T	Soybean Genetic Type Collection, USDA, Urbana, IL
U	Nebraska A.E.S.
UD	Delaware A.E.S.
UM	University of Manitoba, Winnipeg, Manitoba
UT	Tennessee A.E.S.
V	Virginia A.E.S.
W	Wisconsin A.E.S.
X(Y)	Two or more states cooperatively, e.g. ND(M) North Dakota and Minnesota

METHODS

Uniform tests are planted in multiple-row plots with three or four replications, and the center rows are harvested for yield and seed quality determinations. Preliminary Tests are multiple-row plots with two replications. Usually 15 to 20 feet of row are planted and 12 to 16 feet harvested, to eliminate end-of-row effects. Coefficients of variability are included with all replicated test data. Discretion is used in including data with high CVs in the regional means. If the CV is greater than 15, participants should include the reason, such as disease or environmental conditions. Lines may be heterogeneous for morphological traits the first year in the Uniform Tests but must be pure lines the second year of testing. It is the responsibility of the breeder to purify heterogeneous lines.

Generation 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	M94-135066	-7 to +5	Jim	
0	Lambert	-6 to +2	Traill (E)	Parker (L)
I	Parker	-4 to +4	Lambert (0)	IA2050 (L)
II	IA2021	-3 to +5	IA2050 (I)	IA2052 (L)
III	A99-315026	-6 to +2	IA2052 (II)	Macon (L)
IV	LN97-15076	-4 to +7	Macon (III)	
0RR	RG200RR		RG200RR	SD1091RR (L)
IRR	AG1602		SD1091RR (L)	AG1902
IIRR	HF9667-2-4RR		AG1902	AG2302
IIIRR	AG3401		AG3003	DKB3852
IVRR	MPV 457RR		DKB3852	AG4403

These maturity group ranges are based on long-term means over many locations. When using data from other environments, the interval between reference varieties may vary, and the division between maturity groups should be estimated in proportion to the above figures. Additional check varieties may be included in specific tests such as IA1008 (SCN) for resistance to the soybean cyst nematode in UT I, or Strong (dt1) as a determinate check in UT IV.

Lodging is rated at maturity according to the following scores:

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

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

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

Seed Quality is rated according to the following scores considering the amount and degree of wrinkling, defective seed coat (growth cracks), greenishness, and moldy or other pigment. Ratings for seed quality are:

1 -- Very good	2 -- Good	3 -- Fair	4 -- Poor	5 -- Very poor

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.

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

Descriptive Code: 1 2 3 4 5 6 7 8 abbreviated as underlined below.

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

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). 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
SC	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.

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

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

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

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

PROCEDURE FOR TESTING AND RELEASE OF STRAINS

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

Development and release of soybean strains is carried out by many public institutions. The programs at these institutions operate independently until strains are available for advanced testing in the Uniform Soybean Tests. The USDA-Agricultural Research Service coordinates the Uniform Soybean Tests. The tests are divided into those in the Northern Region, for strains in maturity groups 00 to IV, and those in the Southern States, for strains in maturity groups IVS to VIII. Group IV maturity strains are divided into an IVN test for the northern region and an IVS test for the southern region. Public soybean breeders are encouraged to enter superior strains they develop into the Uniform Soybean Tests.

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

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

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

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

When a decision has been made to multiply a strain for release, the originating institution will inform other UT participants of the decision by February 15. This will give each UT participant the opportunity to participate in the multiplication and release of the strains.

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

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

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

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

UNIFORM TEST STRAINS RELEASED IN 2003

Variety	Experimental designation	Uniform Test evaluations
IA2068	A00-711013	PTIIA 2001, UTII-2002, UTII 2003
IA3023	A99-315026	PTIIIA 2000, UTIII 2001- UTIII 2003
LN97-15076	LN97-15076	00PTIVB, 2001-2003 UTIV
MN0071	M94-135006	UT00 2000-2003
MN0304	M92-185003	PT0 1999, UT0 2000-2002
MN1005	M95-265009	PT0 2001, UTI 2002
MN1006CN	M95-258296	SCN UTI 2001, UTI 2002
La Moure	ND98-2252	PT0 2001, UT0 2002-2003
RG405RR	ND95-931C(RR)	PT0RR 2003
RCAT Logan	ORC 2002	PT0 2001, 2002 UT0

Variety	Release date	Releasing states or Provinces	Foundation seed production
IA2068	November 2003	Iowa	2003
IA3023	November 2003	Iowa	2003
LN97-15076t	2003	Illinois	none
MN0071	Jan. 2004	Minnesota	2004
MN0304	Jan. 2004	Minnesota	2004
MN1005	Jan. 2004	Minnesota	2004
MN1006CN	Jan. 2004	Minnesota	2004
La Moure	Dec. 2003	North Dakota	2003
RG405RR	Dec. 2003	North Dakota	2003
RCAT Logan	June 2003	Ontario	2003

2003 Soybean Cyst Nematode evaluations provided by Dr. T. Niblack, Dept. Crop Science, Univ. Illinois

			SCN Population: Urbana1 HG Type 2.5.7 Race 1			SCN Population: PA3 HG Type 0 Race 3			SCN Population: Morrow HG Type 1.2.3.5.6.7 Race 4		
Standards			**Mean**	**FI**	**Rating**	**Mean**	**FI**	**Rating**	**Mean**	**FI**	**Rating**
Lee74			286			180			300		
PI548402 (Peking)			2	1		1	1		220	73	
PI88788			145	51		1	1		60	20	
PI90763			0	0		0	0		127	42	
PI437654			0	0		0	0		0	0	
PI209332			41	14		3	2		41	14	
PI89772			0	0		1	1		148	49	
PI548361 (Cloud)			125	44		8	4		210	70	
Pickett			2	1		8	4		295	98	
Strain	**Parentage**	**03 Test**									
MN0902CN (SCN)	Jack x Alpha	UT0	125	44	LR	4	2	HR	38	13	R
M96-356062	M92-674 x M92-1708	UT0	185	65	NR	9	5	HR	131	44	LR
M97-164072	M90-162034 X M91-103023	UP0	326	114	NR	232	129	NR	335	112	NR
A00-711003	A95-485020 x IA2036	UTII	153	53	LR	6	3	HR	99	33	MR
A00-711013	AgriPro P1953 x LN94-10470	UTII	158	55	LR	1	0	HR	66	22	R
Pana (SCN)	Jack x Asgrow A3205	UTIII	134	47	LR	4	2	HR	73	24	R
E00290	Jack x E93433	UTIII	147	51	LR	6	3	HR	75	25	MR
HC99-2846	DPL 3478 x Stressland	UTIII	259	91	NR	158	88	NR	280	93	NR
LDX98152-32	Dwight x LN92-7369	UTIII	261	91	NR	147	82	NR	315	105	NR
LS99-2516	U93-3116 x A92-726004	UTIII	178	62	NR	11	6	HR	160	53	LR
CL0J173-3	Kottman*Dwight	UPIIIA	282	99	NR	195	108	NR	276	92	NR
CL0J173-6	Kottman*Dwight	UPIIIA	250	88	NR	141	78	NR	274	91	NR
LS00-0396	LS92-3660 x Dekalb 411	UPIIIA	158	55	LR	6	3	HR	114	38	MR
LS00-2137	LS92-3660 x Asgrow 4138	UPIIIA	152	53	LR	9	5	HR	110	37	MR
LS00-3645	TN91-55 x IA3005	UPIIIA	179	63	NR	13	7	HR	135	45	LR
LS00-4111	LS92-3660 x Asgrow 4138	UPIIIA	193	68	NR	18	10	R	169	56	LR
LS00-4260	Croton 3.9 x IA3005	UPIIIA	180	63	NR	55	30	MR	209	70	NR
HC00-2766	Manokim x HC94-69PR	UPIIIB	92	32	MR	2	1	HR	294	98	NR
HC99-1260	HC93-21PRX[Jack(2) xCharleston BC]	UPIIIB	202	71	NR	16	9	HR	168	56	LR
HC99-1938	Mustang x Sprite 87	UPIIIB	292	102	NR	227	126	NR	325	108	NR
AG3401		UPIII-RR	185	65	NR	106	59	LR	212	71	NR
AG3201		UPIII-RR	185	65	NR	9	5	HR	136	45	LR
DKB3852		UPIII-RR	147	51	LR	6	3	HR	120	40	LR
LS93-0375 (SCN)	Asgrow A3935 x Pioneer P9402	UTIV	150	52	LR	9	5	HR	84	28	MR
HC99-2763	DPL 3478 x Stressland	UTIV	270	95	NR	183	102	NR	268	89	NR

2003 Soybean Cyst Nematode evaluations provided by Dr. T. Niblack, Dept. Crop Science, Univ. Illinois

			SCN Population: Urbana1 HG Type 2.5.7 Race 1			SCN Population: PA3 HG Type 0 Race 3			SCN Population: Morrow HG Type 1.2.3.5.6.7 Race 4		
Standards			**Mean**	**FI**	**Rating**	**Mean**	**FI**	**Rating**	**Mean**	**FI**	**Rating**
Lee74			286			180			300		
PI548402 (Peking)			2	1		1	1		220	73	
PI88788			145	51		1	1		60	20	
PI90763			0	0		0	0		127	42	
PI437654			0	0		0	0		0	0	
PI209332			41	14		3	2		41	14	
PI89772			0	0		1	1		148	49	
PI548361 (Cloud)			125	44		8	4		210	70	
Pickett			2	1		8	4		295	98	
Strain	**Parentage**	**03 Test**									
LS98-0582	Northup King 46-44 x Asgrow 4138	UTIV	129	45	LR	3	2	HR	57	19	R
LS99-2235	Bell x P9451	UTIV	116	40	LR	2	1	HR	32	11	R
LS99-3346	DK469c x LN90-3364	UTIV	203	71	NR	16	9	HR	140	47	LR
HC97-4770	T90-6 X Charleston BC	UPIV	200	70	NR	21	12	R	172	57	LR
HC99-1289	Mustang x HC93-21PR	UPIV	219	76	NR	19	10	R	188	63	NR
HC99-1368	Mustang x HC94-82PR	UPIV	191	67	NR	7	4	HR	128	43	LR
HC99-1935	Mustang x Sprite 87	UPIV	314	110	NR	220	122	NR	277	92	NR
HC00-2773	Hobbit 87 x Jack	UPIV	185	65	NR	16	9	HR	165	55	LR
HC00-2787	Hobbit 87 x Jack	UPIV	146	51	LR	1	1	HR	85	28	MR
LS00-0716	LS92-0185 x Dekalb 411	UPIV	115	40	LR	4	2	HR	315	105	NR
LS00-1109	LS92-0185 x Dekalb 445	UPIV	178	62	NR	6	3	HR	94	31	MR
LS00-2069	TN91-55 x Dekalb 411	UPIV	151	53	LR	5	3	HR	117	39	MR
LS00-2920	LS92-4173 x Asgrow 4138	UPIV	168	59	LR	4	2	HR	103	34	MR
LS00-4953	LS92-4173 x Asgrow 4138	UPIV	185	65	NR	5	3	HR	134	45	LR
AG4201		UPIV-RR	194	68	NR	9	5	HR	79	26	MR
AG4403		UPIV-RR	210	74	NR	137	76	NR	202	67	NR

FI = ((mean no. females on test line) / (mean no. females on Lee 74)) * 100
inoculum = 1,000 eggs/plant

Rating*	Abbr	FI
Highly resistant	**HR**	<10
Resistant	**R**	10-24
Moderately resistant	**MR**	25-39
Low resistance	**LR**	40-59
No effective resistance	**NR**	60+
not determined	**nd**	FI>10,CV>35, 6 reps

IDENTIFICATION OF PARENT STRAINS 2003

Strain	Parentage
A1	Anoka x Mack
A2	M63-17 x C1453
A13	Selection from AP9 Fe (S 1) C7
A17	BSR 101 x CN210
A1564	Hark x C1453
A2021	
A3127	Williams x Essex
A3205	Kark x Wayne
A3935	MO474C x A3127
A9243	A1564 x A3127
A55-5629-4	Roanoke x Hawkeye
A72-507	Amsoy x Wayne
A72-512	Amsoy x Wayne
A74-201006	Amsoy x [Provan x (Disoy x A0-7401 x A06838))]
A74-201026	Hark x [Provan x (Disoy x A0-7401 x A06838))]
A75-10521	Corsoy (2) x L65-1342 or Anoka x Mack
A75-204018	IVR4731 x Wirth
A76-304020	(Beeson x AP68-1016) x (1,15 x Calland)
A79-135010	Pride B216 x Cumberland
A79-136012	Pride B216 x Land 0' Lakes 4102
A79-140011	(AgriPro 25 x A74-201006) x Prize
A79-140022	(A74-201026 x C1520) x Magna
A80-145015	(Corsoy x Wayne) x Peterson 118-11
A80-244003	NK S1492 x Pella
A81-151026	A75-204018 x Century
A81-356022	Century x A76-304020
A83-271027	S1492 x A3127
A82-267015	AP6MTW 2YT (F4) C2
A83-378020	A79-140022 x A79-140011
A83-378022	A79-140022 x A79-140011
A85-182007	Vinton 81 x Hardin
A86-186011	AP9 populations
A87-187020	Jacques J103 x A81-151026
A87-194005	A83-378022 x (A83-378020 x Jacques J103)
A87-196014	BSR 101 x A80-244013
A86-204022	Hack x Zane
A86-301024	A81-356022 x Hack
A86-303014	A81-356022 x Hack
A89-246006	A85-182007 x [(Vinton 81 x Pride B216) x A82-267015]
A90-314041	(Hill Seed 2700 x LS301) x LS201
A90-113017	(Hill Seed 2700 x LS301) x LS201
A90-314027	LS201 x LS301
A91-501002	AgriPro AP2190 x A86-301024
A91-701007	NK S23-03 x A86-301024
A92-525014	IA2008 x Kenwood
A92-529010	LS201 x (Asgrow A3205 x A87-194005)
A92-535059	Asgrow A2187 x [(A87-186011 x DSR 252) x A87-187020]
A92-627030	Kenwood x Asgrow A3205
A92-726004	Jack x Dairyland DSR-284
A93-751025	A89-246006 x LS301
A93-751019	
A94-570008	IA2012 x (A90-314027 x Kenwood)
A94-570014	A90-113017 x IA3002
A94-572028	Asgrow A2234 x HC5-604

IDENTIFICATION OF PARENT STRAINS 2003

Strain	Parentage
A94-674017	Pioneer P9303 x Kenwood
A95-485020	(Pioneer P7273 x A 13) x Jack
A97-770012	NK S20-20 x Asgrow A2234
A94-770016	A90-314041 x IA2012
A97-774009	A93-751025 x A92-529010
A97-770031	A92-535059 x Pioneer P9273
A97-771039	A92-627030 X ORC 9205
A97-871009	NK S20-20 x (A92-535029 x IA20121)
A97-874007	A93-751019 x IA3006
A97-874014	A93-751019 x IA3006
A97-874056	IA2034 x (Pioneer 9231 x IA2012)
A98-890011	A94-570014 x (IA2040 x ORC 9205)
A98-891028	A94-570008 x IA2040
A98-892037	IA2037 x (IA2040 x NK S24-92)
A98-983013	A94-770016 x (IA1007 x Pioneer 9304)
AP1953	
AP1995	
AP 2329	
AP 2889	
AP 3030	
AP68-1016	Clark (5) x PI 84.946-2
AP Ex 430124	
Ap Ex 441433	
Asgrow A2187	
Asgrow A2234	[(Callandx Amsoy) x Century (3)] x Williams 82
Asgrow A3127	Williams x Essex
Asgrow A3205	Northrup King S 1474 x Asgrow A3 127
Asgrow A3427	X3826 x Asgrow A3127
Asgrow A3733	Elf x Asgrow A3127
Asgrow A3860	Williams x Essex
Asgrow A3935	M0474C x Asgrow A3127
Asgrow A3966	
Asgrow A4009	Asgrow A3860 x Fayette
Asgrow A4138	Asgrow A4009 x Asgrow A4595
Asgrow A4595	Douglas x Asgrow A3127
Asgrow A5474	(Tracy x D71-6234) x J74-122
Asgrow A5475	(Tracy x d5064) x Bedford
BD221115-13	(Amsoy x Portage) x Holmberg 840-7-3
Century L2	Century Lipoxygenase 2 Free
C1079	Lincoln x Ogden
C1253	Blackhawk x Harosoy
C1266R	Harosoy x C1079
C1453	C I 266R x C 1253
C1520	Bonus x Cutler
C1678	Hobbit x LaKota
C1732	Century x Harper
C1834	C1678 x Resnik
C1973	C1834 x CX1311-49
CM497	Unknown
C3S1-53	PMGT C3*-C3S1-53 * Cycle 3, S1 selections from PMGT Rec. Sel.
C3S1-57	PMGT C3-C3S1-57 population (A75-103019,A76-202015, A76-304005
CX1038	Cutler 71(4) x Pando
CX1311	Pride B216 x CX1038-63
C3S1-53	PMGT C*3-3S1-53 *Cycle 3, S1 selection from PMGT Rec. Sel.

IDENTIFICATION OF PARENT STRAINS 2003

Strain	Parentage
C3S1-57	PMGT C*3-3S1-57 *Cycle 3, S1 selection from PMGT Rec. Sel.
D138	ICI Seeds
D5064	Unknown
D49-2491	S100 x CNS = sister line of Lee
D61-2624	D49-2491(4) x PI 171.862
D61-3505	D49-2491(2) x PI 171.862
D66-7398	D61-3505 x (PI 96.035 x D61-2624)
D68-18	Dyer x Bragg
D71-6234	D66-7398 x PI 95.560
D77-5169	Centennial x J74-47
Dairyland DSR-217	(Corsoy x Hark) x Asgrow A3127
Dairyland DSR-262	
Dairyland DSR-284	(Hark x Corsoy) x Corsoy 79
Dairyland DSR-304	Williams x Unknown
Dairyland DSR-365	
Dekalb CX252	
Dekalb 411	
Dekalb 411	
Dekalb 445	
Dekalb BC 445	
E84108	Sprite x Hardin
E86067	A80-145015 x A79-135010
E86237	Prosoy PS104 x HW8028
E91031	E84108 x Conrad
E93147	E86067 x Kenwood
E93433	Asgrow A2943 x NK S23-12
E94489	(Hodgson / Fengshou 10 x Archer) x NK S19-90
FH22-815	Manitoba Brown x Mandarin (Ottawa)
GH X-201	Unkown
H1328	Unkown
HC78-350	L72U-2567 x Essex
HC78-676	L70T-543G x L74D-619
HC78-676BC	HC78-676 (6) x Williams 82
HC80-1944	L73U-632 x Elf
HC85-604	Sprite x Asgrow A3127
HC85-607	Sprite x Asgrow A3127
HC85-6577	HC78-350 x HC78-676
HC89-2237	HC80-1944 x Asgrow A3127
HC91-1770	Hutcheson x HC78-676BC
HC93-21PR	Charleston (6) x Hobbit 87
HS93-4118	IA2007 x Dairyland DSR 304
HC94-62PR	Charleston (6) x Hobbit 87
HC94-69PR	Charleston (6) x Hobbit 87
HC94-82PR	Charleston (6) x Hobbit 87
He Feng 25	PI518.703
HF92-080	HS84-6224 x Resnik
Holmberg 840-2-7	PI 438.475
HM9196	Will x A3127
HS84-6224	HW79015 x HW79149
HS88-4906	Conrad x Hayes
HS88-4909	Conrad x Hayes
HS88-7363	F2 progenitor of Kottman = Voris 311 x Resnik
HS88-4988	Winchester x A83-271027
HS93-1882-41	HS88-4906 x BARC-6

Strain	Parentage
HS94-4533	sister line of Kottman = HS88-7363 x HS88-4988
HS94-9053	P9268-03 x Vertex
HS95-2833	HS88-7363 x IA2003
HW79015	A72-512 x Oakland
HW79149	(A72-507(6) x A1) x (A72-507(5) x PI82.263.2)
HW8028	A75-10521 x Centry
IRV Ex4731	Amsoy x Wayne
J74-45	Forrest (2) x (D68-18 x PI 88.788)
J74-47	Forrest (2) x (D68-18 x PI 88.788)
Ja 53-7-6	Selection from Japanese variety
Jacques J103	Clay x Williams
K1044	Tracy x Williams
K1235	Hutcheson x Asgrow A3427
K1277	Hutcheson x Asgrow A3966
KG20	McCall x 2S11
KY84-1616	K1044 x Williams
KY90-1208	Asgrow A9395 x Hutcheson
KY91-1352	Souther States SS391 x KY84-1616
Land O'Lakes 95-10104	
Land O'Lakes 4102	
L15	Wayne (6) x Clark 63
L62-1926	Clark (2) x PI 86.024
L65-1342	Wayne (2) xL62-1926
L70-2283	Custer x Chippewa
L70T-543	L15 x Amsoy 71
L70T-543G	From L70T-543
L72U-2567	Williams x Ransom
L73U-632	Miller 67 x L66L-140
L74D-619	Williams x Ransom
L57-0035	Clark x Adams
L66L-140	Wayne x L57-0035
L62-1926	Clark (2) x PI 86.024
L65-1342	Wayne (2) xL62-1926
L75-8020	Williams x L70-2283
L77-443	Union x L75-8020
L77-906	Williams x PI 209.332
L77-994	Williams (2) x PI 88.788
LG82-8379	F4 PI 68-508 x FC 04.007B
LG85-3343	F5 PI 361.064 x PI 407.710
LG91-7350	BSR 101 x LG82-8379
LG92-1350	LG85-3343 F6 x Ripley
LN86-4668	Fayette x Hardin
LN90-4366	LN864668 x Resnik
LN92-7369	Burlison x C1732
LN93-11586	A86-301024 x Asgrow A3733
LN94-10470	Jack x Hartwig
LNX96017	Jack x Resnick RR
LNX960498	IA3003 x Resnick RR
LS-344	from Warsaw Poland
LS85-5031	Hack x Crawford
LS92-0185	Pharaoh x Avery
LS92-3660	Resnik x Asgrow A5474
LS92-4173	Flyer x Pyramid
M0474C	White-flowered off type in Mitchell

Strain	Parentage
M10	Lincoln (2) x Richland
M402	Renville x Cappital
M42-4	Lincoln*2 x Richland
M42-37	Lincoln (2) x Richland
M53-117	MIO x PI 180.501
M54-110	Harosoy x Norchief
M54-139	Renville x Capital
M54-232	M42-4 x Capital
M54-240	Korean x M42-37
M59-120	M54-240 x M54-139
M61-224	Merit x Harosoy
M63-17	M402 x M54-110
M63-194	Corsoy x PI 132.207
M63-217Y	Corsoy x M53-117
M65-442	Anoka x Amsoy
M68-2	Wilkin x M59-120
M68-49	Evans x M59-120
M68-49-26	Evans x M59-120
M70-127	Evans x M63-217Y
M70-294	Ja 53-7-6(PI 358.323 x M63-217Y)
M71-148	Clay x Evans
M72-3	Evans x Hodgson
M73-62	M61-224 x PI297.518
M74-23	M68-49 x Hodgson
M74-227	M68-49 x M63-194
M74-337	Evans x Northrup King 9436
M75-274	Evans x L70T-543
M76-151	M70-271 x Hodgson 78
M81-18	Evans x M65-442
M81-27	M68-49-26 x M70-294
M82-996	M72-3 x Peterson 1677
M83-16	A2 x Hodgson 78
M83-64	M74-227 x L78-189
M83-442	M71-148 x Pioneer P0877
M84-748	M75 -274 x M76-151
M84-916	A79-136012 x Dawson
M84-93	M71-148 x Ozzie
M85- 52	M73-62 x Simpson
M85-564	M74-337 x M74-23
M86-421	M74-23 x Gnome
M86-571	Ozzie x A80-244003
M87-135	Sibley x Hack
M87-332	M76-55 x Ozzie
M87-1329	M73-62 x Dassel
M90-370	M81-27 x M83-16
M90-137050	M87-332 x Maple Ridge
M90-144096	LS-344 x Maple Ridge
M90-162034	Burlison x M84-93
M91-201	Agassiz x Maple Glen
M91-103023	Dawson (Dawson x Bell)
M91-113037	Parker x Archer
M91-116124	Faribault x Archer
M91-151044	Kato x Century L2
M91-151056	Kato x Century L2

Strain	Parentage
M91-163126	E86-237 x M87-135
M91-198043	Toyopro x Kato
M91-202001	Bert x Toyopro
M92-405	Agassiz x Ozzie
M92-1708	Kato x Bell
M92-674	Agassiz x Ozzie
M92-836	M85-564 x Kato
M96-132-18	Glacier (2) x Resnick BC2 F2 RR
M96-136-20	ND(M)90-370 (2) x Resnick BC2F2 RR
Md87-5602	Pershing x D77-5169
Md92-5850	Hamilton x Bass
Md93-5010	Md87-5602 x LS85-5031
Mycogen 040	Unknown
MYC B2275	Unknown
M0385	IVR 1120 x Calland
M030421	
MO474C	Unknown
MSBP6S4	Male-sterile intermated population
ND88-800	Maple Amber x Evans
ND(M)90-370	M81-27 x M83-16
ND(M)90-705	M83-442 x McCall
ND(M)91-895	M81-27 x M85-52
ND91-2721	KG20 x M81-18
ND92-2381	M83-64 x Pioneer 9061
ND93-5849	KG20 x Maple Donovan
ND93-6064	Agassiz x Pioneer 9061
Northrup King 9436	Northrup King CO.
Northrup King S1346 (6)	A55-5629-4 x PI 257.435
Northrup King S1474	Hark x Wayne
Northrup King S1492	Corsoy x Wayne
Northrup King S19-49	
Northrup King S19-90	Pride B 152 x Pella
Northrup King S20-20	Pride B152 x CM497
Northrup King S24-92	Asgrow A3 127 x [(IVR 1120 x Calland) x (Mitchell x Cutler 71))
Northrup King S28-T3	Exp. x DSR262
Northrup King S46-44	Asgrow A5474 x Asgrow A3127
OAC 92-01	OAC Eclipse x OT84-12
OAC 97-02	OAC Exeter x OAC 92-01
OAC 97-07	Y3916F38 x M84-916
OAC 97-11	OAC Auburn x M84-748
OT84-12	BD221115-13 x Premier
OT88-11	Maple Ridge x Lakota
OT89-16	AC Proteus
OT92-8	Baron x Maple Donovan
ORC8703	Hodgson x FH22-815
ORC8905	Pride B152 x Jewell
ORC9002	A81-151026 x Elgin
ORC9205	Conrad x RCAT Alliance
ORC9404	ORC8703 x NK S26-06
OX9087-41	(C3S1-53 x Ripley) x C3S1-57 x Ripley
OX961095	Resnik BC1F2(RR) x Hs93-1882-41
OX96202	Harosoy x PI 567.642A x Defiance
OX96382	Resnik BC1F2(RR) x Flint
OXO-9350-13	OX 9087-41 x Parker

Strain	Parentage
Peterson 85	Provar x [Amsoy x PI 248.404]
Pioneer P1677	Rampage x Corsoy (2)
Pioneer P0877	(Clark x Chippewa 64) x Corsoy
Pioneer P7273	
Pioneer P9004	Maple Ridge x Lakota
Pioneer P9061	Wells x Pioneer P1677
Pioneer P9091	Peterson 85 x Peterson 1677
Pioneer P9092	Pioneer P9061 x S15-50
Pioneer P1951	
Pioneer P1963	
Pioneer P9281	Hark x (Cprsoy x Calland)
Pioneer P9273	Pioneer P2981 x Asgrow 3127
Pioneer P9303	Pioneer Brand 2981 x M0835
Pioneer P9321	M030421 x (Weber x Asgrow A3127)
Pioneer P9341	M0835 x Asgrow 3127
Pioneer P9362	
Pioneer P9392	A3127 x Gnome
Pioneer P9393	Asgrow A3733 x Resnik
Pioneer P9402	(L77-994 x Asgrow A3127) x L77-994
Pioneer P9451	Pioneer P9571 x Pioneer P9402
Pioneer P9571	(Dyer x Forrest) x J74-45
Pioneer 91B53	
Pioneer 93B	Unknown
Pioneer 93B82	Unknown
Pioneer XB28V99	
Pride B152	Northrup King S 1346 (6) x Mack
Pride B216	Corsoy x Wayne
Prosoy PS104	Unknown
PS 42	Ablett
R95-3235	Manokin x KS4895
RCAT 9006	A81-151026 x Elgin
RCAT 9501	RCAT Tabby x S26-06
RCAT 9603	RCAT 9006 x A87-196014
RCAT 9604	Dominator x NK S20-20
S10	Unknown
S15-50	(Mack x Corsoy x B216(2)) x (S1492 x Lee 74)
S26-06	
S86-4499	L77-443 x L77-906
SD1081RR	Hendricks (4) x Resnick RR
SD92-1323	Kasota, x Kato
SD93-495	Glenwood x Jack
SD93-828	Parker x Archer
SD93-828R	SD93-828(4) x ResnickRR
SD93-954	Kasota x Kato
SD93-1037	Parker x Sibley
SD93-1037RR	SD93-1037(4) x Resnick RR
SD93-1298	Sturdy x PI 153.296
SD93-1298RR	SD93-1298(4) x ResnickRR
SD(M)93-256	Kato x A17
SD(M)93-3524	Parker x Archer
SD94-27	Sturdy x Sibley
SD94-57	Simpson x Elgin 87
SD(N)94-9231	Lambert x Pioneer P9061
SD94-215	Sibley x Archer

IDENTIFICATION OF PARENT STRAINS 2003

Strain	Parentage
SD94-461	Glenwood x Jack
SD94-782	ORC 9002 x Agassiz
SD94-808	Parker x Archer
SD94-1467	Archer x Glenwood
SD96-170	IA2008 x HS88-4909
SD96-1043	M87-1329 x Ozzie
Sigco KG20	McCall x 2S I I
SL91-564	Ozzie x M86-421
SL91-895	M81-27 x M85-52
SW 33-08	
T90-6	
TN91-55	TB4-86 x TN83-67
U93-2412	M84-916 x A3935
U93-3116	Asgrow A3205 x Asgrow A3935
U93-3122	Asgrow A3205 x A86-303014
U94-2236	DSR 304 x P9272
U94-3412	Parker x Holt
U94-3433	P9341 x Agserv 8780
U95-3734	ORC8905 x PI 437088A
UP1Fe (S1) C6S1	S1 line intermated population
UP3YC6S1	Intermated population
Voris 311	S10 x Mitchell
059-903	PI 438471
1900	Unknown
2S11`	059-903 x Hardome

2003 UNIFORM AND PRELIMINARY TEST LOCATIONS

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

2003 UNIFORM AND PRELIMINARY TEST LOCATIONS

Location		Tests Conducted By:	Uniform Tests						Preliminary Tests					Preliminary Tests RR				
			00	0	I	II	III	IV	0	I	II	III	IV	0	I	II	III	IV
MO	Kingdom City	D. Sleper					**X**	X					X				**X**	X
	Novelty	D. Sleper										**X**						
	Portageville (Clay)	G. Shannon						X										
	Portageville (Loam)	G. Shannon		X	X	X	X	X					**X**					**X**
NE	Beemer	G. Graef / L.Korte				X			X	X	X							
	Cotesfield	G. Graef / L.Korte				X			X	X	X							
	Goener	G. Graef / L.Korte					X				X	X						
	Plymouth	G. Graef / L.Korte					X					X						
	Tekamah	G. Graef / L.Korte					X					X						
ND	Casselton	T. Helms	**X**	**X**					**X**									
OH	Hoytville	R. Fioritto				**X**	**X**				**X**	**X**						
	Wooster	R. Fioritto				X	X									**X**	**X**	
	St. Charleston	S. St. Martin					X	X				X	X				X	*
ONT	Beachburg	E. Cober	X															
	Dundalk	I. Rajcan	X															
	Elora	I. Rajcan	**X**															
	Harrow	V. Poysa				X					**X**					X		
	Nepean	E. Cober												**X**				
	Ottawa	E. Cober		**X**					X									
	Ridgetown	G. Ablett			X	X				X						X		
	Talbotville	I. Rajcan			**X**					X								
	Woodstock	I. Rajcan		X					**X**									
QUE	Saint Bruno	G. Tremblay	**X**	X					X	**X**				**X**	**X**			
SD	Beresford	R. Scott				X					X					**X**		
	Brookings	R. Scott		**X**	**X**	X			**X**	X	X			X	**X**	X		
	Watertown	R. Scott		X	X				X	X				**X**	**X**			
TN	Jackson	P. Arelli											X					X
WI	Arlington	J. Lauer / M. Martinka		-	-	-												
X	Location With Agronomic Data		11	11	15	23	21	18	10	14	13	11	11	6	8	9	8	12
X	Location With Seed Composition Data		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4
*	No data submitted due to flooding.																	

2003 DISEASE, SHATTERING, AND DESCRIPTIVE DATA

	Location	Tests Conducted By:	Tests	UT	PT	PT RR
IA	Humboldt	W. Fehr/K. Scholbrook	Chlorosis	I-III	I-III	
	Kanawha	W. Fehr/K. Scholbrook	Green Stem		I	
	Rippey	W. Fehr/K. Scholbrook	Green Stem		II	
IL	Ponitac	J. Klein, C. Schmidt	SDS	I-II		
	Paris	J. Klein, C. Schmidt	SDS	I-II		
	Carmi	J. Klein, C. Schmidt	SDS	III-IV		
	Valmayer	J. Klein, C. Schmidt	SDS	III-IV		
IN	Lafayette	S. Abney	PS	I-IV	I-IV	I-IV
	Lafayette	S. Abney	P&SB	I-IV	I-IV	I-IV
	Lafayette	S. Abney/W. Crochet	PR 4 &PR 7	00-IV	I-IV	I-IV
	Lafayette	W. Crochet	Descriptive Code	00-IV	I-IV	I-IV
MN	Wilkins Co.	J.H. Orf	Fe Chlorosis	00-IV	0,I	
ONT	Harrow	V. Poysa/B. Armstrong	Green Stem		II	II
KS	Ashland	W. Schapaugh, Jr.	Shattering Score	00-IV	0-IV	0-IV
QUE	Saint Bruno	G. Tremblay	Green Stem	00-I	0-I	0-I

Uniform Test 00, 2003

Ent.	Strain	Parentage	Previous Testing	Generation Composited	Unique Traits
1.	M94-135066	Harmony x OT92-8	3	F5	Rps1
2.	Jim	Sigco KG20 x M81-18	3	F5	
3.	Glacier	McCall x Altona	7	F4	Rps6
4.	Traill (0)	M82-996 x Sigco KG20	8	F5	
5.	M97-115063	MN0301 x Tracker	-	F5	Rps1
6.	M97-120001	Agassiz x MN0201	-	F5	Rps1
7.	M97-121030	MN0302 x 9004	-	F5	Rps1k
8.	M97-121119	MN0302 x 9004	-	F5	Rps1k
9.	M98-101137	M90-137050 x Traill	-	F4	Rps1 Chl
10.	ND99-2282	ND93-5849 x Pioneer 9004	-	F5	Rps4
11.	ND99-3315	SL91-564 x ND93-5849	1	F5	Rps4
12.	OAC 00-01	OAC Bayfield x (OT89-16 x OAC Shire)	-	F5	
13.	OAC 00-09	OAC Atwood x OAC Vision	1	F5	
14.	OAC 01-12	ND(M)90-705 x OAC Klondike	1	F5	
15.	OAC 01-13	Pride Seeds PS 42 x E86237	1	F5	
16.	OAC 02-02	OAC 97-02 x OAC Bayfield	-	F5	
17.	OAC 02-06	ND91-2721 x OAC 97-07	-	F5	
18.	OAC 02-07	ND91-2721 x OAC Erin	-	F5	

UNIFORM TEST 00, 2003

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Wilkin Co. MN	Green Stem Score St. Bruno Que	Green Stem Score Morden Man	Shatteriing Score Ashland KS	PR Lafayette Race 4	PR Lafayette Race 7
M94-135066	PTBDYBrI	2.2	.	1.3	1.0	R	R
Jim	PGBDYYI	2.8	1.0	1.0	1.0	S	S
Glacier	PTBDYYI	2.3	.	1.0	1.0	S	S
Traill (0)	PTBIYYI	2.2	1.0	2.7	2.0	H	R
M97-115063	PGBDYYI	2.2	.	2.0	1.0	S	S
M97-120001	PGBDYYI	2.5	1.0	3.7	1.0	S	S
M97-121030	PGTDYBfI	2.8	1.0	1.7	2.0	R	R
M97-121119	PGTDYYI	2.2	1.0	4.0	1.0	R	R
M98-101137	PTBDYYI	2.3	2.0	2.7	1.0	S	S
ND99-2282	PGBDYGI	2.7	1.0	3.7	1.0	S	R
ND99-3315	PGBDYYI	2.7	1.0	1.3	2.0	S	S
OAC 00-01	WTBIYBrI	3.5	2.0	4.3	3.0	S	S
OAC 00-09	WTBIYYI	3.7	.	2.3	2.0	S	S
OAC 01-12	PTBIYYI	3.5	.	1.7	2.0	S	H
OAC 01-13	PTBIYYI	2.7	1.0	2.0	1.0	S	S
OAC 02-02	PTBIYYI	2.7	.	2.0	1.0	S	S
OAC 02-06	PGBSYYI	2.3	1.0	1.3	1.0	S	S
OAC 02-07	WGBDYYI	3.3	.	5.0	2.0	S	S

UNIFORM TEST 00, 2003

REGIONAL SUMMARY

								Composition	
	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	Protein	Oil
No. of Tests	9	9	9	9	9	7	7	5	5
Strain	bu/a	No.	Date	Score	In	g/100	Score	%	%
M94-135066	38.8	12	9/12	1.5	28	16.4	1.6	39.8	21.3
Jim	40.8	8	0.7	1.4	26	17.5	1.4	40.8	20.0
Glacier	38.8	12	2.0	1.5	27	15.4	1.5	40.6	20.3
Traill (0)	19.5	18	9.8	1.4	25	15.8	1.8	41.1	20.6
M97-115063	39.8	10	2.3	1.3	26	15.1	1.5	41.4	19.9
M97-120001	39.4	11	6.4	1.4	30	13.8	1.8	42.2	20.6
M97-121030	41.0	5	3.1	1.4	29	14.5	1.6	41.3	20.2
M97-121119	40.9	6	6.0	1.6	31	15.1	1.6	39.6	21.2
M98-101137	42.9	2	6.3	1.5	30	15.6	1.8	41.6	20.0
ND99-2282	36.2	17	9.7	1.5	27	14.0	1.8	39.7	21.2
ND99-3315	36.3	16	4.7	1.6	26	16.2	1.5	41.5	20.9
OAC 00-01	46.4	1	9.1	1.5	30	16.1	1.5	40.2	21.0
OAC 00-09	41.1	4	4.7	1.6	27	16.5	1.4	39.9	20.7
OAC 01-12	42.3	3	1.3	1.7	28	17.2	1.5	40.5	20.7
OAC 01-13	40.9	6	5.8	1.3	25	17.4	1.5	41.3	21.0
OAC 02-02	37.0	15	-0.1	1.2	23	20.4	1.3	41.2	21.0
OAC 02-06	38.5	14	2.6	1.3	25	15.1	1.4	40.6	21.0
OAC 02-07	40.4	9	1.7	1.5	24	14.4	1.3	38.8	20.8

110.1 Days After Planting

UNIFORM TEST 00, 2003

2002-2003 2-YEAR MEAN

Strain	Yield bu/a	Rank No.	Maturity Date	Lodging Score	Plant Height In.	Seed Size g/100	Seed Quality Score	Composition Protein %	Composition Oil %
No. of Tests	17	17	17	17	17	14	13	10	10
M94-135066	37.8	6	9/11	1.3	29	16.3	1.6	40.1	20.9
Jim	39.5	4	1.5	1.3	27	17.2	1.4	40.8	19.4
Glacier	38.3	5	2.8	1.6	27	15.5	1.5	41.1	19.6
Traill (0)	30.2	8	7.9	1.5	27	16.4	1.7	41.4	20.1
ND99-3315	36.8	7	4.7	1.4	26	16.8	1.6	41.9	20.5
OAC 00-09	40.3	3	4.4	1.3	26	16.4	1.4	40.3	20.2
OAC 01-12	40.7	2	1.7	1.6	28	17.0	1.5	39.8	20.4
OAC 01-13	41.3	1	7.5	1.4	26	17.9	1.8	40.9	20.6

111.2 Days After Planting

2001-2003 3-YEAR MEAN

Strain	Yield bu/a	Rank No.	Maturity Date	Lodging Score	Plant Height In.	Seed Size g/100	Seed Quality Score	Composition Protein %	Composition Oil %
No. of Tests	25	25	25	24	25	21	20	15	15
M94-135066	36.8	3	9/13	1.4	30	15.8	1.6	39.9	21.2
Jim	38.4	2	1.2	1.4	28	16.6	1.4	40.6	19.9
Glacier	36.7	4	2.1	1.6	28	15.0	1.5	40.6	20.1
Traill (0)	32.6	5	6.8	1.5	29	16.1	1.6	41.2	20.4
OAC 00-09	40.6	1	3.6	1.3	28	16.1	1.4	40.1	20.6

110.2 Days After Planting

UNIFORM TEST 00, 2003

YIELD (bu/a)

Strain	Mean 9 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morden Man	Crookston MN	Moorhead MN	Shelly MN
M94-135066	38.8	54.5	7.0	58.5	27.8	22.3	34.0
Jim	40.8	50.9	11.3	67.7	29.9	17.8	35.3
Glacier	38.8	54.7	10.6	67.8	25.9	23.7	30.8
Traill (0)	19.5	52.0	2.7	20.5	17.9	18.0	35.5
M97-115063	39.8	48.2	9.7	63.2	33.2	28.9	37.4
M97-120001	39.4	47.8	12.4	56.9	30.6	28.6	29.7
M97-121030	41.0	45.9	10.3	59.5	33.1	32.0	36.0
M97-121119	40.9	52.0	5.9	58.1	35.1	30.4	36.0
M98-101137	42.9	48.7	14.7	63.8	41.1	29.5	35.3
ND99-2282	36.2	45.6	12.5	45.4	28.0	30.6	34.6
ND99-3315	36.3	46.9	9.4	60.1	26.6	23.6	28.0
OAC 00-01	46.4	51.6	8.8	62.3	43.4	31.5	39.2
OAC 00-09	41.1	53.0	21.7	60.5	42.4	28.7	39.1
OAC 01-12	42.3	53.5	16.5	70.5	36.5	32.1	39.8
OAC 01-13	40.9	49.8	19.1	57.2	37.0	30.3	34.2
OAC 02-02	37.0	44.4	11.3	59.4	24.5	17.7	37.5
OAC 02-06	38.5	37.4	5.1	58.5	35.9	25.6	36.2
OAC 02-07	40.4	43.9	6.0	65.4	36.1	24.3	40.2
C.V. (%)		10.3	20.1	9.4	13.9	15.2	10.4
L.S.D. (5%)		8.3	6.9	7.6	7.6	6.7	6.1
Row Sp. (in.)		7.5	7.5	8	12	10	10
Rows/Plot		7	9	5	8	8	8
Reps		3	3	3	3	3	3

*Data not included in mean.

UNIFORM TEST 00, 2003

YIELD (bu/a)

Strain	Casselton ND	Beachburg Ont.	Dundalk Ont.	Elora Ont.	St. Bruno Montarville Que.
M94-135066	19.9	55.3	55.6	51.8	23.9
Jim	27.7	51.0	57.0	54.2	27.0
Glacier	26.8	50.9	55.1	52.7	15.8
Traill (0)		29.0	9.3	11.7	14.3
M97-115063	28.8	50.3	44.6	47.7	23.8
M97-120001	36.5	49.8	44.6	48.7	29.6
M97-121030	32.8	58.4	45.9	44.0	27.0
M97-121119	29.7	55.7	45.3	50.0	27.4
M98-101137	36.4	53.4	48.4	53.5	24.6
ND99-2282	17.1	58.1	38.4	46.6	26.6
ND99-3315	30.0	51.5	39.5	42.8	24.5
OAC 00-01	40.1	55.8	55.6	55.9	34.1
OAC 00-09	27.6	53.9	41.6	50.7	25.0
OAC 01-12	25.6	57.4	50.5	45.0	23.5
OAC 01-13	30.9	52.2	51.5	47.9	26.8
OAC 02-02	20.3	55.1	47.9	43.9	26.4
OAC 02-06	20.0	52.5	43.9	48.2	25.6
OAC 02-07	25.9	54.8	42.5	51.4	22.7
C.V. (%)	13.0	7.3	7.6	11.2	12.4
L.S.D. (5%)	5.8	7.2	4.8	7.3	7.3
Row Sp. (in.)	30	20cm	14	14	7
Rows/Plot	4	6	4	4	5
Reps	3	3	3	3	2

UNIFORM TEST 00, 2003

YIELD RANK

Strain	Yield Rank	Fayetteville* irrigated AR	Keiser* irrigated AR	Morden Man	Crookston MN	Moorhead MN	Shelly MN
M94-135066	12	2	14	12	14	15	15
Jim	8	8	7	3	12	17	11
Glacier	12	1	9	2	16	13	16
Traill (0)	18	5	18	18	18	16	10
M97-115063	10	11	11	6	9	8	6
M97-120001	11	12	6	16	11	10	17
M97-121030	5	14	10	10	10	2	8
M97-121119	6	5	16	14	8	5	8
M98-101137	2	10	4	5	3	7	11
ND99-2282	17	15	5	17	13	4	13
ND99-3315	16	13	12	9	15	14	18
OAC 00-01	1	7	13	7	1	3	3
OAC 00-09	4	4	1	8	2	9	4
OAC 01-12	3	3	3	1	5	1	2
OAC 01-13	6	9	2	15	4	6	14
OAC 02-02	15	16	8	11	17	18	5
OAC 02-06	14	18	17	12	7	11	7
OAC 02-07	9	17	15	4	6	12	1

*Data not included in mean.

UNIFORM TEST 00, 2003

YIELD RANK

Strain	Casselton ND	Beachburg Ont.	Dundalk Ont.	Elora Ont.	St. Bruno Montarville Que.
M94-135066	16	6	2	5	13
Jim	9	14	1	2	4
Glacier	11	15	4	4	17
Traill (0)	18	18	18	18	18
M97-115063	8	16	11	12	14
M97-120001	2	17	11	9	2
M97-121030	4	1	9	15	5
M97-121119	7	5	10	8	3
M98-101137	3	10	7	3	11
ND99-2282	17	2	17	13	7
ND99-3315	6	13	16	17	12
OAC 00-01	1	4	2	1	1
OAC 00-09	10	9	15	7	10
OAC 01-12	13	3	6	14	15
OAC 01-13	5	12	5	11	6
OAC 02-02	14	7	8	16	8
OAC 02-06	15	11	13	10	9
OAC 02-07	12	8	14	6	16

UNIFORM TEST 00, 2003

MATURITY (date)

Strain	Mean 9 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morden Man	Crookston MN	Moorhead MN	Shelly MN
M94-135066	9/12	7/25	7/15	9/13	9/9	9/5	9/8
Jim	0.7	0	1	1	0	0	-2
Glacier	2.0	-1	-2	1	6	5	3
Traill (0)	9.8	5	11	10	11	11	9
M97-115063	2.3	1	-3	2	3	3	4
M97-120001	6.4	0	-2	11	3	10	7
M97-121030	3.1	-1	-2	5	5	6	4
M97-121119	6.0	2	0	11	3	6	6
M98-101137	6.3	2	-1	7	8	8	7
ND99-2282	9.7	2	-1	13	17	13	10
ND99-3315	4.7	2	1	7	6	5	1
OAC 00-01	9.1	3	2	9	12	9	8
OAC 00-09	4.7	2	1	6	3	9	6
OAC 01-12	1.3	2	1	1	2	1	4
OAC 01-13	5.8	2	2	5	6	10	7
OAC 02-02	-0.1	0	1	0	-2	1	0
OAC 02-06	2.6	2	1	8	-1	2	1
OAC 02-07	1.7	0	-4	1	0	0	-1
Date Planted	5/25	4/28	4/21	5/14	5/14	6/3	6/4
Days to Mature	110	88	85	122	118	94	96

*Data not included in mean.

UNIFORM TEST 00, 2003

MATURITY (date)

Strain	Casselton ND	Beachburg Ont.	Dundalk Ont.	Elora Ont.	St. Bruno Montarville Que.
M94-135066	9/10	9/21	9/26	9/11	9/12
Jim	-2	3	2	1	3
Glacier	2	1	1	-1	0
Traill (0)		8	12	13	4
M97-115063	1	2	5	1	0
M97-120001	6	5	9	3	4
M97-121030	2	1	4	-2	3
M97-121119	5	6	8	3	6
M98-101137	8	5	5	4	5
ND99-2282	1	8	13	4	8
ND99-3315	5	3	10	-1	6
OAC 00-01	12	8	11	6	7
OAC 00-09	3	4	7	3	1
OAC 01-12	2	2	0	1	-1
OAC 01-13	9	4	4	0	7
OAC 02-02	-2	2	0	0	0
OAC 02-06	-1	5	1	2	6
OAC 02-07	0	6	6	2	1
Date Planted	5/23	6/4	5/23	5/22	5/31
Days to Mature	110	109	126	112	104

UNIFORM TEST 00, 2003

LODGING (score)

Strain	Mean 9 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morden Man	Crookston MN	Moorhead MN	Shelly MN
M94-135066	1.5	1.0	1.0	1.0	1.0	1.0	1.0
Jim	1.4	1.0	1.0	2.3	1.0	1.0	1.0
Glacier	1.5	1.0	1.0	2.0	1.0	1.0	1.0
Traill (0)	1.4	1.0	1.0	1.3	1.0	1.0	1.0
M97-115063	1.3	1.0	1.0	1.3	1.0	1.0	1.0
M97-120001	1.4	1.0	1.0	1.7	1.0	1.0	1.0
M97-121030	1.4	1.0	1.0	2.0	1.0	1.0	1.0
M97-121119	1.6	1.0	1.0	2.7	1.0	1.0	1.0
M98-101137	1.5	1.0	1.0	2.0	1.0	1.0	1.0
ND99-2282	1.5	1.0	1.0	2.0	1.0	1.0	1.0
ND99-3315	1.6	1.0	1.0	2.7	1.0	1.0	1.0
OAC 00-01	1.5	1.0	1.0	2.3	1.0	1.0	1.0
OAC 00-09	1.6	1.0	1.0	2.3	1.0	1.0	1.0
OAC 01-12	1.7	1.3	1.0	2.0	1.0	1.0	1.0
OAC 01-13	1.3	1.0	1.0	2.0	1.0	1.0	1.0
OAC 02-02	1.2	1.0	1.0	1.3	1.0	1.0	1.0
OAC 02-06	1.3	1.0	1.0	1.7	1.0	1.0	1.0
OAC 02-07	1.5	1.0	1.0	2.3	1.0	1.0	1.0

*Data not included in mean.

UNIFORM TEST 00, 2003

LODGING (score)

Strain	Casselton ND	Beachburg Ont.	Dundalk Ont.	Elora Ont.	St. Bruno Montarville Que.
M94-135066	1.0	3.3	2.5	1.3	1.0
Jim	1.0	3.1	1.5	1.0	1.0
Glacier	1.0	3.1	1.8	1.2	1.0
Traill (0)		2.6	2.2	1.2	1.0
M97-115063	1.0	2.7	1.5	1.0	1.0
M97-120001	1.0	2.7	2.3	1.0	1.0
M97-121030	1.0	2.5	2.3	1.0	1.0
M97-121119	1.0	3.0	2.7	1.3	1.0
M98-101137	1.0	2.6	2.3	1.5	1.0
ND99-2282	1.0	2.1	3.2	1.0	1.0
ND99-3315	1.0	3.4	2.7	1.0	1.0
OAC 00-01	1.0	2.6	2.2	1.2	1.0
OAC 00-09	1.0	3.6	2.3	1.2	1.0
OAC 01-12	1.0	3.5	3.3	1.5	1.0
OAC 01-13	1.0	2.6	1.5	1.0	1.0
OAC 02-02	1.0	2.2	1.0	1.2	1.0
OAC 02-06	1.0	2.5	1.5	1.0	1.0
OAC 02-07	1.0	3.4	1.7	1.0	1.0

UNIFORM TEST 00, 2003

PLANT HEIGHT (inches)

Strain	Mean 9 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morden Man	Crookston MN	Moorhead MN	Shelly MN
M94-135066	28	23	7	42	19	21	26
Jim	26	20	8	41	18	17	23
Glacier	27	22	9	38	18	23	28
Traill (0)	25	16	7	35	16	19	28
M97-115063	26	21	7	37	20	21	28
M97-120001	30	19	7	44	26	23	27
M97-121030	29	22	8	43	21	22	29
M97-121119	31	21	8	45	22	29	33
M98-101137	30	24	9	43	26	25	29
ND99-2282	27	20	7	38	19	22	29
ND99-3315	26	23	8	43	19	20	26
OAC 00-01	30	25	9	42	26	26	30
OAC 00-09	27	25	9	40	22	22	24
OAC 01-12	28	26	8	41	23	23	26
OAC 01-13	25	22	8	35	21	21	27
OAC 02-02	23	22	8	36	15	16	25
OAC 02-06	25	19	7	38	16	17	28
OAC 02-07	24	17	7	34	17	15	26

*Data not included in mean.

UNIFORM TEST 00, 2003

PLANT HEIGHT (inches)

Strain	Casselton ND	Beachburg Ont.	Dundalk Ont.	Elora Ont.	St. Bruno Montarville Que.
M94-135066	23	35	36	30	20
Jim	22	33	32	28	18
Glacier	25	32	30	29	18
Traill (0)		31	27	25	17
M97-115063	25	35	32	24	15
M97-120001	30	36	33	29	23
M97-121030	28	37	34	28	19
M97-121119	30	36	33	26	21
M98-101137	31	38	33	29	19
ND99-2282	22	31	30	28	20
ND99-3315	26	32	29	23	19
OAC 00-01	30	35	31	29	22
OAC 00-09	24	34	30	27	18
OAC 01-12	27	35	34	28	19
OAC 01-13	26	30	28	23	19
OAC 02-02	21	29	26	25	17
OAC 02-06	20	34	29	23	17
OAC 02-07	19	34	30	25	14

UNIFORM TEST 00, 2003

SEED SIZE (g/100)

Strain	Mean 7 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morden Man	Crookston MN	Moorhead MN	Shelly MN
M94-135066	16.4	14.5			16.0	13.9	14.5
Jim	17.5	14.7			17.6	13.3	13.8
Glacier	15.4	14.0			14.0	11.0	14.0
Traill (0)	15.8	18.0			16.0	14.4	14.8
M97-115063	15.1	13.1			13.9	11.7	12.9
M97-120001	13.8	12.8			12.7	12.1	12.3
M97-121030	14.5	12.6			15.1	12.9	13.7
M97-121119	15.1	14.1			14.8	11.7	13.8
M98-101137	15.6	13.5			13.4	12.6	13.7
ND99-2282	14.0	12.2			15.4	11.2	12.4
ND99-3315	16.2	14.3			15.1	13.3	13.5
OAC 00-01	16.1	14.0			14.7	11.6	13.0
OAC 00-09	16.5	14.0			16.6	12.9	13.9
OAC 01-12	17.2	14.6			17.4	13.5	14.8
OAC 01-13	17.4	15.9			16.3	14.4	14.7
OAC 02-02	20.4	16.0			18.8	16.6	17.3
OAC 02-06	15.1	12.4			15.3	13.6	12.6
OAC 02-07	14.4	12.1			14.4	11.4	12.2

*Data not included in mean.

UNIFORM TEST 00, 2003

SEED SIZE (g/100)

Strain	Casselton ND	Beachburg Ont.	Dundalk Ont.	Elora Ont.	St. Bruno Montarville Que.
M94-135066		19.2	18.3	17.3	15.4
Jim		21.1	21.0	18.3	17.6
Glacier		19.1	17.8	17.2	14.4
Traill (0)		17.8	17.0	14.8	15.7
M97-115063		18.6	19.2	15.0	14.2
M97-120001		15.4	17.2	13.3	13.5
M97-121030		16.4	18.1	12.1	13.5
M97-121119		17.5	18.6	14.3	14.9
M98-101137		19.8	18.1	16.4	15.5
ND99-2282		15.7	16.9	13.0	13.7
ND99-3315		20.1	19.5	15.9	16.3
OAC 00-01		21.0	18.5	17.4	16.5
OAC 00-09		20.6	17.8	17.1	16.3
OAC 01-12		21.1	18.8	18.7	16.0
OAC 01-13		20.3	19.0	20.0	17.4
OAC 02-02		24.6	24.3	22.3	19.0
OAC 02-06		17.7	15.3	15.1	15.8
OAC 02-07		17.2	17.2	15.0	13.2

UNIFORM TEST 00, 2003

SEED QUALITY (score)

Strain	Mean 7 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morden Man	Crookston MN	Moorhead MN	Shelly MN
M94-135066	1.6	2.2			1.5	1.0	1.0
Jim	1.4	2.5			2.0	1.0	1.3
Glacier	1.5	2.2			2.0	1.0	1.0
Traill (0)	1.8	2.8			3.0	1.0	1.0
M97-115063	1.5	3.2			2.0	1.0	1.0
M97-120001	1.8	2.7			1.5	1.0	1.0
M97-121030	1.6	2.0			1.5	1.0	1.0
M97-121119	1.6	2.7			1.5	1.0	1.0
M98-101137	1.8	3.3			3.0	1.0	1.0
ND99-2282	1.8	2.0			1.5	1.0	1.0
ND99-3315	1.5	3.0			1.5	1.0	1.0
OAC 00-01	1.5	2.7			1.0	1.0	1.0
OAC 00-09	1.4	2.8			1.0	1.0	1.0
OAC 01-12	1.5	2.3			1.5	1.0	1.0
OAC 01-13	1.5	3.0			1.5	1.0	1.0
OAC 02-02	1.3	2.5			1.0	1.0	1.0
OAC 02-06	1.4	2.3			1.5	1.0	1.0
OAC 02-07	1.3	2.2			1.0	1.0	1.0

*Data not included in mean.

UNIFORM TEST 00, 2003

SEED QUALITY (score)

Strain	Casselton ND	Beachburg Ont.	Dundalk Ont.	Elora Ont.	St. Bruno Montarville Que.
M94-135066		2.0	2.0	1.5	2.0
Jim		2.0	1.0	1.5	1.0
Glacier		2.0	1.0	1.5	2.0
Traill (0)		2.0	3.0	1.5	1.0
M97-115063		2.0	1.5	1.5	1.5
M97-120001		2.3	2.5	2.0	2.0
M97-121030		2.0	2.0	2.0	1.5
M97-121119		2.3	2.0	1.5	2.0
M98-101137		2.3	2.5	1.5	1.5
ND99-2282		3.0	3.0	2.0	1.0
ND99-3315		2.3	2.5	1.5	1.0
OAC 00-01		2.3	3.0	1.5	1.0
OAC 00-09		2.0	2.5	1.5	1.0
OAC 01-12		2.3	2.5	1.5	1.0
OAC 01-13		2.3	2.5	1.5	1.0
OAC 02-02		2.0	2.0	1.0	1.0
OAC 02-06		2.0	2.0	1.0	1.0
OAC 02-07		2.0	2.0	1.0	1.0

UNIFORM TEST 00, 2003

PROTEIN (%)

Strain	Mean 5 Tests	Crookston MN	Shelly MN	Casselton ND	Elora Ont.	St. Bruno Montarville Que.
M94-135066	39.8	39.2	40.7	40.5	40.2	38.6
Jim	40.8	41.2	40.5	41.6	41.5	39.2
Glacier	40.6	40.7	41.7	38.6	41.9	40.0
Traill (0)	41.1	40.9	41.9	39.8	42.8	40.3
M97-115063	41.4	42.0	41.8	41.9	41.6	39.6
M97-120001	42.2	42.0	43.8	43.9	41.6	40.0
M97-121030	41.3	42.0	42.7	41.7	41.1	39.2
M97-121119	39.6	39.2	41.0	39.2	39.9	38.7
M98-101137	41.6	42.0	42.7	40.0	42.6	40.9
ND99-2282	39.7	40.8	41.0	37.2	40.5	39.1
ND99-3315	41.5	42.2	41.2	41.4	42.5	40.2
OAC 00-01	40.2	38.4	41.0	41.3	41.1	39.3
OAC 00-09	39.9	39.5	40.7	39.0	40.7	39.4
OAC 01-12	40.5	39.8	41.1	40.9	41.1	39.4
OAC 01-13	41.3	39.8	42.4	41.2	42.4	40.7
OAC 02-02	41.2	40.4	41.6	42.8	41.4	40.0
OAC 02-06	40.6	40.4	41.4	40.9	40.7	39.4
OAC 02-07	38.8	38.3	39.1	38.3	39.7	38.6

UNIFORM TEST 00, 2003

OIL (%)

Strain	Mean 5 Tests	Crookston MN	Shelly MN	Casselton ND	Elora Ont.	St. Bruno Montarville Que.
M94-135066	21.3	20.6	20.5	20.2	21.6	23.6
Jim	20.0	18.6	19.8	20.3	19.4	22.0
Glacier	20.3	19.1	19.5	20.7	20.3	21.9
Traill (0)	20.6	19.4	20.6	21.4	19.5	22.2
M97-115063	19.9	19.0	19.4	19.9	19.3	21.9
M97-120001	20.6	20.7	19.9	20.3	19.9	22.4
M97-121030	20.2	19.1	19.9	20.5	19.7	22.1
M97-121119	21.2	20.6	20.9	21.4	20.7	22.6
M98-101137	20.0	19.2	19.3	20.2	19.6	21.8
ND99-2282	21.2	20.0	20.2	22.1	20.8	22.9
ND99-3315	20.9	19.7	21.4	20.9	20.0	22.3
OAC 00-01	21.0	20.0	20.3	21.2	21.0	22.7
OAC 00-09	20.7	20.2	20.0	20.6	20.5	22.1
OAC 01-12	20.7	19.0	19.7	21.3	20.8	22.7
OAC 01-13	21.0	20.7	20.6	21.1	20.3	22.3
OAC 02-02	21.0	21.1	20.2	19.0	21.4	23.4
OAC 02-06	21.0	20.3	20.3	21.1	20.6	22.6
OAC 02-07	20.8	19.8	20.2	21.2	20.1	22.6

Uniform Test 0, 2003

Ent.	Strain	Parentage	Previous Testing	Generation Composited	Unique Traits
1	Lambert (0)	M75-274 x M76-151	15	F5	Rps1
2.	Parker (I)	A79-136012 x Dawson	12	F5	Rps1
3.	Surge (L)	A86-204022 x Kato	4	F5	
4.	Traill (E)	M82-996 x Sigco KG20	7	F5	
5.	MN0902CN (SCN)	Jack x Alpha	6	F5	SCN
6.	M95-116024	Glacier X Northrup King S19-90	PT0	F4	W-Mold
7.	M96-140012	Lambert (3) x Marcus 95	1	F4	Rps6
8.	M96-355009	M91-116124 x MN1301	PT0	F5	Rps1-k
9.	M96-356062	M92-674 x M92-1708	PT0	F5	SCN+Rps1
10.	M96-368038	Surge x A94-572028	PTI	F5	Rps1-k
11.	M96-393101	D-138 x Lambert	PT0	F4	Rps1
12.	M96-403029	MN0901 x M91-113037	PT0	F5	Rps1-k
13.	ND98-2252	SD92-1323 x M90-370	1	F5	Rps1c
14.	ND99-2156	SL91-564 x Pioneer P9092	PT0	F4	Rps1c
15.	ND99-2169	SL91-564 x Pioneer P9092	PT0	F4	Rps1c
16.	ND99-2608	SL91-564 x Pioneer P9092	PT0	F4	Rps1c
17.	ND99-2614	SL91-564 x Pioneer P9092	PT0	F4	Rps1c
18.	ND99-2621	SL91-564 x Pioneer P9092	PT0	F4	Rps1c
19.	OAC 00-22	A92-525014 x (OT89-16 x OAC Shire)	1	F5	
20.	OAC 00-33	OAC Bayfield x (OT89-16 x OAC Shire)	1	F5	
21.	OAC 01-25	OAC Bright x (Pride Seeds PS42 x M86-571)	PT0	F5	
22.	ORC 2001	Unknown	1	F5	
23.	SD99-700	SD93-954 x Elgin 87	PT0	F5	Rps1-k
24.	SD99-1236	Norsoy x Erie	PTI	F5	Rps1-k
25.	SD99-1358	SD(M)93-256 x (OT91-3 x Hendricks)	PT0	F5	Rps1-a

UNIFORM TEST 0, 2003

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Wilkin Co. MN	Shattering Score Manhattan	Green Stem Score Fayetteville AR	Green Stem Score St. Bruno Que	PR Lafayette Race 4	PR Lafayette Race 7
Lambert (0)	PGBSYLbfI	3.0	2.0	1.0	1.5	S	S
Parker (I)	WGBDYBfI	3.5	1.0	1.0	2.0	S	S
Surge (L)	PGBDYIbI	3.3	1.0	1.0	1.0	S	R
Traill (E)	PTBIYYI	3.2	1.0	1.0	2.0	H	S
MN0902CN (SCN)	WTTIYYI	2.8	1.0	1.0	3.0	H	S
M95-116024	PTBDYYI	3.0	1.0	1.0	1.5	R	R
M96-140012	P+WGBIYDbfI	3.7	1.0	1.0	2.0	S	S
M96-355009	PGBDYYI	3.0	1.0	1.0	2.0	R	R
M96-356062	PSBDYBlI	3.2	1.0	1.0	1.0	H	H
M96-368038	PTBDYBlI	2.5	1.0	1.0	1.5	R	R
M96-393101	PGBIYIb+BfI	2.7	2.0	1.0	1.0	S	S
M96-403029	WGBDYYI	3.2	1.0	1.0	2.0	R	R
ND98-2252	WTBDYDbfI	2.5	1.0	1.0	2.0	S	R
ND99-2156	PGTDYLGrI	3.0	1.0	1.0	1.5	S	H
ND99-2169	PGTDYLGrI	3.0	1.0	1.0	1.0	S	R
ND99-2608	PGBDYLGrI	2.0	2.0	1.0	1.0	S	R
ND99-2614	PGTDYYI	2.5	2.0	1.0	1.0	S	S*
ND99-2621	PGBSYYI	3.2	1.0	1.3	.	S	R
OAC 00-22	WTBDYDbrI	2.5	2.0	1.0	2.0	S	S
OAC 00-33	PTBIYDbrI	3.2	1.0	1.0	1.5	S	S
OAC 01-25	PTBDYYI	2.8	2.0	1.0	2.5	S	R
ORC 2001	PTBIYBlI	3.3	1.0	1.0	1.5	R	S
SD99-700	WTBDYBlI	2.3	2.0	1.0	2.0	R	R
SD99-1236	P+WGBDYBfI	2.8	1.0	1.0	1.0	R	R
SD99-1358	PGBDYIbI	3.8	1.0	1.0	1.0	S	R*

* = entry being retested.

UNIFORM TEST 0, 2003

REGIONAL SUMMARY

Strain	Yield 7 bu/a	Rank 7 No.	Maturity 8 Date	Lodging 8 Score	Plant Height 8 In.	Seed Size 7 g/100	Seed Quality 7 Score	Composition Protein 5 %	Composition Oil 5 %
No. of Tests	7	7	8	8	8	7	7	5	5
Lambert (0)	35.9	9	9/14	1.3	29	15.3	1.6	41.9	20.6
Parker (I)	38.0	3	5.1	1.7	34	15.7	1.6	39.7	20.3
Surge (L)	37.6	4	1.4	1.3	28	17.2	1.7	42.0	20.4
Traill (E)	21.9	25	-4.6	1.2	24	16.0	1.8	41.2	20.4
MN0902CN (SCN)	35.1	14	0.4	1.3	29	13.3	1.8	42.5	19.3
M95-116024	32.6	19	-4.6	1.6	31	15.0	1.9	42.3	19.2
M96-140012	37.5	6	2.3	1.3	32	15.1	1.6	41.7	20.2
M96-355009	39.0	1	2.5	1.3	31	14.8	1.9	40.2	19.8
M96-356062	31.3	23	-2.0	1.2	31	14.0	1.7	41.0	20.2
M96-368038	35.9	9	4.1	1.2	30	16.6	1.9	43.1	18.7
M96-393101	36.6	8	1.3	1.5	32	16.2	1.9	43.1	19.3
M96-403029	35.0	15	0.5	1.3	29	15.3	2.0	41.3	19.9
ND98-2252	31.6	22	1.4	1.3	31	14.2	1.9	39.8	20.2
ND99-2156	32.3	21	-3.1	1.1	28	13.3	2.0	39.6	21.2
ND99-2169	32.5	20	-5.3	1.0	26	13.1	1.8	39.6	21.4
ND99-2608	36.8	7	-3.0	1.1	31	12.6	1.8	39.8	21.4
ND99-2614	33.4	16	-0.4	1.7	31	13.2	1.9	41.2	20.8
ND99-2621	26.2	24	-9.0	1.2	25	14.5	1.9	41.0	20.4
OAC 00-22	33.4	16	2.5	1.2	33	13.1	1.8	39.8	19.5
OAC 00-33	38.2	2	1.0	1.1	30	16.3	2.1	39.1	20.8
OAC 01-25	37.6	4	3.9	1.1	29	16.6	2.0	40.7	19.6
ORC 2001	33.0	18	7.3	1.1	29	14.7	1.7	40.2	20.9
SD99-700	35.3	13	1.3	1.0	28	17.9	2.1	42.3	19.9
SD99-1236	35.5	12	5.4	1.2	31	13.7	2.0	42.3	20.0
SD99-1358	35.9	9	0.3	1.2	31	19.6	2.5	42.3	19.4

112.8 Days After Planting

UNIFORM TEST 0, 2003

2003-2003 2-YEAR MEAN

Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	Composition Protein	Composition Oil
No. of Tests	16	16	17	17	17	16	15	10	10
	bu/a	No.	Date	Score	In.	g/100	Score	%	%
Lambert (0)	41.0	6	9/15	1.4	30	16.4	1.9	41.8	20.1
Parker (I)	43.8	1	6.5	1.8	36	16.9	1.8	40.2	19.8
Surge (0)	43.0	4	1.4	1.3	30	18.7	1.9	41.7	20.0
Traill (E)	31.6	10	-6.9	1.4	27	16.3	1.9	41.6	19.5
MN0902CN (SCN)	39.6	8	-0.4	1.4	30	13.8	1.8	42.2	18.9
M96-140012	42.1	5	2.5	1.5	33	16.3	2.0	41.5	19.9
ND98-2252	38.8	9	0.4	1.3	31	15.3	2.3	40.0	19.6
OAC 00-22	39.9	7	1.8	1.3	33	14.6	2.0	40.1	19.1
OAC 00-33	43.4	2	1.2	1.2	31	17.2	2.1	39.1	20.2
ORC 2001	43.2	3	5.5	1.2	30	16.0	1.7	40.1	20.2

116.5 Days After Planting

UNIFORM TEST 0, 2003

YIELD (bu/a)

Strain	Mean 7 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morris MN	Rosemount MN	Portageville* (Loam) MO	Casselton ND
Lambert (0)	35.9	52.0	7.2	42.7	28.3	8.4	34.8
Parker (I)	38.0	56.6	33.4	45.0	28.1	20.6	35.7
Surge (L)	37.6	54.7	8.4	37.6	33.9	16.2	30.9
Traill (E)	21.9	52.0	2.8	22.5	27.0	2.2	
MN0902CN (SCN)	35.1	53.6	7.6	40.3	33.7	13.2	34.2
M95-116024	32.6	55.3	26.5	36.7	29.5	17.3	33.1
M96-140012	37.5	54.0	10.8	42.3	36.5	11.7	37.9
M96-355009	39.0	53.9	6.8	48.4	37.7	22.3	44.5
M96-356062	31.3	51.4	11.6	38.5	23.9	12.8	21.9
M96-368038	35.9	52.6	10.7	43.0	32.4	21.8	32.6
M96-393101	36.6	54.1	30.8	41.5	28.9	26.8	31.3
M96-403029	35.0	55.2	13.9	36.6	35.9	15.3	28.8
ND98-2252	31.6	51.5	6.9	34.5	41.8	13.0	33.6
ND99-2156	32.3	51.0	6.0	42.1	39.9	6.7	20.3
ND99-2169	32.5	48.8	5.0	36.6	41.4	6.5	20.5
ND99-2608	36.8	52.4	3.9	39.9	46.0	11.2	31.5
ND99-2614	33.4	45.5	9.7	33.4	30.8	14.3	29.6
ND99-2621	26.2	51.6	3.1	26.9	30.8	12.6	23.3
OAC 00-22	33.4	54.6	15.9	37.1	31.9	14.0	26.5
OAC 00-33	38.2	57.1	19.8	41.7	45.0	14.3	32.3
OAC 01-25	37.6	57.3	7.2	47.2	35.4	21.6	28.6
ORC 2001	33.0	45.0	27.4	38.3	36.2	10.4	
SD99-700	35.3	53.8	18.4	38.5	41.2	12.5	26.2
SD99-1236	35.5	50.6	21.6	45.2	32.2	24.4	35.1
SD99-1358	35.9	52.3	21.9	35.9	42.5	19.5	37.1
C.V. (%)		10.2	22.0	10.8	17.3	18.1	
L.S.D. (5%)		8.8	8.8	6.9	9.9	3.7	
Row Sp. (In.)		7.5	7.5	10	10	7.5	30
Rows/Plot		7	9	10	10	6	4
Reps		3	3	3	3	3	3

*Data not included in mean.

UNIFORM TEST 0, 2003

YIELD (bu/a)

Strain	Ottawa Ont	Woodstock Ont	St. Bruno Montarville Que.	Brookings SD	Watertown* SD
Lambert (0)	56.5	44.5	29.6	34.5	16.2
Parker (I)	62.0	44.9	31.2	38.7	18.1
Surge (L)	60.9	42.2	33.0	39.6	22.9
Traill (E)	42.6	13.3	12.5	23.3	12.3
MN0902CN (SCN)	53.8	40.4	27.5	31.1	19.7
M95-116024	48.8	41.4	25.6	30.9	15.1
M96-140012	56.4	44.4	31.5	34.9	16.3
M96-355009	57.2	45.7	29.3	32.0	17.4
M96-356062	54.7	40.8	24.7	28.3	17.4
M96-368038	56.5	42.6	33.0	33.0	13.8
M96-393101	58.1	50.2	28.4	37.0	17.1
M96-403029	58.9	43.5	27.8	33.1	15.1
ND98-2252	47.4	31.5	20.2	30.5	13.0
ND99-2156	55.9	32.5	22.0	29.9	15.8
ND99-2169	57.8	39.8	20.1	28.1	15.3
ND99-2608	57.1	39.0	30.7	30.7	19.6
ND99-2614	52.5	37.6	32.0	32.0	19.6
ND99-2621	46.0	33.3	13.3	22.8	13.0
OAC 00-22	55.3	38.1	29.7	33.4	15.4
OAC 00-33	60.7	44.3	30.6	34.0	16.9
OAC 01-25	57.1	47.3	34.6	32.4	18.1
ORC 2001	53.4	24.8	28.3	34.0	16.0
SD99-700	58.2	41.9	27.8	32.6	16.1
SD99-1236	52.2	41.6	30.4	33.4	14.0
SD99-1358	53.3	41.1	28.1	30.4	18.5
C.V. (%)	5.9	7.5	10.1	10.9	24.8
L.S.D. (5%)	5.8	4.5	5.4	4.7	5.7
Row Sp. (In.)	40cm	14	7	30	30
Rows/Plot	4	4	5	4	4
Reps	3	3	2	3	2

UNIFORM TEST 0, 2003

YIELD RANK

Strain	Yield Rank	Fayetteville* irrigated AR	Keiser* irrigated AR	Morris MN	Rosemount MN	Portageville (Loam) MO	Casselton ND
Lambert (0)	9	16	17	6	22	22	6
Parker (I)	3	3	1	4	23	6	4
Surge (L)	4	6	15	16	13	9	14
Traill (E)	25	16	25	25	24	25	25
MN0902CN (SCN)	14	12	16	11	14	14	7
M95-116024	19	4	4	18	20	8	9
M96-140012	6	9	12	7	9	19	2
M96-355009	1	10	20	1	8	3	1
M96-356062	23	20	11	13	25	16	21
M96-368038	9	13	13	5	15	4	10
M96-393101	8	8	2	10	21	1	13
M96-403029	15	5	10	19	11	10	16
ND98-2252	22	19	19	22	4	15	8
ND99-2156	21	21	21	8	7	23	23
ND99-2169	20	23	22	19	5	24	22
ND99-2608	7	14	23	12	1	20	12
ND99-2614	16	24	14	23	18	11	15
ND99-2621	24	18	24	24	18	17	20
OAC 00-22	16	7	9	17	17	13	18
OAC 00-33	2	2	7	9	2	11	11
OAC 01-25	4	1	17	2	12	5	17
ORC 2001	18	25	3	15	10	21	25
SD99-700	13	11	8	13	6	18	19
SD99-1236	12	22	6	3	16	2	5
SD99-1358	9	15	5	21	3	7	3

*Data not included in mean.

UNIFORM TEST 0, 2003

YIELD RANK

Strain	Ottawa Ont	Woodstock Ont	St. Bruno Montarville Que.	Brookings SD	Watertown SD
Lambert (0)	11	5	11	5	13
Parker (I)	1	4	6	2	6
Surge (L)	2	10	2	1	1
Traill (E)	25	25	25	24	25
MN0902CN (SCN)	17	16	18	16	2
M95-116024	22	13	19	17	20
M96-140012	13	6	5	4	12
M96-355009	8	3	12	14	8
M96-356062	16	15	20	22	9
M96-368038	12	9	3	11	22
M96-393101	6	1	13	3	10
M96-403029	4	8	17	10	19
ND98-2252	23	23	22	19	23
ND99-2156	14	22	21	21	16
ND99-2169	7	17	23	23	18
ND99-2608	9	18	7	18	4
ND99-2614	20	20	4	15	3
ND99-2621	24	21	24	25	24
OAC 00-22	15	19	10	8	17
OAC 00-33	3	7	8	6	11
OAC 01-25	10	2	1	13	7
ORC 2001	18	24	14	7	15
SD99-700	5	11	16	12	14
SD99-1236	21	12	9	9	21
SD99-1358	19	14	15	20	5

UNIFORM TEST 0, 2003

MATURITY (date)

Strain	Mean 8 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morris MN	Rosemount MN	Portageville* (Loam) MO	Casselton ND
Lambert (0)	9/14	7/28	7/16	9/15	9/6	7/22	9/25
Parker (I)	5.1	2	10	16	3	15	6
Surge (L)	1.4	2	8	-1	2	12	4
Traill (E)	-4.6	-3	-1	2	4	1	
MN0902CN (SCN)	0.4	0	23	8	0	0	-5
M95-116024	-4.6	-2	16	2	-2	0	-4
M96-140012	2.3	1	9	9	1	3	5
M96-355009	2.5	3	12	1	1	6	5
M96-356062	-2.0	0	12	2	-7	-1	-3
M96-368038	4.1	3	10	16	2	6	4
M96-393101	1.3	1	0	-6	1	8	5
M96-403029	0.5	0	10	3	3	2	0
ND98-2252	1.4	2	5	-1	3	4	2
ND99-2156	-3.1	1	6	1	-7	-2	-5
ND99-2169	-5.3	-1	7	1	-9	-2	-1
ND99-2608	-3.0	-2	7	2	-5	0	-3
ND99-2614	-0.4	-1	-2	3	1	6	-2
ND99-2621	-9.0	1	9	0	-9	0	-14
OAC 00-22	2.5	4	8	-6	3	12	7
OAC 00-33	1.0	5	10	0	3	11	2
OAC 01-25	3.9	5	5	16	3	15	8
ORC 2001	7.3	6	-1	16	4	17	
SD99-700	1.3	0	-1	1	3	2	0
SD99-1236	5.4	2	3	16	3	12	5
SD99-1358	0.3	4	-2	-6	3	8	-1
Date Planted	5/25	4/28	4/21	5/27	5/26	4/28	5/23
Days to Mature	113	91	86	111	103	85	125

*Data not included in mean.

UNIFORM TEST 0, 2003

MATURITY (date)

Strain	Ottawa Ont	Woodstock Ont	St. Bruno Montarville Que.	Brookings SD	Watertown SD
Lambert (0)	9/18	9/14	9/22	9/10	9/8
Parker (I)	5	2	4	3	2
Surge (L)	-1	1	2	2	2
Traill (E)	-5	1	-6	-14	-14
MN0902CN (SCN)	0	-1	0	-1	2
M95-116024	-5	-3	-6	-9	-10
M96-140012	2	1	0	-2	2
M96-355009	3	3	4	1	2
M96-356062	-1	-4	-4	-1	2
M96-368038	3	0	4	2	2
M96-393101	1	1	0	6	2
M96-403029	-2	0	0	2	-2
ND98-2252	1	1	0	1	4
ND99-2156	-5	-3	-4	-5	3
ND99-2169	-6	-2	-6	-6	-13
ND99-2608	-7	-2	-2	-3	-4
ND99-2614	-1	1	-1	-1	-3
ND99-2621	-8	-5	-10	-10	-16
OAC 00-22	2	3	2	6	3
OAC 00-33	-2	0	4	-1	2
OAC 01-25	2	1	6	6	-11
ORC 2001	3	11	6	9	2
SD99-700	1	2	-2	1	4
SD99-1236	2	3	6	6	2
SD99-1358	3	2	2	-3	2
Date Planted	5/21	6/2	5/31	5/15	5/24
Days to Mature	120	104	114	118	107

UNIFORM TEST 0, 2003

LODGING (score)

Strain	Mean 8 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morris MN	Rosemount MN	Portageville* (Loam) MO	Casselton ND
Lambert (0)	1.3	1.0	1.0	1.0	2.0	1.0	1.0
Parker (I)	1.7	1.7	1.0	2.0	3.0	1.0	1.0
Surge (L)	1.3	1.0	1.0	1.0	2.3	1.0	1.0
Traill (E)	1.2	1.0	1.0	1.0	1.0	1.0	
MN0902CN (SCN)	1.3	1.3	1.0	1.0	2.0	1.0	1.0
M95-116024	1.6	1.3	1.0	1.0	3.0	1.0	1.0
M96-140012	1.3	1.0	1.0	1.0	1.0	1.0	1.0
M96-355009	1.3	1.0	1.0	1.3	1.7	1.0	1.0
M96-356062	1.2	1.0	1.0	1.0	1.0	1.0	1.0
M96-368038	1.2	1.0	1.0	1.0	1.7	1.0	1.0
M96-393101	1.5	1.0	1.0	1.0	2.0	1.0	1.0
M96-403029	1.3	1.0	1.0	1.0	1.3	1.0	1.0
ND98-2252	1.3	1.0	1.0	1.0	1.7	1.0	1.0
ND99-2156	1.1	1.0	1.0	1.0	1.7	1.0	1.0
ND99-2169	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ND99-2608	1.1	1.0	1.0	1.0	1.0	1.0	1.0
ND99-2614	1.7	1.0	1.0	1.0	2.7	1.0	1.0
ND99-2621	1.2	1.0	1.0	1.0	1.3	1.0	1.0
OAC 00-22	1.2	1.0	1.0	1.0	1.7	1.0	1.0
OAC 00-33	1.1	1.0	1.0	1.0	1.0	1.0	1.0
OAC 01-25	1.1	1.0	1.0	1.0	1.3	1.0	1.0
ORC 2001	1.1	1.0	1.0	1.0	1.0	1.0	
SD99-700	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SD99-1236	1.2	1.0	1.0	1.3	1.0	1.0	1.0
SD99-1358	1.2	1.0	1.0	1.0	1.0	1.0	1.0

*Data not included in mean.

UNIFORM TEST 0, 2003

LODGING (score)

Strain	Ottawa Ont	Woodstock Ont	St. Bruno Montarville Que.	Brookings SD	Watertown SD
Lambert (0)	2.6	1.1	1.0	1.0	1.0
Parker (I)	3.0	1.5	1.0	1.0	1.0
Surge (L)	2.2	1.0	1.0	1.0	1.0
Traill (E)	2.1	1.0	1.0		
MN0902CN (SCN)	2.0	1.2	1.0	1.0	1.0
M95-116024	3.4	1.3	1.0	1.0	1.0
M96-140012	3.0	1.5	1.0	1.0	1.0
M96-355009	2.2	1.3	1.0	1.0	1.0
M96-356062	2.2	1.1	1.0	1.0	1.0
M96-368038	2.1	1.0	1.0	1.0	1.0
M96-393101	2.4	1.4	1.0		
M96-403029	2.5	1.3	1.0	1.0	1.0
ND98-2252	1.7	1.2	1.0		
ND99-2156	1.0	1.0	1.0		
ND99-2169	1.0	1.0	1.0		
ND99-2608	1.5	1.0	1.0		
ND99-2614	3.1	1.1	1.0		
ND99-2621	1.8	1.0	1.0		
OAC 00-22	1.6	1.1	1.0		
OAC 00-33	1.2	1.2	1.0		
OAC 01-25	1.3	1.0	1.0		
ORC 2001	1.3	1.1	1.0		
SD99-700	1.2	0.9	1.0		
SD99-1236	2.0	1.2	1.0	1.0	1.0
SD99-1358	2.0	1.1	1.0		

UNIFORM TEST 0, 2003

PLANT HEIGHT (inches)

Strain	Mean 8 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morris MN	Rosemount MN	Portageville* (Loam) MO	Casselton ND
Lambert (0)	29	19	7	33	41	9	29
Parker (I)	34	29	8	34	49	21	34
Surge (L)	28	22	7	28	40	13	27
Traill (E)	24	17	8	23	28	12	
MN0902CN (SCN)	29	24	7	31	41	13	30
M95-116024	31	24	8	35	42	15	31
M96-140012	32	24	7	35	41	14	30
M96-355009	31	24	7	33	41	18	35
M96-356062	31	23	8	36	44	13	32
M96-368038	30	23	8	33	39	15	31
M96-393101	32	24	9	34	43	22	29
M96-403029	29	22	8	29	38	14	29
ND98-2252	31	21	7	32	41	10	29
ND99-2156	28	16	7	28	38	8	28
ND99-2169	26	17	6	27	38	9	22
ND99-2608	31	21	6	31	40	11	31
ND99-2614	31	21	6	28	40	13	27
ND99-2621	25	20	8	23	34	13	22
OAC 00-22	33	24	7	33	40	20	30
OAC 00-33	30	27	8	30	40	14	29
OAC 01-25	29	26	9	29	37	17	25
ORC 2001	29	26	7	28	34	19	
SD99-700	28	18	7	29	35	10	29
SD99-1236	31	27	6	34	41	20	32
SD99-1358	31	24	8	29	38	18	31

*Data not included in mean.

UNIFORM TEST 0, 2003

PLANT HEIGHT (inches)

Strain	Ottawa Ont	Woodstock Ont	St. Bruno Montarville Que.	Brookings SD	Watertown SD
Lambert (0)	40	25	21	20	20
Parker (I)	47	29	30	24	24
Surge (L)	34	23	20	24	24
Traill (E)	31	23	17		
MN0902CN (SCN)	39	24	22	23	23
M95-116024	39	28	25	24	24
M96-140012	43	29	25	25	25
M96-355009	40	26	24	24	24
M96-356062	40	27	24	24	24
M96-368038	36	25	24	26	26
M96-393101	37	26	22		
M96-403029	40	26	24	22	22
ND98-2252	37	25	20		
ND99-2156	35	21	19		
ND99-2169	33	22	17		
ND99-2608	33	26	27		
ND99-2614	38	25	27		
ND99-2621	31	23	17		
OAC 00-22	42	26	26		
OAC 00-33	36	24	24		
OAC 01-25	35	25	24		
ORC 2001	34	24	24		
SD99-700	31	24	22		
SD99-1236	39	28	27	24	24
SD99-1358	40	24	23		

UNIFORM TEST 0, 2003

SEED SIZE (g/100)

Strain	Mean 7 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morris MN	Rosemount MN	Portageville* (Loam) MO	Casselton ND
Lambert (0)	15.3	13.2		15.0	12.6	12.8	
Parker (I)	15.7	14.3		15.5	12.6	16.0	
Surge (L)	17.2	16.1		17.5	15.1	15.9	
Traill (E)	16.0	18.0		14.4	16.6	12.4	
MN0902CN (SCN)	13.3	11.6		13.0	12.7	10.7	
M95-116024	15.0	14.3		15.1	13.3	11.6	
M96-140012	15.1	12.4		15.2	11.4	10.9	
M96-355009	14.8	12.6		14.6	12.2	13.5	
M96-356062	14.0	13.4		13.8	11.7	12.0	
M96-368038	16.6	14.6		17.0	13.5	15.6	
M96-393101	16.2	14.9		15.4	12.9	14.6	
M96-403029	15.3	13.7		15.3	12.7	12.9	
ND98-2252	14.2	13.9		13.9	12.5	11.6	
ND99-2156	13.3	13.1		13.5	11.1	11.1	
ND99-2169	13.1	12.3		13.7	11.1	8.3	
ND99-2608	12.6	12.5		12.3	11.2	10.2	
ND99-2614	13.2	12.0		12.6	11.9	11.0	
ND99-2621	14.5	15.0		13.5	13.6	11.0	
OAC 00-22	13.1	12.8		13.1	10.1	12.0	
OAC 00-33	16.3	14.3		16.9	13.3	14.0	
OAC 01-25	16.6	13.9		17.9	12.1	14.8	
ORC 2001	14.7	11.4		13.6	12.4	11.8	
SD99-700	17.9	15.8		17.5	16.7	12.9	
SD99-1236	13.7	11.9		14.3	11.1	12.4	
SD99-1358	19.6	18.5		18.6	17.6	14.5	

*Data not included in mean.

UNIFORM TEST 0, 2003

SEED SIZE (g/100)

Strain	Ottawa Ont	Woodstock Ont	St. Bruno Montarville Que.	Brookings SD	Watertown SD
Lambert (0)	18.9	15.0	15.0	17.3	13.2
Parker (I)	20.6	14.5	16.1	16.0	14.3
Surge (L)	22.6	15.1	17.9	17.4	15.1
Traill (E)	18.4	14.9	15.9	18.0	13.7
MN0902CN (SCN)	17.2	12.2	13.1	13.0	11.7
M95-116024	19.6	14.7	14.3	16.1	12.1
M96-140012	18.9	14.3	14.8	17.8	13.6
M96-355009	18.6	14.3	14.8	15.8	13.1
M96-356062	17.8	13.3	15.2	14.0	12.1
M96-368038	22.2	14.7	16.6	16.9	15.1
M96-393101	20.6	15.9	14.8	18.2	15.3
M96-403029	20.0	13.5	15.5	17.2	12.7
ND98-2252	18.6	13.0	15.0	12.2	13.9
ND99-2156	15.6	10.9	12.1	15.2	14.6
ND99-2169	16.3	13.0	11.9	14.4	11.0
ND99-2608	15.4	11.7	13.3	13.2	11.2
ND99-2614	17.2	11.7	13.4	14.4	11.3
ND99-2621	18.4	15.3	13.2	15.3	12.5
OAC 00-22	16.1	12.5	13.1	14.7	12.4
OAC 00-33	20.8	16.4	17.7	16.1	13.0
OAC 01-25	21.7	16.6	16.9	19.1	12.1
ORC 2001	18.8	14.2	15.5	14.5	14.1
SD99-700	23.8	17.2	17.5	17.0	15.4
SD99-1236	17.2	12.1	14.0	14.7	12.4
SD99-1358	24.6	17.8	18.5	22.3	17.7

UNIFORM TEST 0, 2003

SEED QUALITY (score)

Strain	Mean 7 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Morris MN	Rosemount MN	Portageville* (Loam) MO	Casselton ND
Lambert (0)	1.6	3.0		1.0	1.0	4.0	
Parker (I)	1.6	3.7		1.0	1.0	5.0	
Surge (L)	1.7	3.2		1.0	1.0	4.0	
Traill (E)	1.8	2.8		1.0	1.0	4.0	
MN0902CN (SCN)	1.8	2.5		1.0	1.0	4.0	
M95-116024	1.9	2.5		1.0	1.0	4.0	
M96-140012	1.6	2.7		1.0	1.0	4.0	
M96-355009	1.9	4.0		2.7	1.0	4.0	
M96-356062	1.7	1.5		1.0	1.0	4.0	
M96-368038	1.9	2.5		1.0	1.7	4.0	
M96-393101	1.9	2.8		1.0	1.3	4.0	
M96-403029	2.0	2.8		1.7	1.0	4.0	
ND98-2252	1.9	2.2		1.7	2.0	4.0	
ND99-2156	2.0	1.7		1.7	1.0	4.0	
ND99-2169	1.8	1.3		1.0	1.0	4.0	
ND99-2608	1.8	2.7		1.0	1.0	3.0	
ND99-2614	1.9	2.0		1.0	1.0	3.0	
ND99-2621	1.9	2.0		1.0	1.0	4.0	
OAC 00-22	1.8	2.8		1.0	1.7	5.0	
OAC 00-33	2.1	2.2		1.0	1.0	2.0	
OAC 01-25	2.0	2.5		1.7	1.3	3.0	
ORC 2001	1.7	2.5		1.0	2.0	5.0	
SD99-700	2.1	2.3		1.0	1.3	5.0	
SD99-1236	2.0	2.2		1.7	1.3	3.0	
SD99-1358	2.5	3.7		1.0	2.0	5.0	

*Data not included in mean.

UNIFORM TEST 0, 2003

SEED QUALITY (score)

Strain	Ottawa Ont	Woodstock Ont	St. Bruno Montarville Que.	Brookings SD	Watertown SD
Lambert (0)	2.0	1.5	2.0	2.0	2.0
Parker (I)	2.0	2.0	1.5	2.0	2.0
Surge (L)	2.0	1.5	1.5	2.0	3.0
Traill (E)	2.0	1.5	2.0	3.0	2.0
MN0902CN (SCN)	2.3	2.0	1.0	3.0	2.0
M95-116024	2.0	2.0	1.5	3.0	3.0
M96-140012	2.0	1.5	2.0	2.0	2.0
M96-355009	2.0	1.5	1.0	3.0	2.0
M96-356062	2.0	1.5	1.5	3.0	2.0
M96-368038	2.0	2.0	1.5	3.0	2.0
M96-393101	2.0	2.0	3.0	3.0	1.0
M96-403029	2.0	1.5	1.5	3.0	3.0
ND98-2252	2.0	2.0	1.5	2.0	2.0
ND99-2156	2.0	2.0	1.0	3.0	3.0
ND99-2169	2.0	1.5	1.0	3.0	3.0
ND99-2608	2.0	1.5	1.0	3.0	3.0
ND99-2614	2.0	2.0	2.0	3.0	2.0
ND99-2621	2.0	1.5	1.0	4.0	3.0
OAC 00-22	2.0	1.5	1.5	3.0	2.0
OAC 00-33	2.0	1.5	3.0	4.0	2.0
OAC 01-25	2.0	1.5	2.5	3.0	2.0
ORC 2001	2.0	1.5	1.5	2.0	2.0
SD99-700	2.0	1.5	2.0	4.0	3.0
SD99-1236	2.3	1.5	2.5	3.0	2.0
SD99-1358	3.0	2.0	2.5	4.0	3.0

UNIFORM TEST 0, 2003

PROTEIN (%)

Strain	Mean 5 Tests	Morris MN	Rosemount MN	Casselton ND	Ottawa Ont.	Brookings SD
Lambert (0)	41.9	42.3	43.4	39.2	42.5	42.0
Parker (I)	39.7	39.8	42.5	36.4	40.4	39.4
Surge (L)	42.0	42.1	44.6	40.5	42.3	40.7
Traill (E)	41.2	41.2	41.4	38.9	42.0	42.4
MN0902CN (SCN)	42.5	42.2	44.1	40.6	43.3	42.5
M95-116024	42.3	43.1	45.1	37.3	43.3	42.4
M96-140012	41.7	42.3	44.0	39.1	41.7	41.2
M96-355009	40.2	40.3	41.2	37.4	40.9	41.3
M96-356062	41.0	40.6	41.9	38.0	42.2	42.3
M96-368038	43.1	43.1	47.0	38.7	44.1	42.9
M96-393101	43.1	43.6	45.9	40.0	43.7	42.5
M96-403029	41.3	40.4	43.4	40.2	41.6	40.9
ND98-2252	39.8	39.6	41.0	38.0	40.3	40.0
ND99-2156	39.6	39.1	41.4	37.9	40.3	39.1
ND99-2169	39.6	39.5	42.2	37.8	39.7	38.9
ND99-2608	39.8	39.9	42.9	37.1	40.3	38.8
ND99-2614	41.2	41.2	44.2	38.1	42.0	40.5
ND99-2621	41.0	40.9	41.3	39.6	42.2	41.0
OAC 00-22	39.8	39.6	43.1	37.1	40.0	39.1
OAC 00-33	39.1	39.1	40.2	37.6	39.8	38.7
OAC 01-25	40.7	40.6	43.8	37.5	41.6	40.0
ORC 2001	40.2	38.1	42.7	39.7	40.9	39.5
SD99-700	42.3	42.7	44.6	40.1	43.4	40.8
SD99-1236	42.3	42.0	44.9	39.2	42.8	42.8
SD99-1358	42.3	42.9	43.6	40.6	42.9	41.7

UNIFORM TEST 0, 2003

OIL (%)

Strain	Mean 5 Tests	Morris MN	Rosemount MN	Casselton ND	Ottawa Ont.	Brookings SD
Lambert (0)	20.6	20.7	19.7	20.2	20.6	21.6
Parker (I)	20.3	19.9	18.7	20.8	21.0	20.9
Surge (L)	20.4	20.8	19.0	20.7	20.7	21.0
Traill (E)	20.4	20.7	20.4	20.5	20.2	20.4
MN0902CN (SCN)	19.3	19.1	18.8	19.9	19.5	19.0
M95-116024	19.2	19.4	17.4	20.7	19.5	19.2
M96-140012	20.2	20.5	18.4	20.4	20.8	20.9
M96-355009	19.8	19.8	18.6	20.0	20.5	20.1
M96-356062	20.2	21.2	18.8	20.6	20.4	20.2
M96-368038	18.7	19.0	16.0	20.0	19.4	19.4
M96-393101	19.3	19.0	17.7	19.8	19.7	20.3
M96-403029	19.9	19.5	18.5	21.0	20.6	19.8
ND98-2252	20.2	20.4	19.2	21.0	20.2	20.1
ND99-2156	21.2	21.5	19.7	22.0	21.6	21.3
ND99-2169	21.4	21.8	19.7	21.9	22.0	21.4
ND99-2608	21.4	21.9	19.8	22.4	21.8	21.3
ND99-2614	20.8	21.5	19.2	21.1	20.5	21.6
ND99-2621	20.4	20.5	20.1	20.8	20.6	20.0
OAC 00-22	19.5	20.0	17.2	20.2	20.5	19.9
OAC 00-33	20.8	20.9	19.9	21.6	21.2	20.4
OAC 01-25	19.6	20.0	17.9	20.0	20.1	20.1
ORC 2001	20.9	21.5	20.5	20.3	21.3	21.1
SD99-700	19.9	20.2	18.3	21.0	19.9	20.3
SD99-1236	20.0	20.1	18.9	20.2	20.1	20.5
SD99-1358	19.4	19.7	18.7	19.7	19.3	19.7

Preliminary Test 0, 2003

Ent.	Strain	Parentage	Generation Composited	Unique Traits
1	Lambert (0)	M75-274 x M76-151	F5	Rps1
2.	Parker (I)	A79-136012 x Dawson	F5	Rps1
3.	Surge (L)	A86-204022 x Kato	F5	
4.	Traill (E)	M82-996 x Sigco KG20	F5	
5.	M97-104145	ND(M)90-370 X Glacier	F5	Rps6
6.	M97-121061	MN0302 X 9004	F5	Rps6
7.	M97-121138	MN0302 X 9004	F5	Rps6
8.	M97-136016	M90-162034 X IA2021	F5	Rps1k
9.	M97-139031	MARCUS 95 X MN0302	F5	Rps6
10.	M97-164072	M90-162034 X M91-103023	F5	SCN
11.	M97-245027	HE FENG 25 X MN0301	F5	Rps1
12.	M97-357138	IA1006 X Surge	F5	Rps1
13.	M98-515-8-48	MN0301*3 X NOIR I	F3	
14.	M98-103039	MYCOGEN 040 X M90-144096	F4	Rps1c
15.	M98-105090	M92-405 X MN1401	F4	Rps1
16.	ND00-547	Pioneer 9092 x Korada	F5	Rps1c
17.	ND00-558	Pioneer 9092 x Korada	F5	Rps1c
18.	ND00-560	Pioneer 9092 X Korada	F5	Rps1c
19.	ND00-2756	SL91-895 x ND93-5849	F5	Rps4
20.	ND00-2761	SL91-895 x ND93-5849	F5	Rps4
21.	ND00-2763	SL91-895 x ND93-5849	F5	Rps4
22.	ND00-2765	SL91-895 x ND93-5849	F5	Rps4
23.	ND00-2766	SL91-895 x ND93-5849	F5	Rps4
24.	ND00-2769	SL91-895 x ND93-5849	F5	Rps4
25.	ND00-2774	SL91-895 x ND93-5849	F5	Rps4
26.	ND00-2781	SL91-895 x ND93-5849	F5	Rps4
27.	ND00-2782	SL91-895 x ND93-5849	F5	Rps4
28.	ND00-2784	SL91-895 x ND93-5849	F5	Rps4
29.	ND00-2787	SL91-895 x ND93-5849	F5	Rps4
30.	OAC 02-19	OAC 97-11 x OAC Stratford	F5	
31.	OAC 02-27	OAC 97-11 x OAC Stratford	F5	
32.	OAC 02-30	OAC 97-11 x OAC Stratford	F5	
33.	ORC 0202	RCAT Legacy x RCAT 9501	F5	
34.	U01-190127	Harbin 92-1062 x NE1900	F5	Determinate
35.	U01-190266	NE3001 x A97-770012	F5	
36.	U01-190391	M91-163126 x IA1008	F5	
37.	U01-190518	NE1900 x Bainong 6 Hao	F5	Determinate
38.	U01-290401	Heinong 37x Pioneer 93B82	F5	Determinate
39.	SD95-NL34-1	(PI 591543 x Stride) x Henong 34	F4	
40.	SD95-NL37-1	(PI 591543 x Stride) x Henong 37	F4	

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Wilkin Co. MN	Shattering Score Ashland KS	Green Stem Score St. Bruno Que	PR Lafayette Race 4	PR Lafayette Race 7
Lambert (0)	PGBSYLbfI	3.0	1.0	2.5	S	S
Parker (I)	WGBDYBfI	3.0	2.0	2.5	S	S
Surge (L)	PGBDYIbI	2.7	2.0	2.0	S	R
Traill (E)	PTBIYYI	2.7	2.0	1.0	H	R
M97-104145	PGBDYYI	2.3	1.0	1.0	R	R*
M97-121061	PTTDYBrI	3.2	1.0	2.0	R	R*
M97-121138	PGTIYYI	3.7	2.0	0.5	R	R*
M97-136016	WGTDYBfI	3.2	1.0	3.5	R	R
M97-139031	PTTIYBrI	3.2	2.0	2.0	R	R*
M97-164072	P+WGBIYYI	3.2	1.0	3.0	S	S
M97-245027	WGBDYYI	2.7	1.0	2.5	S	S
M97-357138	PGBDYBf+IbI	3.2	1.0	1.0	S	S
M98-515-8-48	WGTDYYI	3.2	2.0	2.5	S	S
M98-103039	PTBDYYI	3.3	1.0	1.0	S	R
M98-105090	PSTDYBl+BrI	3.3	1.0	1.5	S	S
ND00-547	PTBDYGr+YI	3.5	2.0	1.5	S	R
ND00-558	PTBDYGrI	4.0	2.0	1.5	S	R
ND00-560	PGBDYGrI	4.3	1.0	1.0	S	R
ND00-2756	PGBDYLGrI	4.0	2.0	2.0	S	R
ND00-2761	PGBDYLGrI	3.3	2.0	1.5	S	R
ND00-2763	PGBDYLGrI	3.8	1.0	1.5	S	R
ND00-2765	PGBDYLGrI	3.8	1.0	1.5	S	R
ND00-2766	PGBDYLGrI	3.2	2.0	2.0	S	R
ND00-2769	PGBDYLGrI	3.5	1.0	2.0	S	R
ND00-2774	PGBDYLGrI	4.0	1.0	2.0	S	R
ND00-2781	PGBDYLGrI	3.2	1.0	1.5	S	R
ND00-2782	PGBDYLGrI	3.2	2.0	2.0	S	R
ND00-2784	PGBDYLGrI	3.2	2.0	2.0	S	R
ND00-2787	PGBDYLGrI	3.3	2.0	2.5	S	R
OAC 02-19	PGBIYYI	3.0	1.0	1.0	S	R
OAC 02-27	PGBIYBfI	3.5	1.0	1.0	S	R
OAC 02-30	PGBIYBfI	3.2	1.0	1.5	S	S
ORC 0202	PGBDYYI	3.8	1.0	1.0	S	S
U01-190127	WGBDYYI	2.8	1.0	2.0	S	R
U01-190266	PGBDYYI	2.0	2.0	2.0	S	S
U01-190391	WGBDYYI	2.7	1.0	2.5	S	S
U01-190518	WGBDYYI	3.0	3.0	2.5	S	R
U01-290401	WSBDYBlI	3.0	2.0	3.0	S	S
SD95-NL34-1	P+WGBDYY+BfI	2.7	2.0	1.5	S	S
SD95-NL37-1	WGBDYYI	2.8	1.0	3.0	S	S

* = entry being retested.

PRELIMINARY TEST 0, 2003

REGIONAL SUMMARY

No. of Tests Strain	Yield 10 bu/a	Rank 10 No.	Maturity 10 Date	Lodging 10 Score	Plant Height 10 In.	Seed Size 8 g/100	Seed Quality 7 Score	Composition Protein 5 %	Oil 5 %
Lambert (0)	37.1	21	9/13	1.3	29	14.5	1.7	42.3	20.6
Parker (I)	41.7	2	5.3	1.5	33	15.8	1.9	40.9	20.0
Surge (L)	40.5	3	3.2	1.2	29	17.5	2.1	43.2	19.5
Traill (E)	23.4	40	-3.3	1.3	24	15.2	1.4	42.3	20.1
M97-104145	35.3	29	-5.3	1.1	26	16.1	1.8	40.9	20.0
M97-121061	33.7	36	-4.6	1.0	28	15.3	2.0	43.5	19.2
M97-121138	34.3	32	-5.0	1.1	30	14.5	1.6	42.1	20.0
M97-136016	39.4	5	2.0	1.3	30	17.0	2.0	43.2	19.4
M97-139031	36.9	23	-2.7	1.2	29	13.2	1.6	40.3	20.5
M97-164072	37.5	20	2.4	1.2	30	15.2	1.9	41.4	19.3
M97-245027	32.9	39	-2.5	1.3	27	14.9	2.0	41.3	19.5
M97-357138	42.0	1	5.0	1.2	30	14.1	2.1	41.2	19.4
M98-515-8-48	35.5	28	-3.6	1.2	30	15.2	1.8	40.5	20.3
M98-103039	33.3	38	-3.9	1.2	28	14.8	1.9	40.8	19.6
M98-105090	36.3	25	2.3	1.1	29	14.7	1.9	42.0	19.5
ND00-547	34.0	34	-1.9	1.1	26	14.5	1.9	40.6	20.4
ND00-558	33.9	35	-4.5	1.0	26	15.4	2.3	42.7	19.3
ND00-560	38.9	6	5.8	1.1	29	12.8	2.1	41.5	19.9
ND00-2756	38.4	11	0.3	1.2	31	11.6	1.9	41.7	20.5
ND00-2761	38.0	14	-0.9	1.2	29	11.6	1.8	42.0	20.3
ND00-2763	36.8	24	1.0	1.2	28	11.7	1.9	42.1	20.1
ND00-2765	37.6	19	1.0	1.2	28	11.5	1.7	42.1	20.2
ND00-2766	38.6	9	1.1	1.2	30	11.3	1.6	41.5	20.6
ND00-2769	37.8	16	0.7	1.2	29	11.5	1.9	41.1	20.5
ND00-2774	38.7	7	-1.7	1.1	29	11.5	1.9	42.1	20.1
ND00-2781	37.8	16	-1.6	1.2	29	11.5	1.9	42.1	20.3
ND00-2782	39.9	4	1.1	1.1	30	11.7	1.9	40.8	20.3
ND00-2784	38.1	12	1.2	1.2	30	11.3	1.8	41.8	20.4
ND00-2787	38.6	9	1.3	1.2	29	11.6	2.0	42.2	20.2
OAC 02-19	35.6	27	2.6	1.3	28	18.6	2.6	40.7	19.0
OAC 02-27	38.7	7	2.1	1.5	31	16.7	1.9	42.7	19.5
OAC 02-30	33.4	37	4.6	1.3	28	17.2	2.1	41.8	19.7
ORC 0202	36.0	26	9.4	1.0	22	17.4	2.2	42.0	19.8
U01-190127	37.8	16	5.8	1.3	26	18.8	2.1	40.0	19.0
U01-190266	37.1	21	5.3	1.1	31	13.7	1.8	40.9	20.3
U01-190391	38.1	12	6.4	1.0	29	14.1	1.7	41.3	18.4
U01-190518	37.9	15	7.3	1.3	29	15.7	2.2	40.2	19.1
U01-290401	34.3	32	12.7	1.2	32	14.9	1.6	39.4	19.3
SD95-NL34-1	35.0	30	2.9	1.4	29	14.2	1.9	40.6	19.6
SD95-NL37-1	34.4	31	8.3	1.4	31	13.0	1.8	40.8	19.5

112.9 Days After Planting

PRELIMINARY TEST 0, 2003

YIELD (bu/a)

Strain	Mean 10 Tests	Morris MN	Rosemount MN	Casselton ND	Beemer NE	Cotesfield NE	Ottawa ONT	Woodstock ONT	St Bruno Montarville Que.	Brookings SD	Watertown SD
Lambert (0)	37.1	22.3	38.6	36.3	31.4	54.3	59.4	46.3	27.3	37.7	17.6
Parker (I)	41.7	29.8	36.1	39.5	42.7	72.6	57.9	46.9	35.4	35.9	20.3
Surge (L)	40.5	27.5	42.6	38.6	42.1	69.3	56.8	44.7	33.7	34.7	14.8
Traill (E)	23.4	12.5	36.7		23.3	35.7	41.0	17.4	15.1	18.0	10.9
M97-104145	35.3	16.8	39.4	33.6	33.5	56.4	54.1	40.6	29.1	28.5	21.4
M97-121061	33.7	23.1	31.3	34.0	31.5	43.1	54.7	44.0	28.6	32.0	14.5
M97-121138	34.3	22.3	41.7	35.8	26.8	46.0	57.6	42.3	30.6	27.1	13.2
M97-136016	39.4	24.4	35.2	39.3	39.4	61.9	57.4	48.9	36.2	34.4	17.2
M97-139031	36.9	27.4	37.6	34.0	35.2	57.8	55.1	38.4	32.2	31.5	20.0
M97-164072	37.5	26.8	40.5	39.9	37.9	56.1	53.2	42.4	28.7	34.9	15.1
M97-245027	32.9	18.6	33.9	30.6	28.9	50.6	56.7	44.6	21.9	27.9	15.2
M97-357138	42.0	33.1	36.6	42.1	43.0	64.1	58.8	46.1	40.3	33.4	22.2
M98-515-8-48	35.5	16.7	40.8	36.9	29.2	45.8	56.8	45.6	30.9	35.8	16.9
M98-103039	33.3	18.7	42.2	39.7	26.9	39.5	52.7	37.2	30.3	27.6	18.1
M98-105090	36.3	24.6	41.2	30.3	33.2	54.1	58.0	41.0	31.9	29.5	19.4
ND00-547	34.0	19.8	40.9	34.4	34.8	37.9	56.2	40.8	27.4	31.4	16.5
ND00-558	33.9	18.6	33.0	34.2	31.2	51.4	57.3	36.1	30.9	31.0	15.5
ND00-560	38.9	30.2	30.2	36.1	39.3	62.6	53.8	38.9	38.1	40.7	18.8
ND00-2756	38.4	25.5	34.8	41.6	37.1	58.7	58.5	42.0	30.6	35.8	19.4
ND00-2761	38.0	23.1	34.9	34.1	34.7	58.9	60.9	39.8	33.4	43.2	16.9
ND00-2763	36.8	24.8	38.2	28.2	36.9	57.4	57.0	38.6	33.5	37.1	16.8
ND00-2765	37.6	24.2	39.0	38.7	38.0	58.6	57.8	39.0	30.8	34.6	15.1
ND00-2766	38.6	28.0	38.1	42.4	40.5	56.3	58.8	37.3	29.7	36.6	18.6
ND00-2769	37.8	21.0	36.1	37.9	37.9	62.2	57.3	37.0	30.5	37.9	20.2
ND00-2774	38.7	26.1	37.2	48.5	35.9	55.9	58.4	38.1	32.1	36.4	18.4
ND00-2781	37.8	25.0	39.8	43.7	38.4	50.0	56.3	43.7	32.2	32.9	16.4
ND00-2782	39.9	30.5	39.2	38.3	40.3	62.3	58.2	43.0	29.6	39.6	18.4
ND00-2784	38.1	27.6	35.0	36.1	40.9	59.8	57.2	39.3	30.7	35.3	18.9
ND00-2787	38.6	27.0	41.5	39.4	39.8	56.5	57.6	40.2	28.6	34.2	20.8
OAC 02-19	35.6	19.0	38.2	27.5	34.3	63.8	55.4	35.3	31.7	31.5	19.2
OAC 02-27	38.7	28.4	36.4	35.6	37.6	55.6	58.6	36.9	40.1	41.0	17.1
OAC 02-30	33.4	15.4	30.4		34.3	51.8	55.1	28.8	34.5	34.3	15.7
ORC 0202	36.0	20.9	38.5	24.5	38.3	63.4	58.5	35.4	35.1	31.8	13.3
U01-190127	37.8	19.1	37.6	31.0	41.5	65.9	57.4	48.1	28.1	28.9	20.6
U01-190266	37.1	23.9	34.6	30.4	36.8	65.4	55.8	38.6	36.1	32.3	17.5
U01-190391	38.1	17.8	33.0	36.1	44.4	61.8	56.9	42.6	33.9	35.6	19.3
U01-190518	37.9	17.0	40.4	30.8	41.1	64.1	57.1	44.3	33.1	31.7	19.9
U01-290401	34.3	19.7	27.1	22.9	41.6	68.1	50.5	41.3	33.2	20.8	17.5
SD95-NL34-1	35.0	17.3	32.7	32.8	32.4	71.4	46.4	39.2	29.5	32.4	16.0
SD95-NL37-1	34.4	17.2	26.1	28.8	37.4	62.1	50.8	40.9	30.5	30.7	19.8
C.V. (%)		14.6	9.4	17.4	7.6	9.1	4.5	5.6	9.8	15.5	15.0
L.S.D. (5%)		6.7	7.0	9.9	5.6	10.5	4.2	3.1	6.5	8.6	4.4
Row Sp. (In.)		10	10	30	30	30	16	14	7	30	30
Rows/Plot		4	4	4	4	4	4	4	5	4	4
Reps		2	2	3	2	2	3	3	2	2	2

PRELIMINARY TEST 0, 2003

YIELD RANK

Strain	Yield Rank	Morris MN	Rosemount MN	Casselton ND	Beemer NE	Cotesfield NE	Ottawa ONT	Woodstock ONT	St Bruno Montarville Que.	Brookings SD	Watertown SD
Lambert (0)	21	22	14	16	34	29	2	4	38	6	20
Parker (I)	2	4	25	8	3	1	11	3	6	10	5
Surge (L)	3	8	1	12	4	3	23	7	10	16	36
Traill (E)	40	40	22	40	40	40	40	40	40	40	40
M97-104145	29	37	11	27	30	24	33	21	32	35	2
M97-121061	36	20	36	25	33	37	32	10	34	25	37
M97-121138	32	22	3	20	39	35	13	15	25	38	39
M97-136016	5	17	27	10	12	15	15	1	4	18	23
M97-139031	23	9	19	26	25	21	30	30	15	28	7
M97-164072	20	11	8	6	18	26	35	14	33	15	34
M97-245027	39	31	32	31	37	33	25	8	39	36	33
M97-357138	1	1	23	4	2	7	3	5	1	21	1
M98-515-8-48	28	38	7	15	36	36	24	6	21	11	26
M98-103039	38	30	2	7	38	38	36	33	28	37	19
M98-105090	25	16	5	33	31	30	10	18	18	33	11
ND00-547	34	26	6	22	26	39	27	19	37	30	28
ND00-558	35	31	33	23	35	32	18	36	20	31	32
ND00-560	6	3	38	18	13	11	34	27	3	3	15
ND00-2756	11	13	30	5	21	19	6	16	24	12	10
ND00-2761	14	20	29	24	27	18	1	23	12	1	25
ND00-2763	24	15	16	35	22	22	21	28	11	7	27
ND00-2765	19	18	13	11	16	20	12	26	22	17	35
ND00-2766	9	6	18	3	9	25	4	32	29	8	16
ND00-2769	16	24	25	14	17	13	17	34	27	5	6
ND00-2774	7	12	21	1	24	27	8	31	17	9	18
ND00-2781	16	14	10	2	14	34	26	11	16	22	29
ND00-2782	4	2	12	13	10	12	9	12	30	4	17
ND00-2784	12	7	28	17	8	17	19	24	23	14	14
ND00-2787	9	10	4	9	11	23	14	22	35	20	3
OAC 02-19	27	29	16	36	28	9	29	38	19	29	13
OAC 02-27	7	5	24	21	19	28	5	35	2	2	24
OAC 02-30	37	39	37	40	29	31	31	39	8	19	31
ORC 0202	26	25	15	37	15	10	7	37	7	26	38
U01-190127	16	28	19	29	6	5	16	2	36	34	4
U01-190266	21	19	31	32	23	6	28	28	5	24	21
U01-190391	12	33	33	18	1	16	22	13	9	13	12
U01-190518	15	36	9	30	7	8	20	9	14	27	8
U01-290401	32	27	39	38	5	4	38	17	13	39	22
SD95-NL34-1	30	34	35	28	32	2	39	25	31	23	30
SD95-NL37-1	31	35	40	34	20	14	37	20	26	32	9

PRELIMINARY TEST 0, 2003

MATURITY (date)

Strain	Mean 10 Tests	Morris MN	Rosemount MN	Casselton ND	Beemer NE	Cotesfield NE	Ottawa ONT	Woodstock ONT	St Bruno Montarville Que.	Brookings SD	Watertown SD
Lambert (0)	9/13	9/24	9/5	9/26	9/10	9/6	9/19	9/13	9/21	9/8	9/5
Parker (I)	5.3	10	4	7	0	6	5	2	4	12	3
Surge (L)	3.2	7	3	0	6	4	2	3	0	4	3
Traill (E)	-3.3	0	1		-4	-3	-2	4	-6	-10	-10
M97-104145	-5.3	-3	-1	-9	-7	-5	-4	-3	-5	-9	-7
M97-121061	-4.6	0	-2	-7	-6	-5	-2	-3	-5	-7	-10
M97-121138	-5.0	-3	-1	-7	-8	-5	-3	-2	-7	-3	-11
M97-136016	2.0	7	2	-2	4	1	3	3	-1	0	3
M97-139031	-2.7	-11	-1	-3	-3	-3	-2	0	-3	-4	3
M97-164072	2.4	7	2	1	5	3	3	3	1	-5	5
M97-245027	-2.5	0	0	-6	-5	1	0	-2	-4	-6	-3
M97-357138	5.0	7	3	4	8	9	4	3	4	3	5
M98-515-8-48	-3.6	0	-1	-4	-6	-4	1	0	-3	-7	-12
M98-103039	-3.9	0	-2	-3	-4	-3	-2	-4	-3	-5	-13
M98-105090	2.3	7	1	-2	5	2	0	2	0	4	4
ND00-547	-1.9	7	-1	-4	2	-2	-1	-2	-2	-10	-6
ND00-558	-4.5	-11	0	-5	0	-2	-1	-3	-3	-12	-8
ND00-560	5.8	12	4	6	9	5	4	4	5	5	5
ND00-2756	0.3	7	0	-1	3	0	-2	0	-2	-5	3
ND00-2761	-0.9	-11	0	1	2	-2	-3	-1	-3	3	5
ND00-2763	1.0	7	1	-3	3	1	-3	0	-2	4	3
ND00-2765	1.0	7	2	-1	2	0	-3	0	-1	0	4
ND00-2766	1.1	7	1	0	4	1	-3	1	-1	-3	5
ND00-2769	0.7	7	1	0	1	1	-2	0	-1	-5	5
ND00-2774	-1.7	-11	1	-1	2	0	-3	0	-1	-5	2
ND00-2781	-1.6	-11	2	0	2	-2	-2	0	-1	-4	0
ND00-2782	1.1	7	2	-2	2	0	-2	0	-1	2	3
ND00-2784	1.2	7	1	1	2	-2	-3	-2	-2	4	5
ND00-2787	1.3	7	1	1	3	-1	-3	0	-1	4	2
OAC 02-19	2.6	7	3	2	5	2	1	4	3	-6	5
OAC 02-27	2.1	7	3	5	4	1	2	3	1	-5	0
OAC 02-30	4.6	7	4		4	2	2	6	4	8	5
ORC 0202	9.4	12	4	10	10	10	6	10	11	10	11
U01-190127	5.8	7	2	9	7	5	6	7	6	7	2
U01-190266	5.3	7	2	6	8	4	3	4	3	13	3
U01-190391	6.4	7	4	8	10	8	7	6	4	7	3
U01-190518	7.3	12	4	4	8	8	7	9	4	11	7
U01-290401	12.7	12	5	11	15	15	16	14	11	12	16
SD95-NL34-1	2.9	10	4	2	5	4	1	2	-1	-3	5
SD95-NL37-1	8.3	12	4	7	12	10	8	6	4	10	10
Date Planted	5/23	5/27	5/26	5/23	5/21	5/29	5/21	6/2	5/31	5/16	5/24
Days to Mature	113	120	102	126	112	100	121	103	113	115	104

PRELIMINARY TEST 0, 2003

LODGING (score)

Strain	Mean 10 Tests	Morris MN	Rosemount MN	Casselton ND	Beemer NE	Cotesfield NE	Ottawa ONT	Woodstock ONT	St Bruno Montarville Que.	Brookings SD	Watertown SD
Lambert (0)	1.3	1.0	2.0	1.0	1.0	1.0	2.7	0.9	1.0	1.0	1.0
Parker (I)	1.5	1.0	2.5	1.0	1.0	1.5	3.1	1.5	1.0	1.0	1.0
Surge (L)	1.2	1.0	2.0	1.0	1.0	1.0	2.3	1.0	1.0	1.0	1.0
Traill (E)	1.3	1.0	1.5		1.0	1.5	2.6	1.0	1.0	1.0	1.0
M97-104145	1.1	1.0	1.0	1.0	1.0	1.5	1.7	0.9	1.0	1.0	1.0
M97-121061	1.0	1.0	1.0	1.0	1.0	1.0	1.4	1.0	1.0	1.0	1.0
M97-121138	1.1	1.0	1.0	1.0	1.0	1.0	2.4	1.0	1.0	1.0	1.0
M97-136016	1.3	1.0	2.0	1.0	1.0	1.0	2.9	1.0	1.5	1.0	1.0
M97-139031	1.2	1.0	1.5	1.0	1.0	1.5	1.9	1.0	1.0	1.0	1.0
M97-164072	1.2	1.0	1.0	1.0	1.0	1.0	2.5	1.0	1.0	1.0	1.0
M97-245027	1.3	1.0	1.5	1.0	1.0	2.0	1.9	1.2	1.0	1.0	1.0
M97-357138	1.2	1.0	1.5	1.0	1.0	1.0	2.8	1.0	1.0	1.0	1.0
M98-515-8-48	1.2	1.0	1.0	1.0	1.0	1.5	2.6	1.3	1.0	1.0	1.0
M98-103039	1.2	1.0	1.5	1.0	1.0	1.5	1.6	1.0	1.0	1.0	1.0
M98-105090	1.1	1.0	1.0	1.0	1.0	1.0	1.7	1.1	1.0	1.0	1.0
ND00-547	1.1	1.0	1.0	1.0	1.0	1.0	2.1	0.9	1.0	1.0	1.0
ND00-558	1.0	1.0	1.0	1.0	1.0	1.0	1.4	1.0	1.0	1.0	1.0
ND00-560	1.1	1.0	1.5	1.0	1.0	1.0	1.6	1.1	1.0	1.0	1.0
ND00-2756	1.2	1.0	1.5	1.0	1.0	1.5	2.4	1.0	1.0	1.0	1.0
ND00-2761	1.2	1.0	1.0	1.0	1.0	1.0	2.5	1.0	1.0	1.0	1.0
ND00-2763	1.2	1.0	1.5	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0
ND00-2765	1.2	1.0	1.5	1.0	1.0	1.0	2.4	1.0	1.0	1.0	1.0
ND00-2766	1.2	1.0	1.5	1.0	1.0	1.0	2.3	1.0	1.0	1.0	1.0
ND00-2769	1.2	1.0	1.5	1.0	1.0	1.0	2.7	1.1	1.0	1.0	1.0
ND00-2774	1.1	1.0	1.0	1.0	1.0	1.0	2.3	1.0	1.0	1.0	1.0
ND00-2781	1.2	1.0	1.0	1.0	1.0	1.0	2.7	1.0	1.0	1.0	1.0
ND00-2782	1.1	1.0	1.0	1.0	1.0	1.0	2.3	1.0	1.0	1.0	1.0
ND00-2784	1.2	1.0	1.5	1.0	1.0	1.0	2.2	1.0	1.0	1.0	1.0
ND00-2787	1.2	1.0	1.0	1.0	1.0	1.0	2.5	1.0	1.0	1.0	1.0
OAC 02-19	1.3	1.0	3.0	1.0	1.0	1.5	1.8	1.0	1.0	1.0	1.0
OAC 02-27	1.5	1.0	3.0	1.0	1.0	2.0	2.8	1.1	1.0	1.0	1.0
OAC 02-30	1.3	1.5	2.0		1.0	1.5	2.1	1.0	1.0	1.0	1.0
ORC 0202	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0
U01-190127	1.3	1.0	1.0	1.0	1.0	2.5	2.2	1.0	1.0	1.0	1.0
U01-190266	1.1	1.0	1.0	1.0	1.0	1.0	1.7	1.1	1.0	1.0	1.0
U01-190391	1.0	1.0	1.0	1.0	1.0	1.0	1.2	0.9	1.0	1.0	1.0
U01-190518	1.3	1.0	1.5	1.0	1.0	2.5	2.1	1.2	1.0	1.0	1.0
U01-290401	1.2	1.0	1.0	1.0	1.0	2.5	1.1	1.0	1.0	1.0	1.0
SD95-NL34-1	1.4	1.0	2.5	1.0	1.0	1.5	3.2	1.0	1.0	1.0	1.0
SD95-NL37-1	1.4	1.0	2.0	1.0	1.0	2.0	3.1	1.0	1.0	1.0	1.0

PRELIMINARY TEST 0, 2003

PLANT HEIGHT (inches)

Strain	Mean 10 Tests	Morris MN	Rosemount MN	Casselton ND	Beemer NE	Cotesfield NE	Ottawa ONT	Woodstock ONT	St Bruno Montarville Que.	Brookings SD	Watertown SD
Lambert (0)	29	24	41	28	26	33	36	26	22	31	22
Parker (I)	33	27	46	32	34	35	44	32	27	30	22
Surge (L)	29	23	39	29	27	32	35	26	23	29	24
Traill (E)	24	18	34		22	28	31	24	19	21	22
M97-104145	26	22	36	24	25	29	33	22	22	24	23
M97-121061	28	26	40	32	24	31	36	26	22	24	20
M97-121138	30	26	41	34	27	36	35	23	25	28	30
M97-136016	30	26	41	30	30	34	39	28	30	23	23
M97-139031	29	24	42	28	27	26	38	24	23	30	25
M97-164072	30	28	41	31	27	29	36	28	27	28	25
M97-245027	27	22	37	29	25	31	35	23	17	26	22
M97-357138	30	28	42	34	30	29	42	29	26	23	23
M98-515-8-48	30	23	44	31	27	30	37	28	26	28	23
M98-103039	28	24	38	32	26	34	31	23	24	22	22
M98-105090	29	26	38	31	27	36	36	25	28	20	20
ND00-547	26	21	35	26	25	30	31	25	20	28	23
ND00-558	26	22	32	28	22	33	28	19	18	38	22
ND00-560	29	25	37	30	25	34	37	25	26	27	23
ND00-2756	31	26	41	31	28	31	37	26	29	39	22
ND00-2761	29	25	39	29	29	33	37	24	24	26	24
ND00-2763	28	25	40	28	24	32	36	25	25	26	21
ND00-2765	28	26	39	29	29	31	39	24	23	28	18
ND00-2766	30	29	42	31	29	31	39	26	23	24	22
ND00-2769	29	24	41	28	30	30	38	26	22	29	24
ND00-2774	29	25	39	31	28	32	37	25	21	31	19
ND00-2781	29	26	40	33	30	28	39	26	23	30	19
ND00-2782	30	28	42	30	29	33	38	26	24	25	22
ND00-2784	30	27	40	30	28	35	38	24	25	28	23
ND00-2787	29	28	41	32	28	27	37	24	24	28	22
OAC 02-19	28	26	43	28	26	32	35	26	24	27	14
OAC 02-27	31	27	43	31	28	30	41	27	31	33	22
OAC 02-30	28	26	43		26	24	37	27	25	29	20
ORC 0202	22	20	29	22	21	33	29	25	17	15	8
U01-190127	26	22	35	29	25	29	35	27	23	22	18
U01-190266	31	19	42	32	31	34	40	30	29	27	22
U01-190391	29	21	43	32	29	37	40	29	24	29	12
U01-190518	29	21	41	30	27	32	35	29	23	29	20
U01-290401	32	27	47	32	29	31	44	32	31	25	23
SD95-NL34-1	29	25	35	34	28	32	35	28	30	27	18
SD95-NL37-1	31	29	44	34	29	30	40	29	28	31	19

PRELIMINARY TEST 0, 2003

SEED SIZE (g/100)

Strain	Mean 8 Tests	Morris MN	Rosemount MN	Casselton ND	Beemer NE	Cotesfield NE	Ottawa ONT	Woodstock ONT	St Bruno Montarville Que.	Brookings SD	Watertown SD
Lambert (0)	14.5	13.6	12.2		14.5		18.1	15.2	14.5	14.5	13.6
Parker (I)	15.8	14.2	12.5		16.1		20.7	14.3	16.1	18.6	13.5
Surge (L)	17.5	16.3	15.8		18.4		22.8	15.0	17.7	18.3	15.5
Traill (E)	15.2	13.6	14.6		14.3		18.5	13.1	15.5	17.0	14.9
M97-104145	16.1	13.5	14.5		15.2		21.0	16.7	17.0	16.1	14.8
M97-121061	15.3	13.2	13.5		14.2		21.0	14.7	15.5	17.2	12.8
M97-121138	14.5	11.7	12.6		14.5		18.9	13.5	14.5	17.9	12.4
M97-136016	17.0	14.5	13.9		15.7		23.0	17.3	18.5	18.0	15.4
M97-139031	13.2	10.9	12.9		13.0		16.6	12.3	13.9	14.2	11.8
M97-164072	15.2	13.3	13.5		14.9		19.2	14.2	15.0	17.9	13.5
M97-245027	14.9	11.9	12.8		13.7		19.9	16.0	16.0	14.4	14.3
M97-357138	14.1	13.0	12.3		13.3		18.9	12.1	15.0	14.9	13.4
M98-515-8-48	15.2	11.6	14.3		14.8		20.7	16.5	16.1	16.2	11.6
M98-103039	14.8	11.8	13.0		14.3		18.2	15.7	14.5	18.3	12.3
M98-105090	14.7	12.9	13.3		14.5		17.7	13.0	14.4	18.3	13.8
ND00-547	14.5	12.0	13.6		14.4		18.4	16.0	14.5	14.7	12.5
ND00-558	15.4	13.7	13.5		15.6		19.4	14.8	15.8	16.4	14.3
ND00-560	12.8	11.8	10.7		13.8		16.0	11.1	13.3	13.7	11.7
ND00-2756	11.6	10.6	10.2		12.0		14.5	9.6	11.8	13.7	10.8
ND00-2761	11.6	9.7	10.4		11.7		14.7	9.9	12.3	12.9	11.1
ND00-2763	11.7	9.2	9.9		12.2		14.2	9.9	12.4	13.6	12.1
ND00-2765	11.5	9.8	9.9		12.1		14.2	9.5	12.1	13.7	10.5
ND00-2766	11.3	9.3	10.1		11.9		13.9	9.6	11.8	13.1	10.5
ND00-2769	11.5	10.0	10.1		11.9		14.7	9.4	11.7	13.6	10.7
ND00-2774	11.5	9.6	10.2		11.7		14.2	10.0	11.6	14.5	10.5
ND00-2781	11.5	9.8	9.8		12.1		14.7	9.9	11.9	13.6	10.1
ND00-2782	11.7	10.0	10.3		11.7		14.7	10.4	11.5	15.1	10.3
ND00-2784	11.3	10.3	9.5		11.9		14.4	9.5	11.8	12.2	10.6
ND00-2787	11.6	9.3	9.5		12.4		13.7	10.2	11.7	15.1	10.5
OAC 02-19	18.6	14.1	19.4		17.4		24.9	18.0	21.1	18.6	15.5
OAC 02-27	16.7	12.9	15.4		16.8		21.9	15.6	19.3	17.2	14.7
OAC 02-30	17.2	14.8	15.4		17.4		21.1	16.0	18.8	19.7	14.5
ORC 0202	17.4	15.0	14.5		16.8		22.6	16.0	19.6	19.7	15.2
U01-190127	18.8	14.1	16.2		18.2		25.8	17.3	19.3	22.0	17.5
U01-190266	13.7	10.9	12.6		13.2		17.5	13.2	13.8	15.8	12.5
U01-190391	14.1	11.0	11.3		14.7		18.3	12.3	15.5	16.6	12.9
U01-190518	15.7	13.0	12.4		15.0		20.1	15.4	16.6	18.3	14.8
U01-290401	14.9	11.4	10.7		14.4		19.3	14.4	16.9	17.3	15.0
SD95-NL34-1	14.2	10.7	12.2		15.0		18.7	12.1	14.4	16.9	13.7
SD95-NL37-1	13.0	10.1	10.6		12.8		17.5	11.4	14.1	14.9	12.4

PRELIMINARY TEST 0, 2003

SEED QUALITY (score)

Strain	Mean 7 Tests	Morris MN	Rosemount MN	Casselton ND	Beemer NE	Cotesfield NE	Ottawa ONT	Woodstock ONT	St Bruno Montarville Que.	Brookings SD	Watertown SD
Lambert (0)	1.7	1.5	1.0				2.0	1.0	1.5	2.0	3.0
Parker (I)	1.9	3.0	1.0				2.0	1.5	1.0	4.0	1.0
Surge (L)	2.1	2.0	1.0				2.0	1.5	2.0	4.0	2.0
Traill (E)	1.4	1.0	1.0				2.0	1.5	1.0	2.0	1.0
M97-104145	1.8	1.5	1.0				2.0	1.5	1.5	2.0	3.0
M97-121061	2.0	2.0	1.5				2.0	1.5	1.0	4.0	2.0
M97-121138	1.6	1.5	1.5				2.0	1.5	1.0	3.0	1.0
M97-136016	2.0	1.5	1.5				2.0	1.0	1.0	4.0	3.0
M97-139031	1.6	1.0	1.5				2.0	2.0	1.0	3.0	1.0
M97-164072	1.9	1.5	1.5				2.0	1.0	2.0	3.0	2.0
M97-245027	2.0	1.0	2.0				2.0	1.5	1.5	3.0	3.0
M97-357138	2.1	2.0	3.0				2.0	2.0	1.5	2.0	2.0
M98-515-8-48	1.8	1.0	1.0				2.0	1.5	2.0	3.0	2.0
M98-103039	1.9	1.5	1.5				2.0	2.0	2.0	3.0	1.0
M98-105090	1.9	1.0	2.0				2.0	2.0	1.5	3.0	2.0
ND00-547	1.9	2.0	2.0				2.0	2.0	1.5	3.0	1.0
ND00-558	2.3	1.5	2.5				2.3	2.0	1.5	3.0	3.0
ND00-560	2.1	3.0	2.5				2.0	1.5	1.0	3.0	2.0
ND00-2756	1.9	1.5	1.5				2.0	2.0	1.5	3.0	2.0
ND00-2761	1.8	1.5	1.5				2.0	2.0	1.5	2.0	2.0
ND00-2763	1.9	1.5	1.5				2.0	1.5	2.0	4.0	1.0
ND00-2765	1.7	1.5	1.0				2.0	2.0	1.5	3.0	1.0
ND00-2766	1.6	1.5	1.5				2.0	2.0	1.0	2.0	1.0
ND00-2769	1.9	1.5	1.5				2.0	1.5	1.5	3.0	2.0
ND00-2774	1.9	1.5	1.5				2.0	2.0	2.0	2.0	2.0
ND00-2781	1.9	1.0	1.5				2.0	2.0	1.5	3.0	2.0
ND00-2782	1.9	1.5	1.5				2.0	2.0	1.0	3.0	2.0
ND00-2784	1.8	1.5	1.5				2.3	2.0	2.0	2.0	1.0
ND00-2787	2.0	1.0	2.0				2.0	2.0	2.0	3.0	2.0
OAC 02-19	2.6	3.5	4.0				2.0	1.5	1.5	3.0	3.0
OAC 02-27	1.9	2.0	2.5				2.0	1.5	1.0	3.0	1.0
OAC 02-30	2.1	1.5	3.0				2.0	1.5	2.0	4.0	1.0
ORC 0202	2.2	2.5	1.5				2.0	1.5	3.0	3.0	2.0
U01-190127	2.1	1.5	3.0				2.0	1.0	2.5	2.0	3.0
U01-190266	1.8	2.0	1.5				2.0	1.0	1.0	3.0	2.0
U01-190391	1.7	1.5	2.0				2.0	1.5	2.0	2.0	1.0
U01-190518	2.2	2.0	2.0				2.0	1.5	3.0	3.0	2.0
U01-290401	1.6	1.5	2.0				2.0	1.0	1.0	3.0	1.0
SD95-NL34-1	1.9	1.5	2.5				2.0	2.0	1.5	2.0	2.0
SD95-NL37-1	1.8	1.5	2.0				2.0	1.5	1.5	3.0	1.0

PRELIMINARY TEST 0, 2003

PROTEIN (%)

Strain	Mean 5 Tests	Morris MN	Rosemount MN	Casselton ND	Woodstock ONT	Brookings SD
Lambert (0)	42.3	42.2	42.2	40.5	45.3	41.2
Parker (I)	40.9	39.6	42.3	38.4	42.7	41.5
Surge (L)	43.2	43.1	44.7	41.4	45.7	41.1
Traill (E)	42.3	42.6	41.5	39.8	43.2	44.5
M97-104145	40.9	41.7	40.0	37.9	43.5	41.3
M97-121061	43.5	41.8	45.3	42.7	45.8	42.1
M97-121138	42.1	42.1	41.2	39.3	44.3	43.6
M97-136016	43.2	42.7	43.1	41.7	45.7	43.0
M97-139031	40.3	39.2	41.3	39.6	42.4	38.8
M97-164072	41.4	39.7	43.6	38.4	43.9	41.3
M97-245027	41.3	41.1	41.7	39.1	43.5	40.9
M97-357138	41.2	38.5	43.2	39.6	44.6	40.2
M98-515-8-48	40.5	39.6	39.9	38.9	43.1	40.8
M98-103039	40.8	39.0	39.9	39.2	43.5	42.5
M98-105090	42.0	40.4	41.6	40.4	44.5	43.0
ND00-547	40.6	39.1	42.1	37.9	44.3	39.5
ND00-558	42.7	42.6	43.5	40.4	45.1	41.7
ND00-560	41.5	38.6	44.2	39.3	43.8	41.6
ND00-2756	41.7	39.1	43.7	39.9	44.5	41.4
ND00-2761	42.0	40.4	43.4	40.4	45.0	41.1
ND00-2763	42.1	40.5	43.9	39.2	44.4	42.7
ND00-2765	42.1	40.5	43.5	38.1	44.9	43.7
ND00-2766	41.5	41.8	43.4	36.3	44.9	40.9
ND00-2769	41.1	39.6	43.3	36.3	45.8	40.5
ND00-2774	42.1	41.0	44.2	38.4	45.0	41.7
ND00-2781	42.1	42.6	42.6	37.4	45.0	42.9
ND00-2782	40.8	39.7	41.0	39.1	43.9	40.3
ND00-2784	41.8	41.5	43.0	39.5	45.5	39.5
ND00-2787	42.2	42.0	42.8	40.1	44.1	42.0
OAC 02-19	40.7	39.4	41.5	39.2	43.5	40.1
OAC 02-27	42.7	43.8	43.7	39.7	44.0	42.2
OAC 02-30	41.8	40.0	43.1	40.7	42.9	42.3
ORC 0202	42.0	40.0	43.7	39.0	43.7	43.5
U01-190127	40.0	39.0	40.6	37.9	41.4	41.1
U01-190266	40.9	40.6	42.0	38.3	41.9	41.9
U01-190391	41.3	39.5	44.8	38.0	44.6	39.6
U01-190518	40.2	38.5	42.8	38.0	40.8	41.1
U01-290401	39.4	37.8	42.9	34.5	42.6	39.3
SD95-NL34-1	40.6	39.1	41.9	38.3	42.9	40.9
SD95-NL37-1	40.8	38.9	42.3	37.9	43.2	41.9

PRELIMINARY TEST 0, 2003

OIL (%)

Strain	Mean 5 Tests	Morris MN	Rosemount MN	Casselton ND	Woodstock ONT	Brookings SD
Lambert (0)	20.6	21.0	20.0	21.8	19.5	20.7
Parker (I)	20.0	19.6	19.2	21.2	19.8	20.5
Surge (L)	19.5	19.8	19.7	20.1	18.9	19.1
Traill (E)	20.1	20.6	19.7	21.1	19.6	19.4
M97-104145	20.0	19.7	19.9	21.3	19.6	19.6
M97-121061	19.2	20.2	18.3	19.4	18.7	19.7
M97-121138	20.0	20.7	19.8	21.0	19.3	19.0
M97-136016	19.4	19.0	19.5	20.1	18.8	19.8
M97-139031	20.5	20.9	20.0	21.0	20.3	20.3
M97-164072	19.3	19.2	18.8	20.6	18.8	19.3
M97-245027	19.5	19.3	19.0	20.7	19.1	19.5
M97-357138	19.4	19.6	18.9	20.0	19.2	19.4
M98-515-8-48	20.3	20.9	20.0	20.9	19.3	20.7
M98-103039	19.6	20.0	18.7	20.3	19.5	19.7
M98-105090	19.5	20.0	19.0	19.9	19.4	19.4
ND00-547	20.4	20.8	19.8	21.0	20.0	20.3
ND00-558	19.3	19.8	19.1	18.9	19.3	19.4
ND00-560	19.9	20.6	18.3	20.6	19.6	20.3
ND00-2756	20.5	21.0	19.5	21.7	19.4	20.8
ND00-2761	20.3	20.2	20.2	21.2	19.2	20.6
ND00-2763	20.1	20.0	19.7	21.2	19.4	20.3
ND00-2765	20.2	19.9	19.9	21.3	19.2	20.6
ND00-2766	20.6	20.3	19.9	22.2	19.4	21.2
ND00-2769	20.5	20.5	20.2	22.4	18.7	20.6
ND00-2774	20.1	20.0	19.6	20.8	19.1	20.9
ND00-2781	20.3	19.9	20.3	21.4	19.2	20.5
ND00-2782	20.3	19.9	19.4	20.9	19.6	21.5
ND00-2784	20.4	20.1	19.6	22.0	19.1	21.0
ND00-2787	20.2	19.8	19.6	21.2	19.6	20.9
OAC 02-19	19.0	17.4	19.2	19.5	19.5	19.6
OAC 02-27	19.5	18.7	19.2	20.2	19.3	20.1
OAC 02-30	19.7	19.6	19.4	19.2	19.9	20.2
ORC 0202	19.8	19.6	19.3	19.6	19.9	20.4
U01-190127	19.0	17.9	18.9	18.9	20.0	19.5
U01-190266	20.3	20.0	19.2	21.0	20.5	20.9
U01-190391	18.4	18.1	15.9	20.1	18.2	19.6
U01-190518	19.1	18.4	19.4	18.8	19.7	19.4
U01-290401	19.3	18.4	17.5	19.8	19.6	21.1
SD95-NL34-1	19.6	18.4	19.5	20.8	19.3	20.3
SD95-NL37-1	19.5	19.7	18.7	20.3	19.1	19.7

Uniform Test I, 2003

Ent.	Strain	Parentage	Previous Testing	Generation Composited	Unique Traits
1	Parker (I)	A79-136012 x Dawson	14	F5	Rps1
2.	IA2050 (L) (BSR)	Northrup King S24-92 x A91-501002	5	F5	BSR
3.	Lambert (0)	M75-274 x M76-151	11	F5	Rps1
4.	A01-409031	A97-874014 x Pioneer 9321	PTI	F4	
5.	M95-215050	M92-836 x MN1801	UT0-PTI	F5	Rps1a
6.	M95-227016	IA2008R x M91-201	1	F5	Rps1k, BSR
7.	M96-385063	M92-836 X ND(M)91-895	PTI	F5	Rps1
8.	SD96-135-3	Surge x Hendricks	1	F4	
9.	SD99-1909	Lambert x (Marcus x Sturdy)	PTI	F5	Rps1-a

UNIFORM TEST I, 2003

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Humboldt IA	Chlorosis Score Wilkin Co. MN	Green Stem Score Fayetteville AR	Green Stem Score Kanawha IA	Shattering Score Ashland KS
Parker (I)	WGBDYBfI	3.6	3.3	1.0	3.0	1.0
IA2050 (L) (BSR)	PTBIYBlI	3.9	2.5	1.0	2.0	1.0
Lambert (0)	PGBSYLbfI	2.8	3.3	1.0	2.0	2.0
A01-409031	PGBDYYI	3.8	2.5	1.0	3.0	1.0
M95-215050	WGBIYBfI	2.9	2.7	1.0	2.0	2.0
M95-227016	P+WGTSYBfI	3.0	2.7	1.0	2.0	1.0
M96-385063	PTTDYBrI	2.9	2.8	1.0	2.0	1.0
SD96-135-3	PGBDYLbfI	2.1	2.7	1.0	3.0	1.0
SD99-1909	PGBDYBfI	3.6	2.7	1.0	2.0	1.0

UNIFORM TEST I, 2003

DESCRIPTIVE AND DISEASE DATA

	PR		SDS		PS	P&SB
	Lafayette		Pontiac	Paris	Lafayette	
	Race	Race	IL	IL	a	n
Strain	4	7	DX	DX	%	%
Parker (I)	S	S	2	0	18	0
IA2050 (L) (BSR)	S	R	11	1	8	0
Lambert (0)	S	S	6	0	6	6
A01-409031	S	S	13	4	2	2
M95-215050	H	S	16	0	8	6
M95-227016	R	R	17	0	12	8
M96-385063	H	H	13	0	2	8
SD96-135-3	S	S	11	0	2	8
SD99-1909	R	R	2	0	6	8

UNIFORM TEST I, 2003

REGIONAL SUMMARY

Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	Composition Protein	Composition Oil
No. of Tests	10	10	12	11	11	11	7	5	5
	bu/a	No.	Date	Score	In.	g/100	Score	%	%
Parker (I)	42.4	3	9/11	2.0	34	14.6	1.5	41.8	20.4
IA2050 (L) (BSR)	39.1	9	4.0	1.3	29	13.3	1.5	43.2	19.2
Lambert (0)	40.9	7	-4.7	1.3	27	14.0	1.3	42.5	20.7
A01-409031	42.4	3	6.6	1.7	28	16.3	1.6	43.1	19.1
M95-215050	41.7	6	-1.5	1.6	31	13.6	1.4	42.7	19.7
M95-227016	42.5	2	-0.4	1.7	31	12.3	1.5	41.2	20.6
M96-385063	44.4	1	-1.8	1.7	30	14.4	1.6	42.2	19.3
SD96-135-3	42.4	3	0.4	1.2	27	16.6	1.7	42.1	21.1
SD99-1909	39.5	8	-2.2	1.4	27	13.3	1.4	42.8	20.0

111.3 Days After Planting

UNIFORM TEST I, 2003

2002-2003 2-YEAR MEAN

Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	Composition Protein	Composition Oil
No. of Tests	26	26	27	27	27	26	16	10	10
	bu/a	No.	Date	Score	In.	g/100	Score	%	%
Parker (I)	45.6	2	9/12	1.9	34	16.2	1.8	41.2	20.4
IA2050 (L) (BSR)	46.3	1	3.6	1.3	29	14.9	1.8	41.9	19.3
Lambert (0)	42.7	5	-5.1	1.3	26	14.9	1.8	41.8	20.7
M95-227016	45.3	3	-2.0	1.6	31	13.5	1.8	40.7	20.2
SD96-135-3	44.9	4	-1.3	1.2	27	17.8	2.2	41.7	21.0

115.1 Days After Planting

UNIFORM TEST I, 2003

YIELD (bu/a)

Strain	Mean 10 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Ames IA	Kanawha IA	Lafayette IN	Wanatah* IN	Ingham County MI	Saginaw County MI
Parker (I)	42.4	72.6	30.2	52.4	46.8	32.2	27.8	36.4	29.6
IA2050 (L) (BSR)	39.1	73.2	45.1	43.5	39.8	34.8	26.8	32.3	28.6
Lambert (0)	40.9	49.3	6.0	49.0	40.9	23.4	20.0	34.7	35.1
A01-409031	42.4	67.9	23.8	47.1	44.7	32.7	38.6	40.5	25.1
M95-215050	41.7	57.0	29.5	49.2	41.2	29.6	21.9	41.7	31.4
M95-227016	42.5	61.7	26.2	48.2	40.0	25.9	27.1	42.7	31.3
M96-385063	44.4	64.8	25.8	47.9	47.6	30.2	26.3	42.9	30.8
SD96-135-3	42.4	60.6	25.7	51.2	40.9	27.2	23.0	41.7	30.3
SD99-1909	39.5	59.1	34.2	48.4	40.5	29.5	28.0	34.5	28.3
C.V. (%)		13.3	18.5	8.0	6.4	6.6	18.9	7.7	5.6
L.S.D. (5%)		14.4	11.4	8.9	6.3	3.3	8.6	5.5	3.2
Row Sp. (In.)		7.5	7.5	27	27	24	26	15	15
Rows/Plot		7	9	4	4	4	4	6	6
Reps		3	3	2	2	3	3	2	2

*Data not included in mean.

UNIFORM TEST I, 2003

YIELD RANK

Strain	12 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Ames IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI
Parker (I)	3	2	3	1	2	3	3	6	6
IA2050 (L) (BSR)	9	1	1	9	9	1	5	9	7
Lambert (0)	7	9	9	4	5	9	9	7	1
A01-409031	3	3	8	8	3	2	1	5	9
M95-215050	6	8	4	3	4	5	8	3	2
M95-227016	2	5	5	6	8	8	4	2	3
M96-385063	1	4	6	7	1	4	6	1	4
SD96-135-3	3	6	7	2	5	7	7	4	5
SD99-1909	8	7	2	5	7	6	2	8	8

*Data not included in mean.

UNIFORM TEST I, 2003

YIELD (bu/a)

Strain	Lamberton MN	Waseca MN	Portageville* (Loam) MO	Ridgetown Ont	Talbotville Ont	Brookings SD	Watertown* SD
Parker (I)	33.3	41.8	33.5	53.0	52.7	45.5	18.3
IA2050 (L) (BSR)	32.7	34.3	43.3	50.0	51.2	43.9	14.2
Lambert (0)	42.2	47.9	14.1	50.3	45.3	40.4	18.7
A01-409031	37.2	48.7	35.7	53.3	46.7	47.5	22.2
M95-215050	37.5	43.3	25.5	51.6	48.3	43.5	20.1
M95-227016	35.2	46.5	28.8	60.8	47.8	46.2	18.1
M96-385063	39.2	52.9	28.8	53.0	50.6	48.4	19.6
SD96-135-3	32.3	47.6	31.2	59.2	50.0	44.0	19.3
SD99-1909	36.5	37.1	32.7	45.1	43.7	51.5	19.8
C.V. (%)	7.2	7.7	13.1	8.4	3.2	9.3	21.5
L.S.D. (5%)	4.5	5.9	5.7	6.4	3.1	7.0	6.8
Row Sp. (In.)	10	10	7.5	17	14	30	30
Rows/Plot	10	10	6	5	4	4	4
Reps	3	3	3	3	3	3	3

UNIFORM TEST I, 2003

YIELD RANK

Strain	Lamberton MN	Waseca MN	Portageville* (Loam) MO	Ridgetown Ont	Talbotville Ont	Brookings SD	Watertown SD
Parker (I)	7	7	3	4	1	5	7
IA2050 (L) (BSR)	8	9	1	8	2	7	9
Lambert (0)	1	3	9	7	8	9	6
A01-409031	4	2	2	3	7	3	1
M95-215050	3	6	8	6	5	8	2
M95-227016	6	5	6	1	6	4	8
M96-385063	2	1	6	5	3	2	4
SD96-135-3	9	4	5	2	4	6	5
SD99-1909	5	8	4	9	9	1	3

UNIFORM TEST I, 2003

MATURITY (date)

Strain	Mean 12 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Ames IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI
Parker (I)	9/11	8/5	7/27	9/5	9/16	9/1	9/11	9/9	9/7
IA2050 (L) (BSR)	4.0	2	14	3	-1	7	5	7	4
Lambert (0)	-4.7	-1	-8	-8	-11	-6	-7	0	0
A01-409031	6.6	3	18	6	3	11	8	15	6
M95-215050	-1.5	0	-9	-6	-8	-1	-4	6	3
M95-227016	-0.4	-1	0	-1	-6	2	-3	5	2
M96-385063	-1.8	-2	1	-3	-6	-2	-2	4	1
SD96-135-3	0.4	1	0	1	-5	0	-2	7	1
SD99-1909	-2.2	0	4	-4	-6	0	-2	3	0
Date Planted	5/23	4/28	4/21	5/18	5/21	5/24	5/23	5/22	5/21
Days to Mature	111	99	97	110	118	100	111	110	109

*Data not included in mean.

UNIFORM TEST I, 2003

LODGING (score)

Strain	Mean 11 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Ames IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI
Parker (I)	2.0	2.3	1.0	3.8	2.0	1.5	1.0	1.0	2.5
IA2050 (L) (BSR)	1.3	1.0	1.0	2.3	1.3	1.0	1.0	1.0	1.0
Lambert (0)	1.3	1.0	1.0	2.0	1.5	1.0	1.0	1.0	1.5
A01-409031	1.7	1.0	1.0	2.5	2.0	1.3	1.3	1.0	1.5
M95-215050	1.6	1.0	1.0	2.5	2.0	1.0	1.0	1.0	1.5
M95-227016	1.7	2.0	1.0	3.3	1.5	1.0	1.0	1.0	1.5
M96-385063	1.7	1.0	1.0	2.3	2.5	1.0	1.0	1.0	1.5
SD96-135-3	1.2	1.0	1.0	1.8	1.0	1.0	1.0	1.0	1.0
SD99-1909	1.4	1.0	1.0	2.5	1.5	1.0	1.0	1.0	1.0

*Data not included in mean.

UNIFORM TEST I, 2003

MATURITY (date)

Strain	Lamberton MN	Waseca MN	Portageville* (Loam) MO	Ridgetown Ont	Talbotville Ont	Brookings SD	Watertown SD
Parker (I)	9/18	9/17	8/4	9/15	9/12	9/15	9/12
IA2050 (L) (BSR)	3	0	9	1	4	6	8
Lambert (0)	-3	-8	13	-1	-2	-4	-7
A01-409031	5	8	7	7	6	6	9
M95-215050	0	-3	-7	0	1	-2	-4
M95-227016	0	-3	-3	1	0	-3	1
M96-385063	-2	-4	-8	0	-1	-3	-3
SD96-135-3	-1	-3	-3	2	1	1	3
SD99-1909	-3	-5	-3	-1	-2	-3	-4
Date Planted	5/16	5/27	4/28	6/7	5/30	5/15	5/24
Days to Mature	125	113	98	100	105	123	111

UNIFORM TEST I, 2003

LODGING (score)

Strain	Lamberton MN	Waseca MN	Portageville* (Loam) MO	Ridgetown Ont	Talbotville Ont	Brookings SD	Watertown SD
Parker (I)	2.7	2.3	1.0	1.7	2.2		1.0
IA2050 (L) (BSR)	1.7	2.0	1.0	1.0	0.9		1.0
Lambert (0)	1.0	2.0	1.0	1.0	1.0		1.0
A01-409031	2.7	2.0	1.0	1.7	1.4		1.0
M95-215050	2.0	2.3	1.0	2.0	1.8		1.0
M95-227016	2.0	2.7	1.0	2.0	1.7		1.0
M96-385063	2.3	2.3	1.0	1.7	1.6		1.0
SD96-135-3	1.0	2.0	1.0	1.0	1.0		1.0
SD99-1909	1.3	2.0	1.0	1.3	1.3		1.0

UNIFORM TEST I, 2003

PLANT HEIGHT (inches)

Strain	Mean 11 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Ames IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI
Parker (I)	34	29	8	38	38	30	28	30	40
IA2050 (L) (BSR)	29	25	7	32	30	26	23	28	32
Lambert (0)	27	18	7	30	31	23	21	24	35
A01-409031	28	27	7	29	31	25	26	25	28
M95-215050	31	24	8	31	35	26	22	27	37
M95-227016	31	25	7	35	33	26	25	30	40
M96-385063	30	23	8	30	34	25	25	29	36
SD96-135-3	27	19	8	29	29	23	21	25	31
SD99-1909	27	22	7	27	29	21	23	25	29

*Data not included in mean.

UNIFORM TEST I, 2003

SEED SIZE (g/100)

Strain	Mean 11 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Ames IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI
Parker (I)	14.6	17.1		14.5	17.3	14.1	12.0	15.1	11.3
IA2050 (L) (BSR)	13.3	15.8		12.2	13.8	12.5	11.5	12.4	11.6
Lambert (0)	14.0	17.2		14.3	16.8	12.5	10.5	14.2	11.4
A01-409031	16.3	16.8		15.8	18.5	14.9	15.1	15.9	12.9
M95-215050	13.6	16.3		13.7	16.2	12.3	11.2	14.0	10.6
M95-227016	12.3	13.8		12.5	14.3	11.5	10.0	12.8	10.1
M96-385063	14.4	15.9		13.8	17.5	13.8	10.5	15.3	11.1
SD96-135-3	16.6	19.3		17.3	18.9	15.4	12.5	18.7	12.0
SD99-1909	13.3	15.9		13.3	15.8	13.1	10.3	12.8	10.6

*Data not included in mean.

UNIFORM TEST I, 2003

PLANT HEIGHT (inches)

Strain	Lamberton MN	Waseca MN	Portageville* (Loam) MO	Ridgetown Ont	Talbotville Ont	Brookings SD	Watertown SD
Parker (I)	37	39	22	37	34		28
IA2050 (L) (BSR)	31	30	23	34	29		20
Lambert (0)	28	30	11	31	25		20
A01-409031	30	28	22	30	29		24
M95-215050	31	36	18	38	33		29
M95-227016	31	33	24	34	31		26
M96-385063	33	33	21	34	31		24
SD96-135-3	29	29	18	29	27		25
SD99-1909	29	29	22	28	28		24

UNIFORM TEST I, 2003

SEED SIZE (g/100)

Strain	Lamberton MN	Waseca MN	Portageville* (Loam) MO	Ridgetown Ont	Talbotville Ont	Brookings SD	Watertown SD
Parker (I)	14.4	16.4	13.8		15.2	16.2	14.2
IA2050 (L) (BSR)	13.4	15.3	15.7		13.1	16.0	14.5
Lambert (0)	14.5	15.5	10.9		15.0	15.9	13.0
A01-409031	17.2	18.7	17.9		15.4	17.9	17.0
M95-215050	13.1	14.0	12.0		14.7	16.1	13.2
M95-227016	12.2	13.9	11.5		12.9	13.4	12.1
M96-385063	14.5	16.6	13.2		15.0	16.7	14.2
SD96-135-3	17.3	19.0	16.0		17.2	17.9	16.1
SD99-1909	13.8	15.0	13.8		13.2	15.2	13.1

UNIFORM TEST I, 2003

SEED QUALITY (score)

Strain	Mean 7 Tests	Fayetteville* irrigated AR	Keiser* irrigated AR	Ames IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI
Parker (I)	1.5	3.7				1.0	1.0		
IA2050 (L) (BSR)	1.5	1.7				1.0	1.0		
Lambert (0)	1.3	2.8				1.0	1.0		
A01-409031	1.6	2.8				1.0	1.0		
M95-215050	1.4	2.7				1.0	1.0		
M95-227016	1.5	2.2				1.0	1.0		
M96-385063	1.6	2.2				1.0	1.0		
SD96-135-3	1.7	2.8				1.0	1.5		
SD99-1909	1.4	2.7				1.0	1.5		

*Data not included in mean.

UNIFORM TEST I, 2003

SEED QUALITY (score)

Strain	Lamberton MN	Waseca MN	Portageville* (Loam) MO	Ridgetown Ont	Talbotville Ont	Brookings SD	Watertown SD
Parker (I)	1.7	1.0	5.0		1.5	2.0	2.0
IA2050 (L) (BSR)	2.0	1.3	3.0		1.0	3.0	1.0
Lambert (0)	1.3	1.3	4.0		1.5	2.0	1.0
A01-409031	1.3	1.7	2.0		1.0	2.0	3.0
M95-215050	1.3	1.3	4.0		1.5	2.0	2.0
M95-227016	1.7	1.3	4.0		1.5	3.0	1.0
M96-385063	1.3	1.3	4.0		1.5	3.0	2.0
SD96-135-3	1.3	1.7	5.0		1.5	3.0	2.0
SD99-1909	1.7	1.3	4.0		1.5	2.0	1.0

UNIFORM TEST I, 2003

PROTEIN (%)

Strain	Mean 5 Tests	Ames IA	Lamberton MN	Lafayette IN	Talbotville Ont.	Brookings SD
Parker (I)	41.8	40.7	42.5	43.3	40.9	41.4
IA2050 (L) (BSR)	43.2	43.4	43.1	44.7	43.3	41.7
Lambert (0)	42.5	42.3	41.2	43.5	42.7	42.7
A01-409031	43.1	43.4	43.3	43.0	43.3	42.3
M95-215050	42.7	42.4	42.5	44.3	42.3	42.0
M95-227016	41.2	40.6	41.8	42.8	40.7	40.2
M96-385063	42.2	43.4	40.7	44.4	41.0	41.6
SD96-135-3	42.1	42.5	41.7	43.6	41.3	41.6
SD99-1909	42.8	42.9	42.9	43.7	42.0	42.3

UNIFORM TEST I, 2003

OIL (%)

Strain	Mean 5 Tests	Ames IA	Lamberton MN	Lafayette IN	Talbotville Ont.	Brookings SD
Parker (I)	20.4	20.7	19.9	20.4	20.9	20.2
IA2050 (L) (BSR)	19.2	18.8	19.5	18.4	19.9	19.6
Lambert (0)	20.7	20.4	21.2	20.4	20.8	20.6
A01-409031	19.1	19.4	18.8	18.4	19.7	19.4
M95-215050	19.7	19.5	20.0	18.8	20.3	19.8
M95-227016	20.6	21.0	20.2	20.1	21.3	20.3
M96-385063	19.3	18.4	19.3	18.3	20.7	19.6
SD96-135-3	21.1	21.1	21.0	20.1	21.8	21.4
SD99-1909	20.0	20.1	20.1	19.2	19.9	20.4

Preliminary Test I, 2003

Ent.	Strain	Parentage	Generation Composited	Unique Traits
1	Parker (I)	A79-136012 x Dawson	F5	Rps1
2.	IA2050 (L) (BSR)	Northrup King S24-92 x A91-501002	F5	BSR
3.	Lambert (0)	M75-274 x M76-151	F5	Rps1
4.	A02-136021	NE1900 x Pioneer XB28V99	F5	
5.	A02-136027	NE1900 x Pioneer XB28V99	F5	
6.	A02-136028	NE1900 x Pioneer XB28V99	F5	
7.	A02-136030	NE1900 x Pioneer XB28V99	F5	
8.	A02-136031	NE1900 x Pioneer XB28V99	F5	
9.	A02-136032	NE1900 x Pioneer XB28V99	F5	
10.	A02-136053	A98-890011 x Pioneer 91B53	F5	
11.	A02-137022	A98-891028 x Pioneer 93B82	F5	
12.	A02-138008	IA2046 x Dairyland 97645	F5	
13.	A02-138012	IA2049 x Dairyland 97750	F5	
14.	A02-138032	IA1011 x Dairyland 98469	F5	
15.	A02-138036	IA2040 x Land O'Lakes 95-10104	F5	
16.	A02-138037	IA2040 x Land O'Lakes 95-10104	F5	
17.	A02-138043	A98-892037 x Northrup King S28-T3	F5	
18.	A02-237052	NE1900 x Pioneer XB28V99	F5	
19.	M97-129094	Archer x A2021	F5	Rps1k
20.	M97-130015	MN1801 x Marcus 95	F5	Rps1k
21.	M97-132053	SD(M)93-3524 x Lambert	F5	Rps6
22.	M97-132073	SD(M)93-3524 x Lambert	F5	Rps1k
23.	M97-252005	Parker x PI561.353	F5	Rps1
24.	M98-519-5-5	Parker(3) X Minsoy	F3	
25.	MTC97CROSS-2013	Dillon X OAC Musca	F3	Rps1
26.	ORC 0204	Westag 97 x RCAT Legacy	F5	
27.	ORC 0207	RCAT 9603 x RCAT 9604	F5	
28.	ORC 0215	SW 33-08 x Pioneer 9163	F5	
29.	U01-290117	Heinong 37 x NE3001	F5	Determinate
30.	U01-290172	Harbin 92-1062 x NE1900	F5	Determinate
31.	U01-390075	Jilin 33 x NE3001	F5	Determinate
32.	U01-390224	Harbin 92-1062 x NE3202	F5	Determinate
33.	U01-390701	A97-871009 x A97-770031	F5	

PRELIMINARY TEST I, 2003

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Humboldt IA	Chlorosis Score Wilkin Co. MN	Shattering Score Ashland KS	Green Stem Score Kanawha IA	Green Stem Score St. Bruno Que	PR Lafayette Race 4	PR Lafayette Race 7	PS Lafayette a %	P&SB Lafayette n %
Parker (I)	WGBDYBfI	3.6	3.3	1.0	3.0	2.5	S	S	18	0
IA2050 (L) (BSR)	PTBIYBlI	3.9	3.3	1.0	2.0	1.0	S	R	8	0
Lambert (0)	PGBSYLbfI	2.8	3.5	2.0	2.0	1.5	S	S	6	6
A02-136021	P+WGBDYYI	3.1	3.3	2.0	2.0	1.0	S	H	0	2
A02-136027	WGBDYYI	3.1	3.8	1.0	2.0	1.5	S	S	2	0
A02-136028	P+WGBDYYI	3.5	3.0	1.0	2.0	1.5	S	S	6	6
A02-136030	WGBDYYI	3.8	3.0	1.0	3.0	2.0	S	S	6	0
A02-136031	PTBDYYI	3.4	2.7	1.0	3.0	1.0	S	R*	6	2
A02-136032	PGBDYYI	3.3	3.3	1.0	1.0	1.5	S	R	12	0
A02-136053	PSBSYYI	3.3	3.8	1.0	3.0	1.0	S	R	0	0
A02-137022	PGBDYYI	3.5	3.2	1.0	1.0	0.5	S	S	8	6
A02-138008	PTBDYY+BrI	3.9	3.5	1.0	2.0	1.5	S	R	0	0
A02-138012	PGBDYY+BfI	3.0	3.7	2.0	1.0	1.0	S	H	2	2
A02-138032	PSBDYYI	3.5	3.3	2.0	2.0	1.0	R	R	4	0
A02-138036	PGTDYYI	2.4	3.2	1.0	1.0	1.0	S	R	14	6
A02-138037	PGBDYYI	2.9	3.2	1.0	1.0	1.0	S	R	0	0
A02-138043	PGBDYYI	3.6	3.5	2.0	3.0	1.0	S	S	6	0
A02-237052	WGBDYYI	3.5	3.2	2.0	3.0	1.5	S	S	8	0
M97-129094	PTTIYBlI	2.9	2.7	1.0	2.0	1.0	R	R	2	18
M97-130015	PTTDYBrI	2.4	2.8	1.0	2.0	1.5	H	R	6	16
M97-132053	PGBIYBfI	2.9	3.5	1.0	2.0	2.5	R	R*	4	12
M97-132073	PGTDYBfI	3.3	3.5	1.0	2.0	1.5	R	R	8	6
M97-252005	WGBDYLbfI	3.3	3.2	1.0	3.0	2.0	S	S	4	8
M98-519-5-5	WGBDYBfI	2.5	3.3	2.0	3.0	1.5	S	H	2	10
MTC97CROSS-2013	PTTDYBlI	2.4	3.3	1.0	3.0	1.5	S	R*	10	10
ORC 0204	PGBDYYI	3.8	3.8	1.0	5.0	.	S	S	0	0
ORC 0207	PGBDYYI	4.1	3.2	1.0	4.0	.	S	S	6	0
ORC 0215	PGTDYYI	2.6	2.8	1.0	2.0	1.0	R*	S	10	2
U01-290117	WGBIYBfI	4.0	3.5	1.0	3.0	.	S	S	4	0
U01-290172	WGBDYBfI	3.3	3.3	1.0	3.0	1.5	S	S	0	0
U01-390075	WGBIYYI	3.5	3.7	1.0	3.0	.	S	R	0	2
U01-390224	WGBDYBfI	3.8	4.0	1.0	3.0	2.5	R	R	4	2
U01-390701	PGBDYYI	2.6	3.0	1.0	1.0	1.5	R	R	3	0

* = entry being retested.

PRELIMINARY TEST I, 2003

REGIONAL SUMMARY

Strain	Yield 13 bu/a	Rank 13 No.	Maturity 14 Date	Lodging 14 Score	Plant Height 14 In.	Seed Size 12 g/100	Seed Quality 8 Score	Composition Protein 5 %	Composition Oil 5 %
Parker (I)	44.9	12	9/12	1.7	33	15.2	1.4	41.2	20.7
IA2050 (L) (BSR)	43.6	17	4.0	1.3	29	13.9	1.7	41.6	19.7
Lambert (0)	40.9	26	-4.8	1.3	28	14.5	1.4	41.0	21.0
A02-136021	47.5	3	3.2	1.4	28	14.5	1.4	40.5	19.6
A02-136027	48.4	2	4.5	1.3	29	13.5	1.8	40.7	19.4
A02-136028	46.8	5	2.0	1.3	29	14.1	1.8	41.0	19.8
A02-136030	47.1	4	1.8	1.4	29	13.0	1.6	41.3	19.4
A02-136031	46.6	7	3.7	1.4	29	13.9	1.8	41.1	19.4
A02-136032	48.7	1	4.3	1.4	31	14.9	1.7	41.2	19.9
A02-136053	42.4	20	4.1	1.3	30	16.5	1.5	41.9	19.5
A02-137022	37.4	32	7.2	1.6	29	21.3	2.8	42.9	18.5
A02-138008	41.5	24	4.0	1.3	29	18.9	1.6	41.7	19.7
A02-138012	39.4	29	6.2	1.3	30	16.2	2.0	41.7	19.9
A02-138032	43.0	19	5.8	1.4	31	16.3	1.6	41.6	19.9
A02-138036	40.9	26	4.9	1.3	29	18.6	1.9	42.2	19.7
A02-138037	44.8	13	6.3	1.4	28	17.7	1.8	40.3	20.3
A02-138043	41.3	25	8.5	1.4	29	18.6	2.0	43.0	19.5
A02-237052	46.8	5	5.4	1.4	29	13.8	1.7	41.2	19.8
M97-129094	41.7	23	-2.6	1.7	32	14.8	1.5	40.0	20.6
M97-130015	45.2	11	0.5	1.4	29	14.0	1.4	42.2	20.6
M97-132053	44.4	15	0.6	1.4	31	15.0	1.6	41.4	21.0
M97-132073	43.1	18	0.4	1.4	28	14.1	1.3	42.1	21.6
M97-252005	44.6	14	2.0	1.3	30	13.4	1.4	41.6	20.4
M98-519-5-5	42.2	21	1.9	1.7	33	14.9	1.8	41.9	20.4
MTC97CROSS-2013	44.0	16	-1.1	1.4	33	17.2	1.8	42.2	19.6
ORC 0204	42.1	22	7.6	1.3	26	15.3	1.5	41.0	20.7
ORC 0207	35.9	33	8.5	1.3	25	16.8	1.8	41.7	20.1
ORC 0215	45.6	9	7.9	1.4	32	14.1	1.9	40.0	20.3
U01-290117	39.2	30	10.4	1.9	28	15.5	2.5	39.7	20.3
U01-290172	39.5	28	9.8	1.5	32	14.9	1.9	39.8	19.9
U01-390075	39.0	31	9.6	1.9	30	15.6	2.1	38.8	20.0
U01-390224	45.5	10	8.2	1.2	29	16.8	1.7	40.1	20.6
U01-390701	46.0	8	7.7	1.4	30	15.1	1.6	41.2	20.8

112.6 Days After Planting

PRELIMINARY TEST I, 2003

YIELD (bu/a)

Strain	Mean 13 Tests	Ames IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Lamberton MN	Waseca MN
Parker (I)	44.9	52.4	46.8	35.3	27.0	38.1	46.6	53.6
IA2050 (L) (BSR)	43.6	43.5	39.8	41.8	25.4	30.2	46.9	48.9
Lambert (0)	40.9	49.0	40.9	32.3	25.4	38.2	46.7	51.1
A02-136021	47.5	49.6	45.7	39.8	30.9	36.4	46.8	53.2
A02-136027	48.4	55.2	47.2	40.1	31.8	35.3	53.4	54.5
A02-136028	46.8	49.5	48.9	42.2	33.5	36.8	50.6	43.7
A02-136030	47.1	49.0	43.3	42.5	29.9	40.8	50.2	47.8
A02-136031	46.6	46.7	42.7	37.7	28.7	34.6	50.5	56.1
A02-136032	48.7	51.5	41.4	42.1	29.1	41.2	50.5	55.6
A02-136053	42.4	50.6	37.8	36.2	35.5	31.4	38.9	40.4
A02-137022	37.4	37.0	36.7	34.0	22.7	31.2	40.3	33.5
A02-138008	41.5	42.5	40.2	36.3	24.9	32.8	39.6	40.6
A02-138012	39.4	39.2	39.6	35.5	24.7	23.6	44.3	35.5
A02-138032	43.0	47.8	38.5	32.6	28.3	29.7	51.2	42.5
A02-138036	40.9	48.0	38.9	31.0	27.0	31.5	40.0	42.4
A02-138037	44.8	52.3	40.4	32.2	30.8	35.9	45.2	46.9
A02-138043	41.3	42.5	39.6	35.8	26.0	33.4	44.0	39.6
A02-237052	46.8	47.9	48.0	38.0	26.3	35.4	50.6	54.4
M97-129094	41.7	44.6	41.4	32.4	25.1	39.1	40.4	48.5
M97-130015	45.2	47.7	44.9	35.1	29.7	40.4	43.3	43.5
M97-132053	44.4	48.6	44.4	35.3	26.5	36.9	47.5	50.6
M97-132073	43.1	46.3	42.5	35.5	25.2	34.0	45.6	40.8
M97-252005	44.6	50.1	42.9	33.8	29.2	36.6	40.1	49.6
M98-519-5-5	42.2	46.6	40.5	32.8	23.2	37.5	43.4	47.8
MTC97CROSS-2013	44.0	46.6	41.3	33.5	28.6	38.0	45.3	47.7
ORC 0204	42.1	44.1	38.7	31.6	35.2	42.7	42.4	44.0
ORC 0207	35.9	33.0	30.9	27.0	29.3	32.8	28.5	42.0
ORC 0215	45.6	52.1	42.1	36.3	39.0	43.0	51.4	44.7
U01-290117	39.2	40.0	39.4	29.3	24.7	35.8	40.8	32.9
U01-290172	39.5	37.7	32.3	36.2	28.1	24.8	46.3	38.3
U01-390075	39.0	40.3	39.6	36.3	26.2	30.6	33.2	34.5
U01-390224	45.5	56.8	38.4	35.7	26.3	37.1	42.7	43.1
U01-390701	46.0	54.3	41.1	36.0	32.8	36.7	52.0	42.6
C.V. (%)		7.8	6.3	8.1	15.1	8.7	9.8	11.9
L.S.D. (5%)		7.5	5.3	5.8	9.3	5.2	8.9	11.0
Row Sp. (In.)		27	27	24	26	15	10	10
Rows/Plot		4	4	4	4	6	4	4
Reps		2	2	2	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST I, 2003

YIELD (bu/a)

Strain	Beemer NE	Cotesfield NE	Ridgetown Ont	Talbotville Ont	St. Bruno Montarville Que.	Brookings SD	Watertown* SD
Parker (I)	41.9	69.2	49.6	47.9	37.2	38.6	22.2
IA2050 (L) (BSR)	46.2	70.9	48.2	47.9	39.5	38.0	28.6
Lambert (0)	31.2	56.4	51.3	43.9	32.0	33.4	18.8
A02-136021	46.4	88.2	55.4	48.4	34.9	41.5	20.1
A02-136027	46.0	78.8	56.3	50.0	34.6	46.6	15.6
A02-136028	46.8	73.4	50.7	48.2	36.6	47.9	19.3
A02-136030	51.0	77.2	52.3	45.8	36.1	46.3	17.7
A02-136031	45.9	74.6	58.4	46.4	41.0	42.2	22.5
A02-136032	48.0	80.5	58.2	51.4	40.4	43.6	20.9
A02-136053	44.6	72.2	53.3	44.4	32.6	33.9	26.6
A02-137022	40.6	69.6	49.6	43.1	25.1	22.2	17.4
A02-138008	47.2	67.1	55.7	46.0	32.3	34.0	16.2
A02-138012	42.7	67.6	52.4	42.0	34.5	30.8	16.4
A02-138032	46.6	77.5	53.0	43.6	32.1	35.4	15.7
A02-138036	41.5	65.8	53.2	46.2	28.9	36.7	20.6
A02-138037	44.2	70.6	56.9	51.7	33.0	42.8	22.8
A02-138043	40.2	67.4	53.7	44.6	34.3	35.6	18.2
A02-237052	43.6	80.8	56.6	48.7	35.3	43.0	22.4
M97-129094	38.6	62.7	47.7	48.0	37.4	36.5	13.2
M97-130015	44.3	73.7	54.1	44.9	39.3	47.2	23.0
M97-132053	40.7	75.0	55.6	50.5	30.9	35.2	22.8
M97-132073	40.8	75.0	52.1	50.2	32.1	39.8	18.7
M97-252005	43.8	73.8	55.7	45.2	37.8	40.9	16.2
M98-519-5-5	43.0	67.4	52.2	45.3	27.4	41.3	16.0
MTC97CROSS-2013	41.3	72.3	56.0	49.3	37.2	35.2	23.4
ORC 0204	39.6	67.8	49.4	40.6	36.1	34.7	14.6
ORC 0207	37.8	62.0	45.0	29.2	33.2	36.6	14.8
ORC 0215	44.0	63.9	59.5	42.1	37.3	37.7	23.7
U01-290117	41.9	57.7	46.9	46.6	34.6	39.1	20.7
U01-290172	43.2	71.9	48.0	44.2	29.7	32.5	22.6
U01-390075	44.4	72.6	44.4	38.8	30.1	35.8	18.4
U01-390224	52.3	81.3	56.7	49.9	32.6	39.2	23.8
U01-390701	48.3	79.2	52.7	48.8	28.9	45.1	19.8
C.V. (%)	7.7	6.3	6.6	7.4	10.0	12.4	21.2
L.S.D. (5%)	6.8	9.6	4.7	5.6	8.5	9.7	8.4
Row Sp. (In.)	30	30	17	14	7	30	30
Rows/Plot	4	4	5	4	5	4	4
Reps	2	2	3	3	2	2	2

PRELIMINARY TEST I, 2003

YIELD RANK

Strain	Yield Rank	Ames IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Lamberton MN	Waseca MN
Parker (I)	12	4	4	19	18	8	14	5
IA2050 (L) (BSR)	17	25	21	4	25	30	11	10
Lambert (0)	26	12	17	28	25	7	13	7
A02-136021	3	10	5	6	7	16	12	6
A02-136027	2	2	3	5	6	20	1	3
A02-136028	5	11	1	2	4	13	5	18
A02-136030	4	12	8	1	9	4	9	12
A02-136031	7	19	10	8	14	21	7	1
A02-136032	1	7	13	3	13	3	7	2
A02-136053	20	8	30	12	2	27	31	27
A02-137022	32	32	31	22	33	28	27	32
A02-138008	24	26	20	9	29	24	30	26
A02-138012	29	30	22	17	30	33	19	30
A02-138032	19	17	28	26	16	31	4	22
A02-138036	26	15	26	31	18	26	29	23
A02-138037	13	5	19	29	8	17	18	15
A02-138043	25	26	22	15	24	23	20	28
A02-237052	5	16	2	7	21	19	5	4
M97-129094	23	23	13	27	28	6	26	11
M97-130015	11	18	6	21	10	5	22	19
M97-132053	15	14	7	19	20	12	10	8
M97-132073	18	22	11	17	27	22	16	25
M97-252005	14	9	9	23	12	15	28	9
M98-519-5-5	21	20	18	25	32	10	21	12
MTC97CROSS-2013	16	20	15	24	15	9	17	14
ORC 0204	22	24	27	30	3	2	24	17
ORC 0207	33	33	33	33	11	25	33	24
ORC 0215	9	6	12	9	1	1	3	16
U01-290117	30	29	25	32	30	18	25	33
U01-290172	28	31	32	12	17	32	15	29
U01-390075	31	28	22	9	23	29	32	31
U01-390224	10	1	29	16	21	11	23	20
U01-390701	8	3	16	14	5	14	2	21

PRELIMINARY TEST I, 2003

YIELD RANK

Strain	Beemer NE	Cotesfield NE	Ridgetown Ont	Talbotville Ont	St. Bruno Montarville Que.	Brookings SD	Watertown SD
Parker (I)	23	22	25	13	8	16	12
IA2050 (L) (BSR)	9	19	28	13	3	17	1
Lambert (0)	33	33	23	26	26	30	19
A02-136021	8	1	12	10	14	10	16
A02-136027	10	6	7	5	15	3	30
A02-136028	6	14	24	11	10	1	18
A02-136030	2	8	20	19	12	4	23
A02-136031	11	11	2	16	1	9	10
A02-136032	4	4	3	2	2	6	13
A02-136053	12	17	15	24	21	29	2
A02-137022	28	21	26	28	33	33	24
A02-138008	5	27	10	18	23	28	26
A02-138012	21	24	19	30	17	32	25
A02-138032	7	7	17	27	24	24	29
A02-138036	24	28	16	17	30	19	15
A02-138037	15	20	4	1	20	8	7
A02-138043	29	25	14	23	18	23	22
A02-237052	18	3	6	9	13	7	11
M97-129094	31	30	30	12	6	21	33
M97-130015	14	13	13	22	4	2	6
M97-132053	27	10	11	3	27	26	7
M97-132073	26	9	22	4	25	13	20
M97-252005	17	12	9	21	5	12	26
M98-519-5-5	20	25	21	20	32	11	28
MTC97CROSS-2013	25	16	8	7	9	25	5
ORC 0204	30	23	27	31	11	27	32
ORC 0207	32	31	32	33	19	20	31
ORC 0215	16	29	1	29	7	18	4
U01-290117	22	32	31	15	16	15	14
U01-290172	19	18	29	25	29	31	9
U01-390075	13	15	33	32	28	22	21
U01-390224	1	2	5	6	22	14	3
U01-390701	3	5	18	8	31	5	17

PRELIMINARY TEST I, 2003

MATURITY (date)

Strain	Mean 14 Tests	Ames IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Lamberton MN	Waseca MN
Parker (I)	9/12	9/5	9/16	9/2	9/12	9/13	9/22	9/17
IA2050 (L) (BSR)	4.0	3	-1	7	1	2	3	3
Lambert (0)	-4.8	-8	-11	-7	-6	-3	-5	-4
A02-136021	3.2	3	-1	6	3	6	1	1
A02-136027	4.5	5	0	8	5	6	2	1
A02-136028	2.0	4	-2	3	4	2	2	-1
A02-136030	1.8	3	-3	2	0	2	0	0
A02-136031	3.7	4	0	6	3	4	1	4
A02-136032	4.3	4	0	7	4	7	2	3
A02-136053	4.1	5	0	7	5	5	4	3
A02-137022	7.2	2	3	9	7	8	8	7
A02-138008	4.0	3	-2	7	2	7	7	1
A02-138012	6.2	7	2	8	6	3	7	5
A02-138032	5.8	7	1	7	6	4	6	5
A02-138036	4.9	3	1	7	4	5	4	5
A02-138037	6.3	8	1	7	5	5	6	7
A02-138043	8.5	8	6	12	8	11	8	7
A02-237052	5.4	5	1	7	4	6	4	7
M97-129094	-2.6	-3	-7	-3	-5	-1	-2	-2
M97-130015	0.5	1	-3	-5	2	1	-3	-1
M97-132053	0.6	2	-1	-1	-2	0	2	-1
M97-132073	0.4	4	-3	0	-1	1	-2	-1
M97-252005	2.0	5	-3	1	2	1	4	0
M98-519-5-5	1.9	2	-1	1	1	3	3	4
MTC97CROSS-2013	-1.1	-2	-6	-1	-2	1	1	0
ORC 0204	7.6	7	4	9	5	9	7	7
ORC 0207	8.5	11	2	10	6	10	11	9
ORC 0215	7.9	11	1	10	5	8	9	9
U01-290117	10.4	9	5	12	9	12	9	12
U01-290172	9.8	9	6	10	9	13	9	9
U01-390075	9.6	10	4	12	7	14	8	7
U01-390224	8.2	9	6	9	4	10	8	5
U01-390701	7.7	10	3	10	6	8	8	7
Date Planted	5/23	5/18	5/21	5/24	5/23	5/22	5/16	5/27
Days to Mature	113	110	118	101	112	114	129	113

PRELIMINARY TEST I, 2003

MATURITY (date)

Strain	Beemer NE	Cotesfield NE	Ridgetown Ont	Talbotville Ont	St. Bruno Montarville Que.	Brookings SD	Watertown SD
Parker (I)	9/10	9/11	9/9	9/13	9/24	9/15	9/12
IA2050 (L) (BSR)	4	7	4	3	12	1	7
Lambert (0)	-10	-3	-3	-2	-1	-3	-2
A02-136021	1	2	5	1	7	2	8
A02-136027	3	4	5	4	8	5	7
A02-136028	0	3	2	3	4	2	3
A02-136030	0	6	3	3	4	1	5
A02-136031	-1	5	5	5	7	4	5
A02-136032	2	6	6	4	8	6	2
A02-136053	2	7	5	4	6	4	1
A02-137022	5	9	6	4	16	7	10
A02-138008	2	5	5	6	5	3	7
A02-138012	3	9	5	4	14	8	6
A02-138032	5	11	5	7	7	6	6
A02-138036	4	6	4	6	10	4	6
A02-138037	4	8	4	5	14	5	9
A02-138043	6	8	7	12	10	7	9
A02-237052	4	5	7	6	7	5	8
M97-129094	-8	-4	-2	-2	-1	-2	6
M97-130015	2	6	1	0	2	1	4
M97-132053	-1	2	0	-0	3	4	1
M97-132073	-1	1	0	-0	4	3	1
M97-252005	1	5	3	0	2	3	5
M98-519-5-5	1	1	2	-1	4	4	3
MTC97CROSS-2013	-3	-2	2	-3	2	-3	1
ORC 0204	8	10	8	9	14	5	5
ORC 0207	7	11	7	8	14	5	9
ORC 0215	3	10	9	7	14	5	10
U01-290117	7	14	11	11	17	8	10
U01-290172	8	14	10	10	13	8	9
U01-390075	5	11	12	12	18	7	8
U01-390224	8	10	10	7	14	6	9
U01-390701	6	11	7	6	12	7	8
Date Planted	5/21	5/29	5/26	5/30	5/31	5/15	5/24
Days to Mature	112	105	106	106	116	123	111

PRELIMINARY TEST I, 2003

LODGING (score)

Strain	Mean 14 Tests	Ames IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Lamberton MN	Waseca MN
Parker (I)	1.7	3.8	2.0	1.5	1.0	1.5	2.5	2.0
IA2050 (L) (BSR)	1.3	2.3	1.3	1.0	1.0	1.0	2.0	2.0
Lambert (0)	1.3	2.0	1.5	1.0	1.0	1.0	2.0	2.0
A02-136021	1.4	2.0	1.5	1.0	1.0	1.0	2.0	2.0
A02-136027	1.3	2.3	1.3	1.0	1.0	1.0	2.0	2.0
A02-136028	1.3	2.0	1.8	1.0	1.0	1.0	2.0	2.0
A02-136030	1.4	2.3	1.3	1.0	1.0	1.0	2.0	2.0
A02-136031	1.4	2.3	1.3	1.0	1.0	1.0	2.0	2.0
A02-136032	1.4	2.3	2.0	1.0	1.0	1.0	2.0	2.0
A02-136053	1.3	2.0	1.5	1.0	1.0	1.0	2.0	2.0
A02-137022	1.6	2.5	2.5	1.0	1.0	1.0	2.5	3.5
A02-138008	1.3	2.3	1.5	1.0	1.0	1.0	2.0	2.0
A02-138012	1.3	2.0	1.5	1.0	1.0	1.0	2.0	2.0
A02-138032	1.4	2.3	1.8	1.0	1.0	1.0	2.0	2.0
A02-138036	1.3	2.5	1.5	1.0	1.0	1.0	2.0	2.0
A02-138037	1.4	2.5	1.5	1.0	1.0	1.0	2.0	2.0
A02-138043	1.4	2.5	1.8	1.0	1.0	1.0	2.0	2.0
A02-237052	1.4	2.0	1.5	1.0	1.0	1.0	2.0	2.0
M97-129094	1.7	3.3	2.3	1.3	1.3	1.0	3.0	2.0
M97-130015	1.4	2.5	1.8	1.0	1.0	1.0	2.0	2.0
M97-132053	1.4	2.3	1.8	1.3	1.0	1.0	2.0	2.0
M97-132073	1.4	3.0	1.5	1.0	1.0	1.0	2.5	2.0
M97-252005	1.3	2.3	1.5	1.0	1.0	1.0	2.0	2.0
M98-519-5-5	1.7	3.5	2.0	2.0	1.0	1.0	2.0	3.0
MTC97CROSS-2013	1.4	2.5	1.8	1.0	1.0	1.0	2.0	2.0
ORC 0204	1.3	2.0	1.0	1.0	1.0	1.0	2.0	2.0
ORC 0207	1.3	2.0	1.0	1.0	1.0	1.0	2.0	2.0
ORC 0215	1.4	2.0	1.8	1.0	1.0	1.0	2.0	2.0
U01-290117	1.9	2.5	2.0	1.0	1.0	1.0	2.5	3.5
U01-290172	1.5	2.3	1.8	1.0	1.0	1.0	2.5	2.0
U01-390075	1.9	2.8	2.0	1.0	1.0	1.0	3.0	3.5
U01-390224	1.2	2.0	1.0	1.0	1.0	1.0	2.0	2.0
U01-390701	1.4	2.0	1.8	1.0	1.0	1.0	2.5	2.0

PRELIMINARY TEST I, 2003

LODGING (score)

Strain	Beemer NE	Cotesfield NE	Ridgetown Ont	Talbotville Ont	St. Bruno Montarville Que.	Brookings SD	Watertown SD
Parker (I)	1.0	1.5	2.3	2.3	1.0	1.0	1.0
IA2050 (L) (BSR)	1.0	1.0	1.3	1.1	1.0	1.0	1.0
Lambert (0)	1.0	1.0	1.3	1.0	1.0	1.0	1.0
A02-136021	1.0	1.5	2.0	1.0	1.0	1.0	1.0
A02-136027	1.0	2.0	1.0	0.9	1.0	1.0	1.0
A02-136028	1.0	2.0	1.0	1.0	1.0	1.0	1.0
A02-136030	1.0	2.0	1.7	1.0	1.0	1.0	1.0
A02-136031	1.0	2.0	2.0	1.0	1.0	1.0	1.0
A02-136032	1.0	2.0	1.3	1.0	1.0	1.0	1.0
A02-136053	1.0	1.5	1.0	1.0	1.0	1.0	1.0
A02-137022	1.0	2.0	1.7	0.9	1.0	1.0	1.0
A02-138008	1.0	1.5	1.3	1.0	1.0	1.0	1.0
A02-138012	1.0	1.0	1.0	1.0	1.0	1.0	1.0
A02-138032	1.0	2.0	2.0	1.0	1.0	1.0	1.0
A02-138036	1.0	1.0	1.3	1.3	1.0	1.0	1.0
A02-138037	1.0	2.0	1.0	1.0	1.0	1.0	1.0
A02-138043	1.0	1.5	1.3	1.0	1.0	1.0	1.0
A02-237052	1.0	2.0	1.7	1.0	1.0	1.0	1.0
M97-129094	1.0	2.0	2.0	1.7	1.0	1.0	1.0
M97-130015	1.0	1.5	1.7	1.2	1.0	1.0	1.0
M97-132053	1.0	2.0	1.3	1.1	1.0	1.0	1.0
M97-132073	1.0	1.0	1.3	0.9	1.0	1.0	1.0
M97-252005	1.0	1.5	1.3	1.0	1.0	1.0	1.0
M98-519-5-5	1.0	2.0	2.0	1.7	1.0	1.0	1.0
MTC97CROSS-2013	1.0	1.5	1.3	1.1	1.0	1.0	1.0
ORC 0204	1.0	1.5	1.0	1.1	1.0	1.0	1.0
ORC 0207	1.0	1.5	1.0	1.1	1.0	1.0	1.0
ORC 0215	1.0	2.0	1.0	1.2	1.0	1.0	1.0
U01-290117	1.0	5.0	3.3	1.4	1.0	1.0	1.0
U01-290172	1.0	3.0	1.3	1.3	1.0	1.0	1.0
U01-390075	1.0	3.0	3.0	1.6	1.0	1.0	1.0
U01-390224	1.0	1.0	1.0	1.2	1.0	1.0	1.0
U01-390701	1.0	2.0	1.0	1.0	1.0	1.0	1.0

PRELIMINARY TEST I, 2003

PLANT HEIGHT (inches)

Strain	Mean 14 Tests	Ames IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Lamberton MN	Waseca MN
Parker (I)	33	38	38	32	27	31	35	37
IA2050 (L) (BSR)	29	32	30	28	25	28	32	36
Lambert (0)	28	30	31	27	24	27	29	34
A02-136021	28	27	30	27	25	29	31	35
A02-136027	29	33	30	27	25	27	32	31
A02-136028	29	28	31	27	27	29	31	31
A02-136030	29	29	31	29	26	28	32	34
A02-136031	29	31	29	28	24	26	32	37
A02-136032	31	35	32	29	27	32	34	36
A02-136053	30	31	31	28	26	29	30	35
A02-137022	29	28	33	28	26	28	30	35
A02-138008	29	29	31	27	25	28	31	34
A02-138012	30	31	33	28	27	29	33	34
A02-138032	31	39	34	29	26	30	37	35
A02-138036	29	30	29	27	24	26	32	33
A02-138037	28	30	29	28	28	26	31	33
A02-138043	29	30	31	28	27	30	30	32
A02-237052	29	28	30	28	27	31	31	37
M97-129094	32	35	38	29	29	30	35	40
M97-130015	29	30	31	27	24	27	33	34
M97-132053	31	32	35	29	27	29	36	38
M97-132073	28	30	32	25	23	24	34	32
M97-252005	30	32	32	27	27	28	33	36
M98-519-5-5	33	33	36	30	30	34	35	41
MTC97CROSS-2013	33	40	38	31	29	33	38	42
ORC 0204	26	20	28	21	24	28	24	30
ORC 0207	25	21	28	21	25	26	24	27
ORC 0215	32	34	36	28	29	32	35	39
U01-290117	28	26	30	23	27	30	28	34
U01-290172	32	32	37	30	29	36	35	36
U01-390075	30	32	31	28	24	31	30	34
U01-390224	29	27	31	27	26	28	29	33
U01-390701	30	33	34	29	27	30	34	32

PRELIMINARY TEST I, 2003

PLANT HEIGHT (inches)

Strain	Beemer NE	Cotesfield NE	Ridgetown Ont	Talbotville Ont	St. Bruno Montarville Que.	Brookings SD	Watertown SD
Parker (I)	34	35	39	32	30	30	28
IA2050 (L) (BSR)	26	28	32	27	24	32	24
Lambert (0)	27	28	32	24	22	27	24
A02-136021	25	32	32	25	23	31	22
A02-136027	27	30	34	28	22	33	23
A02-136028	28	35	32	26	26	27	22
A02-136030	26	32	32	26	28	31	27
A02-136031	27	34	33	26	25	28	24
A02-136032	28	31	34	28	30	30	24
A02-136053	29	37	33	27	27	28	23
A02-137022	25	33	33	26	25	29	24
A02-138008	27	33	34	28	24	30	23
A02-138012	26	38	33	31	28	33	24
A02-138032	32	35	37	28	27	27	22
A02-138036	31	31	36	29	24	31	23
A02-138037	26	36	31	25	21	31	20
A02-138043	27	32	32	27	27	27	24
A02-237052	27	31	33	27	29	29	24
M97-129094	32	33	38	30	30	30	24
M97-130015	26	30	33	26	31	30	20
M97-132053	34	34	33	27	25	32	26
M97-132073	27	34	32	25	24	33	20
M97-252005	30	36	35	26	28	29	27
M98-519-5-5	35	34	36	31	28	31	22
MTC97CROSS-2013	33	34	34	30	28	31	18
ORC 0204	25	27	33	25	26	29	23
ORC 0207	24	25	32	25	22	33	24
ORC 0215	31	38	34	29	30	32	24
U01-290117	27	33	35	28	23	28	22
U01-290172	29	38	36	31	28	34	20
U01-390075	28	41	32	28	24	30	23
U01-390224	27	33	32	27	23	34	24
U01-390701	30	35	35	30	23	26	24

PRELIMINARY TEST I, 2003

SEED SIZE (g/100)

Strain	Mean 12 Tests	Ames IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Lamberton MN	Waseca MN
Parker (I)	15.2	14.5	17.3	13.9	11.7	14.9	15.0	16.9
IA2050 (L) (BSR)	13.9	12.2	13.8	12.5	12.4	11.8	13.8	15.7
Lambert (0)	14.5	14.3	16.8	12.8	11.6	14.7	14.2	16.0
A02-136021	14.5	13.1	15.1	11.9	10.6	23.7	13.4	16.7
A02-136027	13.5	12.6	14.2	11.7	11.2	12.0	13.9	15.0
A02-136028	14.1	13.6	15.0	12.5	11.9	13.3	13.9	15.4
A02-136030	13.0	12.1	13.4	11.9	10.2	12.1	12.8	14.0
A02-136031	13.9	12.7	15.4	12.9	11.6	13.2	13.3	15.7
A02-136032	14.9	14.3	15.8	13.9	12.3	13.8	14.7	15.9
A02-136053	16.5	16.1	17.0	14.8	14.2	14.1	17.3	17.7
A02-137022	21.3	19.8	22.4	19.0	19.2	20.2	22.3	22.2
A02-138008	18.9	16.8	19.7	17.7	14.6	17.2	19.9	20.2
A02-138012	16.2	14.6	16.1	15.2	15.1	13.6	16.0	18.4
A02-138032	16.3	15.6	17.2	14.5	13.7	13.9	17.0	19.4
A02-138036	18.6	17.2	19.7	16.0	15.3	17.6	18.8	20.4
A02-138037	17.7	17.0	18.7	15.0	13.9	17.1	18.8	20.9
A02-138043	18.6	16.5	19.2	16.9	16.3	16.7	18.4	20.2
A02-237052	13.8	13.0	15.8	13.1	11.3	12.5	12.9	16.0
M97-129094	14.8	14.3	16.6	12.8	10.8	15.9	15.2	16.3
M97-130015	14.0	12.3	15.5	13.4	10.7	13.5	13.2	15.3
M97-132053	15.0	14.4	16.9	13.6	11.9	15.8	15.2	16.6
M97-132073	14.1	13.2	15.3	13.6	10.1	14.0	14.5	15.9
M97-252005	13.4	13.0	15.1	12.1	11.4	12.6	12.9	14.8
M98-519-5-5	14.9	13.9	16.2	12.6	10.9	13.5	14.6	17.8
MTC97CROSS-2013	17.2	15.2	17.8	15.7	12.8	16.0	18.3	19.8
ORC 0204	15.3	15.0	16.8	13.1	13.3	15.4	15.6	16.9
ORC 0207	16.8	16.1	17.7	15.4	15.5	16.2	17.7	18.3
ORC 0215	14.1	13.3	14.3	12.9	12.6	13.8	14.9	15.4
U01-290117	15.5	14.2	16.2	13.4	15.4	14.6	15.2	18.6
U01-290172	14.9	13.1	14.3	13.6	14.3	13.7	14.7	15.6
U01-390075	15.6	13.7	15.8	15.1	13.3	14.8	15.0	17.0
U01-390224	16.8	16.1	17.3	16.1	12.4	16.1	16.4	18.2
U01-390701	15.1	14.4	15.4	14.5	12.9	14.2	16.0	16.7

PRELIMINARY TEST I, 2003

SEED SIZE (g/100)

Strain	Beemer NE	Cotesfield NE	Ridgetown Ont	Talbotville Ont	St. Bruno Montarville Que.	Brookings SD	Watertown SD
Parker (I)	16.0			15.8	17.7	14.8	13.9
IA2050 (L) (BSR)	14.3			12.0	16.7	14.9	16.4
Lambert (0)	14.5			15.4	15.9	15.3	13.1
A02-136021	13.2			13.0	15.1	14.6	13.5
A02-136027	13.2			13.0	14.9	13.7	16.4
A02-136028	13.5			13.4	16.2	16.3	14.1
A02-136030	12.9			12.7	15.0	13.8	15.6
A02-136031	13.5			13.6	15.3	15.1	14.5
A02-136032	14.6			14.6	16.0	17.3	15.9
A02-136053	16.1			16.4	18.4	18.9	17.1
A02-137022	21.5			20.8	24.1	19.6	24.1
A02-138008	19.1			19.1	21.0	20.8	20.6
A02-138012	15.4			16.6	18.7	17.4	16.8
A02-138032	16.7			15.8	17.1	17.1	17.3
A02-138036	18.6			19.2	22.1	18.6	20.3
A02-138037	16.8			20.0	20.6	16.7	16.7
A02-138043	18.1			19.4	22.4	19.3	19.3
A02-237052	13.3			13.6	15.3	13.8	15.3
M97-129094	14.7			16.2	17.0	15.9	12.3
M97-130015	16.6			14.2	15.3	14.7	13.0
M97-132053	14.6			15.4	15.8	16.1	13.6
M97-132073	14.3			14.6	15.8	13.8	13.7
M97-252005	14.0			13.3	15.7	13.9	12.0
M98-519-5-5	16.6			14.7	17.5	15.6	14.8
MTC97CROSS-2013	16.9			19.0	19.1	17.7	18.3
ORC 0204	15.1			15.5	18.2	14.8	13.6
ORC 0207	17.0			16.5	18.3	15.6	17.0
ORC 0215	14.3			12.9	15.7	13.8	15.0
U01-290117	14.8			14.6	15.3	15.8	17.6
U01-290172	13.9			14.9	17.0	17.1	17.0
U01-390075	14.6			16.2	17.8	17.3	17.2
U01-390224	17.3			16.9	19.1	18.6	17.2
U01-390701	14.7			16.0	17.1	15.7	14.4

PRELIMINARY TEST I, 2003

SEED QUALITY (score)

Strain	Mean 8 Tests	Ames IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Lamberton MN	Waseca MN
Parker (I)	1.4			1.0	1.0		1.5	1.0
IA2050 (L) (BSR)	1.7			1.0	1.0		1.5	1.5
Lambert (0)	1.4			1.5	1.0		1.5	1.0
A02-136021	1.4			1.0	1.0		1.0	1.0
A02-136027	1.8			1.5	1.0		1.0	1.5
A02-136028	1.8			1.5	1.0		1.5	1.0
A02-136030	1.6			1.0	1.0		1.0	1.5
A02-136031	1.8			1.0	1.0		1.0	1.5
A02-136032	1.7			1.5	1.0		1.5	1.5
A02-136053	1.5			1.0	1.0		1.0	1.5
A02-137022	2.8			3.0	2.5		1.5	2.0
A02-138008	1.6			1.5	1.5		1.5	1.0
A02-138012	2.0			1.5	1.0		1.5	1.5
A02-138032	1.6			1.5	1.0		1.5	1.0
A02-138036	1.9			1.5	1.0		1.0	1.5
A02-138037	1.8			1.5	1.0		1.5	1.5
A02-138043	2.0			1.5	2.0		1.5	2.5
A02-237052	1.7			1.0	1.0		1.0	1.5
M97-129094	1.5			1.5	1.0		1.0	2.0
M97-130015	1.4			1.0	1.0		1.0	1.5
M97-132053	1.6			1.0	1.0		1.0	1.5
M97-132073	1.3			1.0	1.0		1.0	1.0
M97-252005	1.4			1.0	1.0		1.0	1.5
M98-519-5-5	1.8			1.5	1.0		1.5	2.0
MTC97CROSS-2013	1.8			1.0	1.0		1.5	1.5
ORC 0204	1.5			1.0	1.0		1.5	1.0
ORC 0207	1.8			1.5	1.0		2.0	1.5
ORC 0215	1.9			1.0	1.0		1.5	2.0
U01-290117	2.5			1.0	1.0		1.5	3.0
U01-290172	1.9			1.0	1.0		1.5	1.0
U01-390075	2.1			2.0	1.5		1.0	1.5
U01-390224	1.7			1.5	1.0		1.5	1.0
U01-390701	1.6			1.5	1.0		1.0	1.5

PRELIMINARY TEST I, 2003

SEED QUALITY (score)

Strain	Beemer NE	Cotesfield NE	Ridgetown Ont	Talbotville Ont	St. Bruno Montarville Que.	Brookings SD	Watertown SD
Parker (I)				1.5	1.0	3.0	1.0
IA2050 (L) (BSR)				1.5	1.0	3.0	3.0
Lambert (0)				1.5	1.0	2.0	2.0
A02-136021				2.0	1.0	2.0	2.0
A02-136027				2.0	1.0	4.0	2.0
A02-136028				2.0	1.0	4.0	2.0
A02-136030				2.0	1.0	3.0	2.0
A02-136031				2.0	1.0	4.0	3.0
A02-136032				2.0	1.0	3.0	2.0
A02-136053				1.5	1.0	4.0	1.0
A02-137022				2.0	2.0	4.0	5.0
A02-138008				1.5	1.5	3.0	1.0
A02-138012				2.0	1.5	4.0	3.0
A02-138032				1.5	1.0	3.0	2.0
A02-138036				1.5	2.0	3.0	4.0
A02-138037				1.5	1.0	3.0	3.0
A02-138043				1.5	1.0	3.0	3.0
A02-237052				2.0	2.0	3.0	2.0
M97-129094				1.5	1.0	3.0	1.0
M97-130015				1.5	1.0	2.0	2.0
M97-132053				2.0	1.0	3.0	2.0
M97-132073				1.5	1.0	2.0	2.0
M97-252005				2.0	1.0	2.0	2.0
M98-519-5-5				1.5	1.5	2.0	3.0
MTC97CROSS-2013				2.0	1.5	3.0	3.0
ORC 0204				1.5	1.0	3.0	2.0
ORC 0207				2.0	1.5	3.0	2.0
ORC 0215				2.0	2.0	3.0	3.0
U01-290117				3.0	2.5	4.0	4.0
U01-290172				1.5	2.0	4.0	3.0
U01-390075				2.0	1.5	3.0	4.0
U01-390224				1.5	2.0	2.0	3.0
U01-390701				1.0	2.0	3.0	2.0

PRELIMINARY TEST I, 2003

PROTEIN (%)

Strain	Mean 5 Tests	Ames IA	Kanawha IA	Lafayette IN	Lamberton MN	St Bruno Montarville Que.
Parker (I)	41.2	41.4	39.7	42.8	41.8	40.1
IA2050 (L) (BSR)	41.6	43.0	38.7	44.1	41.4	41.0
Lambert (0)	41.0	40.6	38.0	43.2	42.4	40.8
A02-136021	40.5	39.6	38.7	42.4	42.0	39.6
A02-136027	40.7	40.3	39.9	43.6	40.7	39.2
A02-136028	41.0	40.5	39.8	43.8	41.0	40.1
A02-136030	41.3	41.2	40.4	43.7	41.7	39.5
A02-136031	41.1	40.8	39.5	42.5	42.3	40.5
A02-136032	41.2	40.0	40.3	44.2	41.8	39.7
A02-136053	41.9	40.6	40.1	44.5	43.5	41.0
A02-137022	42.9	43.0	41.8	44.8	43.0	41.8
A02-138008	41.7	42.7	39.9	42.5	42.3	41.1
A02-138012	41.7	42.5	40.4	43.1	42.5	40.3
A02-138032	41.6	40.6	39.9	44.6	42.5	40.1
A02-138036	42.2	42.3	40.6	45.2	42.4	40.5
A02-138037	40.3	41.4	38.9	40.9	41.2	39.4
A02-138043	43.0	43.6	41.4	44.8	44.2	41.2
A02-237052	41.2	41.1	40.1	43.8	41.0	39.8
M97-129094	40.0	39.4	39.8	40.3	40.9	39.5
M97-130015	42.2	43.3	40.1	43.4	43.0	41.1
M97-132053	41.4	41.7	38.1	44.6	42.4	40.1
M97-132073	42.1	43.7	39.7	45.0	41.6	40.7
M97-252005	41.6	42.0	40.7	43.4	41.8	40.1
M98-519-5-5	41.9	42.1	40.9	44.4	41.8	40.1
MTC97CROSS-2013	42.2	43.2	39.6	44.1	43.0	41.1
ORC 0204	41.0	40.5	37.9	45.6	42.0	38.9
ORC 0207	41.7	41.0	40.6	44.0	42.3	40.5
ORC 0215	40.0	40.0	38.7	41.9	40.2	39.4
U01-290117	39.7	41.1	38.8	42.0	38.7	37.9
U01-290172	39.8	40.6	40.2	40.9	38.9	38.6
U01-390075	38.8	41.6	37.8	38.7	39.0	37.0
U01-390224	40.1	41.1	39.5	41.6	40.0	38.2
U01-390701	41.2	40.6	40.8	43.8	40.8	39.9

PRELIMINARY TEST I, 2003

OIL (%)

Strain	Mean 5 Tests	Ames IA	Kanawha IA	Lafayette IN	Lamberton MN	St Bruno Montarville Que.
Parker (I)	20.7	20.4	21.4	20.6	20.4	20.7
IA2050 (L) (BSR)	19.7	18.5	21.0	18.6	19.7	20.6
Lambert (0)	21.0	18.8	22.8	20.3	20.6	22.3
A02-136021	19.6	20.0	20.5	18.1	19.1	20.3
A02-136027	19.4	19.7	20.1	18.1	19.2	20.2
A02-136028	19.8	19.6	20.5	18.6	20.2	20.1
A02-136030	19.4	18.7	20.0	18.8	19.4	19.9
A02-136031	19.4	19.7	19.9	18.5	19.3	19.6
A02-136032	19.9	20.5	20.6	19.0	19.1	20.5
A02-136053	19.5	19.1	20.3	18.9	19.4	20.1
A02-137022	18.5	18.9	19.3	18.5	17.3	18.7
A02-138008	19.7	18.8	20.8	19.0	19.4	20.4
A02-138012	19.9	19.7	20.3	19.7	19.3	20.7
A02-138032	19.9	20.4	20.3	19.2	19.2	20.5
A02-138036	19.7	19.7	20.4	19.3	19.5	19.5
A02-138037	20.3	19.8	21.3	19.0	20.5	21.2
A02-138043	19.5	19.4	20.5	19.5	18.5	19.5
A02-237052	19.8	20.4	20.0	19.5	19.3	19.9
M97-129094	20.6	21.1	20.3	20.1	20.1	21.3
M97-130015	20.6	19.6	21.6	20.5	19.9	21.2
M97-132053	21.0	21.1	22.0	19.3	20.5	22.1
M97-132073	21.6	21.2	22.8	20.8	21.5	21.9
M97-252005	20.4	20.2	21.2	19.5	19.7	21.2
M98-519-5-5	20.4	20.2	21.0	19.9	20.4	20.6
MTC97CROSS-2013	19.6	18.8	19.2	19.0	20.0	20.9
ORC 0204	20.7	20.3	20.9	22.5	19.5	20.4
ORC 0207	20.1	19.5	21.1	19.6	19.5	20.7
ORC 0215	20.3	20.4	21.0	20.5	19.6	20.1
U01-290117	20.3	19.3	20.5	20.0	20.3	21.2
U01-290172	19.9	19.8	20.0	19.5	19.5	20.8
U01-390075	20.0	19.8	20.2	20.4	19.4	20.3
U01-390224	20.6	20.3	21.0	19.9	20.4	21.4
U01-390701	20.8	21.0	21.3	20.0	20.7	21.0

Uniform Test II, 2003

Ent.	Strain	Parentage	Previous Testing	Generation Composited	Unique Traits
1	IA2021 (II)	Elgin 87 x Marcus	8	F5	
2.	IA2050 (E) (BSR)	Northrup King S24-92 x A91-501002	2	F5	BSR
3.	IA2052 (L)	Northrup King S24-92 x Parker	4	F5	
4.	A00-711003	A95-485020 x IA2036	1	F5	SCN
5.	A00-711013	AgriPro P1953 x LN94-10470	1	F5	SCN
6.	IA2064				1% linolenic
7.	IA2065				2% linolenic
8.	IA2066				7% saturates
9.	E98076	Dairyland DSR-217 x Northrup King S19-90	2	F7	
10.	E99034	IA2021 x Apollo	1	F6	

UNIFORM TEST II, 2003

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Humboldt IA	Chlorosis Score Wilkin Co. MN	Shattering Score Ashland KS	PR Lafayette Race 4	PR Lafayette Race 7	SDS Pontiac IL DX	SDS Paris IL DX	PS Lafayette a %	P&SB Lafayette n %
IA2021 (II)	WTBIYBlI	4.1	3.3	1.0	R	R	0	1	4	0
IA2050 (E) (BSR)	PTBIYBlI	4.4	3.3	1.0	S	R	3	0	8	0
IA2052 (L)	WGBIYBfI	4.3	2.3	2.0	S	S	2	3	10	0
A00-711003	PGBDYY+LbfI	4.4	3.8	1.0	R	R	10	0	6	0
A00-711013	WGBIYYI	4.1	3.0	1.0	S	R	1	0	4	0
IA2064	PTBIYBlI	3.0	2.2	1.0	R	R	7	2	4	0
IA2065	PTBIYBlI	3.8	3.0	1.0	R	R	1	0	2	0
IA2066	PTBDYBlI	4.3	4.2	1.0	S	S	3	0	2	6
E98076	PTTDYBlI	4.6	3.7	1.0	S	R	1	2	2	0
E99034	PGBSYYI	4.3	3.8	1.0	R	R	7	3	4	0

UNIFORM TEST II, 2003

REGIONAL SUMMARY

Strain	Yield bu/a	Rank No.	Maturity Date	Lodging Score	Plant Height In.	Seed Size g/100	Seed Quality Score	Green Stem Score	Composition Protein %	Composition Oil %
No. of Tests	18	18	17	19	17	18	11	3	5	5
IA2021 (II)	48.1	5	9/17	1.5	29	14.7	2.0	1.3	39.7	20.8
IA2050 (E) (BSR)	43.9	10	-2.5	1.3	29	13.7	1.6	1.3	41.3	19.8
IA2052 (L)	48.3	4	2.1	1.5	34	12.8	1.6	1.0	40.4	20.8
A00-711003	46.0	7	-0.2	1.4	28	13.1	1.7	1.0	41.1	20.1
A00-711013	48.4	3	0.5	1.5	30	12.0	1.6	1.7	39.5	20.4
IA2064	45.6	8	1.7	1.7	33	12.3	1.5	1.7	42.2	21.5
IA2065	50.1	1	2.2	1.5	30	13.3	1.7	2.0	40.2	21.7
IA2066	44.4	9	-2.3	1.3	28	13.9	1.8	1.0	40.9	19.9
E98076	48.5	2	4.0	1.5	33	14.4	2.1	2.0	37.9	20.5
E99034	46.6	6	1.5	1.3	29	15.3	1.8	1.0	39.7	20.9

120.7 Days After Planting

2002-2003 2-YEAR MEAN

Strain	Yield bu/a	Rank No.	Maturity Date	Lodging Score	Plant Height In.	Seed Size g/100	Seed Quality Score	Green Stem Score	Composition Protein %	Composition Oil %
No. of Tests	37	37	36	39	37	37	25	7	10	10
IA2021 (II)	49.1	6	9/14	1.5	28	15.2	2.1	1.6	38.3	21.3
IA2052 (L)	53.4	1	3.1	1.6	35	13.7	1.7	1.7	40.3	20.3
A00-711003	49.7	5	0.4	1.4	28	14.1	2.0	1.5	39.9	20.1
A00-711013	51.8	2	0.6	1.4	30	12.6	1.9	1.8	37.7	20.3
E98076	50.4	3	3.9	1.4	33	14.7	2.1	2.6	37.1	20.3
E99034	50.0	4	2.2	1.3	30	16.1	1.8	1.5	38.2	21.2

119.0 Days After Planting

2001-2003 3-YEAR MEAN

Strain	Yield bu/a	Rank No.	Maturity Date	Lodging Score	Plant Height In.	Seed Size g/100	Seed Quality Score	Green Stem Score	Composition Protein %	Composition Oil %
No. of Tests	55	55	53	57	54	54	36	14	14	14
IA2021 (II)	49.9	3	9/16	1.5	30	15.4	2.0	1.7	37.9	21.8
IA2052 (L)	53.0	1	3.8	1.7	36	13.9	1.8	1.9	40.1	20.5
E98076	51.6	2	3.9	1.4	34	14.8	2.0	2.6	37.1	20.8

120.8 Days After Planting

UNIFORM TEST II, 2003

YIELD (bu/a)

Strain	Mean 18 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Rippey* IA	Dekalb IL
IA2021 (II)	48.1	42.0	19.7	31.9	54.1	37.3	43.8
IA2050 (E) (BSR)	43.9	41.5	13.0	33.1	35.0	35.6	33.7
IA2052 (L)	48.3	30.3	17.7	22.4	53.4	39.5	42.9
A00-711003	46.0	40.5	13.8	37.2	48.3	38.8	40.3
A00-711013	48.4	41.0	13.4	22.6	44.6	36.6	40.8
IA2064	45.6	25.1	17.1	27.1	46.5	40.1	43.1
IA2065	50.1	36.5	20.2	37.6	52.0	39.0	44.9
IA2066	44.4	33.5	11.1	13.2	48.6	35.3	36.7
E98076	48.5	28.8	12.1	25.7	57.0	41.4	44.4
E99034	46.6	45.2	22.6	34.3	47.9	31.5	44.6
C.V. (%)		10.6	22.1	16.4	7.3	18.3	5.1
L.S.D. (5%)		2.1	6.9	9.7	8.1	15.6	3.6
Row Sp. (In.)		7.0	7.0	7.0	27	27	30
Rows/Plot		9	9	9	4	4	4
Reps		3	3	3	2	2	3

*Data not included in mean.

UNIFORM TEST II, 2003

YIELD RANK

Strain	Yield Rank	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Rippey IA	Dekalb IL
IA2021 (II)	5	2	3	5	2	6	4
IA2050 (E) (BSR)	10	3	8	4	10	8	10
IA2052 (L)	4	8	4	9	3	3	6
A00-711003	7	5	6	2	6	5	8
A00-711013	3	4	7	8	9	7	7
IA2064	8	10	5	6	8	2	5
IA2065	1	6	2	1	4	4	1
IA2066	9	7	10	10	5	9	9
E98076	2	9	9	7	1	1	3
E99034	6	1	1	3	7	10	2

*Data not included in mean.

UNIFORM TEST II, 2003

YIELD (bu/a)

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lanawee County MI
IA2021 (II)	38.2	30.7	32.9	44.2	55.6
IA2050 (E) (BSR)	48.3	37.9	28.0	36.5	48.0
IA2052 (L)	48.4	36.1	31.2	41.8	49.4
A00-711003	50.6	35.1	34.8	39.4	50.1
A00-711013	53.3	36.8	32.4	41.7	46.0
IA2064	50.5	36.0	29.8	39.2	41.8
IA2065	45.6	39.3	30.0	46.1	49.0
IA2066	40.1	32.7	27.4	38.3	51.3
E98076	49.4	40.6	35.0	46.7	57.3
E99034	40.8	37.2	28.3	43.4	55.7
C.V. (%)	6.9	6.6	13.9	5.8	5.7
L.S.D. (5%)	5.5	4.1	7.4	4.5	5.3
Row Sp. (In.)	30	24	26	15	15
Rows/Plot	4	4	4	6	6
Reps	3	3	3	2	2

UNIFORM TEST II, 2003

YIELD RANK

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lanawee County MI
IA2021 (II)	10	10	3	3	3
IA2050 (E) (BSR)	6	3	9	10	8
IA2052 (L)	5	6	5	5	6
A00-711003	2	8	2	7	5
A00-711013	1	5	4	6	9
IA2064	3	7	7	8	10
IA2065	7	2	6	2	7
IA2066	9	9	10	9	4
E98076	4	1	1	1	1
E99034	8	4	8	4	2

UNIFORM TEST II, 2003

YIELD (bu/a)

Strain	Lamberton MN	Waseca MN	Portageville* (Loam) MO	Beemer NE	Cotesfield NE	Goehner NE
IA2021 (II)	41.5	48.1	28.5	45.6	74.4	58.8
IA2050 (E) (BSR)	42.5	36.4	44.1	46.3	75.6	63.7
IA2052 (L)	41.9	37.9	38.5	47.2	81.9	71.0
A00-711003	42.0	42.0	33.5	42.1	65.0	62.2
A00-711013	40.3	43.5	36.1	44.7	74.4	68.0
IA2064	34.6	38.2	43.5	47.0	72.9	61.6
IA2065	38.0	42.0	46.3	49.4	78.0	64.7
IA2066	39.5	41.7	31.1	40.6	69.0	55.0
E98076	40.9	47.7	29.0	44.8	66.0	60.2
E99034	40.0	41.1	38.3	42.4	73.6	65.4
C.V. (%)	7.3	9.7	14.4	7.3	5.7	5.0
L.S.D. (5%)	4.9	6.8	7.5	7.4	9.5	7.1
Row Sp. (In.)	10	10	7.5	30	30	30
Rows/Plot	10	10	6	4	4	4
Reps	3	3	3	2	2	2

UNIFORM TEST II, 2003

YIELD RANK

Strain	Lamberton MN	Waseca MN	Portageville* (Loam) MO	Beemer NE	Cotesfield NE	Goehner NE
IA2021 (II)	4	1	10	5	4	9
IA2050 (E) (BSR)	1	10	2	4	3	5
IA2052 (L)	3	9	4	2	1	1
A00-711003	2	5	7	9	10	6
A00-711013	6	3	6	7	5	2
IA2064	10	8	3	3	7	7
IA2065	9	4	1	1	2	4
IA2066	8	6	8	10	8	10
E98076	5	2	9	6	9	8
E99034	7	7	5	8	6	3

UNIFORM TEST II, 2003

YIELD (bu/a)

Strain	Hoytville OH	Wooster OH	Harrow Ont.	Ridgetown Ont.	Beresford SD	Brookings SD
IA2021 (II)	53.6	67.1	47.8	59.7	39.6	30.3
IA2050 (E) (BSR)	24.0	67.6	36.2	52.8	41.9	35.5
IA2052 (L)	34.3	66.3	38.9	59.2	51.3	37.3
A00-711003	41.5	64.5	41.9	58.4	38.3	30.9
A00-711013	46.7	73.2	42.6	57.7	47.7	37.1
IA2064	41.0	70.3	40.2	50.0	46.0	32.7
IA2065	53.5	76.8	47.2	65.1	39.3	41.5
IA2066	41.7	65.2	42.8	55.8	38.0	34.1
E98076	35.2	66.9	45.2	58.6	43.3	33.8
E99034	44.9	66.4	38.2	57.7	39.4	31.3
C.V. (%)	11.6	6.4	8.9	8.4	13.7	12.4
L.S.D. (5%)	8.9	6.2	6.0	6.4	9.6	7.0
Row Sp. (In.)	7.5	7.5	18	17	30	30
Rows/Plot	8	8	5	5	4	4
Reps	3	3	3	3	3	3

UNIFORM TEST II, 2003

YIELD RANK

Strain	Hoytville OH	Wooster OH	Harrow Ont.	Ridgetown Ont.	Beresford SD	Brookings SD
IA2021 (II)	1	5	1	2	6	10
IA2050 (E) (BSR)	10	4	10	9	5	4
IA2052 (L)	9	8	8	3	1	2
A00-711003	6	10	6	5	9	9
A00-711013	3	2	5	6	2	3
IA2064	7	3	7	10	3	7
IA2065	2	1	2	1	8	1
IA2066	5	9	4	8	10	5
E98076	8	6	3	4	4	6
E99034	4	7	9	7	7	8

UNIFORM TEST II, 2003

MATURITY (date)

Strain	Mean 17 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Rippey IA	Dekalb IL
IA2021 (II)	9/17	8/14	7/22	8/1	9/11	9/17	9/19
IA2050 (E) (BSR)	-2.5	-3	0	-2	-6	-3	-3
IA2052 (L)	2.1	-1	0	-3	4	5	1
A00-711003	-0.2	-3	0	0	-3	-1	-2
A00-711013	0.5	-3	0	-3	-1	2	1
IA2064	1.7	1	0	-1	4	3	0
IA2065	2.2	3	0	0	1	5	0
IA2066	-2.3	-3	0	-10	-2	-3	-6
E98076	4.0	-1	0	-3	4	6	4
E99034	1.5	0	11	1	-2	5	-1
Date Planted	5/19	4/21	4/15	4/15	5/18	5/27	5/22
Days to Mature	121	115	98	108	116	113	120

*Data not included in mean.

UNIFORM TEST II, 2003

LODGING (score)

Strain	Mean 19 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Rippey IA	Dekalb IL
IA2021 (II)	1.5	1.0	1.0	1.0	2.3	2.0	1.0
IA2050 (E) (BSR)	1.3	1.0	1.0	1.0	1.8	1.5	1.0
IA2052 (L)	1.5	1.0	1.0	1.0	2.8	2.3	1.5
A00-711003	1.4	1.0	1.0	1.0	1.8	2.0	1.0
A00-711013	1.5	1.0	1.0	1.0	2.5	1.8	1.0
IA2064	1.7	1.0	1.0	1.0	2.8	2.3	1.2
IA2065	1.5	1.0	1.0	1.0	2.5	1.8	1.0
IA2066	1.3	1.0	1.0	1.0	1.8	1.3	1.0
E98076	1.5	1.0	1.0	1.0	3.0	1.5	1.2
E99034	1.3	1.0	1.0	1.0	1.8	1.5	1.0

*Data not included in mean.

UNIFORM TEST II, 2003

MATURITY (date)

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lanawee County MI
IA2021 (II)	9/3	9/10	9/19	9/19	9/20
IA2050 (E) (BSR)	-1	-2	-3	-1	-4
IA2052 (L)	4	2	-1	4	0
A00-711003	2	-1	-2	4	0
A00-711013	1	-1	-1	2	2
IA2064	4	2	-2	1	2
IA2065	2	3	0	7	1
IA2066	0	-3	-3	1	-2
E98076	4	3	0	8	5
E99034	-1	1	-1	6	3
Date Planted	4/30	5/24	5/23	5/22	5/19
Days to Mature	126	109	119	120	124

UNIFORM TEST II, 2003

LODGING (score)

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lanawee County MI
IA2021 (II)	1.0	1.0	1.0	1.0	3.0
IA2050 (E) (BSR)	1.0	1.0	1.0	1.0	3.0
IA2052 (L)	1.0	1.0	1.0	1.0	3.0
A00-711003	1.0	1.0	1.0	1.0	3.0
A00-711013	1.0	1.0	1.0	1.0	3.0
IA2064	1.0	1.5	1.0	1.0	3.0
IA2065	1.0	1.0	1.0	1.0	3.0
IA2066	1.0	1.0	1.0	1.0	2.5
E98076	1.0	1.0	1.0	1.0	2.5
E99034	1.0	1.0	1.0	1.0	2.0

UNIFORM TEST II, 2003

MATURITY (date)

Strain	Lamberton MN	Waseca MN	Portageville* (Loam) MO	Beemer NE	Cotesfield NE	Goehner NE
IA2021 (II)	9/23	9/20			9/20	9/12
IA2050 (E) (BSR)	0	-2			-3	1
IA2052 (L)	3	4			4	3
A00-711003	0	1			0	0
A00-711013	1	3			0	-2
IA2064	2	1			3	4
IA2065	2	2			2	2
IA2066	-4	-1			-3	-1
E98076	8	5			3	3
E99034	1	3			5	4
Date Planted	5/16	5/27	4/28	5/21	5/29	5/24
Days to Mature	130	116			114	111

UNIFORM TEST II, 2003

LODGING (score)

Strain	Lamberton MN	Waseca MN	Portageville* (Loam) MO	Beemer NE	Cotesfield NE	Goehner NE
IA2021 (II)	2.0	2.0	1.0	1.0	2.0	1.0
IA2050 (E) (BSR)	2.0	2.0	1.0	1.0	1.5	1.0
IA2052 (L)	2.0	2.0	1.0	1.0	2.0	1.5
A00-711003	2.0	2.0	1.0	1.0	1.0	1.0
A00-711013	2.0	2.0	1.0	1.0	2.0	1.0
IA2064	2.7	2.0	1.0	1.0	2.0	2.0
IA2065	2.0	2.0	1.5	1.0	1.5	1.0
IA2066	2.0	2.0	1.0	1.0	1.0	1.0
E98076	2.0	2.0	1.0	1.0	2.0	1.5
E99034	2.0	2.0	1.0	1.0	2.0	1.0

UNIFORM TEST II, 2003

MATURITY (date)

Strain	Hoytville OH	Wooster OH	Harrow Ont.	Ridgetown Ont.	Beresford SD	Brookings SD
IA2021 (II)	9/14	9/12	10/1	9/23	9/20	
IA2050 (E) (BSR)	1	0	-5	-6	-5	
IA2052 (L)	2	2	-1	2	-1	
A00-711003	1	2	-2	-2	0	
A00-711013	2	5	-2	-2	-1	
IA2064	1	4	-1	1	1	
IA2065	2	5	-0	2	2	
IA2066	0	-2	-2	-4	-5	
E98076	3	4	1	6	2	
E99034	3	1	-1	-2	2	
Date Planted	4/30	5/1	5/27	6/7	5/18	5/15
Days to Mature	137	134	127	108	125	

UNIFORM TEST II, 2003

LODGING (score)

Strain	Hoytville OH	Wooster OH	Harrow Ont.	Ridgetown Ont.	Beresford SD	Brookings SD
IA2021 (II)	1.3	1.3	1.3	1.3	2.0	1.0
IA2050 (E) (BSR)	1.0	1.3	1.0	1.0	1.0	1.0
IA2052 (L)	1.0	1.3	1.0	1.0	2.0	1.0
A00-711003	1.0	1.4	1.0	1.0	2.0	1.0
A00-711013	1.0	1.4	1.0	1.0	2.0	1.0
IA2064	1.0	1.3	1.0	1.0	3.0	1.0
IA2065	1.0	1.3	1.0	1.0	3.0	1.0
IA2066	1.0	1.3	1.0	1.0	2.0	1.0
E98076	1.0	1.3	1.0	1.0	2.0	1.0
E99034	1.0	1.3	1.0	1.0	2.0	1.0

UNIFORM TEST II, 2003

PLANT HEIGHT (inches)

Strain	Mean 17 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Rippey IA	Dekalb IL
IA2021 (II)	29	17	14	14	32	29	28
IA2050 (E) (BSR)	29	19	13	15	32	30	26
IA2052 (L)	34	18	14	11	39	39	35
A00-711003	28	18	13	14	31	29	26
A00-711013	30	17	12	13	32	30	28
IA2064	33	16	16	14	37	34	31
IA2065	30	14	15	12	36	29	29
IA2066	28	16	11	10	30	28	25
E98076	33	18	11	12	42	36	30
E99034	29	18	14	13	32	30	27

*Data not included in mean.

UNIFORM TEST II, 2003

SEED SIZE (g/100)

Strain	Mean 18 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Rippey IA	Dekalb IL
IA2021 (II)	14.7				14.0	13.0	14.3
IA2050 (E) (BSR)	13.7				11.7	12.5	12.4
IA2052 (L)	12.8				12.1	11.7	12.2
A00-711003	13.1				12.6	11.7	12.3
A00-711013	12.0				10.5	10.2	12.1
IA2064	12.3				11.7	11.5	12.4
IA2065	13.3				11.8	11.5	13.1
IA2066	13.9				14.0	13.4	13.1
E98076	14.4				14.7	13.2	13.7
E99034	15.3				14.4	13.4	15.5

*Data not included in mean.

UNIFORM TEST II, 2003

PLANT HEIGHT (inches)

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lanawee County MI
IA2021 (II)	25	25	24	27	34
IA2050 (E) (BSR)	27	27	24	27	35
IA2052 (L)	30	32	26	35	37
A00-711003	27	26	25	24	34
A00-711013	28	27	26	26	35
IA2064	31	30	28	29	39
IA2065	26	27	26	29	34
IA2066	25	24	24	26	34
E98076	30	30	28	31	41
E99034	27	28	25	28	36

UNIFORM TEST II, 2003

SEED SIZE (g/100)

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lanawee County MI
IA2021 (II)	14.5	13.0	12.8	17.1	17.1
IA2050 (E) (BSR)	15.6	13.0	10.7	14.0	14.0
IA2052 (L)	13.6	11.9	11.0	12.4	12.4
A00-711003	15.1	12.7	11.0	13.6	13.6
A00-711013	13.0	11.0	10.9	13.2	13.2
IA2064	12.4	10.8	9.4	13.2	13.2
IA2065	14.1	11.8	10.6	14.0	14.0
IA2066	13.9	12.8	11.2	14.8	14.8
E98076	15.8	13.9	11.9	15.7	15.7
E99034	14.9	14.3	14.0	17.7	17.7

UNIFORM TEST II, 2003

PLANT HEIGHT (inches)

Strain	Lamberton MN	Waseca MN	Portageville* (Loam) MO	Beemer NE	Cotesfield NE	Goehner NE
IA2021 (II)	33	25	24			28
IA2050 (E) (BSR)	33	25	22			28
IA2052 (L)	36	33	18			35
A00-711003	31	25	19			30
A00-711013	34	28	23			29
IA2064	35	29	23			29
IA2065	32	28	25			27
IA2066	32	25	17			28
E98076	37	31	20			31
E99034	33	27	18			31

UNIFORM TEST II, 2003

SEED SIZE (g/100)

Strain	Lamberton MN	Waseca MN	Portageville* (Loam) MO	Beemer NE	Cotesfield NE	Goehner NE
IA2021 (II)	12.4	15.8	13.8	13.9	17.7	16.9
IA2050 (E) (BSR)	13.9	14.8	14.9	14.2	17.2	16.9
IA2052 (L)	12.5	13.3	13.9	13.7	16.2	15.8
A00-711003	12.7	13.3	12.8	13.3	16.3	15.9
A00-711013	10.6	12.7	11.0	12.2	14.5	13.3
IA2064	11.2	12.9	11.3	12.6	15.4	13.8
IA2065	11.9	14.2	13.9	13.9	16.8	16.1
IA2066	13.2	15.2	12.8	14.7	15.7	15.7
E98076	14.2	15.0	13.4	13.2	15.2	15.4
E99034	14.1	15.5	13.9	14.0	18.9	17.4

UNIFORM TEST II, 2003

PLANT HEIGHT (inches)

Strain	Hoytville OH	Wooster OH	Harrow Ont.	Ridgetown Ont.	Beresford SD	Brookings SD
IA2021 (II)	29	28	31	32	29	28
IA2050 (E) (BSR)	22	28	27	31	35	31
IA2052 (L)	25	34	33	41	38	34
A00-711003	24	26	27	32	29	27
A00-711013	25	30	29	34	34	29
IA2064	29	31	32	36	38	35
IA2065	29	28	28	33	32	30
IA2066	25	25	26	30	31	31
E98076	23	29	32	38	46	33
E99034	28	26	28	33	32	28

UNIFORM TEST II, 2003

SEED SIZE (g/100)

Strain	Hoytville OH	Wooster OH	Harrow Ont.	Ridgetown Ont.	Beresford SD	Brookings SD
IA2021 (II)	13.0	15.5	16.4		12.2	14.2
IA2050 (E) (BSR)	12.2	14.1	12.9		12.2	13.9
IA2052 (L)	12.2	12.3	12.2		12.0	12.8
A00-711003	11.8	13.0	12.9		11.6	12.7
A00-711013	11.0	13.1	12.6		10.8	10.8
IA2064	11.6	13.5	12.4		10.6	12.4
IA2065	12.4	14.4	14.2		11.1	13.4
IA2066	13.2	14.6	14.7		11.7	13.8
E98076	13.6	15.2	15.4		12.3	14.6
E99034	13.9	15.5	15.6		13.1	15.4

UNIFORM TEST II, 2003

SEED QUALITY (score)

Strain	Mean 11 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Ames IA	Rippey IA	Dekalb IL
IA2021 (II)	2.0			3.0			2.0
IA2050 (E) (BSR)	1.6			3.7			2.0
IA2052 (L)	1.6			2.3			2.0
A00-711003	1.7			3.0			2.0
A00-711013	1.6			3.3			2.0
IA2064	1.5			3.0			1.5
IA2065	1.7			2.3			1.5
IA2066	1.8			1.7			2.0
E98076	2.1			3.3			2.0
E99034	1.8			2.5			2.0

*Data not included in mean.

UNIFORM TEST II, 2003

SEED QUALITY (score)

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lanawee County MI
IA2021 (II)	2.5	2.5	2.5		
IA2050 (E) (BSR)	2.0	1.0	1.0		
IA2052 (L)	1.5	1.0	1.0		
A00-711003	2.0	1.0	1.5		
A00-711013	2.0	1.0	1.0		
IA2064	1.5	1.0	1.0		
IA2065	2.0	1.0	1.0		
IA2066	2.0	1.5	1.0		
E98076	2.0	2.0	1.5		
E99034	2.0	1.5	1.0		

UNIFORM TEST II, 2003

SEED QUALITY (score)

Strain	Lamberton MN	Waseca MN	Portageville* (Loam) MO	Beemer NE	Cotesfield NE	Goehner NE
IA2021 (II)	1.3	2.0	5.0			
IA2050 (E) (BSR)	1.7	1.0	3.0			
IA2052 (L)	1.3	1.5	3.0			
A00-711003	1.7	1.5	3.0			
A00-711013	1.3	1.0	3.0			
IA2064	1.3	1.5	2.0			
IA2065	1.3	1.5	2.0			
IA2066	1.7	1.0	3.0			
E98076	2.0	1.5	3.0			
E99034	1.7	1.5	4.0			

UNIFORM TEST II, 2003

SEED QUALITY (score)

Strain	Hoytville OH	Wooster OH	Harrow Ont.	Ridgetown Ont.	Beresford SD	Brookings SD
IA2021 (II)	1.5	1.4	1.0		2.0	3.0
IA2050 (E) (BSR)	1.9	1.4	1.0		2.0	3.0
IA2052 (L)	1.6	1.4	1.0		2.0	3.0
A00-711003	2.3	1.5	1.3		2.0	2.0
A00-711013	1.6	1.4	1.3		2.0	3.0
IA2064	1.5	1.6	1.0		2.0	3.0
IA2065	1.6	2.0	1.0		3.0	3.0
IA2066	2.4	1.9	1.0		3.0	2.0
E98076	2.7	2.2	1.0		2.0	4.0
E99034	2.6	1.6	1.3		2.0	3.0

UNIFORM TEST II, 2003

GREEN STEM (score)

Strain	Mean 3 Tests	Kesier* irrigated AR	Pinetree* irrigated AR	Rippey IA	Wanatah IN	Harrow OH
IA2021 (II)	1.3	3.0	1.0	2.0	1.0	1.0
IA2050 (E) (BSR)	1.3	1.7	1.0	2.0	1.0	1.0
IA2052 (L)	1.0	1.7	1.0	1.0	1.0	1.0
A00-711003	1.0	1.3	1.0	1.0	1.0	1.0
A00-711013	1.7	2.3	1.0	2.0	2.0	1.0
IA2064	1.7	2.3	1.0	2.0	2.0	1.0
IA2065	2.0	2.0	1.0	4.0	1.0	1.0
IA2066	1.0	1.7	1.0	1.0	1.0	1.0
E98076	2.0	2.0	1.0	4.0	1.0	1.0
E99034	1.0	3.3	1.0	1.0	1.0	1.0

*Data not included in mean.

UNIFORM TEST II, 2003

PROTEIN (%)

Strain	Mean 5 Tests	Ames IA	Urbana IL	Lafayette IN	Lamberton MN	Hoytville OH
IA2021 (II)	39.7	38.1	38.0	41.6	39.9	40.8
IA2050 (E) (BSR)	41.3	44.3	39.9	43.9	40.2	38.2
IA2052 (L)	40.4	40.8	40.8	42.2	41.1	37.4
A00-711003	41.1	41.2	38.5	42.5	41.8	41.6
A00-711013	39.5	42.1	37.5	42.5	41.1	34.3
IA2064	42.2	43.1	41.1	44.1	41.7	41.1
IA2065	40.2	40.0	39.2	41.3	39.5	40.7
IA2066	40.9	41.0	39.0	42.0	41.5	41.2
E98076	37.9	36.6	39.8	39.0	37.4	36.6
E99034	39.7	40.7	38.2	40.5	40.1	38.9

UNIFORM TEST II, 2003

OIL (%)

Strain	Mean 5 Tests	Ames IA	Urbana IL	Lafayette IN	Lamberton MN	Hoytville OH
IA2021 (II)	20.8	21.5	22.1	20.6	20.9	19.0
IA2050 (E) (BSR)	19.8	18.1	21.2	19.0	20.3	20.4
IA2052 (L)	20.8	20.7	21.4	20.4	20.4	21.0
A00-711003	20.1	19.8	21.7	19.7	20.2	19.2
A00-711013	20.4	19.1	21.9	19.5	20.1	21.5
IA2064	21.5	21.2	23.2	21.0	21.4	20.7
IA2065	21.7	21.8	22.7	21.8	21.0	21.2
IA2066	19.9	19.5	21.0	19.8	19.7	19.3
E98076	20.5	21.0	20.8	20.4	19.8	20.5
E99034	20.9	20.3	21.9	20.8	20.7	20.8

Preliminary Test II, 2003

Ent.	Strain	Parentage	Generation Composited	Unique Traits
1	IA2021 (II)	Elgin 87 x Marcus	F5	
2.	IA2050 (E) (BSR)	Northrup King S24-92 x A91-501002	F5	BSR
3.	IA2052 (L)	Northrup King S24-92 x Parker	F5	
4.	A02-236004	IA2061 x Dairyland 97750	F5	
5.	A02-236010	NE1900 x Pioneer XB28V99	F5	
6.	A02-236011	NE1900 x Pioneer XB28V99	F5	
7.	A02-236015	NE1900 x Pioneer XB28V99	F5	
8.	A02-236016	NE1900 x Pioneer XB28V99	F5	
9.	A02-236018	NE1900 x Pioneer XB28V99	F5	
10.	A02-236035	AgriPro Ex 441433 x AgriPro 2329	F5	
11.	A02-236055	NE1900 x Dairyland 94197	F5	
12.	A02-237007	NE1900 x Dairyland 94197	F5	
13.	A02-237015	NE1900 x Pioneer XB28V99	F5	
14.	A02-237018	NE1900 x Pioneer XB28V99	F5	
15.	A02-238008	NE1900 x Pioneer XB28V99	F5	
16.	A02-238026	AgriPro Ex 430124 x A97-874056	F5	
17.	A02-238054	NE1900 x Pioneer XB28V99	F5	
18.	E01059	AP3030 x Northrup King S12-49	F5	
19.	E01060	AP3030 x Northrup King S12-49	F5	
20.	E01121	Northrup King S19-90 x E93147	F5	
21.	E01205	CX252 x MYC B2275	F5	
22.	E01248	ORC9404 x GH X-174	F5	
23.	E01259	A94-674017 x X-201	F5	
24.	E01260	A94-674017 x X-201	F5	
25.	HF01-0545	OXO-9350-13 x U94-3412	F5	
26.	HF01-0821	P 9392 x HF92-080	F5	Fld Resis/Phyto (Tol)
27.	HS0-3274	HS93-4118 x Savoy	F5	Rps1-c & 3a
28.	M97-205082	M91-202001 x M91-151044	F5	
29.	U01-240148	NE3297 x UP1Fe(S1)C6-47	F5	Determinate
30.	U01-240149	NE3297 x UP1Fe(S1)C6-47	F5	Determinate
31.	U01-390560	NE3001 x 1900	F5	Determinate
32.	U01-390598	NE1900 x A97-770031	F5	
33.	U01-390783	NE3001 x Pioneer 93B82	F5	Determinate

PRELIMINARY TEST II, 2003

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Humboldt	Green Stem Score Rippey IA	Green Stem Score Harrow Ont	Shattering Score Ashland KS	PR Lafayette Race 4	PR Lafayette Race 7	PS Lafayette a %	P&SB Lafayette n %
IA2021 (II)	WTBIYBlI	4.1	2.0	1.0	1.0	R	R	4	0.0
IA2050 (E) (BSR)	PTBIYBlI	4.4	2.0	1.0	1.0	S	R	8	0.0
IA2052 (L)	WGBIYBfI	4.3	1.0	1.0	1.0	S	S	10	0.0
A02-236004	WGBDYYI	3.5	2.0	1.0	1.0	S	S	6	2.0
A02-236010	WGBDYYI	3.6	1.0	1.0	1.0	S	S	0	0.0
A02-236011	P+WGBDYYI	3.8	1.0	1.0	2.0	S	S	2	0.0
A02-236015	PGBDYYI	4.0	1.0	1.0	1.0	S	S	4	0.0
A02-236016	WGBDYYI	3.5	1.0	1.0	1.0	S	S	8	0.0
A02-236018	PGBDYYI	3.9	2.0	1.0	1.0	S	S	12	0.0
A02-236035	PGBDYYI	3.0	3.0	1.0	1.0	S	S	14	0.0
A02-236055	WGBDYYI	3.8	1.0	1.0	1.0	S	S	14	0.0
A02-237007	WGBDYYI	4.1	2.0	1.0	2.0	S	H	12	0.0
A02-237015	WGBDYY+BfI	3.8	3.0	1.0	1.0	S	S	10	0.0
A02-237018	PGBDYYI	4.1	2.0	1.0	1.0	S	R*	8	0.0
A02-238008	PLtBDYYI	4.0	2.0	1.0	2.0	S	S	6	0.0
A02-238026	WGTDYYI	3.0	2.0	1.0	1.0	S	S	10	0.0
A02-238054	PGBDYYI	3.3	1.0	1.0	2.0	S	S	0	0.0
E01059	PTTDYBrI	4.0	3.0	1.0	1.0	S	R	16	0.0
E01060	PTBDYBl+BrI	3.6	1.0	1.0	1.0	H	R	0	0.0
E01121	PTBIYBlI	4.5	3.0	1.0	1.0	S	R	4	0.0
E01205	PGTIYLibI	3.5	2.0	1.0	1.0	S	R	2	2.0
E01248	PGBDYLibI	3.8	2.0	1.0	1.0	S	R	16	4.0
E01259	PTBDYBrI	4.8	5.0	1.0	1.0	S	S	34	0.0
E01260	PTBDYBrI	4.8	5.0	1.0	1.0	S	R	12	2.0
HF01-0545	WGTDYBfI	4.0	3.0	1.0	2.0	S	S	0	0.0
HF01-0821	PTTDYBlI	4.0	3.0	1.0	1.0	R	R	4	0.0
HS0-3274	P+WLtBDYBlI	4.4	2.0	1.0	1.0	H	R	0	0.0
M97-205082	P+WSTDYBlI	3.9	2.0	1.0	2.0	S	S	4	0.0
U01-240148	WGTIYBfI	2.9	1.0	1.0	1.0	H	R	0	0.0
U01-240149	PGTDYBfI	3.3	1.0	1.0	1.0	S	S	4	0.0
U01-390560	WGBIYBfI	3.6	1.0	1.0	2.0	S	S	8	0.0
U01-390598	PGBDYYI	2.5	1.0	1.0	2.0	S	R	22	0.0
U01-390783	P+WTBDYBlI	3.1	2.0	1.0	1.0	S	R	4	0.0

* = entry being retested.

PRELIMINARY TEST II, 2003

REGIONAL SUMMARY

No. of Tests Strain	Yield 12 bu/a	Rank 12 No.	Maturity 12 Date	Lodging 13 Score	Plant Height 11 In.	Seed Size 13 g/100	Seed Quality 7 Score	Green Stem 4 Score	Composition Protein 5 %	Oil 5 %
IA2021 (II)	45.1	18	9/16	1.4	27	14.4	1.9	1.3	38.6	21.5
IA2050 (E) (BSR)	42.5	25	-2.3	1.3	28	13.6	1.8	1.3	42.1	19.3
IA2052 (L)	47.3	4	2.4	1.5	34	12.8	1.4	1.0	40.8	20.7
A02-236004	42.6	24	2.3	1.5	31	15.6	1.8	1.5	41.1	20.8
A02-236010	46.2	11	1.9	1.5	31	12.5	1.7	1.0	40.8	18.9
A02-236011	46.5	9	0.6	1.5	31	13.3	1.7	1.0	41.8	19.2
A02-236015	47.4	3	0.8	1.5	30	13.5	1.8	1.0	41.4	19.8
A02-236016	46.0	12	0.2	1.3	30	12.7	1.8	1.0	41.6	18.7
A02-236018	46.5	9	2.8	1.5	31	13.2	1.5	1.3	40.6	19.9
A02-236035	45.2	17	1.7	1.4	25	14.8	1.7	1.8	41.0	20.5
A02-236055	44.8	19	1.1	1.4	27	13.1	1.5	1.0	39.9	20.9
A02-237007	43.8	22	2.5	1.4	30	11.9	1.7	1.3	39.9	20.3
A02-237015	46.7	8	2.3	1.5	31	13.6	1.6	1.8	41.2	19.7
A02-237018	46.8	6	3.0	1.4	32	13.5	1.8	1.3	41.5	19.7
A02-238008	46.8	6	0.3	1.4	32	12.7	1.7	1.3	40.4	19.9
A02-238026	44.2	21	3.5	1.5	28	17.1	2.2	1.3	43.8	19.1
A02-238054	44.7	20	-0.4	1.3	29	13.2	1.5	1.0	42.3	18.9
E01059	45.5	15	-0.0	1.5	31	14.1	1.7	1.5	39.6	20.1
E01060	41.0	30	0.5	1.4	30	12.2	1.7	1.0	40.0	19.8
E01121	42.0	28	0.2	1.3	27	15.6	1.8	1.8	39.1	20.8
E01205	48.4	2	1.0	1.4	29	13.4	1.8	1.3	39.9	20.9
E01248	40.1	32	-0.6	1.3	29	17.0	1.7	1.3	38.8	20.7
E01259	45.3	16	3.5	1.4	32	16.1	2.0	2.3	39.4	21.0
E01260	47.3	4	2.6	1.5	31	16.5	1.8	2.3	40.0	20.8
HF01-0545	41.3	29	8.1	2.2	36	13.9	1.7	1.8	40.2	19.8
HF01-0821	40.6	31	5.3	1.3	32	13.1	1.6	1.5	41.9	20.1
HS0-3274	42.5	25	4.0	1.4	30	13.7	1.9	1.3	40.7	19.5
M97-205082	37.9	33	4.4	1.4	29	13.1	1.8	1.3	43.1	19.8
U01-240148	42.1	27	6.4	2.1	31	14.1	1.7	1.0	39.7	20.0
U01-240149	43.1	23	4.2	2.1	29	13.6	1.8	1.0	41.8	19.6
U01-390560	46.0	12	1.9	1.7	30	15.4	1.3	1.0	40.7	20.7
U01-390598	45.6	14	5.3	1.7	31	13.0	1.8	1.0	41.4	20.1
U01-390783	52.0	1	5.8	1.5	28	15.2	1.7	1.3	42.0	20.5

121.0 Days After Planting

PRELIMINARY TEST II, 2003

YIELD (bu/a)

Strain	Mean 12 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Beemer NE
IA2021 (II)	45.1	54.1	37.3	34.6	33.4	40.1	42.4	40.4
IA2050 (E) (BSR)	42.5	35.0	35.6	42.2	38.8	28.3	32.0	44.0
IA2052 (L)	47.3	53.4	39.5	46.7	37.9	37.2	33.2	50.9
A02-236004	42.6	49.1	44.8	39.1	39.0	36.9	33.9	43.1
A02-236010	46.2	46.6	45.5	48.2	37.8	34.9	30.2	45.8
A02-236011	46.5	53.3	35.3	46.2	37.7	32.0	26.2	46.1
A02-236015	47.4	58.7	38.3	50.8	38.2	34.4	31.2	48.6
A02-236016	46.0	52.9	40.4	45.7	38.7	33.3	37.6	44.8
A02-236018	46.5	51.8	37.0	48.7	41.3	31.1	42.7	47.1
A02-236035	45.2	50.4	41.9	40.3	36.4	30.1	35.8	48.5
A02-236055	44.8	47.6	35.2	46.3	36.0	36.5	39.3	42.8
A02-237007	43.8	45.1	28.1	47.3	37.4	39.6	35.1	45.6
A02-237015	46.7	48.7	38.6	54.6	40.6	41.5	33.3	49.6
A02-237018	46.8	45.7	43.1	51.6	36.8	42.1	36.2	47.4
A02-238008	46.8	56.1	42.7	50.3	39.6	36.3	36.9	45.1
A02-238026	44.2	46.2	38.6	40.3	39.8	35.8	38.9	45.0
A02-238054	44.7	55.3	37.2	45.1	34.6	29.6	37.0	44.5
E01059	45.5	55.4	38.7	45.8	41.2	38.8	32.3	45.9
E01060	41.0	46.6	30.6	37.4	33.8	30.8	30.1	41.9
E01121	42.0	50.2	37.3	39.4	33.6	36.5	38.6	40.9
E01205	48.4	56.8	40.4	47.6	36.9	43.3	37.6	47.7
E01248	40.1	48.3	33.0	37.4	32.5	33.3	33.2	37.5
E01259	45.3	53.8	31.9	44.6	39.1	44.6	37.3	43.4
E01260	47.3	55.2	42.0	46.9	37.5	45.2	34.9	45.8
HF01-0545	41.3	38.6	28.1	46.7	43.0	38.3	33.6	45.1
HF01-0821	40.6	46.7	33.5	38.7	35.9	32.3	24.5	39.2
HS0-3274	42.5	48.1	37.8	36.9	34.5	35.9	32.9	41.1
M97-205082	37.9	37.7	35.8	40.2	30.6	27.5	25.2	41.3
U01-240148	42.1	42.1	31.4	46.6	34.3	35.2	37.1	42.4
U01-240149	43.1	49.7	30.5	47.0	33.0	41.2	28.8	44.8
U01-390560	46.0	49.6	42.1	48.4	35.4	34.2	37.3	46.6
U01-390598	45.6	46.7	42.6	53.8	37.3	36.8	44.5	45.4
U01-390783	52.0	55.3	45.9	58.7	40.0	44.4	48.4	49.5
C.V. (%)		8.6	13.0	8.6	7.9	9.3	15.1	6.8
L.S.D. (5%)		8.7	9.9	8.0	6.0	6.9	9.0	6.2
Row Sp. (In.)		27	27	30	24	26	15	30
Rows/Plot		4	4	4	4	4	6	4
Reps		2	2	2	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST II, 2003

YIELD (bu/a)

Strain	Cotesfield NE	Goehner NE	Hoytville* OH	Harrow Ont.	Beresford SD	Brookings SD
IA2021 (II)	75.8	59.6	30.8	38.6	42.7	42.1
IA2050 (E) (BSR)	71.7	62.5	31.9	31.7	44.7	43.2
IA2052 (L)	81.5	65.0	41.9	32.6	44.5	44.9
A02-236004	67.8	50.5	39.1	33.0	37.6	36.5
A02-236010	81.8	62.8	46.3	35.2	43.6	42.3
A02-236011	83.7	66.2	47.2	34.3	45.3	51.3
A02-236015	75.4	64.6	43.1	35.5	48.2	44.9
A02-236016	76.7	63.2	44.3	35.0	40.3	43.6
A02-236018	76.5	65.2	52.6	34.9	44.7	37.1
A02-236035	72.2	68.3	41.6	36.5	39.2	43.1
A02-236055	76.6	66.2	42.3	34.7	39.3	36.9
A02-237007	74.3	67.7	45.4	33.2	33.2	38.7
A02-237015	71.7	70.0	47.3	33.0	37.1	41.2
A02-237018	71.9	67.0	53.7	35.1	47.6	37.3
A02-238008	72.5	65.5	42.1	33.0	45.1	38.8
A02-238026	78.0	60.3	47.7	32.1	39.2	36.6
A02-238054	72.8	60.6	38.3	31.4	47.1	40.6
E01059	68.0	66.6	37.9	32.7	46.1	34.1
E01060	67.1	66.4	40.1	32.0	37.3	38.0
E01121	64.1	55.7	36.3	33.8	42.0	32.2
E01205	77.2	65.6	48.9	40.3	43.0	44.2
E01248	62.8	54.8	34.5	35.7	38.0	35.0
E01259	67.7	63.3	34.2	36.7	44.4	37.2
E01260	71.2	68.3	45.9	38.9	36.5	45.8
HF01-0545	66.7	53.8	46.4	29.1	40.3	32.3
HF01-0821	74.5	58.5	41.1	30.8	35.6	36.6
HS0-3274	69.2	57.1	49.3	40.7	42.3	33.1
M97-205082	57.8	56.2	32.5	29.1	40.5	32.9
U01-240148	68.9	65.8	41.8	29.0	39.6	33.2
U01-240149	73.4	61.8	48.3	34.6	42.1	30.7
U01-390560	75.2	70.1	38.0	32.3	36.0	44.9
U01-390598	62.1	62.4	53.0	35.5	44.0	36.2
U01-390783	81.1	67.7	51.1	40.7	49.4	42.9
C.V. (%)	8.7	8.8	21.5	5.3	11.6	14.5
L.S.D. (5%)	13.5	11.3	15.6	4.4	8.1	9.5
Row Sp. (In.)	30	30	7.5	18	30	30
Rows/Plot	4	4	8	5	4	4
Reps	2	2	2	2	2	2

PRELIMINARY TEST II, 2003

YIELD RANK

Strain	Yield Rank	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Beemer NE
IA2021 (II)	18	8	18	33	30	8	4	31
IA2050 (E) (BSR)	25	33	23	23	10	32	26	22
IA2052 (L)	4	10	12	15	13	12	22	1
A02-236004	24	18	3	28	9	13	19	24
A02-236010	11	25	2	9	14	21	28	12
A02-236011	9	11	24	18	15	27	31	10
A02-236015	3	1	16	5	12	22	27	4
A02-236016	12	12	10	20	11	24	8	20
A02-236018	9	13	21	7	2	28	3	8
A02-236035	17	14	9	25	21	30	16	5
A02-236055	19	22	25	17	22	15	5	25
A02-237007	22	29	32	11	17	9	17	14
A02-237015	8	19	14	2	4	6	21	2
A02-237018	6	28	4	4	20	5	15	7
A02-238008	6	3	5	6	7	17	14	17
A02-238026	21	27	14	25	6	19	6	18
A02-238054	20	5	20	21	25	31	13	21
E01059	15	4	13	19	3	10	25	11
E01060	30	25	30	30	28	29	29	27
E01121	28	15	18	27	29	15	7	30
E01205	2	2	10	10	19	4	9	6
E01248	32	20	27	31	32	24	23	33
E01259	16	9	28	22	8	2	10	23
E01260	4	7	8	13	16	1	18	12
HF01-0545	29	31	32	14	1	11	20	16
HF01-0821	31	23	26	29	23	26	33	32
HS0-3274	25	21	17	32	26	18	24	29
M97-205082	33	32	22	26	33	33	32	28
U01-240148	27	30	29	16	27	20	12	26
U01-240149	23	16	31	12	31	7	30	19
U01-390560	12	17	7	8	24	23	11	9
U01-390598	14	23	6	3	18	14	2	15
U01-390783	1	5	1	1	5	3	1	3

PRELIMINARY TEST II, 2003

YIELD RANK

Strain	Cotesfield NE	Goehner NE	Hoytville OH	Harrow Ont.	Beresford SD	Brookings SD
IA2021 (II)	10	26	33	5	15	12
IA2050 (E) (BSR)	20	21	32	28	8	8
IA2052 (L)	3	16	19	24	10	3
A02-236004	26	33	24	20	27	24
A02-236010	2	20	12	11	13	11
A02-236011	1	10	10	17	6	1
A02-236015	11	17	16	9	2	4
A02-236016	7	19	15	13	20	7
A02-236018	9	15	3	14	9	20
A02-236035	18	4	21	7	24	9
A02-236055	8	11	17	15	23	21
A02-237007	14	6	14	19	33	16
A02-237015	21	2	9	22	29	13
A02-237018	19	7	1	12	3	18
A02-238008	17	14	18	21	7	15
A02-238026	5	25	8	26	25	22
A02-238054	16	24	25	29	4	14
E01059	25	8	27	23	5	27
E01060	28	9	23	27	28	17
E01121	30	30	28	18	18	32
E01205	6	13	6	3	14	6
E01248	31	31	29	8	26	26
E01259	27	18	30	6	11	19
E01260	22	3	13	4	30	2
HF01-0545	29	32	11	31	21	31
HF01-0821	13	27	22	30	32	23
HS0-3274	23	28	5	1	16	29
M97-205082	33	29	31	32	19	30
U01-240148	24	12	20	33	22	28
U01-240149	15	23	7	16	17	33
U01-390560	12	1	26	25	31	5
U01-390598	32	22	2	10	12	25
U01-390783	4	5	4	2	1	10

PRELIMINARY TEST II, 2003

MATURITY (date)

Strain	Mean 12 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Beemer NE
IA2021 (II)	9/16	9/11	9/17	9/4	9/11	9/20	9/15	
IA2050 (E) (BSR)	-2.3	-6	-3	-2	-2	-4	0	
IA2052 (L)	2.4	4	5	2	1	0	6	
A02-236004	2.3	0	4	3	3	1	4	
A02-236010	1.9	2	7	0	1	-2	5	
A02-236011	0.6	3	2	-2	0	-2	4	
A02-236015	0.8	3	2	-1	0	-2	4	
A02-236016	0.2	1	2	-2	-1	-3	5	
A02-236018	2.8	7	3	1	3	0	7	
A02-236035	1.7	5	2	-1	-1	-2	6	
A02-236055	1.1	-1	3	-2	-1	-2	7	
A02-237007	2.5	1	3	-2	2	2	9	
A02-237015	2.3	4	2	1	1	0	7	
A02-237018	3.0	5	6	1	2	0	8	
A02-238008	0.3	2	2	-1	2	-3	8	
A02-238026	3.5	6	8	-2	2	2	9	
A02-238054	-0.4	0	0	-2	-3	-3	6	
E01059	0.0	3	1	-2	-2	-2	1	
E01060	0.5	-1	2	0	1	-2	3	
E01121	0.2	-1	0	-2	0	0	6	
E01205	1.0	2	3	-2	-1	1	5	
E01248	-0.6	-1	-1	-2	-3	0	2	
E01259	3.5	3	6	2	4	4	4	
E01260	2.6	4	5	1	2	2	2	
HF01-0545	8.1	8	9	6	8	7	16	
HF01-0821	5.3	9	7	3	7	3	10	
HS0-3274	4.0	2	5	1	5	5	13	
M97-205082	4.4	6	7	5	5	3	7	
U01-240148	6.4	5	7	2	7	7	14	
U01-240149	4.2	3	7	0	3	5	8	
U01-390560	1.9	0	6	-1	-2	1	5	
U01-390598	5.3	7	8	4	4	1	14	
U01-390783	5.8	8	7	4	5	4	14	
Date Planted	5/18	5/18	5/27	4/30	5/24	5/23	5/22	5/21
Days to Mature	121	116	113	127	110	120	116	

PRELIMINARY TEST II, 2003

MATURITY (date)

Strain	Cotesfield NE	Goehner NE	Hoytville OH	Harrow Ont.	Beresford SD	Brookings SD
IA2021 (II)	9/22	9/12	9/14	9/29	9/20	9/21
IA2050 (E) (BSR)	-4	0	-2	-5	-1	0
IA2052 (L)	4	3	1	-3	3	2
A02-236004	5	4	2	-1	-1	4
A02-236010	3	5	1	-1	-1	4
A02-236011	2	3	-1	0	-3	1
A02-236015	2	2	0	-1	1	0
A02-236016	1	2	0	-1	-2	0
A02-236018	5	4	2	1	-1	3
A02-236035	5	3	1	1	-1	3
A02-236055	3	3	2	1	0	2
A02-237007	5	3	2	0	1	4
A02-237015	3	2	4	-1	1	4
A02-237018	4	3	2	-1	1	5
A02-238008	-4	1	1	-2	-4	1
A02-238026	4	3	3	4	0	4
A02-238054	1	2	0	-3	-3	1
E01059	-1	2	-1	-4	2	2
E01060	3	2	2	-1	-2	0
E01121	-1	1	2	-3	1	-1
E01205	2	3	-1	-1	1	0
E01248	1	0	-2	-2	-1	2
E01259	3	4	4	2	2	4
E01260	4	4	5	0	2	2
HF01-0545	11	7	7	11	3	6
HF01-0821	5	5	5	3	1	5
HS0-3274	3	4	4	4	2	2
M97-205082	5	5	4	4	1	2
U01-240148	7	4	5	10	2	8
U01-240149	7	5	1	6	2	4
U01-390560	5	2	2	1	0	4
U01-390598	5	7	5	3	3	5
U01-390783	7	6	2	5	3	5
Date Planted	5/29	5/24	4/30	5/17	5/18	5/15
Days to Mature	116	111	137	135	125	129

PRELIMINARY TEST II, 2003

LODGING (score)

Strain	Mean 13 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Beemer NE
IA2021 (II)	1.4	2.3	2.0	1.0	1.0	1.0	1.0	1.0
IA2050 (E) (BSR)	1.3	1.8	1.5	1.0	1.0	1.0	1.0	1.0
IA2052 (L)	1.5	2.8	2.3	1.0	1.5	1.0	1.0	1.0
A02-236004	1.5	3.3	2.0	1.0	1.0	1.0	1.0	1.0
A02-236010	1.5	3.0	2.0	1.0	1.3	1.0	1.0	1.0
A02-236011	1.5	2.3	2.0	1.0	1.0	1.0	1.0	1.0
A02-236015	1.5	2.8	2.0	1.0	1.3	1.0	1.0	1.0
A02-236016	1.3	2.5	1.5	1.0	1.0	1.0	1.0	1.0
A02-236018	1.5	2.3	1.8	1.0	1.0	1.0	1.0	1.0
A02-236035	1.4	2.8	2.0	1.0	1.0	1.0	1.0	1.0
A02-236055	1.4	3.0	1.8	1.0	1.0	1.0	1.0	1.0
A02-237007	1.4	2.3	1.5	1.0	1.0	1.0	1.0	1.0
A02-237015	1.5	2.3	2.3	1.0	1.3	1.0	1.5	1.0
A02-237018	1.4	2.8	2.0	1.0	1.0	1.0	1.0	1.0
A02-238008	1.4	2.5	2.0	1.0	1.0	1.0	1.0	1.0
A02-238026	1.5	2.3	2.0	1.0	1.0	1.0	1.0	1.0
A02-238054	1.3	2.0	1.5	1.0	1.0	1.0	1.0	1.0
E01059	1.5	3.0	2.3	1.0	1.0	1.0	1.0	1.0
E01060	1.4	3.0	1.8	1.0	1.0	1.0	1.0	1.0
E01121	1.3	1.8	1.8	1.0	1.0	1.0	1.0	1.0
E01205	1.4	2.0	1.8	1.0	1.0	1.0	1.0	1.0
E01248	1.3	1.8	1.3	1.0	1.0	1.0	1.0	1.0
E01259	1.4	2.5	1.8	1.0	1.0	1.0	1.0	1.0
E01260	1.5	2.3	2.5	1.0	1.0	1.0	1.0	1.0
HF01-0545	2.2	2.8	3.0	1.0	1.3	1.0	1.0	1.0
HF01-0821	1.3	1.8	1.8	1.0	1.0	1.0	1.0	1.0
HS0-3274	1.4	2.0	2.0	1.0	1.0	1.0	1.0	1.0
M97-205082	1.4	2.5	2.0	1.0	1.3	1.0	1.0	1.0
U01-240148	2.1	3.3	2.8	1.0	1.0	1.0	2.0	1.0
U01-240149	2.1	3.8	2.8	1.0	1.3	1.0	1.0	1.0
U01-390560	1.7	3.3	2.5	1.0	1.0	1.0	1.0	1.0
U01-390598	1.7	2.8	2.0	1.0	1.0	1.0	1.0	1.0
U01-390783	1.5	2.5	2.0	1.0	1.0	1.0	1.0	1.0

PRELIMINARY TEST II, 2003

LODGING (score)

Strain	Cotesfield NE	Goehner NE	Hoytville OH	Harrow Ont.	Beresford SD	Brookings SD
IA2021 (II)	2.0	1.0	1.2	1.0	3.0	1.0
IA2050 (E) (BSR)	1.5	1.0	1.3	1.0	3.0	1.0
IA2052 (L)	2.0	1.0	1.4	1.0	2.0	1.0
A02-236004	3.0	1.5	1.3	1.0	2.0	1.0
A02-236010	2.5	1.5	1.5	1.0	2.0	1.0
A02-236011	2.5	2.0	1.5	1.0	2.0	1.0
A02-236015	2.5	1.5	1.3	1.0	2.0	1.0
A02-236016	2.0	1.0	1.3	1.0	2.0	1.0
A02-236018	3.5	1.5	1.3	1.0	2.0	1.0
A02-236035	2.0	1.0	1.3	1.0	2.0	1.0
A02-236055	2.5	1.0	1.3	1.0	2.0	1.0
A02-237007	2.0	1.5	1.3	1.0	2.0	1.0
A02-237015	2.0	1.5	1.3	1.0	2.0	1.0
A02-237018	2.5	1.0	1.3	1.0	2.0	1.0
A02-238008	2.5	1.0	1.3	1.0	2.0	1.0
A02-238026	2.5	1.0	1.3	1.0	3.0	1.0
A02-238054	2.0	1.0	1.3	1.0	2.0	1.0
E01059	2.5	1.5	1.4	1.0	2.0	1.0
E01060	2.0	1.0	1.3	1.0	2.0	1.0
E01121	1.5	1.0	1.3	1.0	2.0	1.0
E01205	2.0	1.5	1.3	1.0	2.0	1.0
E01248	2.0	1.0	1.3	1.0	2.0	1.0
E01259	2.0	1.0	1.3	1.0	3.0	1.0
E01260	2.0	1.5	1.3	1.0	3.0	1.0
HF01-0545	5.0	3.0	1.3	3.5	4.0	1.0
HF01-0821	2.0	1.5	1.3	1.0	2.0	1.0
HS0-3274	2.0	1.0	1.3	1.0	3.0	1.0
M97-205082	2.0	1.5	1.3	1.0	2.0	1.0
U01-240148	4.0	2.5	1.3	2.5	4.0	1.0
U01-240149	4.5	2.0	1.3	2.5	4.0	1.0
U01-390560	3.0	1.0	1.3	2.5	2.0	1.0
U01-390598	3.5	2.0	1.4	1.0	3.0	1.0
U01-390783	3.0	1.5	1.3	1.0	2.0	1.0

PRELIMINARY TEST II, 2003

PLANT HEIGHT (inches)

Strain	Mean 11 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Beemer NE
IA2021 (II)	27	32	29	22	25	26	29	
IA2050 (E) (BSR)	28	32	30	22	27	27	31	
IA2052 (L)	34	39	39	29	32	30	35	
A02-236004	31	34	37	25	31	28	28	
A02-236010	31	37	33	25	30	28	30	
A02-236011	31	35	32	27	30	26	29	
A02-236015	30	35	31	25	28	28	26	
A02-236016	30	35	31	25	28	28	30	
A02-236018	31	37	32	27	30	27	29	
A02-236035	25	33	26	22	23	23	28	
A02-236055	27	31	27	26	24	25	26	
A02-237007	30	31	28	23	29	28	32	
A02-237015	31	34	32	28	31	29	33	
A02-237018	32	38	33	28	30	29	35	
A02-238008	32	38	33	28	31	31	35	
A02-238026	28	35	30	23	30	27	26	
A02-238054	29	34	30	26	27	26	32	
E01059	31	36	34	25	31	28	32	
E01060	30	40	31	25	27	30	30	
E01121	27	33	28	21	25	26	28	
E01205	29	29	31	24	25	25	30	
E01248	29	34	29	26	26	27	28	
E01259	32	38	30	26	27	30	36	
E01260	31	36	34	28	28	28	31	
HF01-0545	36	43	36	32	33	33	40	
HF01-0821	32	37	30	30	30	29	32	
HS0-3274	30	33	31	25	27	26	32	
M97-205082	29	33	33	22	27	26	29	
U01-240148	31	33	35	23	29	28	38	
U01-240149	29	29	31	24	28	28	32	
U01-390560	30	34	33	22	30	28	35	
U01-390598	31	37	33	27	28	28	32	
U01-390783	28	30	30	24	25	24	33	

PRELIMINARY TEST II, 2003

PLANT HEIGHT (inches)

Strain	Cotesfield NE	Goehner NE	Hoytville OH	Harrow Ont.	Beresford SD	Brookings SD
IA2021 (II)		27	23	27	31	29
IA2050 (E) (BSR)		28	24	28	34	31
IA2052 (L)		33	27	33	37	35
A02-236004		33	28	33	37	32
A02-236010		31	27	32	35	30
A02-236011		32	29	32	36	31
A02-236015		30	27	30	37	29
A02-236016		30	28	30	38	29
A02-236018		33	26	30	35	31
A02-236035		25	22	23	29	25
A02-236055		27	26	27	31	28
A02-237007		30	27	30	38	31
A02-237015		32	29	28	34	31
A02-237018		34	30	28	36	33
A02-238008		30	27	31	35	30
A02-238026		27	27	28	33	28
A02-238054		27	32	27	30	29
E01059		30	28	29	38	32
E01060		31	25	31	34	31
E01121		26	26	24	32	28
E01205		30	26	31	37	33
E01248		30	29	29	35	29
E01259		32	29	29	40	32
E01260		32	30	30	38	30
HF01-0545		38	30	34	40	35
HF01-0821		34	31	30	38	33
HS0-3274		31	27	34	36	32
M97-205082		29	25	30	37	32
U01-240148		29	27	32	36	33
U01-240149		28	27	33	31	32
U01-390560		27	25	30	33	33
U01-390598		32	32	28	34	33
U01-390783		26	26	28	32	28

PRELIMINARY TEST II, 2003

SEED SIZE (g/100)

Strain	Mean 13 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Beemer NE
IA2021 (II)	14.4	14.0	13.0	14.9	13.1	14.4	15.3	13.5
IA2050 (E) (BSR)	13.6	11.7	12.5	15.1	12.9	11.3	12.1	13.9
IA2052 (L)	12.8	12.1	11.7	14.5	11.9	11.6	11.1	13.1
A02-236004	15.6	15.7	16.0	16.9	15.2	14.6	14.9	14.7
A02-236010	12.5	12.1	12.7	13.0	11.6	11.8	11.0	12.0
A02-236011	13.3	14.0	12.8	13.9	12.5	12.8	11.4	13.5
A02-236015	13.5	14.4	12.9	13.7	13.1	13.3	12.4	13.0
A02-236016	12.7	12.3	12.5	14.0	12.6	11.3	11.5	12.7
A02-236018	13.2	14.2	12.6	13.7	13.0	13.6	12.8	12.7
A02-236035	14.8	15.6	14.1	16.0	14.2	12.8	13.2	14.3
A02-236055	13.1	13.0	11.8	13.9	11.7	11.8	13.3	12.5
A02-237007	11.9	12.2	10.2	13.1	10.6	12.8	10.6	11.2
A02-237015	13.6	12.3	11.9	14.1	12.1	12.9	22.2	12.7
A02-237018	13.5	13.4	13.3	14.4	12.9	13.7	12.1	13.4
A02-238008	12.7	13.0	12.1	13.5	11.9	11.4	11.7	12.5
A02-238026	17.1	15.8	16.9	17.5	16.6	15.8	16.9	16.8
A02-238054	13.2	12.9	12.6	14.0	12.5	11.9	12.3	13.5
E01059	14.1	14.1	13.0	15.7	13.2	12.4	12.8	14.0
E01060	12.2	11.3	11.4	12.2	12.1	9.5	11.0	11.9
E01121	15.6	15.9	14.1	16.6	14.8	15.0	14.9	15.1
E01205	13.4	13.9	12.6	14.1	13.7	12.8	11.9	13.1
E01248	17.0	16.7	15.5	18.0	15.5	17.5	16.4	17.7
E01259	16.1	15.6	14.3	17.0	17.0	16.7	15.5	14.8
E01260	16.5	16.9	15.9	17.3	16.7	16.7	14.5	14.5
HF01-0545	13.9	12.7	11.4	14.2	13.4	15.8	12.4	13.7
HF01-0821	13.1	13.5	11.8	12.8	12.3	14.5	12.4	11.6
HS0-3274	13.7	13.9	12.0	14.5	13.0	13.7	13.8	13.2
M97-205082	13.1	12.7	12.4	14.2	11.9	12.8	12.1	13.0
U01-240148	14.1	13.1	12.8	15.9	13.3	15.1	14.7	13.3
U01-240149	13.6	13.5	12.5	13.3	12.7	15.2	12.6	12.3
U01-390560	15.4	15.3	15.1	15.1	13.5	14.3	14.6	14.3
U01-390598	13.0	12.6	12.6	13.4	12.3	13.4	12.7	11.9
U01-390783	15.2	15.6	14.9	17.0	13.8	14.5	15.4	14.1

PRELIMINARY TEST II, 2003

SEED SIZE (g/100)

Strain	Cotesfield NE	Goehner NE	Hoytville OH	Harrow Ont.	Beresford SD	Brookings SD
IA2021 (II)	18.0	16.3	11.9	15.2	13.2	14.7
IA2050 (E) (BSR)	16.5	17.4	12.2	13.3	12.5	15.5
IA2052 (L)	15.3	15.9	11.9	12.7	11.8	12.9
A02-236004	18.0	17.0	13.7	15.9	13.6	16.9
A02-236010	15.6	14.3	11.8	12.4	10.6	13.8
A02-236011	16.1	14.8	11.4	14.2	12.0	13.7
A02-236015	16.9	14.5	11.3	13.7	13.3	13.6
A02-236016	15.4	14.6	10.8	13.4	11.1	13.5
A02-236018	15.6	14.5	10.6	13.2	12.0	13.2
A02-236035	18.5	16.9	14.4	15.1	12.3	14.8
A02-236055	17.4	15.7	11.6	14.4	10.5	12.6
A02-237007	14.4	13.9	10.9	12.7	10.3	12.3
A02-237015	15.3	14.1	11.1	12.8	11.7	13.9
A02-237018	16.1	15.2	11.3	13.6	12.0	14.3
A02-238008	14.1	14.8	11.5	13.5	12.2	13.3
A02-238026	21.2	20.3	16.3	17.0	15.1	16.5
A02-238054	16.3	14.9	10.8	12.9	12.7	14.7
E01059	17.5	16.9	13.1	13.7	12.7	13.7
E01060	15.7	14.4	12.1	13.1	11.1	13.3
E01121	18.5	17.6	14.5	16.4	13.5	15.5
E01205	15.7	15.1	11.5	13.5	12.5	13.5
E01248	20.2	19.8	14.9	17.5	14.4	16.9
E01259	18.5	19.0	16.1	16.7	15.1	13.5
E01260	19.7	18.3	17.1	16.8	13.7	16.0
HF01-0545	14.5	15.3	12.9	14.7	14.1	16.0
HF01-0821	15.9	13.6	11.8	13.6	12.3	14.8
HS0-3274	15.2	14.8	12.1	14.1	12.5	15.7
M97-205082	14.3	14.3	12.9	13.8	12.9	13.0
U01-240148	16.2	15.7	11.8	14.1	12.4	14.8
U01-240149	16.9	15.3	12.5	15.4	11.7	13.4
U01-390560	20.7	18.4	13.7	15.8	14.6	14.9
U01-390598	15.1	14.5	11.1	13.7	11.8	13.7
U01-390783	18.1	16.2	13.8	15.3	12.8	16.4

PRELIMINARY TEST II, 2003

SEED QUALITY (score)

Strain	Mean 7 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Beemer NE
IA2021 (II)	1.9			2.5	2.5	1.5		
IA2050 (E) (BSR)	1.8			2.0	1.0	1.0		
IA2052 (L)	1.4			1.5	1.0	1.0		
A02-236004	1.8			2.0	1.0	1.0		
A02-236010	1.7			2.0	1.0	1.0		
A02-236011	1.7			2.0	1.5	1.0		
A02-236015	1.8			2.0	1.0	1.0		
A02-236016	1.8			2.0	1.5	1.0		
A02-236018	1.5			1.5	1.5	1.0		
A02-236035	1.7			2.0	1.0	1.0		
A02-236055	1.5			2.0	1.0	1.0		
A02-237007	1.7			2.0	1.5	1.0		
A02-237015	1.6			2.0	1.5	1.0		
A02-237018	1.8			1.5	1.5	1.0		
A02-238008	1.7			1.5	1.5	1.0		
A02-238026	2.2			2.0	2.0	1.0		
A02-238054	1.5			2.0	1.0	1.0		
E01059	1.7			2.0	1.5	1.0		
E01060	1.7			2.0	1.0	1.0		
E01121	1.8			2.0	1.0	1.0		
E01205	1.8			2.0	1.0	1.0		
E01248	1.7			2.0	1.0	1.0		
E01259	2.0			2.0	1.5	1.0		
E01260	1.8			2.0	1.0	1.0		
HF01-0545	1.7			1.5	1.0	1.0		
HF01-0821	1.6			1.5	1.0	1.0		
HS0-3274	1.9			2.0	1.0	1.0		
M97-205082	1.8			2.0	1.0	1.0		
U01-240148	1.7			1.5	1.0	1.0		
U01-240149	1.8			1.5	1.0	1.0		
U01-390560	1.3			2.0	1.0	1.0		
U01-390598	1.8			1.5	1.0	1.0		
U01-390783	1.7			1.5	1.5	1.0		

PRELIMINARY TEST II, 2003

SEED QUALITY (score)

Strain	Cotesfield NE	Goehner NE	Hoytville OH	Harrow Ont.	Beresford SD	Brookings SD
IA2021 (II)			1.9	1.0	2.0	2.0
IA2050 (E) (BSR)			2.4	1.0	3.0	2.0
IA2052 (L)			1.4	1.0	2.0	2.0
A02-236004			1.9	1.0	3.0	3.0
A02-236010			1.6	1.0	2.0	3.0
A02-236011			1.5	1.0	2.0	3.0
A02-236015			1.5	1.0	3.0	3.0
A02-236016			1.9	1.0	3.0	2.0
A02-236018			1.6	1.0	2.0	2.0
A02-236035			1.7	1.0	3.0	2.0
A02-236055			1.7	1.0	2.0	2.0
A02-237007			1.7	1.0	2.0	3.0
A02-237015			1.6	1.0	2.0	2.0
A02-237018			1.6	1.0	3.0	3.0
A02-238008			1.7	1.0	3.0	2.0
A02-238026			2.1	1.0	3.0	4.0
A02-238054			1.8	1.0	2.0	2.0
E01059			2.2	1.0	2.0	2.0
E01060			2.6	1.0	2.0	2.0
E01121			2.8	1.0	3.0	2.0
E01205			1.9	1.0	3.0	3.0
E01248			2.1	1.0	2.0	3.0
E01259			2.4	1.0	3.0	3.0
E01260			1.9	1.0	3.0	3.0
HF01-0545			2.7	1.0	2.0	3.0
HF01-0821			1.9	1.0	2.0	3.0
HS0-3274			2.5	1.0	3.0	3.0
M97-205082			2.7	1.0	2.0	3.0
U01-240148			1.5	1.0	2.0	4.0
U01-240149			2.3	1.0	2.0	4.0
U01-390560			1.4	1.0	1.0	2.0
U01-390598			1.7	1.5	3.0	3.0
U01-390783			1.8	1.0	2.0	3.0

PRELIMINARY TEST II, 2003

GREEN STEM (score)

Strain	Mean 4 Tests	Rippey IA	Lafayette IN	Wanatah IN	Harrow Ont.
IA2021 (II)	1.3	2.0	1.0	1.0	1.0
IA2050 (E) (BSR)	1.3	2.0	1.0	1.0	1.0
IA2052 (L)	1.0	1.0	1.0	1.0	1.0
A02-236004	1.5	2.0	1.0	2.0	1.0
A02-236010	1.0	1.0	1.0	1.0	1.0
A02-236011	1.0	1.0	1.0	1.0	1.0
A02-236015	1.0	1.0	1.0	1.0	1.0
A02-236016	1.0	1.0	1.0	1.0	1.0
A02-236018	1.3	2.0	1.0	1.0	1.0
A02-236035	1.8	3.0	1.0	2.0	1.0
A02-236055	1.0	1.0	1.0	1.0	1.0
A02-237007	1.3	2.0	1.0	1.0	1.0
A02-237015	1.8	3.0	1.0	2.0	1.0
A02-237018	1.3	2.0	1.0	1.0	1.0
A02-238008	1.3	2.0	1.0	1.0	1.0
A02-238026	1.3	2.0	1.0	1.0	1.0
A02-238054	1.0	1.0	1.0	1.0	1.0
E01059	1.5	3.0	1.0	1.0	1.0
E01060	1.0	1.0	1.0	1.0	1.0
E01121	1.8	3.0	1.0	2.0	1.0
E01205	1.3	2.0	1.0	1.0	1.0
E01248	1.3	2.0	1.0	1.0	1.0
E01259	2.3	5.0	1.0	2.0	1.0
E01260	2.3	5.0	1.0	2.0	1.0
HF01-0545	1.8	3.0	1.0	2.0	1.0
HF01-0821	1.5	3.0	1.0	1.0	1.0
HS0-3274	1.3	2.0	1.0	1.0	1.0
M97-205082	1.3	2.0	1.0	1.0	1.0
U01-240148	1.0	1.0	1.0	1.0	1.0
U01-240149	1.0	1.0	1.0	1.0	1.0
U01-390560	1.0	1.0	1.0	1.0	1.0
U01-390598	1.0	1.0	1.0	1.0	1.0
U01-390783	1.3	2.0	1.0	1.0	1.0

PRELIMINARY TEST II, 2003

PROTEIN (%)

Strain	Mean 5 Tests	Ames IA	Urbana IL	Wanatah IN	Hoytville OH	Harrow ONT
IA2021 (II)	38.6	37.4	38.5	38.0	39.1	40.0
IA2050 (E) (BSR)	42.1	43.4	38.8	41.5	41.8	44.8
IA2052 (L)	40.8	41.5	39.3	38.8	41.8	42.5
A02-236004	41.1	43.7	37.8	41.6	39.1	43.5
A02-236010	40.8	40.5	38.6	41.7	40.1	43.3
A02-236011	41.8	40.5	39.6	41.4	43.8	43.7
A02-236015	41.4	41.7	38.9	41.2	43.0	42.1
A02-236016	41.6	42.1	38.1	42.7	43.1	42.3
A02-236018	40.6	39.6	39.0	40.6	42.2	41.9
A02-236035	41.0	41.3	40.0	40.2	41.0	42.5
A02-236055	39.9	39.3	36.0	40.3	40.7	43.3
A02-237007	39.9	40.0	38.2	38.9	39.9	42.5
A02-237015	41.2	43.5	38.0	40.6	40.6	42.9
A02-237018	41.5	44.0	38.0	41.8	41.5	42.2
A02-238008	40.4	40.4	37.2	41.4	40.7	42.2
A02-238026	43.8	46.6	42.9	42.7	41.5	45.5
A02-238054	42.3	41.2	40.2	43.7	43.2	43.1
E01059	39.6	39.8	38.2	40.0	38.1	42.2
E01060	40.0	41.0	38.8	39.8	37.4	43.1
E01121	39.1	39.6	38.2	39.1	37.6	40.9
E01205	39.9	40.2	38.0	38.3	40.6	42.1
E01248	38.8	39.6	39.1	38.0	36.5	40.9
E01259	39.4	40.9	37.5	38.5	38.0	42.1
E01260	40.0	39.7	38.9	39.0	40.3	42.0
HF01-0545	40.2	41.5	39.7	40.2	37.7	42.0
HF01-0821	41.9	42.9	41.4	41.3	39.4	44.6
HS0-3274	40.7	39.8	40.6	39.2	40.5	43.5
M97-205082	43.1	44.4	41.2	42.7	42.1	45.1
U01-240148	39.7	42.2	38.9	39.3	34.8	43.5
U01-240149	41.8	42.2	41.6	41.4	41.0	42.8
U01-390560	40.7	42.5	38.8	41.3	38.2	42.6
U01-390598	41.4	41.8	39.7	42.2	39.6	43.7
U01-390783	42.0	41.1	40.2	41.7	42.2	44.6

PRELIMINARY TEST II, 2003

OIL (%)

Strain	Mean 5 Tests	Ames IA	Urbana IL	Wanatah IN	Hoytville OH	Harrow ONT
IA2021 (II)	21.5	21.1	22.0	21.6	20.2	22.4
IA2050 (E) (BSR)	19.3	17.9	21.5	18.8	18.9	19.3
IA2052 (L)	20.7	20.8	22.1	21.1	19.4	20.0
A02-236004	20.8	20.0	23.4	19.8	20.2	20.3
A02-236010	18.9	18.7	20.5	18.5	18.5	18.4
A02-236011	19.2	20.0	20.6	19.2	17.3	18.7
A02-236015	19.8	20.2	21.2	19.9	18.4	19.5
A02-236016	18.7	18.9	20.6	17.9	17.4	18.8
A02-236018	19.9	20.1	21.3	20.2	18.4	19.6
A02-236035	20.5	20.9	20.5	20.8	20.3	20.1
A02-236055	20.9	21.5	22.8	20.1	19.8	20.2
A02-237007	20.3	20.6	21.4	20.3	19.7	19.7
A02-237015	19.7	19.4	20.9	20.3	18.7	19.1
A02-237018	19.7	19.3	21.6	19.7	18.8	19.4
A02-238008	19.9	20.3	20.4	19.4	19.0	20.2
A02-238026	19.1	18.0	20.4	19.0	19.3	18.7
A02-238054	18.9	19.4	20.6	18.2	17.3	18.8
E01059	20.1	20.3	21.3	20.1	19.5	19.6
E01060	19.8	18.8	21.2	18.9	20.3	19.6
E01121	20.8	20.2	22.1	20.3	20.1	21.4
E01205	20.9	20.2	22.2	21.9	19.8	20.5
E01248	20.7	20.3	21.0	20.9	20.9	20.5
E01259	21.0	20.7	22.0	21.5	19.6	21.1
E01260	20.8	20.7	21.5	20.8	19.8	21.2
HF01-0545	19.8	19.6	20.7	20.1	19.3	19.4
HF01-0821	20.1	20.8	21.0	20.1	19.3	19.2
HS0-3274	19.5	19.7	20.7	20.1	17.5	19.5
M97-205082	19.8	19.1	21.6	19.4	19.3	19.8
U01-240148	20.0	19.1	21.4	20.1	20.6	18.9
U01-240149	19.6	19.6	20.4	20.3	17.7	19.9
U01-390560	20.7	20.0	22.4	20.1	20.4	20.4
U01-390598	20.1	20.6	21.2	20.3	19.4	19.3
U01-390783	20.5	20.1	22.2	20.7	19.1	20.2

Uniform Test III, 2003

Ent.	Strain	Parentage	Previous Testing	Generation Composited	Unique Traits
1	A99-315026	Dairyland DSR-365 x Pioneer P9381	2	F5	
2.	IA2052 (II)	Northrup King S24-92 x Parker	3	F5	
3.	Pana (SCN)	Jack x Asgrow A3205	SCN III	?	SCN
4.	Macon (L)	Sherman x Resnik	9	F5	
5.	Apex	HC85-607 x HC78-676 BC	4	F5	dt1
6.	IA3017				1% linolenic
7.	IA3018				2% linolenic
8.	IA3019				2% linolenic
9.	IA3020				2% linolenic
10.	E00001	AgriPro1995 x Pioneer 9281	PTIIA	F5	
11.	E00003	AgriPro1995 x Pioneer 9281	PTIIA	F5	
12.	E00075	Dairyland DSR-345 x E91031	PTIIA	F5	
13.	E00290	Jack x E93433	PTIIA	F5	
14.	HF00-072	U93-2412 x A91-701007	PTIIA	F5	
15.	HC94-421BC	Stout (6) x Sprite 87	-	BC5F3	Stout BC
16.	HC99-2846	DPL 3478 x Stressland	SCN PT III	F5	SCN
17.	HS0-3246	HS93-4118 x Kottman	PT IIIB	F5	
18.	HS0-3248	HS93-4118 x Kottman	PT IIIB	F5	
19.	HS0-3251	HS93-4118 x Kottman	PT IV	F5	
20.	K1547	BP: Macon, IA3010, A94-774016	PT IIIA	F5	
21.	K1548	Pioneer P9341 x Northrup King S46-44	PT IIIA	F5	
22.	K1560	BP: Pioneer P9341, A93-754028, IA3010	PT IIIA	F5	
23.	K1562	BP: IA1006, CX411, LS92-3660	PT IIIA	F5	
24.	LDX98152-32	Dwight x LN92-7369	PT IIIA	F5	MR to SCN Race 3
25.	LS99-2516	U93-3116 x A92-726004	PT IIIA	F6	SCN
26.	U99-005032	MSBP6S4	1	S5	
27.	U99-035014	MSBP6S4	1	S5	

UNIFORM TEST III, 2003

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Humboldt IA	Chlorosis Score Wilkin Co. MN	Shattering Score Ashland KS	PR Lafayette Race 4	PR Lafayette Race 7	SDS Pontiac IL DX	SDS Paris IL DX	PS Lafayette a %	P&SB Lafayette n %
A99-315026	WLtTDYBlI	4.0	3.3	1.0	S	S	5	0	4	0
IA2052 (II)	WGBIYBfI	4.6	3.7	2.0	S	S	0	1	10	0
Pana (SCN)	PGBIYBfI	4.6	3.8	1.0	S	R	0	0	28	2
Macon (L)	WTBIYBlI	3.8	3.5	1.0	S	S	2	0	8	0
Apex	PTBSYBlD	4.8	3.5	1.0	R	R	1	7	4	0
IA3017	PTBDYBlI	4.9	3.8	2.0	R	R	1	4	10	0
IA3018	PTBDYBlI	4.1	3.8	1.0	R	R	6	5	8	0
IA3019	WTBIYBlI	3.1	3.3	1.0	S	H	4	5	0	0
IA3020	WTBDYBrI	3.8	4.0	1.0	S	S	5	1	2	0
E00001	PTBIYBrI	3.3	3.3	2.0	R	R	10	5	12	0
E00003	PTBIYBrI	2.8	3.2	1.0	R	R	1	0	8	2
E00075	WTTIYBlI	4.8	3.5	2.0	S	S	2	0	14	0
E00290	WGBIYBfI	4.1	4.2	1.0	S	S	4	4	2	2
HF00-072	PGBIYDbfI	4.5	4.2	2.0	S	S	10	3	16	0
HC94-421BC	WTTDYLblD	3.4	3.3	1.0	H	R	0	0	0	0
HC99-2846	PGTDYBlI	4.4	3.3	1.0	S	S	1	1	8	0
HS0-3246	WGBDYDbfI	4.0	3.7	1.0	R	R	0	0	16	0
HS0-3248	WGBDYIbI	4.5	3.7	1.0	R	R	0	1	2	0
HS0-3251	WLtBDYIbI	4.9	3.5	1.0	R	R	0	0	0	0
K1547	WGBDYBfI	3.8	2.7	1.0	S	R	0	1	8	0
K1548	WTBSYBlI	4.6	3.7	1.0	S	R	2	1	2	0
K1560	PTBDYBrI	3.9	3.7	2.0	S	S	2	3	0	2
K1562	PTTDYBlI	4.4	4.0	2.0	S	R	0	2	8	0
LDX98152-32	PTTDYLblI	3.5	3.8	1.0	R	H	1	0	8	0
LS99-2516	P+WTTDYIbI	4.8	3.7	1.0	S	S	0	0	12	0
U99-005032	WLtBDYBrI	3.9	3.3	1.0	S	S	5	5	2	0
U99-035014	PGBDYGrI	3.1	3.2	2.0	S	S	15	16	0	0

UNIFORM TEST III, 2003

REGIONAL SUMMARY

Strain	Yield bu/a	Rank No.	Maturity Date	Lodging Score	Plant Height In.	Seed Size g/100	Seed Quality Score	Composition Protein %	Composition Oil %
No. of Tests	18	18	17	18	16	17	11	5	5
A99-315026	50.2	1	9/24	1.5	30	13.9	1.6	38.1	20.2
IA2052 (II)	45.2	21	-7.4	1.6	32	12.9	1.9	40.9	20.7
Pana (SCN)	46.6	16	3.8	2.3	41	12.7	2.3	37.3	21.1
Macon (L)	49.7	3	2.1	1.6	32	15.5	1.6	39.3	20.2
Apex	45.8	18	3.4	1.3	22	13.5	2.0	37.3	20.8
IA3017	45.5	20	-2.6	1.6	30	14.1	2.1	40.5	19.6
IA3018	49.6	4	1.0	1.8	33	14.0	1.8	38.3	21.7
IA3019	49.3	5	0.4	1.7	30	13.8	1.7	37.8	21.9
IA3020	48.6	9	1.3	1.4	33	14.1	1.7	38.6	21.5
E00001	44.3	25	-3.7	1.9	32	12.6	2.0	39.3	21.1
E00003	46.7	14	-3.8	1.9	33	13.8	1.9	40.6	21.1
E00075	44.8	22	-2.6	1.7	33	12.9	1.9	40.0	20.6
E00290	46.7	14	-2.7	1.6	32	14.0	2.7	41.3	20.3
HF00-072	44.5	23	-4.7	1.8	35	12.6	2.3	39.1	21.3
HC94-421BC	44.4	24	0.3	1.5	22	14.2	1.7	40.4	20.7
HC99-2846	50.2	1	4.6	1.6	32	13.0	1.7	40.9	20.6
HS0-3246	47.1	13	2.9	1.6	30	12.9	1.7	39.5	20.4
HS0-3248	46.5	17	4.6	1.6	31	13.8	1.9	40.4	19.9
HS0-3251	45.6	19	5.5	1.5	30	12.8	1.6	39.8	20.2
K1547	48.7	7	3.5	1.3	27	14.2	1.7	38.6	21.5
K1548	48.7	7	4.3	1.5	31	15.2	1.7	40.1	19.9
K1560	48.5	11	1.9	1.8	30	16.0	2.0	39.3	20.6
K1562	42.8	26	5.3	1.8	34	13.2	1.7	38.5	20.5
LDX98152-32	49.2	6	5.1	1.7	32	13.6	1.9	41.4	19.0
LS99-2516	40.3	27	4.8	1.8	30	13.7	1.9	39.5	20.4
U99-005032	48.0	12	-2.9	1.3	29	12.9	1.7	40.2	20.4
U99-035014	48.6	9	-3.9	1.9	33	15.2	1.8	40.9	20.1

123.7 Days After Planting

UNIFORM TEST III, 2003

2002-2003 2-YEAR MEAN

Strain	Yield bu/a	Rank No.	Maturity Date	Lodging Score	Plant Height In.	Seed Size g/100	Seed Quality Score	Composition Protein %	Composition Oil %
No. of Tests	37	37	34	38	36	37	25	10	10
A99-315026	51.7	1	9/22	1.4	29	14.7	1.8	38.9	19.9
IA2052 (II)	44.4	6	-7.7	1.5	31	13.9	2.1	40.8	19.9
Macon (L)	49.7	3	3.2	1.5	31	16.1	1.8	40.4	19.9
Apex	48.5	5	2.4	1.2	21	14.4	2.2	38.2	20.7
U99-005032	49.3	4	-2.5	1.3	29	13.7	1.9	40.5	20.1
U99-035014	50.0	2	-4.0	1.7	32	15.9	2.1	40.8	19.9

124.9 Days After Planting

UNIFORM TEST III, 2003

YIELD (bu/a)

Strain	Mean 18 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Middle-town DE	Ames IA	Atlantic IA	Newton IL
A99-315026	50.2	44.5	31.4	37.6	29.5	55.2	53.8	62.9
IA2052 (II)	45.2	36.7	22.1	18.7	37.9	50.1	63.6	55.3
Pana (SCN)	46.6	44.2	56.1	47.9	43.0	43.9	37.5	59.4
Macon (L)	49.7	31.1	40.7	46.5	43.6	47.9	47.5	55.6
Apex	45.8	52.9	24.1	16.1	36.7	46.1	44.8	57.9
IA3017	45.5	30.6	43.4	48.1	50.1	46.9	43.8	51.5
IA3018	49.6	14.7	52.6	44.1	26.1	51.8	53.5	56.0
IA3019	49.3	34.3	38.5	42.4	41.4	55.1	53.3	56.2
IA3020	48.6	33.7	56.6	38.8	47.1	48.3	53.4	56.1
E00001	44.3	41.0	25.0	33.7	36.7	43.8	47.3	55.5
E00003	46.7	24.0	32.4	32.2	39.1	50.8	53.9	52.7
E00075	44.8	29.3	25.4	35.6	31.4	48.1	53.4	51.4
E00290	46.7	19.0	27.1	35.4	42.2	56.2	54.6	57.4
HF00-072	44.5	24.2	42.5	63.0	42.8	49.9	52.7	55.0
HC94-421BC	44.4	28.8	19.3	15.9	41.3	43.0	38.1	51.5
HC99-2846	50.2	29.6	72.1	61.5	45.2	47.3	47.4	57.3
HS0-3246	47.1	32.6	45.3	36.1	39.3	50.3	58.4	55.7
HS0-3248	46.5	52.4	39.5	44.4	43.0	46.1	51.5	54.2
HS0-3251	45.6	22.5	53.7	38.7	49.1	43.0	54.7	47.4
K1547	48.7	19.8	54.9	34.8	43.0	50.1	58.7	57.8
K1548	48.7	34.6	36.0	47.7	47.9	44.1	50.5	54.1
K1560	48.5	31.6	41.1	35.8	40.6	50.4	57.8	54.6
K1562	42.8	31.2	48.3	41.1	36.7	42.3	43.9	52.1
LDX98152-32	49.2	13.1	52.7	42.4	49.2	46.2	45.0	57.6
LS99-2516	40.3	27.1	55.4	36.9	25.6	38.1	48.5	47.9
U99-005032	48.0	54.0	46.2	34.7	53.6	46.7	50.1	53.9
U99-035014	48.6	30.0	34.2	42.6	49.5	46.8	56.0	55.0
C.V. (%)		23.3	16.9	16.3	9.0	7.3	10.6	7.2
L.S.D. (5%)		19.0	12.8	11.0	6.3	7.2	11.1	6.4
Row Sp. (in.)		7.0	7.0	6.5	15	27	27	30
Rows/Plot		9	9	9	5	4	4	4
Reps		2	3	3	3	2	2	3

*Data not included in mean.

UNIFORM TEST III, 2003

YIELD (bu/a)

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Manahattan KS	Queenstown MD	Kingdom City MO
A99-315026	51.3	43.8	36.7	43.2	33.9	35.8	39.9
IA2052 (II)	51.6	36.4	35.7	30.2	27.8	33.5	25.0
Pana (SCN)	54.0	47.8	49.6	32.9	30.8	34.3	36.8
Macon (L)	48.8	42.3	40.2	38.0	36.3	39.4	44.0
Apex	47.4	44.7	41.4	40.8	39.3	39.0	41.9
IA3017	51.4	43.0	38.2	35.5	23.1	39.3	26.7
IA3018	55.9	49.2	41.3	34.6	28.4	43.8	40.5
IA3019	50.9	43.4	39.5	41.4	36.5	39.8	36.7
IA3020	51.8	46.0	40.1	35.9	33.8	39.4	35.6
E00001	51.0	44.3	39.4	31.0	33.5	33.7	31.9
E00003	51.3	43.5	39.0	37.7	38.8	32.1	31.7
E00075	51.3	38.2	40.1	35.4	34.4	30.0	30.2
E00290	53.8	41.6	41.9	32.6	26.5	32.1	31.9
HF00-072	43.6	39.9	36.7	31.9	16.8	34.8	27.2
HC94-421BC	46.1	38.1	36.8	37.8	37.5	38.7	39.8
HC99-2846	56.3	46.6	49.7	37.1	39.1	38.7	40.8
HS0-3246	51.5	43.4	34.8	35.8	34.1	34.5	32.2
HS0-3248	51.7	44.7	46.2	30.7	35.7	36.5	41.7
HS0-3251	50.9	41.4	40.8	29.4	31.1	41.8	38.9
K1547	53.2	37.7	39.9	35.7	43.8	36.7	38.4
K1548	48.3	42.1	42.7	37.6	42.6	38.8	43.5
K1560	51.7	43.5	39.5	30.7	32.0	39.9	33.5
K1562	43.6	39.5	40.4	36.5	32.7	35.7	33.5
LDX98152-32	50.1	50.9	45.6	34.5	34.5	42.2	37.7
LS99-2516	46.7	41.1	41.6	23.8	29.6	31.8	37.8
U99-005032	50.3	41.0	33.9	37.4	33.0	39.1	27.5
U99-035014	53.0	42.9	35.7	37.4	38.0	41.6	27.5
C.V. (%)	6.6	8.0	11.8	8.3	9.6	10.6	8.2
L.S.D. (5%)	5.5	5.6	7.9	4.4	4.9	6.4	4.0
Row Sp. (in.)	30	24	26	30	30	24	30
Rows/Plot	4	4	4	4	4	4	4
Reps	3	3	3	3	3	3	3

UNIFORM TEST III, 2003

YIELD (bu/a)

Strain	Portageville (Loam) MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	Wooster OH	So. Charleston OH
A99-315026	54.9	57.3	63.3	61.7	63.5	66.6	50.1
IA2052 (II)	43.5	44.5	57.4	55.5	55.6	66.9	42.3
Pana (SCN)	52.4	45.2	49.0	54.6	49.2	71.6	47.0
Macon (L)	62.7	52.0	54.4	55.3	63.0	75.9	48.0
Apex	40.3	50.9	51.4	48.5	56.3	51.6	45.6
IA3017	55.4	48.1	54.8	52.0	50.2	69.0	40.9
IA3018	59.4	51.4	65.2	55.5	58.4	74.3	47.5
IA3019	54.5	54.3	50.6	51.9	54.7	75.2	52.5
IA3020	56.0	49.0	51.0	54.4	59.6	74.0	42.5
E00001	41.9	44.4	52.4	42.0	49.6	74.6	44.0
E00003	41.0	50.0	52.2	49.7	63.8	68.3	45.7
E00075	39.5	48.2	50.4	54.5	58.5	63.9	47.5
E00290	46.8	48.6	52.1	52.3	51.9	69.1	49.8
HF00-072	53.3	41.3	51.9	57.6	55.6	68.7	41.4
HC94-421BC	39.7	45.0	47.3	42.7	55.5	77.9	42.3
HC99-2846	64.0	52.0	50.9	54.0	62.5	68.5	46.2
HS0-3246	49.5	49.1	53.1	51.8	60.3	68.7	45.2
HS0-3248	42.6	47.4	46.5	43.4	54.8	68.7	51.9
HS0-3251	43.4	50.2	44.9	49.1	56.6	67.3	41.0
K1547	50.2	50.0	55.0	54.0	59.1	70.4	43.0
K1548	55.6	48.8	49.0	51.5	63.9	75.3	41.1
K1560	45.6	52.8	52.2	56.1	63.2	79.8	48.4
K1562	41.6	46.3	48.3	45.5	49.3	61.9	40.1
LDX98152-32	61.4	53.1	52.2	51.0	57.4	74.3	42.7
LS99-2516	37.4	40.7	33.0	47.2	45.3	67.1	42.0
U99-005032	57.5	47.8	57.2	55.2	50.4	77.6	52.2
U99-035014	51.1	49.5	56.5	52.4	61.2	77.3	42.9
C.V. (%)	9.0	8.4	11.1	7.0	11.6	7.2	10.3
L.S.D. (5%)	6.0	8.4	11.9	7.0	8.9	7.0	8.1
Row Sp. (in.)	30	30	30	30	7.5	8	15
Rows/Plot	4	4	4	4	8	8	6
Reps	3	2	2	2	3	3	3

UNIFORM TEST III, 2003

YIELD RANK

Strain	Yield Rank	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Middle-town DE	Ames IA	Atlantic IA	Newton IL
A99-315026	1	4	21	15	25	2	9	1
IA2052 (II)	21	7	26	25	20	8	1	14
Pana (SCN)	16	5	3	4	10	22	27	2
Macon (L)	3	14	15	6	9	13	19	12
Apex	18	2	25	26	21	19	23	3
IA3017	20	15	12	3	2	15	25	23
IA3018	4	26	8	8	26	4	10	10
IA3019	5	9	17	10	15	3	13	8
IA3020	9	10	2	13	7	11	11	9
E00001	25	6	24	23	21	23	21	13
E00003	14	22	20	24	19	5	8	21
E00075	22	18	23	19	24	12	11	25
E00290	14	25	22	20	14	1	7	6
HF00-072	23	21	13	1	13	10	14	16
HC94-421BC	24	19	27	27	16	24	26	24
HC99-2846	1	17	1	2	8	14	20	7
HS0-3246	13	11	11	17	18	7	3	11
HS0-3248	17	3	16	7	10	19	15	18
HS0-3251	19	23	6	14	5	24	6	27
K1547	7	24	5	21	10	8	2	4
K1548	7	8	18	5	6	21	16	19
K1560	11	12	14	18	17	6	4	17
K1562	26	13	9	12	21	26	24	22
LDX98152-32	6	27	7	11	4	18	22	5
LS99-2516	27	20	4	16	27	27	18	26
U99-005032	12	1	10	22	1	17	17	20
U99-035014	9	16	19	9	3	16	5	16

*Data not included in mean.

UNIFORM TEST III, 2003

YIELD RANK

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Manahattan KS	Queenstown MD	Kingdom City MO
A99-315026	15	9	22	1	14	17	7
IA2052 (II)	10	27	24	25	24	23	27
Pana (SCN)	3	3	2	19	21	21	13
Macon (L)	21	16	12	4	9	7	1
Apex	23	6	8	3	3	11	3
IA3017	12	14	20	15	26	9	26
IA3018	2	2	9	17	23	1	6
IA3019	18	12	16	2	8	6	14
IA3020	7	5	13	12	15	7	15
E00001	16	8	18	22	16	22	19
E00003	15	10	19	6	5	24	21
E00075	13	24	13	16	12	27	22
E00290	4	18	6	20	25	24	19
HF00-072	27	22	22	21	27	19	25
HC94-421BC	25	25	21	5	7	13	8
HC99-2846	1	4	1	10	4	13	5
HS0-3246	11	12	26	13	13	20	18
HS0-3248	9	6	3	23	10	16	4
HS0-3251	17	19	10	26	20	3	9
K1547	5	26	15	14	1	15	10
K1548	22	17	5	7	2	12	2
K1560	8	10	16	23	19	5	16
K1562	27	23	11	11	18	18	16
LDX98152-32	20	1	4	18	11	2	12
LS99-2516	24	20	7	27	22	26	11
U99-005032	19	21	27	8	17	10	23
U99-035014	6	15	24	8	6	4	23

UNIFORM TEST III, 2003

YIELD RANK

Strain	Portageville (Loam) MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	Wooster OH	So. Charleston OH
A99-315026	9	1	2	1	3	24	4
IA2052 (II)	18	24	3	5	16	23	20
Pana (SCN)	12	22	22	8	26	12	10
Macon (L)	2	5	8	6	5	5	7
Apex	24	8	16	22	15	27	13
IA3017	8	18	7	15	23	15	26
IA3018	4	7	1	4	12	9	8
IA3019	10	2	19	16	20	7	1
IA3020	6	14	17	10	9	11	19
E00001	21	25	10	27	24	8	15
E00003	23	11	13	20	2	20	12
E00075	26	17	20	9	11	25	8
E00290	16	16	14	14	21	14	5
HF00-072	11	26	15	2	16	16	23
HC94-421BC	25	23	24	26	18	2	20
HC99-2846	1	5	18	12	6	19	11
HS0-3246	15	13	9	17	8	16	14
HS0-3248	20	20	25	25	19	16	3
HS0-3251	19	9	26	21	14	21	25
K1547	14	10	6	11	10	13	16
K1548	7	15	21	18	1	6	24
K1560	17	4	11	3	4	1	6
K1562	22	21	23	24	25	26	27
LDX98152-32	3	3	12	19	13	9	18
LS99-2516	27	27	27	23	27	22	22
U99-005032	5	19	4	7	22	3	2
U99-035014	13	12	5	13	7	4	17

UNIFORM TEST III, 2003

MATURITY (date)

Strain	Mean 17 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Middle-town DE	Ames IA	Atlantic IA	Newton IL
A99-315026	9/24		8/10	8/4	10/4	9/25		9/21
IA2052 (II)	-7.4		-5	-3	-8	-9		-6
Pana (SCN)	3.8		8	2	1	9		3
Macon (L)	2.1		4	5	2	1		3
Apex	3.4		4	-3	3	7		4
IA3017	-2.6		4	1	-7	-2		-3
IA3018	1.0		6	3	3	1		0
IA3019	0.4		8	7	2	2		-2
IA3020	1.3		6	4	2	2		-2
E00001	-3.7		0	-1	-1	-7		-4
E00003	-3.8		6	-1	-2	-5		-4
E00075	-2.6		2	1	-6	-6		-5
E00290	-2.7		0	0	-2	-5		-3
HF00-072	-4.7		6	1	-3	-5		-6
HC94-421BC	0.3		-2	-4	0	2		1
HC99-2846	4.6		13	8	3	4		4
HS0-3246	2.9		13	6	3	4		1
HS0-3248	4.6		13	5	4	3		4
HS0-3251	5.5		9	5	6	3		5
K1547	3.5		11	0	3	3		5
K1548	4.3		13	6	5	3		2
K1560	1.9		9	1	1	1		-2
K1562	5.3		13	6	6	6		4
LDX98152-32	5.1		6	4	4	8		4
LS99-2516	4.8		13	6	5	3		4
U99-005032	-2.9		2	1	0	-2		-5
U99-035014	-3.9		1	0	-6	-7		-7
Date Planted	5/23	4/21	4/15	4/15	6/17	5/20	5/26	5/28
Days to Mature	124		117	111	109	128		116

*Data not included in mean.

UNIFORM TEST III, 2003

MATURITY (date)

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Manahattan KS	Queenstown MD	Kingdom City MO
A99-315026	9/12	9/19	9/28	9/25	9/30	10/7	10/3
IA2052 (II)	-10	-6	-9	-10	-9	-6	-8
Pana (SCN)	4	9	8	-3	2	2	0
Macon (L)	1	4	6	2	8	2	-8
Apex	7	7	8	2	7	1	-4
IA3017	-5	0	-3	-7	-5	0	2
IA3018	1	3	1	-4	-1	3	1
IA3019	0	3	2	0	2	1	-4
IA3020	1	5	3	-0	4	1	-1
E00001	-5	-3	-7	-9	-3	-1	0
E00003	-5	-3	-7	-9	-3	2	2
E00075	-5	-4	-3	-4	1	1	3
E00290	-4	1	0	-6	-4	0	-3
HF00-072	-10	-3	-4	-9	-9	-1	-6
HC94-421BC	0	3	2	2	4	0	-2
HC99-2846	10	9	10	1	6	3	-4
HS0-3246	5	7	7	-1	4	3	-2
HS0-3248	8	7	9	0	8	4	0
HS0-3251	10	9	10	1	8	5	0
K1547	6	4	5	0	11	2	-1
K1548	7	6	9	3	8	5	-1
K1560	5	4	0	-1	8	4	-4
K1562	7	9	8	2	12	6	-1
LDX98152-32	6	9	10	-1	6	3	-2
LS99-2516	8	9	10	1	7	4	-2
U99-005032	-5	-2	-4	-5	-2	1	-5
U99-035014	-5	-2	-4	-5	-2	-1	-7
Date Planted	4/30	5/24	5/23	6/16	5/28	6/30	5/28
Days to Mature	135	118	128	101	125	99	128

UNIFORM TEST III, 2003

MATURITY (date)

Strain	Portageville (Loam) MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	Wooster OH	So. Charleston OH
A99-315026	9/21	9/19	9/17	10/2	9/22	9/21	9/22
IA2052 (II)	-6	-4	-9	-9	-4	-6	-7
Pana (SCN)	5	2	0	4	6	6	6
Macon (L)	3	-3	4	2	3	2	4
Apex	-4	-7	7	3	6	5	5
IA3017	-4	3	-6	-5	0	0	-2
IA3018	-1	0	1	2	4	1	3
IA3019	1	-5	1	0	2	0	1
IA3020	-2	1	2	-1	2	2	3
E00001	-4	2	-6	-8	-1	-2	-4
E00003	-4	-8	-7	-7	-1	-2	-3
E00075	-4	2	-4	-2	-1	-3	-5
E00290	-4	-7	-3	-6	1	0	-2
HF00-072	-4	-2	-8	-5	-1	-2	-3
HC94-421BC	-4	-2	1	-1	1	0	-2
HC99-2846	3	-1	5	5	9	6	6
HS0-3246	-4	1	4	4	6	5	3
HS0-3248	0	-3	6	5	9	9	6
HS0-3251	-1	2	7	6	8	10	5
K1547	-3	3	6	2	6	4	4
K1548	2	-4	5	4	8	6	5
K1560	-1	2	3	2	5	3	4
K1562	4	-2	5	5	5	8	6
LDX98152-32	-3	3	5	3	12	11	8
LS99-2516	-4	3	7	5	9	8	6
U99-005032	-5	-3	-3	-5	-1	-1	-3
U99-035014	-5	2	-4	-5	-2	-3	-3
Date Planted	5/23	5/24	5/16	6/4	4/30	5/1	4/28
Days to Mature	121	118	124	120	145	143	147

UNIFORM TEST III, 2003

LODGING (score)

Strain	Mean 18 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Middle-town DE	Ames IA	Atlantic IA	Newton IL
A99-315026	1.5	1.0	1.0	1.0	2.0	2.0	2.0	2.5
IA2052 (II)	1.6	1.0	1.0	1.0	2.0	2.8	1.5	2.7
Pana (SCN)	2.3	1.0	1.0	1.0	2.0	3.8	2.3	4.0
Macon (L)	1.6	1.0	1.0	1.0	2.0	2.3	1.8	3.5
Apex	1.3	1.0	1.0	1.0	1.0	1.8	2.0	2.2
IA3017	1.6	1.0	1.0	1.0	3.0	2.0	2.0	2.5
IA3018	1.8	1.0	1.0	1.0	2.0	3.0	2.0	3.3
IA3019	1.7	1.0	1.0	1.0	2.0	3.5	1.5	3.3
IA3020	1.4	1.0	1.0	1.0	1.0	1.8	1.5	2.7
E00001	1.9	1.0	1.0	1.0	2.0	3.0	2.3	3.7
E00003	1.9	1.0	1.0	1.0	2.0	2.5	2.0	3.5
E00075	1.7	1.0	1.0	1.0	2.0	2.0	1.5	3.5
E00290	1.6	1.0	1.0	1.0	2.0	2.5	1.5	3.3
HF00-072	1.8	1.0	1.0	1.0	3.0	3.0	1.5	3.3
HC94-421BC	1.5	1.0	1.0	1.0	1.0	2.0	3.8	3.2
HC99-2846	1.6	1.0	1.0	1.0	2.0	2.3	1.8	2.8
HS0-3246	1.6	1.0	1.0	1.0	2.0	2.8	1.5	3.8
HS0-3248	1.6	1.0	1.0	1.0	2.0	2.8	1.8	3.5
HS0-3251	1.5	1.0	1.0	1.0	2.0	2.3	1.5	2.7
K1547	1.3	1.0	1.0	1.0	2.0	2.0	1.5	1.8
K1548	1.5	1.0	1.0	1.0	2.0	2.0	1.8	1.8
K1560	1.8	1.0	1.0	1.0	3.0	2.5	2.0	3.5
K1562	1.8	1.0	1.0	1.0	2.0	2.3	2.3	3.7
LDX98152-32	1.7	1.0	1.0	1.0	1.0	3.3	1.5	3.5
LS99-2516	1.8	1.0	1.0	1.0	2.0	2.3	2.0	4.2
U99-005032	1.3	1.0	1.0	1.0	1.0	2.0	1.5	2.3
U99-035014	1.9	1.0	1.0	1.0	3.0	2.8	1.8	3.2

*Data not included in mean.

UNIFORM TEST III, 2003

LODGING (score)

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Manahattan KS	Queenstown MD	Kingdom City MO
A99-315026	1.0	1.0	1.0	1.0	1.0	2.7	1.0
IA2052 (II)	1.0	1.5	1.0	1.0	1.0	3.0	1.0
Pana (SCN)	2.3	2.0	1.5	2.0	1.3	3.2	1.0
Macon (L)	1.2	1.0	1.0	1.0	1.0	2.7	1.0
Apex	1.0	1.0	1.0	1.0	1.0	1.2	1.0
IA3017	1.0	1.2	1.0	1.0	1.0	2.8	1.0
IA3018	1.2	1.2	1.0	1.7	1.0	2.7	1.0
IA3019	1.0	1.0	1.0	1.0	1.0	2.3	1.0
IA3020	1.0	1.0	1.0	1.0	1.0	2.0	1.0
E00001	1.3	1.2	1.0	2.0	1.0	3.0	1.0
E00003	1.0	1.7	1.0	2.3	1.0	3.2	1.0
E00075	1.2	1.2	1.0	1.3	1.0	3.5	1.0
E00290	1.0	1.0	1.0	1.0	1.0	3.3	1.0
HF00-072	1.2	1.3	1.0	1.0	1.0	3.0	1.0
HC94-421BC	1.0	1.2	1.0	1.0	1.0	1.8	1.0
HC99-2846	1.0	1.0	1.0	1.0	1.0	2.5	1.0
HS0-3246	1.0	1.0	1.0	1.0	1.0	2.3	1.0
HS0-3248	1.0	1.0	1.0	1.0	1.0	2.7	1.0
HS0-3251	1.0	1.0	1.0	1.0	1.0	2.7	1.0
K1547	1.0	1.0	1.0	1.0	1.0	2.2	1.0
K1548	1.0	1.0	1.0	1.0	1.0	2.2	1.0
K1560	1.0	1.0	1.0	1.0	1.0	2.8	1.0
K1562	1.2	1.2	1.0	1.0	1.3	2.5	1.0
LDX98152-32	1.0	1.0	1.0	1.0	1.0	2.3	1.0
LS99-2516	1.0	1.0	1.0	1.0	1.0	2.7	1.0
U99-005032	1.0	1.0	1.0	1.0	1.0	2.2	1.0
U99-035014	1.2	1.5	1.0	1.3	1.0	3.2	1.0

UNIFORM TEST III, 2003

LODGING (score)

Strain	Portageville (Loam) MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	Wooster OH	So. Charleston OH
A99-315026	1.0	1.0	1.0	2.0	1.5	1.4	2.0
IA2052 (II)	1.5	1.0	1.0	2.0	1.5	1.6	2.0
Pana (SCN)	2.0	1.5	1.0	3.0	1.8	2.8	3.7
Macon (L)	1.5	1.5	1.0	2.3	1.3	1.6	1.8
Apex	1.0	1.5	1.0	1.0	1.3	1.3	1.5
IA3017	1.0	1.0	1.0	2.0	1.3	1.5	2.0
IA3018	1.5	1.5	1.0	2.0	1.5	2.1	2.8
IA3019	1.5	2.0	1.0	2.0	1.4	1.5	1.9
IA3020	1.0	1.0	1.0	2.5	1.4	1.3	2.2
E00001	1.5	1.0	1.0	3.0	1.3	1.8	3.2
E00003	2.0	1.5	1.0	2.7	1.7	1.6	2.9
E00075	1.5	1.5	1.0	2.0	1.4	1.8	1.7
E00290	1.0	1.0	1.0	2.0	1.4	1.7	1.9
HF00-072	1.5	1.0	1.0	2.0	1.9	1.9	2.9
HC94-421BC	1.0	1.0	1.0	1.5	1.3	1.7	2.2
HC99-2846	1.5	1.0	1.0	2.5	1.4	1.8	1.6
HS0-3246	1.0	1.0	1.0	2.0	1.3	1.4	2.1
HS0-3248	1.5	1.0	1.0	2.0	1.3	1.8	1.8
HS0-3251	1.5	1.5	1.0	2.0	1.3	1.4	1.6
K1547	1.5	1.0	1.0	1.0	1.3	1.5	1.3
K1548	1.5	1.0	1.0	2.0	1.4	1.9	1.5
K1560	1.5	1.5	1.0	2.5	1.5	2.2	2.8
K1562	1.5	2.0	1.0	2.0	1.4	2.5	1.8
LDX98152-32	1.0	1.0	1.0	2.0	1.8	2.7	3.3
LS99-2516	1.5	2.0	1.0	2.0	1.4	2.2	3.0
U99-005032	1.0	1.0	1.0	1.0	1.4	1.3	1.5
U99-035014	1.5	1.0	1.0	2.0	1.7	2.0	3.1

UNIFORM TEST III, 2003

PLANT HEIGHT (inches)

Strain	Mean 16 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Middle-town DE	Ames IA	Atlantic IA	Newton IL
A99-315026	30	17	15	14	21	40	37	33
IA2052 (II)	32	15	16	13	28	41	41	36
Pana (SCN)	41	23	22	20	34	53	50	41
Macon (L)	32	18	19	18	28	40	36	35
Apex	22	8	13	9	16	24	30	24
IA3017	30	17	20	15	28	39	35	31
IA3018	33	14	21	18	24	44	42	35
IA3019	30	17	19	17	25	38	36	31
IA3020	33	17	22	18	29	40	39	34
E00001	32	13	17	12	28	38	39	37
E00003	33	15	19	17	29	43	42	37
E00075	33	21	19	15	29	42	42	36
E00290	32	19	16	14	23	43	41	37
HF00-072	35	15	20	19	29	46	43	38
HC94-421BC	22	8	12	9	15	25	29	25
HC99-2846	32	20	23	21	26	40	38	34
HS0-3246	30	17	21	18	24	38	38	32
HS0-3248	31	19	22	19	27	39	38	32
HS0-3251	30	19	22	17	28	38	35	30
K1547	27	17	19	16	23	37	31	31
K1548	31	19	20	16	25	39	37	36
K1560	30	15	17	17	24	41	40	33
K1562	34	25	23	20	30	43	43	36
LDX98152-32	32	16	21	17	25	41	37	34
LS99-2516	30	20	20	18	24	35	37	34
U99-005032	29	16	20	15	27	35	35	33
U99-035014	33	16	19	19	30	43	41	36

*Data not included in mean.

UNIFORM TEST III, 2003

PLANT HEIGHT (inches)

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Manahattan KS	Queenstown MD	Kingdom City MO
A99-315026	32	30	28	35	28	21	25
IA2052 (II)	32	32	28	39	33	22	29
Pana (SCN)	42	42	40	45	36	31	38
Macon (L)	32	32	29	36	29	24	27
Apex	19	24	24	22	20	16	24
IA3017	30	30	27	33	26	22	26
IA3018	33	34	29	38	29	26	28
IA3019	32	32	29	36	28	22	26
IA3020	33	29	27	38	31	25	29
E00001	33	32	31	36	31	20	30
E00003	31	34	31	40	32	23	29
E00075	35	32	31	40	31	25	28
E00290	34	33	31	40	31	23	27
HF00-072	35	36	33	40	31	23	31
HC94-421BC	22	23	25	25	19	15	23
HC99-2846	34	31	28	38	28	24	26
HS0-3246	33	29	25	37	24	23	25
HS0-3248	30	31	28	34	25	21	29
HS0-3251	32	28	27	36	26	23	28
K1547	30	28	24	29	22	21	20
K1548	35	32	28	34	26	22	26
K1560	31	28	25	33	26	22	25
K1562	36	33	31	38	33	26	29
LDX98152-32	33	33	27	35	26	24	27
LS99-2516	31	31	27	32	26	23	25
U99-005032	31	30	25	33	27	23	26
U99-035014	35	33	29	39	29	26	26

UNIFORM TEST III, 2003

PLANT HEIGHT (inches)

Strain	Portageville (Loam) MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	Wooster OH	So. Charleston OH
A99-315026	29	29			31	29	33
IA2052 (II)	29	30			32	34	32
Pana (SCN)	43	39			38	39	43
Macon (L)	32	26			34	32	35
Apex	14	23			23	19	24
IA3017	29	26			30	32	32
IA3018	33	32			33	35	36
IA3019	29	28			31	31	31
IA3020	33	29			34	34	37
E00001	28	33			29	34	35
E00003	29	33			33	32	36
E00075	32	30			33	33	33
E00290	28	28			32	34	34
HF00-072	31	32			35	36	40
HC94-421BC	13	22			23	24	23
HC99-2846	31	33			36	31	36
HS0-3246	29	29			34	28	33
HS0-3248	32	27			33	30	34
HS0-3251	28	29			33	28	31
K1547	28	22			30	31	30
K1548	31	28			33	33	35
K1560	28	29			32	31	36
K1562	30	34			34	34	36
LDX98152-32	29	29			35	36	36
LS99-2516	27	28			30	30	35
U99-005032	32	24			30	29	32
U99-035014	29	33			33	37	36

UNIFORM TEST III, 2003

SEED SIZE (g/100)

Strain	Mean 17 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Middle-town DE	Ames IA	Atlantic IA	Newton IL
A99-315026	13.9					13.5	13.3	13.1
IA2052 (II)	12.9					12.5	13.3	12.3
Pana (SCN)	12.7					11.9	10.7	11.9
Macon (L)	15.5					15.4	13.6	14.7
Apex	13.5					13.1	11.5	12.3
IA3017	14.1					14.4	12.6	13.1
IA3018	14.0					14.3	12.8	13.0
IA3019	13.8					13.9	12.5	13.0
IA3020	14.1					13.3	13.0	13.0
E00001	12.6					12.0	11.8	12.4
E00003	13.8					13.1	12.6	13.0
E00075	12.9					12.8	12.4	12.0
E00290	14.0					13.8	12.9	14.0
HF00-072	12.6					12.6	11.9	11.8
HC94-421BC	14.2					14.6	11.9	12.8
HC99-2846	13.0					12.5	11.7	12.3
HS0-3246	12.9					13.2	12.3	11.8
HS0-3248	13.8					13.3	12.3	13.0
HS0-3251	12.8					12.1	11.7	11.5
K1547	14.2					13.6	13.6	14.3
K1548	15.2					14.2	13.5	14.3
K1560	16.0					16.1	15.7	15.0
K1562	13.2					13.0	11.7	13.1
LDX98152-32	13.6					12.9	11.3	12.8
LS99-2516	13.7					13.0	12.4	13.9
U99-005032	12.9					12.8	11.2	12.2
U99-035014	15.2					14.8	14.0	14.8

*Data not included in mean.

UNIFORM TEST III, 2003

SEED SIZE (g/100)

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Manahattan KS	Queenstown MD	Kingdom City MO
A99-315026	12.6	13.5	14.3	12.1	13.2	13.2	13.0
IA2052 (II)	13.6	12.5	10.9	11.3	11.9	13.0	12.0
Pana (SCN)	11.5	13.1	13.8	10.8	13.7	12.7	13.0
Macon (L)	13.9	14.9	17.5	13.7	16.4	14.9	16.0
Apex	13.4	13.5	13.5	13.1	16.2	13.0	15.0
IA3017	12.1	13.2	15.2	11.8	13.5	13.6	13.0
IA3018	12.6	13.4	14.7	12.4	16.2	13.7	14.0
IA3019	11.4	13.1	15.1	11.6	14.7	13.9	14.0
IA3020	13.3	12.7	14.3	11.5	15.5	13.9	14.0
E00001	12.2	12.0	13.1	11.4	13.7	11.9	12.0
E00003	13.0	13.8	12.3	11.7	14.4	13.3	15.0
E00075	12.6	11.9	12.7	10.5	13.8	11.9	12.0
E00290	14.2	13.7	14.6	11.7	13.1	12.8	13.0
HF00-072	11.6	10.6	13.3	11.0	12.8	13.2	11.0
HC94-421BC	14.0	13.6	15.0	13.9	13.6	13.4	15.0
HC99-2846	12.7	13.9	13.7	11.6	14.9	12.8	14.0
HS0-3246	12.8	12.8	13.8	10.7	13.6	12.4	12.0
HS0-3248	13.3	13.3	14.8	12.5	15.6	13.6	15.0
HS0-3251	12.1	12.8	13.0	11.4	13.7	13.6	12.0
K1547	13.8	13.8	14.8	12.1	15.9	14.1	14.0
K1548	13.6	17.1	15.6	15.0	17.6	15.0	17.0
K1560	14.7	16.6	16.2	12.4	17.0	16.3	15.0
K1562	12.1	13.5	14.1	11.8	14.4	13.6	13.0
LDX98152-32	12.0	13.8	14.8	11.4	15.9	13.3	15.0
LS99-2516	12.4	15.0	14.7	11.3	15.0	13.5	13.0
U99-005032	11.9	12.0	13.0	11.5	13.0	13.3	13.0
U99-035014	14.5	13.7	15.7	13.5	17.1	14.4	14.0

UNIFORM TEST III, 2003

SEED SIZE (g/100)

Strain	Portageville (Loam) MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	Wooster OH	So. Charleston OH
A99-315026	15.7	16.2	16.6	13.2	13.4	15.1	14.3
IA2052 (II)	14.0	14.6	16.5	12.6	13.0	13.7	12.4
Pana (SCN)	15.2	13.2	12.6	12.1	11.4	14.2	13.9
Macon (L)	15.9	15.6	16.0	15.4	14.6	17.8	17.6
Apex	13.2	13.6	15.2	11.4	13.0	14.8	14.5
IA3017	16.9	16.8	16.6	13.3	12.7	15.1	15.1
IA3018	15.6	15.2	16.1	13.8	11.9	14.4	14.3
IA3019	15.3	14.8	14.7	13.0	12.7	15.4	14.8
IA3020	16.5	16.0	15.7	14.2	13.5	15.1	14.6
E00001	12.8	13.3	15.3	11.6	11.7	13.0	13.4
E00003	14.6	14.8	16.2	12.6	14.2	15.1	15.1
E00075	13.3	13.7	15.5	12.9	13.3	13.1	14.2
E00290	14.9	15.1	15.7	12.8	13.6	15.4	16.1
HF00-072	15.0	13.7	15.1	12.6	11.4	13.4	13.4
HC94-421BC	14.2	14.9	15.5	13.2	13.5	16.2	16.0
HC99-2846	13.2	12.7	13.1	12.5	12.4	14.3	13.6
HS0-3246	13.2	13.8	13.5	11.9	12.4	14.6	14.1
HS0-3248	13.7	13.9	14.0	12.4	13.1	15.2	15.2
HS0-3251	12.6	12.4	12.8	11.7	16.0	14.1	14.2
K1547	13.9	14.2	14.6	13.2	12.9	17.4	14.8
K1548	15.4	14.6	13.5	14.3	14.8	17.5	16.2
K1560	17.6	16.2	16.7	15.2	15.5	18.6	17.9
K1562	13.1	12.7	13.1	13.0	12.5	15.1	14.3
LDX98152-32	13.8	13.1	13.4	12.3	12.2	17.4	15.1
LS99-2516	14.3	13.4	13.6	13.2	13.0	17.0	15.1
U99-005032	14.8	14.5	14.7	12.1	11.5	14.2	13.8
U99-035014	17.0	17.9	17.8	14.6	13.3	15.1	15.6

UNIFORM TEST III, 2003

SEED QUALITY (score)

Strain	Mean 11 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Middle-town DE	Ames IA	Atlantic IA	Newton IL
A99-315026	1.6			2.3				1.5
IA2052 (II)	1.9			2.7				2.0
Pana (SCN)	2.3			3.7				2.0
Macon (L)	1.6			3.7				1.5
Apex	2.0			3.3				2.0
IA3017	2.1			3.0				2.0
IA3018	1.8			3.3				1.5
IA3019	1.7			4.0				2.0
IA3020	1.7			3.0				2.0
E00001	2.0			4.3				2.0
E00003	1.9			3.3				2.0
E00075	1.9			4.3				2.0
E00290	2.7			4.0				3.0
HF00-072	2.3			2.0				2.0
HC94-421BC	1.7			2.7				2.0
HC99-2846	1.7			1.0				1.5
HS0-3246	1.7			2.7				2.0
HS0-3248	1.9			2.7				2.0
HS0-3251	1.6			2.3				2.0
K1547	1.7			2.0				2.0
K1548	1.7			3.3				2.0
K1560	2.0			2.7				2.0
K1562	1.7			2.0				1.5
LDX98152-32	1.9			1.3				1.5
LS99-2516	1.9			2.3				2.0
U99-005032	1.7			2.7				1.5
U99-035014	1.8			3.3				2.0

*Data not included in mean.

UNIFORM TEST III, 2003

SEED QUALITY (score)

Strain	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Manahattan KS	Queenstown MD	Kingdom City MO
A99-315026	2.0	1.0	1.0	2.0	2.0	1.0	2.0
IA2052 (II)	2.0	1.0	1.0	2.0	3.0	1.2	2.0
Pana (SCN)	2.5	1.0	1.0	3.0	3.0	1.2	3.0
Macon (L)	1.5	1.0	1.0	2.0	2.0	1.0	2.0
Apex	2.0	1.0	1.0	2.0	3.0	1.0	2.0
IA3017	2.0	1.5	1.0	3.0	3.0	1.0	3.0
IA3018	2.0	1.0	1.0	2.0	3.0	1.0	2.0
IA3019	2.0	1.0	1.0	2.0	2.0	1.2	2.0
IA3020	2.0	1.0	1.0	2.0	2.0	1.0	2.0
E00001	2.0	1.0	1.0	3.0	2.0	1.0	3.0
E00003	2.0	1.0	1.0	2.0	2.0	1.0	3.0
E00075	1.5	1.0	1.0	3.0	2.0	1.0	3.0
E00290	2.5	3.0	3.0	3.0	3.0	1.3	4.0
HF00-072	2.0	1.0	1.0	4.0	4.0	1.0	3.0
HC94-421BC	2.0	1.0	1.0	2.0	2.0	1.0	2.0
HC99-2846	1.5	1.0	1.0	2.0	2.0	1.0	2.0
HS0-3246	2.0	1.0	1.0	2.0	2.0	1.0	2.0
HS0-3248	2.0	1.0	1.0	2.0	3.0	1.0	2.0
HS0-3251	2.0	1.0	1.0	2.0	2.0	1.0	1.0
K1547	2.0	1.0	1.0	2.0	2.0	1.0	2.0
K1548	2.0	1.0	1.0	2.0	2.0	1.0	2.0
K1560	2.5	2.0	1.0	3.0	2.0	1.0	2.0
K1562	2.0	1.0	1.0	2.0	2.0	1.0	2.0
LDX98152-32	1.5	1.0	1.0	2.0	3.0	1.0	2.0
LS99-2516	2.0	1.0	1.0	2.0	2.0	1.0	2.0
U99-005032	2.0	1.0	1.0	2.0	2.0	1.0	2.0
U99-035014	2.0	1.0	1.0	2.0	3.0	1.0	2.0

UNIFORM TEST III, 2003

SEED QUALITY (score)

Strain	Portageville (Loam) MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	Wooster OH	So. Charleston OH
A99-315026	2.0				1.5	1.5	
IA2052 (II)	4.0				1.6	1.4	
Pana (SCN)	4.0				1.9	2.3	
Macon (L)	2.0				1.8	1.8	
Apex	3.0				2.4	2.3	
IA3017	3.0				1.5	1.7	
IA3018	3.0				1.7	1.5	
IA3019	3.0				1.6	1.4	
IA3020	3.0				1.8	1.4	
E00001	4.0				1.8	1.6	
E00003	4.0				1.8	1.5	
E00075	3.0				1.5	1.5	
E00290	4.0				1.8	1.5	
HF00-072	4.0				1.8	1.5	
HC94-421BC	2.0				1.4	1.9	
HC99-2846	3.0				1.8	1.4	
HS0-3246	2.0				1.6	2.2	
HS0-3248	2.0				2.2	2.5	
HS0-3251	2.0				1.5	2.3	
K1547	3.0				1.8	1.4	
K1548	2.0				1.9	1.4	
K1560	3.0				1.9	2.0	
K1562	3.0				1.5	2.0	
LDX98152-32	3.0				1.9	2.5	
LS99-2516	3.0				2.8	2.0	
U99-005032	3.0				1.7	1.5	
U99-035014	3.0				1.6	1.6	

UNIFORM TEST III, 2003

PROTEIN (%)

Strain	Mean 5 Tests	Ames IA	Newton IL	Lafayette IN	Kingdom City MO	Hoytville OH
A99-315026	38.1	38.6	34.5	40.0	38.4	39.0
IA2052 (II)	40.9	40.3	42.4	43.0	38.3	40.5
Pana (SCN)	37.3	34.6	38.5	39.6	37.8	36.2
Macon (L)	39.3	39.5	41.1	40.5	38.3	37.0
Apex	37.3	35.8	37.6	38.3	37.8	36.7
IA3017	40.5	39.5	42.2	44.0	37.9	39.1
IA3018	38.3	38.0	40.7	39.8	36.1	36.8
IA3019	37.8	37.4	39.5	39.7	37.2	35.4
IA3020	38.6	37.3	40.2	40.0	37.9	37.5
E00001	39.3	38.5	40.2	41.3	39.4	37.2
E00003	40.6	38.6	41.7	42.1	40.1	40.6
E00075	40.0	38.6	41.6	42.7	37.9	39.1
E00290	41.3	40.3	42.6	44.0	38.3	41.2
HF00-072	39.1	37.0	41.3	42.6	37.3	37.4
HC94-421BC	40.4	40.3	41.2	41.6	39.6	39.3
HC99-2846	40.9	39.9	42.4	42.2	39.4	40.9
HS0-3246	39.5	37.5	41.0	40.6	38.8	39.5
HS0-3248	40.4	39.2	41.1	41.5	39.8	40.5
HS0-3251	39.8	38.2	41.8	40.8	40.0	38.4
K1547	38.6	38.6	40.2	40.7	36.8	36.5
K1548	40.1	39.1	41.4	40.9	40.4	38.6
K1560	39.3	39.2	41.2	41.5	36.5	37.9
K1562	38.5	36.5	38.3	39.6	39.1	38.9
LDX98152-32	41.4	39.2	42.6	42.0	41.8	41.4
LS99-2516	39.5	38.7	42.0	39.7	38.7	38.4
U99-005032	40.2	39.6	42.7	42.5	37.7	38.6
U99-035014	40.9	41.2	41.4	41.5	38.3	41.9

UNIFORM TEST III, 2003

OIL (%)

Strain	Mean 5 Tests	Ames IA	Newton IL	Lafayette IN	Kingdom City MO	Hoytville OH
A99-315026	20.2	20.5	18.5	21.1	20.9	19.9
IA2052 (II)	20.7	20.7	20.0	20.4	22.7	19.7
Pana (SCN)	21.1	21.6	20.9	20.7	21.9	20.2
Macon (L)	20.2	19.8	20.2	20.4	21.1	19.6
Apex	20.8	21.1	21.0	21.3	20.9	20.0
IA3017	19.6	20.1	18.7	19.2	21.4	18.9
IA3018	21.7	21.8	21.1	21.2	22.8	21.3
IA3019	21.9	21.9	21.6	21.9	22.0	22.2
IA3020	21.5	21.4	21.4	21.6	22.0	21.0
E00001	21.1	21.6	21.2	21.1	21.2	20.7
E00003	21.1	21.8	21.2	20.7	21.8	19.9
E00075	20.6	21.3	20.4	20.1	21.5	19.5
E00290	20.3	21.0	19.9	19.6	21.7	19.5
HF00-072	21.3	22.0	20.9	20.4	22.1	21.0
HC94-421BC	20.7	20.9	20.9	20.3	20.7	20.7
HC99-2846	20.6	19.5	20.4	20.9	22.1	20.0
HS0-3246	20.4	21.0	20.0	20.7	20.7	19.6
HS0-3248	19.9	20.3	20.1	20.3	19.8	18.8
HS0-3251	20.2	20.4	19.8	20.3	20.6	19.6
K1547	21.5	20.8	20.9	21.4	22.6	21.7
K1548	19.9	19.7	20.1	20.7	19.6	19.5
K1560	20.6	20.5	20.2	21.3	21.6	19.7
K1562	20.5	20.8	20.7	20.8	20.4	19.8
LDX98152-32	19.0	19.5	19.4	19.6	19.1	17.5
LS99-2516	20.4	20.7	19.9	21.0	20.9	19.7
U99-005032	20.4	20.9	19.5	19.9	21.4	20.0
U99-035014	20.1	20.3	19.5	19.5	22.0	19.0

Preliminary Test IIIA, 2003

Ent.	Strain	Parentage	Generation Composited	Unique Traits
1	A99-315026	Dairyland DSR-365 x Pioneer P9381	F5	
2.	IA2052 (II)	Northrup King S24-92 x Parker	F5	
3.	Pana (SCN)	Jack x Asgrow A3205	?	SCN
4.	Macon (L)	Sherman x Resnik	F5	
5.	A02-237002	NE1900 x Dairyland 94197	F5	
6.	A02-237009	AgriPro Ex 442437 x Dairyland 97754	F5	
7.	A02-238031	Dairyland 88504-11 x IA2053	F5	
8.	A02-336030	AgriPro 2889 x A97-774009	F5	
9.	A02-336040	NE1900 x Dairyland 94197	F5	
10.	A02-337018	SD96-1043 x Dairyland 97645	F5	
11.	A02-337039	A98-892037 x Northrup King S28-T3	F5	
12.	A02-337046	A98-983013 x Dairyland 97029	F5	
13.	A02-337048	A98-983013 x Dairyland 97029	F5	
14.	A02-337049	A98-983013 x Dairyland 97029	F5	
15.	A02-338011	Dairyland 88504-11 x IA2053	F5	
16.	A02-338013	Dairyland 88504-11 x IA2053	F5	
17.	A02-338014	Dairyland 88504-11 x IA2053	F5	
18.	A02-338039	Dairyland 88504-11 x IA2053	F5	
19.	A02-338043	IA2062 x Pioneer XB28V99	F5	
20.	CL9J044-23	C1973*Savoy	F3:5	Rps6
21.	CL0J039-9		F3:5	
22.	CL0J039-63		F3:5	
23.	CL0J039-96		F3:5	
24.	CL0J173-3	Kottman*Dwight	F3:5	Rps1k + 3a, MR to SCN Race 3
25.	CL0J173-6	Kottman*Dwight	F3:5	Rps1k + 3a, MR to SCN Race 3
26.	HF01-0541	OXO-9350-13 x U94-3412	F5	Field Resistance to Phytophthora (Tol.)
27.	HF01-0566	OXO-9350-13 x U94-3433	F5	Field Resistance to Phytophthora (Tol.)
28.	HF01-0578	OXO-9350-13 x U94-3433	F5	Field Resistance to Phytophthora (Tol.)
29.	HF01-0610	Tiffin x H1328	F5	Rps1-c & 3a
30.	HF01-1066	Defiance x U94-2236	F5	Rps3a
31.	LS00-0396	LS92-3660 x Dekalb 411	F6	SCN
32.	LS00-2137	LS92-3660 x Asgrow 4138	F6	SCN
33.	LS00-3645	TN91-55 x IA3005	F6	SCN
34.	LS00-4111	LS92-3660 x Asgrow 4138	F6	SCN
35.	LS00-4260	Croton 3.9 x IA3005	F6	SCN

PRELIMINARY TEST IIIA, 2003

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Humboldt IA	Shattering Score Manhattan KS	Lafayette Race 4	Lafayette Race 7	PS Lafayette a %	P&SB Lafayette n %
A99-315026	WLtTDYBlI	4.0	1.0	S	S	10	0
IA2052 (II)	WGBIYBfI	4.6	1.0	S	S	10	0
Pana (SCN)	PGBIYBfI	4.6	1.0	S	R	28	2
Macon (L)	WTBIYBlI	3.8	1.0	S	S	8	0
A02-237002	WGBDYYI	4.5	1.0	S	H	6	0
A02-237009	WGBDYYI	3.8	1.0	S	S	6	2
A02-238031	PGBDYYI	4.4	1.0	S	R	8	0
A02-336030	WGTDYYI	3.0	1.0	S	S	6	2
A02-336040	WGBIYYI	3.6	1.0	S	S	4	0
A02-337018	PGBDYYI	4.1	2.0	R	R	4	0
A02-337039	PGBDYYI	3.9	1.0	S	S	6	0
A02-337046	PGTDYYI	3.8	1.0	S	R	0	0
A02-337048	PGTDYYI	4.7	1.0	S	R	6	0
A02-337049	PGTIYYI	4.4	1.0	S	S	4	0
A02-338011	PGBDYYI	3.8	1.0	S	S	0	0
A02-338013	PGBDYYI	4.3	1.0	S	S	4	0
A02-338014	PGBDYYI	4.5	2.0	S	H	2	0
A02-338039	PGBDYYI	4.1	1.0	S	S	10	0
A02-338043	PGBDYYI	4.0	2.0	S	S	0	0
CL9J044-23	PTTDYBlI	3.1	1.0	R	R*	4	0
CL0J039-9	P+WSBIYHI	4.4	2.0	S	S	10	2
CL0J039-63	P+WGBIYIb+BfI	3.8	1.0	S	S	4	0
CL0J039-96	WTBIYBlI	4.8	2.0	S	R	6	0
CL0J173-3	WTBDYBlI	3.9	1.0	S*	S*	16	0
CL0J173-6	WLtTDYBlI	3.9	1.0	S*	S*	0	0
HF01-0541	WGBDYLbfI	4.5	1.0	S	S	4	0
HF01-0566	WTTDYBlI	4.3	2.0	S	S	2	2
HF01-0578	WGBDYLbFI	4.0	2.0	S	S	4	4
HF01-0610	PTBDYBlI	3.8	2.0	R	R	6	0
HF01-1066	PGBDYLibI	3.5	1.0	S*	S	0	0
LS00-0396	WTTDYBlI	4.3	1.0	H	R	0	0
LS00-2137	WTBDYBlI	5.0	1.0	H	R	10	0
LS00-3645	WTTDYBlI	4.5	1.0	S	S	2	0
LS00-4111	WTTDYBlI	4.8	1.0	S	S	18	0
LS00-4260	WTTIYBlI	4.7	1.0	S	H	0	0

* = entry being retested.

PRELIMINARY TEST IIIA, 2003

REGIONAL SUMMARY

Strain	Yield 11 bu/a	Rank 11 No.	Maturity 8 Date	Lodging 10 Score	Plant Height 8 In.	Seed Size 11 g/100	Seed Quality 5 Score	Composition Protein 4 %	Composition Oil 4 %
A99-315026	49.0	2	9/22	1.4	29	12.7	1.4	38.7	21.1
IA2052 (II)	45.5	19	-7.8	1.5	30	11.8	1.8	39.8	21.6
Pana (SCN)	48.7	4	3.9	2.3	39	11.5	1.7	37.3	21.3
Macon (L)	48.6	5	3.5	1.5	29	13.8	1.4	39.1	20.6
A02-237002	47.5	8	-4.2	1.5	29	12.4	1.3	38.0	21.3
A02-237009	43.2	30	-4.4	1.3	24	12.9	1.9	39.7	21.0
A02-238031	44.8	25	-6.6	1.3	26	14.1	2.1	41.4	20.7
A02-336030	39.0	35	-4.3	1.5	27	14.6	1.8	41.8	20.8
A02-336040	48.6	5	-3.6	1.8	28	12.3	1.6	37.0	21.6
A02-337018	43.8	28	-4.1	2.1	34	13.1	1.7	41.0	21.5
A02-337039	43.1	31	-2.1	1.8	28	15.9	1.8	42.7	20.6
A02-337046	45.7	18	0.1	1.7	31	16.6	1.8	40.1	21.2
A02-337048	49.0	2	1.2	1.6	31	16.2	1.8	37.4	21.7
A02-337049	44.9	24	-1.0	1.4	28	14.4	1.7	40.7	20.1
A02-338011	44.7	26	-4.8	1.5	29	13.7	1.7	41.5	20.4
A02-338013	47.6	7	-4.1	1.7	31	14.3	1.8	41.9	20.3
A02-338014	43.6	29	-5.6	1.5	29	13.4	1.5	40.9	20.0
A02-338039	45.4	21	-5.3	1.6	28	14.0	1.8	41.6	20.1
A02-338043	46.7	12	-2.3	1.5	30	14.4	1.9	40.6	19.5
CL9J044-23	43.0	32	0.9	1.5	31	14.0	1.4	44.1	19.1
CL0J039-9	46.8	11	4.7	1.3	31	13.9	1.4	41.2	19.8
CL0J039-63	46.9	10	1.5	1.4	30	13.1	1.9	39.4	20.4
CL0J039-96	44.6	27	-0.3	1.4	30	13.6	1.3	40.8	19.2
CL0J173-3	45.5	19	2.1	1.3	28	12.1	1.4	40.6	20.9
CL0J173-6	50.4	1	1.1	1.2	26	13.4	1.4	42.3	19.3
HF01-0541	46.0	15	-0.8	1.9	32	11.6	1.4	41.2	19.6
HF01-0566	45.9	16	5.9	2.2	36	13.0	1.6	41.0	19.7
HF01-0578	46.2	14	0.9	1.9	32	14.0	1.3	40.1	20.4
HF01-0610	45.4	21	0.5	1.7	33	12.6	1.4	42.2	20.1
HF01-1066	42.4	34	-1.1	1.4	30	14.4	1.7	41.2	21.2
LS00-0396	45.0	23	5.4	1.7	32	11.5	1.3	41.2	19.7
LS00-2137	47.3	9	5.3	1.5	30	13.4	1.4	41.4	20.0
LS00-3645	46.6	13	9.1	1.9	31	11.8	1.3	38.0	20.9
LS00-4111	45.8	17	6.5	1.5	33	11.8	1.4	40.5	20.2
LS00-4260	42.8	33	6.3	1.4	31	12.7	1.7	41.0	19.9

124.6 Days After Planting

PRELIMINARY TEST IIIA, 2003

YIELD (bu/a)

Strain	Mean 11 Tests	Ames IA	Atlantic IA	Urbana IL	Lafayette IN	Manhattan KS
A99-315026	49.0	40.6	60.3	66.5	42.9	26.6
IA2052 (II)	45.5	44.4	55.7	55.4	38.4	28.9
Pana (SCN)	48.7	38.5	45.9	61.0	50.8	34.4
Macon (L)	48.6	44.8	48.5	57.6	47.6	34.1
A02-237002	47.5	42.9	55.8	55.6	39.8	28.6
A02-237009	43.2	45.5	48.2	51.5	38.2	33.0
A02-238031	44.8	44.6	55.0	50.8	40.4	31.7
A02-336030	39.0	38.9	49.5	50.3	38.8	18.6
A02-336040	48.6	41.7	57.4	58.5	44.1	33.5
A02-337018	43.8	36.4	48.9	52.3	45.6	24.3
A02-337039	43.1	33.8	46.5	61.6	38.4	26.7
A02-337046	45.7	36.5	51.3	50.8	39.0	28.8
A02-337048	49.0	49.1	59.7	61.4	42.9	30.5
A02-337049	44.9	36.4	53.6	56.5	41.2	28.2
A02-338011	44.7	46.2	54.8	55.3	40.2	28.2
A02-338013	47.6	46.0	52.2	59.8	42.7	34.3
A02-338014	43.6	36.5	53.7	50.9	46.0	29.5
A02-338039	45.4	46.4	51.2	53.6	44.5	28.1
A02-338043	46.7	43.3	52.2	56.0	44.6	24.2
CL9J044-23	43.0	38.0	51.8	49.6	37.8	32.5
CL0J039-9	46.8	40.9	45.7	52.5	39.7	32.1
CL0J039-63	46.9	38.5	55.0	52.7	39.6	34.4
CL0J039-96	44.6	32.7	48.9	58.8	38.1	33.5
CL0J173-3	45.5	36.5	41.3	59.4	44.8	33.4
CL0J173-6	50.4	38.5	59.5	58.5	47.0	26.8
HF01-0541	46.0	40.0	53.7	58.2	47.5	26.2
HF01-0566	45.9	36.3	41.1	61.1	48.0	33.1
HF01-0578	46.2	45.4	48.2	57.2	44.3	30.6
HF01-0610	45.4	41.1	46.1	59.0	43.2	29.5
HF01-1066	42.4	34.7	46.4	54.2	39.3	29.8
LS00-0396	45.0	39.1	38.4	60.6	43.3	36.8
LS00-2137	47.3	38.8	42.3	58.0	46.2	37.2
LS00-3645	46.6	36.0	36.3	64.5	48.0	35.8
LS00-4111	45.8	41.4	49.6	60.9	45.4	36.8
LS00-4260	42.8	37.9	46.6	55.6	47.5	32.0
C.V. (%)		13.5	10.5	7.7	9.2	7.9
L.S.D. (5%)		11.0	10.7	8.8	8.0	4.9
Row Sp. (In.)		27	27	30	24	30
Rows/Plot		4	4	4	4	4
Reps		2	2	2	2	2

PRELIMINARY TEST IIIA, 2003

YIELD (bu/a)

Strain	Novelty MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
A99-315026	27.6	52.7	59.1	57.5	52.2	53.0
IA2052 (II)	27.8	51.5	55.8	47.1	45.7	49.5
Pana (SCN)	40.8	45.8	58.6	53.0	53.3	54.1
Macon (L)	35.7	48.3	54.0	51.8	49.4	62.6
A02-237002	30.0	52.9	61.4	53.2	48.4	54.0
A02-237009	23.0	44.3	44.6	49.4	42.2	55.0
A02-238031	20.9	47.0	43.9	55.3	48.0	54.8
A02-336030	15.7	42.2	48.6	40.7	33.4	51.9
A02-336040	28.4	51.3	62.8	48.2	52.4	56.4
A02-337018	25.1	46.2	51.3	49.4	48.9	53.5
A02-337039	22.7	43.2	53.2	47.7	44.2	56.5
A02-337046	26.0	49.2	59.9	52.7	48.4	59.8
A02-337048	30.1	44.4	59.2	53.2	50.7	58.1
A02-337049	25.8	48.3	53.0	54.2	41.9	55.2
A02-338011	21.4	48.1	54.6	51.0	34.6	57.4
A02-338013	27.2	46.8	58.1	50.0	49.3	56.7
A02-338014	22.4	45.2	51.4	48.5	35.9	59.7
A02-338039	19.2	44.9	59.8	51.1	43.6	56.6
A02-338043	27.8	44.9	50.7	49.3	50.7	69.7
CL9J044-23	30.5	44.4	53.1	47.0	41.7	46.6
CL0J039-9	34.9	41.4	50.5	52.2	61.6	63.1
CL0J039-63	32.4	48.6	52.2	48.5	54.6	59.4
CL0J039-96	29.8	47.1	54.7	51.5	38.1	57.9
CL0J173-3	29.0	46.9	57.6	50.2	38.7	62.8
CL0J173-6	37.4	46.5	58.8	59.8	58.4	63.5
HF01-0541	27.9	46.2	54.0	49.2	47.0	56.1
HF01-0566	33.9	39.5	60.6	46.8	53.4	51.7
HF01-0578	31.8	48.4	54.9	53.6	40.0	54.3
HF01-0610	28.6	46.3	52.2	47.1	52.0	53.7
HF01-1066	30.1	44.6	45.2	47.6	42.6	52.1
LS00-0396	41.5	42.6	49.4	46.5	41.3	55.1
LS00-2137	43.0	42.7	50.3	49.2	52.6	60.0
LS00-3645	47.6	44.3	46.8	46.8	46.0	59.9
LS00-4111	40.8	41.5	45.8	43.6	44.3	53.5
LS00-4260	38.9	37.6	42.3	46.0	31.5	55.0
C.V. (%)	7.3	6.2	9.6	9.2	8.1	6.9
L.S.D. (5%)	3.7	5.8	10.4	9.3	6.3	7.8
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, 2003

YIELD RANK

Strain	Yield Rank	Ames IA	Atlantic IA	Urbana IL	Lafayette IN	Manhattan KS
A99-315026	2	16	1	1	19	31
IA2052 (II)	19	9	6	23	31	23
Pana (SCN)	4	21	29	6	1	5
Macon (L)	5	7	22	17	4	8
A02-237002	8	11	5	21	25	25
A02-237009	30	5	23	30	33	13
A02-238031	25	8	7	32	23	17
A02-336030	35	19	19	34	30	35
A02-336040	5	12	4	14	16	9
A02-337018	28	29	20	29	10	33
A02-337039	31	34	26	3	31	30
A02-337046	18	26	16	33	29	24
A02-337048	2	1	2	4	19	19
A02-337049	24	29	12	19	22	26
A02-338011	26	3	9	24	24	26
A02-338013	7	4	13	9	21	7
A02-338014	29	26	10	31	9	21
A02-338039	21	2	17	26	14	28
A02-338043	12	10	13	20	13	34
CL9J044-23	32	24	15	35	35	14
CL0J039-9	11	15	30	28	26	15
CL0J039-63	10	21	7	27	27	5
CL0J039-96	27	35	20	12	34	9
CL0J173-3	19	26	32	10	12	11
CL0J173-6	1	21	3	14	7	29
HF01-0541	15	17	10	15	5	32
HF01-0566	16	31	33	5	2	12
HF01-0578	14	6	23	18	15	18
HF01-0610	21	14	28	11	18	21
HF01-1066	34	33	27	25	28	20
LS00-0396	23	18	34	8	17	2
LS00-2137	9	20	31	16	2	1
LS00-3645	13	32	35	2	3	4
LS00-4111	17	13	18	7	11	2
LS00-4260	33	25	25	22	5	16

PRELIMINARY TEST IIIA, 2003

YIELD RANK

Strain	Novelty MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
A99-315026	24	2	7	2	8	30
IA2052 (II)	22	3	12	28	20	34
Pana (SCN)	4	19	9	8	5	25
Macon (L)	8	8	17	11	12	5
A02-237002	16	1	2	6	15	26
A02-237009	29	27	33	18	25	21
A02-238031	33	12	34	3	17	23
A02-336030	35	31	29	35	34	32
A02-336040	20	4	1	24	7	17
A02-337018	28	17	24	17	14	28
A02-337039	30	28	18	25	22	16
A02-337046	26	5	4	9	15	8
A02-337048	14	24	6	7	10	11
A02-337049	27	8	20	4	26	19
A02-338011	32	10	15	14	33	13
A02-338013	25	14	10	16	13	14
A02-338014	31	20	23	22	32	9
A02-338039	34	22	5	13	23	15
A02-338043	22	21	25	19	10	1
CL9J044-23	13	25	19	29	27	35
CL0J039-9	9	33	26	10	1	3
CL0J039-63	11	6	21	23	3	10
CL0J039-96	17	11	14	12	31	12
CL0J173-3	18	13	11	15	30	4
CL0J173-6	7	15	8	1	2	2
HF01-0541	21	18	16	21	18	18
HF01-0566	10	34	3	31	4	33
HF01-0578	12	7	13	5	29	24
HF01-0610	19	16	22	27	9	27
HF01-1066	14	23	32	26	24	31
LS00-0396	3	30	28	32	28	20
LS00-2137	2	29	27	20	6	6
LS00-3645	1	26	30	30	19	7
LS00-4111	4	32	31	34	21	28
LS00-4260	6	35	35	33	35	21

PRELIMINARY TEST IIIA, 2003

MATURITY (date)

Strain	Mean 8 Tests	Ames IA	Atlantic IA	Urbana IL	Lafayette IN	Manhattan KS
A99-315026	9/22	9/21		9/16	9/19	9/29
IA2052 (II)	-7.8	-8		-10	-8	-2
Pana (SCN)	3.9	4		5	11	1
Macon (L)	3.5	3		2	6	8
A02-237002	-4.2	-5		-8	-2	-3
A02-237009	-4.4	-8		-10	0	-1
A02-238031	-6.6	-7		-11	-3	-5
A02-336030	-4.3	-5		-6	-1	-6
A02-336040	-3.6	-4		-8	0	-1
A02-337018	-4.1	-5		-7	0	-6
A02-337039	-2.1	-1		-4	1	-5
A02-337046	0.1	-2		-6	1	4
A02-337048	1.2	4		-2	3	0
A02-337049	-1.0	-5		-2	5	-1
A02-338011	-4.8	-5		-4	-2	-4
A02-338013	-4.1	-4		-8	0	-4
A02-338014	-5.6	-8		-10	0	-4
A02-338039	-5.3	-3		-10	-2	-3
A02-338043	-2.3	-4		-7	3	-5
CL9J044-23	0.9	0		-3	3	2
CL0J039-9	4.7	4		3	7	9
CL0J039-63	1.5	-1		-2	3	5
CL0J039-96	-0.3	-6		-4	3	3
CL0J173-3	2.1	2		1	5	4
CL0J173-6	1.1	-3		-3	5	3
HF01-0541	-0.8	0		-5	3	-1
HF01-0566	5.9	6		3	11	7
HF01-0578	0.9	1		-6	5	1
HF01-0610	0.5	2		-2	5	1
HF01-1066	-1.1	0		-3	2	-1
LS00-0396	5.4	4		5	8	7
LS00-2137	5.3	5		4	10	4
LS00-3645	9.1	7		8	13	11
LS00-4111	6.5	5		5	11	8
LS00-4260	6.3	5		4	9	8
Date Planted	5/20	5/18	5/26	4/30	5/24	6/16
Days to Mature	125	126		139	118	105

PRELIMINARY TEST IIIA, 2003

MATURITY (date)

Strain	Novelty MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
A99-315026		9/17		10/3	9/20	9/21
IA2052 (II)		-11		-12	-4	-8
Pana (SCN)		-1		3	2	7
Macon (L)		2		2	3	3
A02-237002		-4		-9	-1	-3
A02-237009		-4		-8	-1	-4
A02-238031		-10		-9	-4	-4
A02-336030		-7		-9	-1	-1
A02-336040		-4		-8	-1	-3
A02-337018		-6		-6	-1	-3
A02-337039		-6		-4	-1	2
A02-337046		1		1	0	2
A02-337048		-2		0	2	4
A02-337049		-3		-4	1	1
A02-338011		-9		-8	-3	-4
A02-338013		-6		-8	-2	-2
A02-338014		-9		-8	-2	-4
A02-338039		-8		-8	-4	-5
A02-338043		-2		-6	0	2
CL9J044-23		1		-1	2	4
CL0J039-9		2		1	5	7
CL0J039-63		2		1	4	1
CL0J039-96		-1		-2	4	1
CL0J173-3		1		-1	1	4
CL0J173-6		2		1	1	4
HF01-0541		-5		-3	1	3
HF01-0566		4		3	8	6
HF01-0578		-1		-2	8	1
HF01-0610		-1		-3	0	2
HF01-1066		-3		-4	-1	0
LS00-0396		4		4	7	5
LS00-2137		3		3	7	7
LS00-3645		10		6	11	8
LS00-4111		4		4	9	7
LS00-4260		6		3	8	7
Date Planted	6/5	5/24	5/16	6/4	4/30	4/28
Days to Mature		116		121	143	146

PRELIMINARY TEST IIIA, 2003

LODGING (score)

Strain	Mean 10 Tests	Ames IA	Atlantic IA	Urbana IL	Lafayette IN	Manhattan KS
A99-315026	1.4	2.3	1.8	1.3	1.0	1.0
IA2052 (II)	1.5	2.8	1.5	1.0	1.5	1.0
Pana (SCN)	2.3	3.3	2.5	2.0	2.3	1.0
Macon (L)	1.5	2.3	1.5	1.5	1.0	1.0
A02-237002	1.5	3.3	1.3	1.0	1.0	1.0
A02-237009	1.3	2.5	1.8	1.0	1.0	1.0
A02-238031	1.3	2.5	1.3	1.0	1.0	1.0
A02-336030	1.5	3.3	1.8	1.0	1.0	1.0
A02-336040	1.8	3.3	1.8	1.3	1.3	1.0
A02-337018	2.1	3.0	2.5	1.5	2.3	1.0
A02-337039	1.8	3.3	2.3	1.5	1.0	1.0
A02-337046	1.7	2.0	2.3	1.5	1.0	1.0
A02-337048	1.6	3.0	2.0	1.5	1.0	1.0
A02-337049	1.4	2.5	1.8	1.3	1.0	1.0
A02-338011	1.5	2.5	1.5	1.0	1.3	1.0
A02-338013	1.7	3.0	2.0	1.3	1.5	1.0
A02-338014	1.5	3.0	1.5	1.0	1.3	1.0
A02-338039	1.6	3.0	1.8	1.3	1.3	1.0
A02-338043	1.5	2.8	2.0	1.0	1.0	1.0
CL9J044-23	1.5	2.5	1.5	1.5	1.0	1.0
CL0J039-9	1.3	2.0	1.5	1.0	1.0	1.0
CL0J039-63	1.4	2.0	1.3	1.0	1.0	1.0
CL0J039-96	1.4	2.0	1.5	1.5	1.0	1.0
CL0J173-3	1.3	1.8	1.5	1.0	1.0	1.0
CL0J173-6	1.2	2.0	1.5	1.0	1.0	1.0
HF01-0541	1.9	3.5	1.8	2.3	1.0	1.0
HF01-0566	2.2	3.8	3.8	1.8	1.0	1.5
HF01-0578	1.9	3.5	2.3	1.8	1.0	1.0
HF01-0610	1.7	2.5	2.0	1.8	1.0	1.0
HF01-1066	1.4	2.0	1.5	1.3	1.0	1.0
LS00-0396	1.7	2.3	1.8	1.5	1.0	1.0
LS00-2137	1.5	2.3	2.0	1.0	1.0	1.0
LS00-3645	1.9	2.8	2.0	1.5	1.0	1.0
LS00-4111	1.5	2.3	1.8	1.5	1.0	1.0
LS00-4260	1.4	2.0	1.5	1.0	1.0	1.0

PRELIMINARY TEST IIIA, 2003

LODGING (score)

Strain	Novelty MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
A99-315026		1.0	1.0	2.0	1.5	1.5
IA2052 (II)		1.0	1.0	2.5	1.3	1.5
Pana (SCN)		2.0	1.0	3.0	2.2	3.5
Macon (L)		1.5	1.0	2.0	1.2	2.3
A02-237002		1.0	1.0	2.0	1.3	2.0
A02-237009		1.0	1.0	1.0	1.3	1.0
A02-238031		1.0	1.0	1.5	1.3	1.5
A02-336030		1.5	1.0	2.0	1.2	1.3
A02-336040		1.0	1.0	3.0	1.6	3.0
A02-337018		2.0	1.0	3.0	1.6	2.8
A02-337039		1.0	1.0	3.0	1.5	2.5
A02-337046		2.0	1.0	3.0	1.2	2.5
A02-337048		1.0	1.0	2.5	1.3	1.8
A02-337049		1.0	1.0	2.0	1.2	1.5
A02-338011		1.0	1.0	2.0	1.2	2.3
A02-338013		1.0	1.0	2.0	1.4	2.3
A02-338014		1.0	1.0	2.0	1.3	1.5
A02-338039		1.0	1.0	2.0	1.3	2.0
A02-338043		1.0	1.0	2.5	1.2	1.8
CL9J044-23		1.0	1.0	1.5	1.2	2.8
CL0J039-9		1.0	1.0	1.5	1.4	1.5
CL0J039-63		1.0	1.0	2.0	1.4	2.0
CL0J039-96		1.0	1.0	1.5	1.2	1.8
CL0J173-3		1.0	1.0	1.0	1.2	2.3
CL0J173-6		1.0	1.0	1.0	1.3	1.0
HF01-0541		1.5	1.0	2.5	1.6	2.5
HF01-0566		1.5	1.0	3.0	1.7	3.0
HF01-0578		1.0	1.0	2.5	1.4	3.5
HF01-0610		1.0	1.0	2.0	1.6	3.5
HF01-1066		1.0	1.0	2.0	1.3	2.0
LS00-0396		1.5	1.0	3.0	1.3	2.5
LS00-2137		1.5	1.0	2.0	1.3	2.0
LS00-3645		2.0	1.0	2.5	1.6	3.3
LS00-4111		1.0	1.0	2.5	1.3	2.0
LS00-4260		1.0	1.0	2.5	1.3	2.0

PRELIMINARY TEST IIIA, 2003

PLANT HEIGHT (inches)

Strain	Mean 8 Tests	Ames IA	Atlantic IA	Urbana IL	Lafayette IN	Manhattan KS
A99-315026	29	39	35	37	31	30
IA2052 (II)	30	40	40	34	33	33
Pana (SCN)	39	48	49	45	42	42
Macon (L)	29	39	37	36	32	31
A02-237002	29	38	36	35	30	33
A02-237009	24	35	28	26	25	27
A02-238031	26	36	32	31	27	27
A02-336030	27	38	35	32	28	28
A02-336040	28	37	36	33	30	33
A02-337018	34	46	46	37	38	35
A02-337039	28	37	35	34	29	30
A02-337046	31	40	41	38	31	34
A02-337048	31	40	41	38	31	34
A02-337049	28	37	35	33	31	31
A02-338011	29	37	35	34	32	34
A02-338013	31	40	40	37	33	35
A02-338014	29	40	37	31	32	31
A02-338039	28	40	38	35	32	28
A02-338043	30	36	37	36	31	32
CL9J044-23	31	40	39	36	33	31
CL0J039-9	31	39	38	40	30	30
CL0J039-63	30	37	39	37	31	30
CL0J039-96	30	37	38	38	32	31
CL0J173-3	28	35	31	34	29	30
CL0J173-6	26	34	32	33	27	26
HF01-0541	32	41	40	40	32	36
HF01-0566	36	44	47	38	38	43
HF01-0578	32	43	39	36	37	34
HF01-0610	33	45	42	38	33	32
HF01-1066	30	36	39	37	31	32
LS00-0396	32	42	39	38	34	34
LS00-2137	30	38	38	38	31	33
LS00-3645	31	36	40	39	33	34
LS00-4111	33	42	43	39	33	32
LS00-4260	31	39	39	37	33	33

PRELIMINARY TEST IIIA, 2003

PLANT HEIGHT (inches)

Strain	Novelty MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
A99-315026		26			31	29
IA2052 (II)		31			26	31
Pana (SCN)		38			42	41
Macon (L)		26			31	31
A02-237002		30			31	29
A02-237009		27			25	25
A02-238031		23			28	28
A02-336030		29			29	28
A02-336040		25			31	27
A02-337018		33			38	32
A02-337039		24			29	29
A02-337046		29			32	32
A02-337048		27			31	29
A02-337049		26			28	28
A02-338011		26			29	30
A02-338013		28			34	32
A02-338014		26			29	34
A02-338039		24			30	29
A02-338043		29			33	31
CL9J044-23		29			33	36
CL0J039-9		27			40	33
CL0J039-63		27			35	33
CL0J039-96		29			28	35
CL0J173-3		28			32	34
CL0J173-6		25			30	30
HF01-0541		29			36	32
HF01-0566		31			38	34
HF01-0578		29			32	38
HF01-0610		32			40	32
HF01-1066		36			31	31
LS00-0396		32			38	33
LS00-2137		28			32	32
LS00-3645		29			33	33
LS00-4111		37			36	36
LS00-4260		32			30	33

PRELIMINARY TEST IIIA, 2003

SEED SIZE (g/100)

Strain	Mean 11 Tests	Ames IA	Atlantic IA	Urbana IL	Lafayette IN	Manhattan KS
A99-315026	12.7	12.9	13.5	14.4	12.6	13.1
IA2052 (II)	11.8	11.4	12.3	13.0	11.9	11.6
Pana (SCN)	11.5	11.0	11.0	12.7	13.4	12.8
Macon (L)	13.8	14.9	13.3	13.9	16.0	14.5
A02-237002	12.4	13.4	13.5	12.7	13.1	13.2
A02-237009	12.9	13.2	12.2	12.6	15.3	14.4
A02-238031	14.1	15.4	15.2	15.2	15.8	13.6
A02-336030	14.6	15.8	16.7	15.6	15.8	13.9
A02-336040	12.3	13.1	14.0	13.3	12.9	12.4
A02-337018	13.1	13.2	13.9	12.5	14.4	13.4
A02-337039	15.9	16.2	16.6	17.0	16.2	15.6
A02-337046	16.6	16.4	16.5	15.2	18.4	19.7
A02-337048	16.2	15.6	17.5	15.3	18.0	16.8
A02-337049	14.4	14.1	14.7	14.1	15.5	15.0
A02-338011	13.7	14.9	14.4	13.5	14.7	13.3
A02-338013	14.3	15.8	13.7	15.0	15.4	13.7
A02-338014	13.4	13.2	14.0	13.4	15.5	14.0
A02-338039	14.0	14.1	13.9	14.5	14.7	16.1
A02-338043	14.4	14.8	14.1	13.7	15.7	14.6
CL9J044-23	14.0	14.0	14.0	13.2	15.9	15.8
CL0J039-9	13.9	13.8	12.9	12.7	15.5	17.0
CL0J039-63	13.1	13.0	13.6	12.3	14.4	14.7
CL0J039-96	13.6	13.1	13.6	14.8	14.1	15.4
CL0J173-3	12.1	11.8	11.4	12.6	13.1	13.5
CL0J173-6	13.4	12.8	14.4	12.8	15.1	14.9
HF01-0541	11.6	11.5	12.2	11.3	12.8	13.0
HF01-0566	13.0	13.1	13.6	13.6	14.7	14.9
HF01-0578	14.0	14.4	13.6	14.7	15.6	14.6
HF01-0610	12.6	13.5	12.6	13.1	13.3	14.6
HF01-1066	14.4	14.2	14.7	15.8	15.9	16.8
LS00-0396	11.5	12.0	10.2	12.4	13.2	14.0
LS00-2137	13.4	13.7	12.4	14.4	15.1	15.0
LS00-3645	11.8	11.9	10.9	11.7	14.1	13.4
LS00-4111	11.8	12.0	11.6	12.5	13.4	14.5
LS00-4260	12.7	12.4	11.4	13.2	13.9	14.3

PRELIMINARY TEST IIIA, 2003

SEED SIZE (g/100)

Strain	Novelty MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
A99-315026	14.0	15.0	16.2	13.6	12.0	15.1
IA2052 (II)	11.0	15.3	16.3	12.8	12.8	14.0
Pana (SCN)	12.0	13.6	13.3	12.0	11.3	13.4
Macon (L)	14.0	15.5	15.9	14.9	14.0	17.5
A02-237002	12.0	14.8	15.2	13.3	11.9	15.3
A02-237009	12.0	15.9	16.0	13.7	13.0	15.4
A02-238031	13.0	17.7	17.9	16.1	13.5	16.0
A02-336030	13.0	16.1	19.0	15.8	14.1	19.6
A02-336040	12.0	15.5	14.8	13.5	11.5	15.1
A02-337018	14.0	16.3	15.5	14.9	12.6	15.9
A02-337039	15.0	18.6	21.5	18.5	15.2	21.1
A02-337046	18.0	19.1	19.7	18.9	15.5	19.0
A02-337048	18.0	19.4	19.8	18.0	15.9	19.1
A02-337049	16.0	17.7	17.5	15.5	14.2	17.4
A02-338011	15.0	16.9	17.6	15.5	12.3	16.7
A02-338013	16.0	17.3	18.2	14.6	14.9	17.7
A02-338014	13.0	16.1	17.7	15.1	12.0	15.8
A02-338039	14.0	16.1	17.4	15.3	12.3	17.0
A02-338043	16.0	17.5	18.1	15.9	14.0	18.2
CL9J044-23	16.0	16.6	16.6	14.9	13.2	16.0
CL0J039-9	15.0	15.5	15.0	14.7	14.3	17.2
CL0J039-63	14.0	14.5	15.4	14.0	13.2	16.2
CL0J039-96	14.0	16.0	15.6	15.4	13.3	16.5
CL0J173-3	13.0	13.6	14.5	12.0	12.7	15.7
CL0J173-6	14.0	14.9	15.1	15.2	13.4	16.2
HF01-0541	13.0	13.8	13.8	12.4	10.6	14.0
HF01-0566	15.0	13.4	14.1	13.7	12.9	15.6
HF01-0578	16.0	16.8	16.4	14.8	13.3	16.7
HF01-0610	15.0	13.4	13.4	13.0	12.2	15.6
HF01-1066	16.0	15.6	15.4	15.3	13.0	17.4
LS00-0396	14.0	11.5	11.2	12.3	11.6	13.4
LS00-2137	16.0	14.1	14.9	13.3	13.7	17.1
LS00-3645	14.0	11.5	12.0	12.6	13.0	15.5
LS00-4111	14.0	12.1	11.5	12.2	11.6	14.0
LS00-4260	16.0	12.3	13.2	13.9	13.3	16.8

PRELIMINARY TEST IIIA, 2003

SEED QUALITY (score)

Strain	Mean 5 Tests	Ames IA	Atlantic IA	Urbana IL	Lafayette IN	Manhattan KS
A99-315026	1.4			1.5	1.0	2.0
IA2052 (II)	1.8			2.0	1.0	3.0
Pana (SCN)	1.7			2.0	1.0	3.0
Macon (L)	1.4			2.0	1.0	2.0
A02-237002	1.3			1.5	1.0	2.0
A02-237009	1.9			2.0	1.0	3.0
A02-238031	2.1			2.0	1.0	4.0
A02-336030	1.8			2.0	1.0	3.0
A02-336040	1.6			2.0	1.0	3.0
A02-337018	1.7			1.5	1.0	3.0
A02-337039	1.8			2.0	1.0	3.0
A02-337046	1.8			2.0	1.0	3.0
A02-337048	1.8			2.0	1.0	3.0
A02-337049	1.7			2.0	1.0	3.0
A02-338011	1.7			2.0	1.0	3.0
A02-338013	1.8			2.0	1.0	3.0
A02-338014	1.5			2.0	1.0	2.0
A02-338039	1.8			2.0	1.0	3.0
A02-338043	1.9			2.0	1.0	3.0
CL9J044-23	1.4			1.5	1.0	2.0
CL0J039-9	1.4			1.5	1.0	2.0
CL0J039-63	1.9			1.5	1.0	3.0
CL0J039-96	1.3			1.5	1.0	2.0
CL0J173-3	1.4			1.5	1.0	2.0
CL0J173-6	1.4			1.5	1.0	2.0
HF01-0541	1.4			2.0	1.0	2.0
HF01-0566	1.6			2.0	1.0	2.0
HF01-0578	1.3			1.5	1.0	2.0
HF01-0610	1.4			2.0	1.0	2.0
HF01-1066	1.7			2.0	1.0	3.0
LS00-0396	1.3			1.5	1.0	2.0
LS00-2137	1.4			1.5	1.0	2.0
LS00-3645	1.3			1.5	1.0	2.0
LS00-4111	1.4			1.5	1.0	2.0
LS00-4260	1.7			1.5	1.0	3.0

PRELIMINARY TEST IIIA, 2003

SEED QUALITY (score)

Strain	Novelty MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
A99-315026	2.0				1.6	
IA2052 (II)	2.0				1.5	
Pana (SCN)	1.0				2.2	
Macon (L)	1.0				1.8	
A02-237002	1.0				1.7	
A02-237009	2.0				2.4	
A02-238031	1.0				2.4	
A02-336030	2.0				1.7	
A02-336040	1.0				1.5	
A02-337018	1.0				2.3	
A02-337039	2.0				1.8	
A02-337046	1.0				2.4	
A02-337048	1.0				2.6	
A02-337049	1.0				1.8	
A02-338011	1.0				1.9	
A02-338013	1.0				2.9	
A02-338014	2.0				1.8	
A02-338039	1.0				2.3	
A02-338043	2.0				2.3	
CL9J044-23	1.0				2.1	
CL0J039-9	1.0				2.4	
CL0J039-63	2.0				2.6	
CL0J039-96	1.0				1.9	
CL0J173-3	1.0				2.2	
CL0J173-6	1.0				2.4	
HF01-0541	1.0				1.5	
HF01-0566	2.0				2.4	
HF01-0578	1.0				1.7	
HF01-0610	1.0				1.8	
HF01-1066	1.0				1.8	
LS00-0396	1.0				1.9	
LS00-2137	1.0				2.3	
LS00-3645	1.0				1.8	
LS00-4111	1.0				2.1	
LS00-4260	1.0				2.2	

PRELIMINARY TEST IIIA, 2003

PROTEIN (%)

Strain	Mean 4 Tests	Ames IA	Urbana IL	Lafayette IN	Novelty MO
A99-315026	38.7	39.7	37.3	38.7	39.1
IA2052 (II)	39.8	41.9	38.2	41.4	37.7
Pana (SCN)	37.3	38.9	36.5	37.9	36.0
Macon (L)	39.1	41.1	38.4	38.9	38.1
A02-237002	38.0	39.6	35.5	40.4	36.6
A02-237009	39.7	41.8	36.9	42.0	37.9
A02-238031	41.4	42.2	39.4	43.8	40.3
A02-336030	41.8	44.2	39.2	43.8	40.1
A02-336040	37.0	39.9	34.0	38.1	36.1
A02-337018	41.0	42.6	38.5	41.3	41.5
A02-337039	42.7	44.2	41.2	43.8	41.7
A02-337046	40.1	41.7	39.8	40.1	38.9
A02-337048	37.4	37.1	35.8	39.1	37.4
A02-337049	40.7	43.8	38.8	40.8	39.3
A02-338011	41.5	42.5	38.8	43.7	41.2
A02-338013	41.9	43.8	39.2	42.4	42.3
A02-338014	40.9	43.3	37.4	42.9	40.1
A02-338039	41.6	43.6	38.1	43.3	41.2
A02-338043	40.6	42.5	38.4	40.8	40.8
CL9J044-23	44.1	45.5	43.3	44.3	43.3
CL0J039-9	41.2	42.9	38.8	42.1	41.2
CL0J039-63	39.4	40.5	37.2	41.4	38.6
CL0J039-96	40.8	41.1	38.4	41.8	42.1
CL0J173-3	40.6	41.9	38.2	41.1	41.3
CL0J173-6	42.3	44.7	40.8	43.1	40.4
HF01-0541	41.2	43.0	38.9	41.2	41.8
HF01-0566	41.0	41.8	39.0	39.9	43.1
HF01-0578	40.1	41.7	39.6	40.6	38.6
HF01-0610	42.2	43.6	40.6	43.0	41.5
HF01-1066	41.2	42.3	40.4	42.2	39.9
LS00-0396	41.2	42.2	38.3	42.2	42.3
LS00-2137	41.4	42.4	38.4	42.1	42.8
LS00-3645	38.0	39.3	35.9	38.5	38.1
LS00-4111	40.5	41.2	39.5	39.8	41.4
LS00-4260	41.0	42.1	40.0	40.7	41.2

PRELIMINARY TEST IIIA, 2003

OIL (%)

Strain	Mean 4 Tests	Ames IA	Urbana IL	Lafayette IN	Novelty MO
A99-315026	21.1	20.5	21.6	21.1	21.1
IA2052 (II)	21.6	20.6	22.2	20.6	23.1
Pana (SCN)	21.3	20.3	21.7	21.6	21.6
Macon (L)	20.6	19.4	21.4	20.7	20.7
A02-237002	21.3	20.9	21.9	19.8	22.4
A02-237009	21.0	19.5	22.2	20.1	22.3
A02-238031	20.7	20.2	21.5	19.3	21.7
A02-336030	20.8	19.4	21.9	19.7	22.2
A02-336040	21.6	20.8	22.9	20.4	22.3
A02-337018	21.5	20.9	22.4	21.6	21.2
A02-337039	20.6	19.8	21.5	20.5	20.7
A02-337046	21.2	20.5	20.9	21.6	22.0
A02-337048	21.7	21.0	21.7	21.6	22.4
A02-337049	20.1	18.4	21.0	19.6	21.2
A02-338011	20.4	19.9	21.1	18.9	21.7
A02-338013	20.3	20.3	20.6	19.4	21.0
A02-338014	20.0	19.0	20.2	19.6	21.1
A02-338039	20.1	19.3	20.1	19.4	21.6
A02-338043	19.5	18.9	20.2	18.9	20.3
CL9J044-23	19.1	18.0	19.5	19.1	19.6
CL0J039-9	19.8	18.6	20.4	19.8	20.3
CL0J039-63	20.4	19.4	21.2	20.2	20.9
CL0J039-96	19.2	18.1	20.3	19.0	19.4
CL0J173-3	20.9	19.8	22.0	21.2	20.7
CL0J173-6	19.3	17.7	20.2	19.1	20.3
HF01-0541	19.6	18.7	20.6	19.1	20.2
HF01-0566	19.7	18.9	20.5	20.3	19.2
HF01-0578	20.4	19.9	21.7	19.8	20.2
HF01-0610	20.1	19.1	20.8	20.3	20.3
HF01-1066	21.2	20.6	22.1	20.8	21.2
LS00-0396	19.7	18.9	20.8	19.6	19.6
LS00-2137	20.0	19.7	20.9	19.6	19.8
LS00-3645	20.9	20.1	21.6	20.7	20.9
LS00-4111	20.2	19.6	20.6	20.6	20.0
LS00-4260	19.9	19.4	19.8	19.8	20.5

Preliminary Test IIIB, 2003

Ent.	Strain	Parentage	Generation Composited	Unique Traits
1	A99-315026	Dairyland DSR-365 x Pioneer P9381	F5	
2.	IA2052 (II)	Northrup King S24-92 x Parker	F5	
3.	Pana (SCN)	Jack x Asgrow A3205	?	SCN
4.	Macon (L)	Sherman x Resnik	F5	
5.	Apex	HC85-607 x HC78-676 BC	F5	dt1
6.	E01128	E94489 x Northrup King S19-90	F5	
7.	HC00-109	HC91-1770 x HC94-62PR	F5	dt1
8.	HC00-2766	Manokim x HC94-69PR	F5	dt1, SCN
9.	HC99-1260	HC93-21PRX[Jack(2) xCharleston BC]	F5	dt1, SCN
10.	HC99-1938	Mustang x Sprite 87	F5	dt1, SCN
11.	HS0-3116	HS95-2833 x Tiffin	F5	
12.	HS1-3638	HS94-9053 x Kottman	F5	Rps1k, Rps3
13.	HS1-3641	HS94-9053 x Kottman	F5	Rps1k, Rps3
14.	HS1-3726	Athow x HS94-4533	F5	Rps1k
15.	HS1-3885	IA3010 x Pioneer 9352	F5	
16.	HS1-3887	IA3010 x Pioneer 9352	F5	
17.	HS1-3902	IA3010 x Pioneer 9352	F5	
18.	K1585	U95-3734 x IA3010	F5	
19.	K1586	MD93-5010 x IA3010	F5	
20.	K1587	U95-3734 x DeKalbBCX445	F5	
21.	K1588	DeKalbCX411 x Macon	F5	
22.	K1589	DeKalbCX445 x STRESSLAND	F5	
23.	K1590	DeKalbCX445 x STRESSLAND	F5	
24.	LG00-3372	PI561.319A X PI 574.477	F6	
25.	LG00-6182	PI561.319A X PI 574.477	F6	
26.	LG00-6193	PI561.319A X PI 574.477	F6	
27.	LG01-4756	Macon X PI 438.205	F5	
28.	LG01-4762	Macon X PI 438.205	F5	
29.	U01-240172	NE3297 x UP1Fe(S1)C6-47	F5	Determinate
30.	U01-340114	NE3001 x UP1Fe(S1)C6-47	F5	Chlorosis
31.	U01-340122	NE3297 x UP1Fe(S1)C6-47	F5	Determinate
32.	U01-390065	Jilin33 x NE3001	F5	
33.	U01-390210	Harbin 92-1062 x NE3202	F5	Determinate
34.	U01-390787	NE3001 x Pioneer 93B82	F5	Determinate

PRELIMINARY TEST IIIB, 2003

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Humboldt IA	Shattering Score Ashland KS	Lafayette Race 4	Lafayette Race 7	PS Lafayette a %	P&SB Lafayette n %
A99-315026	WLtTDYBlI	4.0	1.0	S	S	0	4
IA2052 (II)	WGBIYBfI	4.6	1.0	S	S	10	0
Pana (SCN)	PGBIYBfI	4.6	1.0	S	R	28	2
Macon (L)	WTBIYBlI	3.8	2.0	S	S	8	0
Apex	PTBSYBlD	4.8	1.0	R	R	4	0
E01128	PTTIYGrI	4.5	2.0	S	S	0	0
HC00-109	WTTDYBrD	4.1	1.0	R	R	0	0
HC00-2766	WTTSYBlD	4.3	1.0	R	R	0	0
HC99-1260	WTTIYLblD	4.1	1.0	S	R	0	0
HC99-1938	PTTIYBlD	4.5	1.0	S	S	0	0
HS0-3116	PGBDYIbI	3.6	2.0	H	H	4	0
HS1-3638	WGTDYIbI	4.0	1.0	S	S	6	0
HS1-3641	WGTDYIbI	4.5	1.0	R	R	4	0
HS1-3726	PGTDYIbI	4.1	1.0	R	R	4	0
HS1-3885	PTSDYLbrI	3.5	1.0	S	R	16	0
HS1-3887	P+WTTIYLbrI	3.4	1.0	S	R	4	0
HS1-3902	P+WTTIYLbrI	3.9	1.0	S	R	2	0
K1585	PGTDYIb+BfI	3.5	1.0	S	R	2	2
K1586	PTTDYBlI	4.1	1.0	S	R	0	0
K1587	WTTIYBrI	4.9	1.0	S	R	4	2
K1588	WTTDYBlI	4.6	1.0	S	S	0	0
K1589	PTBDYBlI	4.4	1.0	H	R	2	2
K1590	P+WTTDYBlI	4.3	1.0	S	R	0	0
LG00-3372	PGBDYLblI	3.4	2.0	S	S	0	0
LG00-6182	PGBDYLblI	3.8	2.0	S	S	6	0
LG00-6193	PGBIYLblI	3.9	1.0	S	S	8	0
LG01-4756	WTBDYIbI	4.4	1.0	S	S	4	2
LG01-4762	WTBDYIbI	4.4	2.0	S	S	4	0
U01-240172	WGTDYBfI	3.8	1.0	S	S	2	0
U01-340114	WTBDYBrI	3.5	1.0	S	S	6	0
U01-340122	WGTSYBfI	3.3	1.0	S	S	6	0
U01-390065	WGTIYLbFI	4.8	2.0	S	S	0	0
U01-390210	WGBDYBfI	4.3	1.0	R	R	10	0
U01-390787	P+WGBDYHI	4.0	2.0	S	S	12	0

PRELIMINARY TEST IIIB, 2003

REGIONAL SUMMARY

					Plant	Seed	Seed	Composition	
	Yield	Rank	Maturity	Lodging	Height	Size	Quality	Protein	Oil
No. of Tests	11	11	8	10	8	11	5	5	5
Strain	bu/a	No.	Date	Score	In.	g/100	Score	%	%
A99-315026	53.2	2	9/23	1.4	32	14.5	1.6	37.7	21.4
IA2052 (II)	50.1	11	-9.3	1.6	35	13.6	2.0	40.6	21.0
Pana (SCN)	49.5	13	2.3	2.3	41	12.7	1.9	36.4	21.5
Macon (L)	51.2	6	0.6	1.6	33	15.2	1.5	38.4	20.5
Apex	47.4	19	3.6	1.4	24	13.6	1.7	37.8	20.6
E01128	49.2	14	-4.1	1.2	34	14.0	2.4	40.1	20.1
HC00-109	45.4	27	5.9	1.8	29	12.5	1.5	40.8	20.1
HC00-2766	50.6	8	3.4	1.3	25	13.3	1.4	40.0	20.1
HC99-1260	46.6	21	5.3	1.7	25	13.3	1.7	40.0	19.0
HC99-1938	44.3	32	6.8	1.4	23	13.0	1.5	38.3	20.0
HS0-3116	45.1	29	-1.6	2.0	37	15.6	2.1	37.7	21.4
HS1-3638	45.7	24	-2.9	1.3	29	14.1	1.6	41.5	20.6
HS1-3641	45.5	26	-2.1	1.3	30	13.0	1.5	41.2	20.8
HS1-3726	48.1	16	-0.3	1.8	35	13.7	1.4	40.5	20.6
HS1-3885	51.2	6	3.9	1.4	33	14.6	1.4	38.6	20.7
HS1-3887	47.6	17	1.5	1.2	30	14.6	1.8	39.3	20.7
HS1-3902	47.2	20	4.0	1.6	32	13.5	1.6	37.9	21.0
K1585	44.8	30	3.3	1.4	30	12.9	1.8	37.4	21.4
K1586	46.3	22	7.7	1.4	30	13.3	1.6	37.3	20.1
K1587	50.0	12	8.2	1.7	36	13.3	1.5	37.0	20.7
K1588	45.8	23	4.3	1.8	33	14.2	1.5	38.4	20.6
K1589	45.4	27	6.9	1.7	39	11.5	1.6	37.0	20.5
K1590	47.6	17	8.3	2.5	40	11.7	1.7	38.2	20.0
LG00-3372	53.7	1	1.6	2.0	41	14.2	1.6	37.8	20.4
LG00-6182	51.6	4	0.5	2.1	41	13.6	1.6	38.5	20.1
LG00-6193	51.8	3	1.6	2.2	39	15.3	1.6	38.5	20.1
LG01-4756	50.2	9	3.8	1.8	34	14.8	1.5	37.5	21.0
LG01-4762	51.6	4	4.6	1.8	34	15.0	1.4	38.0	20.6
U01-240172	44.8	30	-4.8	1.3	24	14.3	1.7	44.6	18.3
U01-340114	48.8	15	-0.4	1.7	39	15.4	2.1	39.7	20.4
U01-340122	42.2	34	-1.0	1.8	29	12.6	1.8	41.4	19.5
U01-390065	45.6	25	-4.4	1.7	27	16.2	1.8	38.2	21.1
U01-390210	43.7	33	-3.3	1.8	32	16.4	1.8	38.4	20.5
U01-390787	50.2	9	-1.5	2.0	35	14.5	2.0	38.9	21.5

128.6 Days After Planting

PRELIMINARY TEST IIIB, 2003

YIELD (bu/a)

Strain	Mean 11 Tests	Ames IA	Atlantic IA	Urbana IL	Lafayette IN	Ashland KS
A99-315026	53.2	53.3	46.4	58.5	46.2	57.4
IA2052 (II)	50.1	52.2	54.6	48.8	39.3	64.2
Pana (SCN)	49.5	42.1	36.4	54.3	47.8	63.1
Macon (L)	51.2	47.4	40.6	59.7	48.4	56.3
Apex	47.4	46.3	42.3	48.1	49.7	44.6
E01128	49.2	53.4	51.1	45.8	42.7	53.6
HC00-109	45.4	36.7	29.7	49.7	49.0	45.8
HC00-2766	50.6	51.7	40.6	46.4	53.6	59.4
HC99-1260	46.6	46.8	31.8	49.1	52.6	42.4
HC99-1938	44.3	42.6	28.4	49.1	51.7	51.3
HS0-3116	45.1	44.1	38.0	48.9	42.7	52.1
HS1-3638	45.7	46.8	42.8	48.0	40.3	52.1
HS1-3641	45.5	47.0	33.1	48.1	40.6	51.0
HS1-3726	48.1	45.2	45.2	52.6	41.8	62.0
HS1-3885	51.2	48.7	38.3	57.0	46.3	57.0
HS1-3887	47.6	42.4	43.1	56.0	42.5	52.0
HS1-3902	47.2	52.9	38.2	51.3	44.8	47.8
K1585	44.8	45.1	34.3	49.5	43.8	63.7
K1586	46.3	38.4	34.0	57.2	48.6	57.6
K1587	50.0	43.8	38.3	58.8	50.5	69.4
K1588	45.8	43.0	37.2	56.2	44.8	55.1
K1589	45.4	33.3	29.9	55.5	44.5	61.1
K1590	47.6	33.7	36.6	53.0	48.7	63.4
LG00-3372	53.7	52.8	47.6	56.0	51.2	60.7
LG00-6182	51.6	52.2	46.1	58.0	49.4	54.6
LG00-6193	51.8	52.7	43.9	60.3	54.1	60.7
LG01-4756	50.2	47.7	41.3	59.7	47.4	47.2
LG01-4762	51.6	50.4	34.4	64.5	47.5	57.3
U01-240172	44.8	39.9	42.7	45.6	36.0	62.7
U01-340114	48.8	47.3	41.7	49.4	41.8	67.5
U01-340122	42.2	44.4	41.8	48.1	34.3	57.0
U01-390065	45.6	45.3	43.2	53.5	34.4	61.6
U01-390210	43.7	42.9	43.8	50.7	40.6	44.8
U01-390787	50.2	55.0	40.3	62.5	41.8	55.9
C.V. (%)		8.6	14.3	6.8	5.8	11.8
L.S.D. (5%)		8.1	11.6	7.3	5.3	13.5
Row Sp. (In.)		27	27	30	24	30
Rows/Plot		4	4	4	4	4
Reps		2	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST IIIB, 2003

YIELD (bu/a)

Strain	Novelty MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
A99-315026	31.9	57.3	62.3	64.5	54.4	53.0
IA2052 (II)	24.4	51.3	55.8	58.7	53.0	49.5
Pana (SCN)	40.8	48.7	48.8	62.2	45.7	54.1
Macon (L)	37.9	49.1	53.1	55.7	52.3	62.6
Apex	33.7	51.4	51.9	48.3	46.6	58.6
E01128	28.8	49.4	57.6	49.2	47.1	62.3
HC00-109	32.1	49.0	46.1	50.6	56.2	54.5
HC00-2766	39.4	51.9	47.4	57.0	51.4	58.1
HC99-1260	35.0	46.2	45.7	54.4	49.4	59.6
HC99-1938	32.3	53.1	47.3	44.0	32.1	55.4
HS0-3116	26.7	48.7	52.3	44.5	44.8	53.2
HS1-3638	28.0	43.3	45.7	48.5	53.5	53.6
HS1-3641	27.2	52.3	48.7	52.2	41.5	59.1
HS1-3726	28.3	49.9	49.7	50.8	52.0	51.8
HS1-3885	35.8	55.5	51.0	55.2	53.8	64.5
HS1-3887	27.8	47.2	47.5	50.9	56.1	57.9
HS1-3902	31.4	48.6	48.8	51.4	47.9	56.2
K1585	32.3	41.2	41.7	48.5	37.4	55.7
K1586	35.7	44.5	47.4	41.6	45.8	58.5
K1587	34.9	49.1	50.0	47.9	49.8	58.0
K1588	32.5	45.0	42.2	47.7	41.3	58.9
K1589	37.6	54.4	52.4	33.8	43.4	53.2
K1590	39.1	53.2	49.7	40.9	52.7	52.8
LG00-3372	38.7	56.8	55.8	58.8	50.1	61.9
LG00-6182	40.6	52.4	56.2	55.6	41.7	61.2
LG00-6193	34.8	52.4	54.8	55.1	41.9	59.7
LG01-4756	40.3	50.7	50.0	49.2	53.2	65.1
LG01-4762	40.2	51.4	49.8	55.3	55.4	61.3
U01-240172	26.6	43.4	51.1	48.9	36.0	60.5
U01-340114	32.6	41.5	51.3	54.1	55.2	54.2
U01-340122	21.2	44.1	48.7	38.5	39.3	46.7
U01-390065	25.6	52.4	46.5	48.9	35.4	55.2
U01-390210	30.0	51.6	48.9	49.0	32.0	46.8
U01-390787	32.8	50.6	47.0	54.0	52.5	59.7
C.V. (%)	8.3	6.2	7.5	8.6	16.0	6.9
L.S.D. (5%)	4.6	6.2	7.7	8.7	12.8	7.8
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, 2003

YIELD RANK

Strain	Yield Rank	Ames IA	Atlantic IA	Urbana IL	Lafayette IN	Ashland KS
A99-315026	2	3	4	7	17	15
IA2052 (II)	11	7	1	27	31	3
Pana (SCN)	13	29	26	15	13	6
Macon (L)	6	13	17	4	12	19
Apex	19	18	13	30	7	33
E01128	14	2	2	33	22	23
HC00-109	27	32	33	21	9	31
HC00-2766	8	9	17	32	2	13
HC99-1260	21	16	31	25	3	34
HC99-1938	32	27	34	25	4	27
HS0-3116	29	23	23	26	22	24
HS1-3638	24	16	11	31	30	24
HS1-3641	26	15	30	30	28	28
HS1-3726	16	20	6	18	27	8
HS1-3885	6	11	20	10	16	17
HS1-3887	17	28	10	13	24	26
HS1-3902	20	4	22	19	18	29
K1585	30	21	28	22	21	4
K1586	22	31	29	9	11	14
K1587	12	24	20	6	6	1
K1588	23	25	24	11	18	21
K1589	27	34	32	14	20	10
K1590	17	33	25	17	10	5
LG00-3372	1	5	3	13	5	11
LG00-6182	4	7	5	8	8	22
LG00-6193	3	6	7	3	1	11
LG01-4756	9	12	16	5	15	30
LG01-4762	4	10	27	1	14	16
U01-240172	30	30	12	34	32	7
U01-340114	15	14	15	23	25	2
U01-340122	34	22	14	28	34	17
U01-390065	25	19	9	16	33	9
U01-390210	33	26	8	20	28	32
U01-390787	9	1	19	2	25	20

PRELIMINARY TEST IIIB, 2003

YIELD RANK

Strain	Novelty MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
A99-315026	22	1	1	1	5	29
IA2052 (II)	33	15	5	4	9	32
Pana (SCN)	1	23	20	2	22	25
Macon (L)	8	20	7	6	12	3
Apex	15	13	10	26	20	14
E01128	25	19	2	19	19	4
HC00-109	21	22	30	18	1	23
HC00-2766	5	11	25	5	14	16
HC99-1260	12	27	32	11	17	11
HC99-1938	19	6	27	30	33	21
HS0-3116	30	23	9	29	23	27
HS1-3638	27	32	31	24	7	26
HS1-3641	29	10	23	14	27	12
HS1-3726	26	18	17	17	13	31
HS1-3885	10	3	13	9	6	2
HS1-3887	28	26	24	16	2	18
HS1-3902	23	25	21	15	18	19
K1585	19	34	34	25	30	20
K1586	11	29	26	31	21	15
K1587	13	21	14	27	16	17
K1588	18	28	33	28	28	13
K1589	9	4	8	34	24	27
K1590	6	5	18	32	10	30
LG00-3372	7	2	4	3	15	5
LG00-6182	2	7	3	7	26	7
LG00-6193	14	9	6	10	25	9
LG01-4756	3	16	15	19	8	1
LG01-4762	4	13	16	8	3	6
U01-240172	31	31	12	22	31	8
U01-340114	17	33	11	12	4	24
U01-340122	34	30	22	33	29	34
U01-390065	32	8	29	23	32	22
U01-390210	24	12	19	21	34	33
U01-390787	16	17	28	13	11	9

PRELIMINARY TEST IIIB, 2003

MATURITY (date)

Strain	Mean 8 Tests	Ames IA	Atlantic IA	Urbana IL	Lafayette IN	Ashland KS
A99-315026	9/23	9/26		9/14	9/21	9/29
IA2052 (II)	-9.3	-10		-10	-11	-10
Pana (SCN)	2.3	0		4	8	-2
Macon (L)	0.6	0		3	4	-4
Apex	3.6	6		2	11	-1
E01128	-4.1	-3		-7	-2	-10
HC00-109	5.9	3		7	13	-1
HC00-2766	3.4	3		4	7	-3
HC99-1260	5.3	5		4	12	1
HC99-1938	6.8	8		6	13	-2
HS0-3116	-1.6	0		-2	1	-4
HS1-3638	-2.9	-1		-5	-1	-9
HS1-3641	-2.1	-2		-6	-1	-6
HS1-3726	-0.3	0		-2	1	-9
HS1-3885	3.9	5		6	6	-2
HS1-3887	1.5	0		2	1	-7
HS1-3902	4.0	3		5	6	-3
K1585	3.3	4		4	5	-1
K1586	7.7	9		10	14	0
K1587	8.2	5		10	13	4
K1588	4.3	4		6	8	-1
K1589	6.9	7		9	12	2
K1590	8.3			10	13	3
LG00-3372	1.6	2		3	6	-4
LG00-6182	0.5	3		3	4	-4
LG00-6193	1.6	3		4	5	-3
LG01-4756	3.8	3		5	7	-1
LG01-4762	4.6	3		5	7	-1
U01-240172	-4.8	-6		-8	-4	-7
U01-340114	-0.4	1		1	0	-2
U01-340122	-1.0	-2		-4	0	-4
U01-390065	-4.4	-5		-7	-4	-6
U01-390210	-3.3	-1		-5	-4	-8
U01-390787	-1.5	-2		1	-1	-3
Date Planted	5/17	5/20	5/26	4/30	5/24	5/15
Days to Mature	129	129		137	120	137

PRELIMINARY TEST IIIB, 2003

MATURITY (date)

Strain	Novelty MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
A99-315026		9/21		10/3	9/21	9/21
IA2052 (II)		-11		-10	-5	-8
Pana (SCN)		-6		3	3	7
Macon (L)		-7		3	2	3
Apex		-5		3	5	7
E01128		-3		-6	-1	-1
HC00-109		7		6	5	8
HC00-2766		3		5	5	4
HC99-1260		2		6	6	7
HC99-1938		8		7	6	9
HS0-3116		-7		-3	1	1
HS1-3638		-5		-1	0	-1
HS1-3641		-4		-3	5	0
HS1-3726		-2		0	5	4
HS1-3885		3		4	1	8
HS1-3887		1		3	8	5
HS1-3902		4		4	6	7
K1585		-2		4	8	4
K1586		1		6	11	11
K1587		9		5	13	8
K1588		-1		4	8	6
K1589		-3		6	11	11
K1590		1		7	14	11
LG00-3372		-4		4	2	3
LG00-6182		-9		2	2	2
LG00-6193		-2		3	0	2
LG01-4756		-2		5	7	6
LG01-4762		7		5	5	7
U01-240172		-4		-5	-2	-3
U01-340114		-2		-2	1	-1
U01-340122		-3		1	0	4
U01-390065		-4		-5	-1	-4
U01-390210		-2		-2	-1	-3
U01-390787		-6		-2	0	0
Date Planted	6/5	5/24	5/16	6/4	4/30	4/28
Days to Mature		120		121	144	146

PRELIMINARY TEST IIIB, 2003

LODGING (score)

Strain	Mean 10 Tests	Ames IA	Atlantic IA	Urbana IL	Lafayette IN	Ashland KS
A99-315026	1.4	2.0	1.8	1.3	1.0	1.5
IA2052 (II)	1.6	2.3	1.8	1.0	1.3	3.0
Pana (SCN)	2.3	3.5	2.0	1.8	2.3	3.0
Macon (L)	1.6	2.5	1.3	1.0	1.0	2.5
Apex	1.4	2.0	2.0	1.0	1.0	1.0
E01128	1.2	2.0	1.0	1.0	1.0	1.5
HC00-109	1.8	2.0	2.3	1.0	1.8	1.0
HC00-2766	1.3	2.0	2.0	1.0	1.0	1.0
HC99-1260	1.7	2.3	2.5	1.0	1.8	1.0
HC99-1938	1.4	2.0	2.3	1.0	1.3	1.0
HS0-3116	2.0	3.0	2.3	1.3	1.3	2.5
HS1-3638	1.3	2.0	1.8	1.0	1.0	1.5
HS1-3641	1.3	2.0	1.8	1.0	1.0	1.5
HS1-3726	1.8	2.8	2.0	1.3	1.0	3.5
HS1-3885	1.4	2.3	1.5	1.0	1.0	2.0
HS1-3887	1.2	1.5	1.8	1.0	1.0	1.5
HS1-3902	1.6	2.3	2.0	1.0	1.0	2.5
K1585	1.4	2.0	1.8	1.0	1.0	2.0
K1586	1.4	2.3	1.5	1.0	1.0	1.0
K1587	1.7	2.3	2.0	1.0	1.0	3.0
K1588	1.8	2.5	2.3	1.3	1.0	3.0
K1589	1.7	2.3	2.0	1.3	1.0	2.5
K1590	2.5	9.9	1.5	1.5	1.3	2.5
LG00-3372	2.0	3.5	2.3	1.5	1.3	3.0
LG00-6182	2.1	3.5	2.0	1.5	1.5	3.0
LG00-6193	2.2	3.5	2.3	1.8	2.0	3.0
LG01-4756	1.8	2.5	1.8	1.3	1.0	2.5
LG01-4762	1.8	2.5	1.8	1.0	1.0	2.5
U01-240172	1.3	2.0	2.0	1.0	1.0	1.0
U01-340114	1.7	2.5	2.0	1.0	1.0	3.0
U01-340122	1.8	2.8	2.8	1.0	1.0	1.5
U01-390065	1.7	2.0	2.3	1.0	1.0	1.0
U01-390210	1.8	2.3	1.3	1.0	1.5	3.5
U01-390787	2.0	3.3	2.3	1.8	1.3	2.0

PRELIMINARY TEST IIIB, 2003

LODGING (score)

Strain	Novelty MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
A99-315026		1.0	1.0	1.5	1.4	1.5
IA2052 (II)		1.0	1.0	2.0	1.4	1.5
Pana (SCN)		2.0	1.0	2.7	1.4	3.5
Macon (L)		1.5	1.0	2.0	1.3	2.3
Apex		1.5	1.0	1.0	1.3	1.8
E01128		1.0	1.0	1.0	1.3	1.0
HC00-109		2.5	1.0	2.5	1.3	2.8
HC00-2766		1.5	1.0	1.0	1.3	1.0
HC99-1260		2.5	1.0	1.5	1.3	1.8
HC99-1938		1.5	1.0	1.0	1.3	2.0
HS0-3116		1.5	1.0	2.7	1.5	3.0
HS1-3638		1.0	1.0	1.0	1.3	1.0
HS1-3641		1.0	1.0	1.0	1.3	1.0
HS1-3726		1.0	1.0	2.0	1.3	2.0
HS1-3885		1.0	1.0	2.0	1.3	1.3
HS1-3887		1.0	1.0	1.0	1.4	1.0
HS1-3902		1.0	1.0	2.0	1.3	1.5
K1585		1.0	1.0	2.0	1.3	1.3
K1586		1.0	1.0	2.0	1.3	2.0
K1587		1.0	1.0	2.0	1.3	2.3
K1588		2.0	1.0	2.0	1.3	1.5
K1589		1.5	1.0	2.0	1.4	2.5
K1590		1.0	1.0	2.0	1.7	2.8
LG00-3372		1.0	1.0	2.5	1.4	2.8
LG00-6182		2.0	1.0	2.5	1.3	2.8
LG00-6193		1.5	1.0	2.5	1.4	3.0
LG01-4756		1.5	1.0	2.5	1.3	2.3
LG01-4762		1.5	1.0	3.0	1.3	2.3
U01-240172		1.0	1.0	1.5	1.3	1.3
U01-340114		1.5	1.0	2.0	1.4	2.0
U01-340122		1.0	1.0	3.0	1.3	2.8
U01-390065		1.0	1.0	4.0	1.3	2.5
U01-390210		1.0	1.0	3.0	1.3	2.3
U01-390787		1.0	1.0	3.0	1.3	2.5

PRELIMINARY TEST IIIB, 2003

PLANT HEIGHT (inches)

Strain	Mean 8 Tests	Ames IA	Atlantic IA	Urbana IL	Lafayette IN	Ashland KS
A99-315026	32	38	35	30	31	40
IA2052 (II)	35	40	41	27	32	42
Pana (SCN)	41	48	38	36	43	52
Macon (L)	33	38	34	31	34	40
Apex	24	22	34	20	26	25
E01128	34	40	39	27	32	43
HC00-109	29	27	33	28	33	29
HC00-2766	25	25	37	20	27	22
HC99-1260	25	25	34	20	29	23
HC99-1938	23	22	30	21	27	26
HS0-3116	37	46	41	31	37	42
HS1-3638	29	32	30	27	27	34
HS1-3641	30	34	34	27	27	33
HS1-3726	35	41	37	32	33	41
HS1-3885	33	39	38	31	31	40
HS1-3887	30	36	33	30	29	36
HS1-3902	32	36	44	27	28	39
K1585	30	34	33	26	27	37
K1586	30	31	35	31	27	36
K1587	36	41	39	35	30	47
K1588	33	36	34	35	31	41
K1589	39	42	44	38	37	47
K1590	40	44	43	38	40	47
LG00-3372	41	45	50	40	39	46
LG00-6182	41	47	48	39	40	52
LG00-6193	39	41	45	36	40	50
LG01-4756	34	39	38	34	33	40
LG01-4762	34	40	37	32	33	42
U01-240172	24	26	32	18	23	25
U01-340114	39	45	43	30	37	50
U01-340122	29	31	38	26	29	30
U01-390065	27	35	34	24	26	26
U01-390210	32	35	39	27	35	37
U01-390787	35	43	41	35	34	33

PRELIMINARY TEST IIIB, 2003

PLANT HEIGHT (inches)

Strain	Novelty MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
A99-315026		26			31	29
IA2052 (II)		32			34	31
Pana (SCN)		32			37	41
Macon (L)		26			34	31
Apex		23			24	21
E01128		28			31	31
HC00-109		26			31	25
HC00-2766		26			24	21
HC99-1260		27			25	21
HC99-1938		21			18	22
HS0-3116		29			38	33
HS1-3638		22			31	28
HS1-3641		26			28	29
HS1-3726		30			34	31
HS1-3885		25			32	30
HS1-3887		24			30	24
HS1-3902		27			30	27
K1585		24			26	30
K1586		26			23	29
K1587		28			33	33
K1588		27			29	28
K1589		33			36	35
K1590		34			39	36
LG00-3372		36			36	35
LG00-6182		34			34	35
LG00-6193		33			32	33
LG01-4756		23			33	32
LG01-4762		27			32	33
U01-240172		20			23	21
U01-340114		31			37	37
U01-340122		24			26	26
U01-390065		25			22	22
U01-390210		26			29	27
U01-390787		29			36	32

PRELIMINARY TEST IIIB, 2003

SEED SIZE (g/100)

Strain	Mean 11 Tests	Ames IA	Atlantic IA	Urbana IL	Lafayette IN	Ashland KS
A99-315026	14.5	13.8	12.6	14.6	13.9	16.8
IA2052 (II)	13.6	12.4	12.0	14.5	11.6	16.0
Pana (SCN)	12.7	11.8	11.8	12.9	13.3	14.3
Macon (L)	15.2	15.0	12.8	15.4	15.6	15.9
Apex	13.6	13.5	11.2	13.8	13.7	17.5
E01128	14.0	13.6	12.9	13.7	13.9	14.3
HC00-109	12.5	11.5	10.2	12.8	12.3	14.2
HC00-2766	13.3	13.0	11.3	13.2	13.3	15.3
HC99-1260	13.3	12.2	10.4	12.7	12.7	18.3
HC99-1938	13.0	13.2	10.6	13.5	13.9	14.3
HS0-3116	15.6	14.9	12.7	15.3	15.4	18.6
HS1-3638	14.1	13.7	12.5	13.5	13.9	13.8
HS1-3641	13.0	12.5	10.8	12.2	12.6	15.3
HS1-3726	13.7	14.3	12.6	13.6	14.1	14.8
HS1-3885	14.6	14.6	12.1	13.5	15.9	15.1
HS1-3887	14.6	14.6	12.5	13.7	14.2	15.6
HS1-3902	13.5	13.5	11.0	12.8	14.4	14.9
K1585	12.9	12.9	10.3	12.3	13.1	15.5
K1586	13.3	12.1	10.8	13.3	13.9	15.8
K1587	13.3	12.3	12.0	12.7	13.1	15.2
K1588	14.2	14.3	12.0	13.4	16.0	16.1
K1589	11.5	11.1	11.4	10.5	11.6	13.3
K1590	11.7	11.1	10.5	11.3	12.0	13.5
LG00-3372	14.2	13.8	11.9	12.9	14.0	14.3
LG00-6182	13.6	13.6	12.0	13.8	14.1	13.1
LG00-6193	15.3	15.1	12.5	15.6	15.5	16.5
LG01-4756	14.8	14.9	12.5	14.4	15.8	15.4
LG01-4762	15.0	15.0	12.0	15.5	15.6	16.2
U01-240172	14.3	13.9	12.5	13.4	13.6	17.3
U01-340114	15.4	14.8	13.3	15.0	16.1	16.4
U01-340122	12.6	12.3	10.9	10.0	11.3	17.0
U01-390065	16.2	16.3	13.4	14.7	14.4	20.7
U01-390210	16.4	17.0	15.4	17.6	15.8	16.9
U01-390787	14.5	14.9	12.9	14.6	13.7	16.4

PRELIMINARY TEST IIIB, 2003

SEED SIZE (g/100)

Strain	Novelty MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
A99-315026	13.0	16.2	16.9	14.0	12.2	15.1
IA2052 (II)	11.0	16.3	16.8	13.2	12.0	14.0
Pana (SCN)	13.0	14.0	12.7	11.7	10.8	13.4
Macon (L)	15.0	16.3	15.1	15.0	13.7	17.5
Apex	13.0	13.9	14.5	12.0	12.4	14.5
E01128	13.0	15.5	16.5	13.7	11.7	14.9
HC00-109	15.0	13.0	12.5	11.5	11.0	13.3
HC00-2766	14.0	14.0	13.1	11.8	13.0	14.8
HC99-1260	13.0	14.8	13.2	12.1	12.7	14.5
HC99-1938	13.0	14.1	13.6	12.4	11.1	13.8
HS0-3116	15.0	17.9	17.9	15.2	13.2	16.0
HS1-3638	12.0	16.3	16.8	14.3	13.7	15.2
HS1-3641	12.0	14.4	14.7	13.4	11.5	14.2
HS1-3726	13.0	14.1	13.9	13.6	13.0	14.3
HS1-3885	15.0	14.8	14.9	15.3	13.8	15.7
HS1-3887	14.0	15.2	16.0	14.4	14.1	16.7
HS1-3902	14.0	13.2	14.1	12.8	12.8	15.6
K1585	13.0	13.7	13.4	13.0	11.6	12.9
K1586	15.0	13.9	13.0	12.0	12.0	14.2
K1587	14.0	14.2	13.3	12.6	12.6	14.4
K1588	14.0	13.6	13.7	13.0	13.6	16.0
K1589	12.0	12.7	10.8	10.5	10.1	12.4
K1590	13.0	12.6	10.4	10.5	10.9	12.5
LG00-3372	14.0	16.3	14.3	16.6	13.1	15.1
LG00-6182	14.0	14.8	14.2	14.2	11.0	14.6
LG00-6193	16.0	16.2	15.6	16.3	12.6	16.2
LG01-4756	15.0	15.0	14.7	15.3	13.3	17.1
LG01-4762	15.0	15.6	15.0	15.2	13.1	17.2
U01-240172	13.0	17.1	14.6	14.1	12.3	15.8
U01-340114	15.0	17.1	15.8	14.9	14.0	16.9
U01-340122	13.0	14.5	13.0	12.0	10.9	14.2
U01-390065	15.0	18.9	18.6	16.3	13.0	17.2
U01-390210	15.0	19.8	14.8	16.4	12.5	18.8
U01-390787	14.0	16.7	13.8	14.2	12.2	15.6

PRELIMINARY TEST IIIB, 2003

SEED QUALITY (score)

Strain	Mean 5 Tests	Ames IA	Atlantic IA	Urbana IL	Lafayette IN	Ashland KS
A99-315026	1.6			1.5	1.0	2.0
IA2052 (II)	2.0			2.0	1.5	3.0
Pana (SCN)	1.9			2.0	1.0	3.0
Macon (L)	1.5			1.5	1.0	2.0
Apex	1.7			1.5	1.0	3.0
E01128	2.4			2.0	1.5	3.0
HC00-109	1.5			2.0	1.0	2.0
HC00-2766	1.4			1.5	1.0	2.0
HC99-1260	1.7			2.0	1.0	3.0
HC99-1938	1.5			1.5	1.0	2.0
HS0-3116	2.1			2.0	1.0	4.0
HS1-3638	1.6			1.5	1.0	2.0
HS1-3641	1.5			1.5	1.0	2.0
HS1-3726	1.4			1.5	1.0	2.0
HS1-3885	1.4			1.5	1.0	2.0
HS1-3887	1.8			2.0	1.0	3.0
HS1-3902	1.6			2.0	1.0	2.0
K1585	1.8			2.0	1.0	3.0
K1586	1.6			2.0	1.0	2.0
K1587	1.5			2.0	1.0	2.0
K1588	1.5			1.5	1.0	2.0
K1589	1.6			1.5	1.0	2.0
K1590	1.7			2.0	1.0	2.0
LG00-3372	1.6			1.5	1.0	3.0
LG00-6182	1.6			2.0	1.0	2.0
LG00-6193	1.6			2.0	1.0	2.0
LG01-4756	1.5			1.5	1.0	2.0
LG01-4762	1.4			1.5	1.0	2.0
U01-240172	1.7			2.0	1.0	2.0
U01-340114	2.1			2.0	1.0	3.0
U01-340122	1.8			2.0	1.5	2.0
U01-390065	1.8			2.0	1.0	3.0
U01-390210	1.8			2.0	1.0	3.0
U01-390787	2.0			2.0	1.0	3.0

PRELIMINARY TEST IIIB, 2003

SEED QUALITY (score)

Strain	Novelty MO	Goehner NE	Plymouth NE	Tekamah NE	Hoytville OH	So. Charleston OH
A99-315026	2.0				1.5	
IA2052 (II)	2.0				1.4	
Pana (SCN)	1.0				2.3	
Macon (L)	1.0				1.9	
Apex	1.0				2.1	
E01128	3.0				2.5	
HC00-109	1.0				1.6	
HC00-2766	1.0				1.7	
HC99-1260	1.0				1.5	
HC99-1938	1.0				2.2	
HS0-3116	1.0				2.5	
HS1-3638	2.0				1.6	
HS1-3641	1.0				1.8	
HS1-3726	1.0				1.6	
HS1-3885	1.0				1.7	
HS1-3887	1.0				1.8	
HS1-3902	1.0				1.8	
K1585	1.0				2.1	
K1586	1.0				2.2	
K1587	1.0				1.7	
K1588	1.0				1.8	
K1589	1.0				2.3	
K1590	1.0				2.4	
LG00-3372	1.0				1.7	
LG00-6182	1.0				2.1	
LG00-6193	1.0				2.2	
LG01-4756	1.0				1.9	
LG01-4762	1.0				1.7	
U01-240172	1.0				2.5	
U01-340114	2.0				2.5	
U01-340122	2.0				1.7	
U01-390065	1.0				1.9	
U01-390210	1.0				1.9	
U01-390787	2.0				1.8	

PRELIMINARY TEST IIIB, 2003

PROTEIN (%)

Strain	Mean 5 Tests	Ames IA	Urbana IL	Lafayette IN	Novelty MO	Hoytville OH
A99-315026	37.7	37.8	38.0	38.6	36.9	37.0
IA2052 (II)	40.6	40.0	40.2	41.9	39.4	41.2
Pana (SCN)	36.4	35.4	37.5	37.9	36.9	34.4
Macon (L)	38.4	38.6	38.1	39.7	39.2	36.5
Apex	37.8	38.1	39.2	37.2	37.3	37.4
E01128	40.1	39.8	40.1	42.2	39.3	39.2
HC00-109	40.8	42.9	41.8	41.0	39.3	38.8
HC00-2766	40.0	39.3	41.4	40.7	41.4	36.9
HC99-1260	40.0	38.4	41.5	40.8	39.4	40.0
HC99-1938	38.3	37.9	39.9	40.6	37.2	36.1
HS0-3116	37.7	37.3	38.3	38.5	37.8	36.8
HS1-3638	41.5	41.9	40.3	42.9	40.8	41.7
HS1-3641	41.2	41.5	41.3	41.8	40.4	41.0
HS1-3726	40.5	40.0	40.3	40.6	41.0	40.8
HS1-3885	38.6	36.3	38.9	40.2	40.6	36.8
HS1-3887	39.3	38.8	39.6	40.3	39.9	37.8
HS1-3902	37.9	36.9	38.7	38.9	38.8	36.1
K1585	37.4	38.0	37.5	37.9	37.1	36.5
K1586	37.3	36.5	37.3	38.4	40.0	34.5
K1587	37.0	35.1	36.2	38.3	38.3	37.3
K1588	38.4	37.7	38.4	39.9	40.5	35.5
K1589	37.0	37.1	37.4	38.8	36.9	34.6
K1590	38.2	37.2	38.5	39.2	39.2	36.7
LG00-3372	37.8	37.6	37.6	39.6	37.4	36.6
LG00-6182	38.5	39.9	38.9	39.4	37.0	37.2
LG00-6193	38.5	37.6	39.4	39.0	39.8	36.7
LG01-4756	37.5	36.9	37.9	39.8	39.2	33.8
LG01-4762	38.0	38.0	38.2	40.1	37.7	36.1
U01-240172	44.6	45.0	42.7	47.8	45.3	42.4
U01-340114	39.7	38.5	40.1	41.0	41.2	37.6
U01-340122	41.4	40.8	41.1	45.0	41.0	39.0
U01-390065	38.2	38.1	37.1	40.8	35.9	39.3
U01-390210	38.4	38.3	38.1	40.6	37.0	37.9
U01-390787	38.9	38.6	38.0	42.3	38.0	37.7

PRELIMINARY TEST IIIB, 2003

OIL (%)

Strain	Mean 5 Tests	Ames IA	Urbana IL	Lafayette IN	Novelty MO	Hoytville OH
A99-315026	21.4	20.7	21.7	21.5	23.0	20.1
IA2052 (II)	21.0	21.3	21.6	20.6	21.6	19.7
Pana (SCN)	21.5	21.1	21.9	21.1	22.2	21.1
Macon (L)	20.5	20.5	21.1	20.3	21.0	19.8
Apex	20.6	20.4	20.4	21.1	21.0	20.1
E01128	20.1	19.8	20.5	19.8	21.1	19.4
HC00-109	20.1	19.2	20.7	20.2	20.9	19.7
HC00-2766	20.1	20.1	20.7	20.3	19.5	20.0
HC99-1260	19.0	19.0	19.5	18.3	19.8	18.3
HC99-1938	20.0	19.6	19.7	19.7	20.7	20.2
HS0-3116	21.4	21.2	22.4	21.4	21.5	20.4
HS1-3638	20.6	20.4	21.8	20.5	21.6	18.6
HS1-3641	20.8	20.3	21.7	20.3	22.4	19.4
HS1-3726	20.6	19.9	22.1	20.7	21.1	19.3
HS1-3885	20.7	20.6	21.2	20.7	21.0	19.8
HS1-3887	20.7	20.5	21.0	20.6	21.2	20.2
HS1-3902	21.0	20.7	21.7	21.2	21.6	19.9
K1585	21.4	21.0	22.5	21.7	21.7	20.3
K1586	20.1	20.0	20.8	20.5	18.8	20.5
K1587	20.7	20.5	22.1	20.7	21.0	19.4
K1588	20.6	20.5	20.8	20.4	21.0	20.2
K1589	20.5	20.0	21.0	20.8	20.5	20.2
K1590	20.0	19.8	20.8	19.9	19.6	19.9
LG00-3372	20.4	20.5	20.6	20.3	20.8	19.7
LG00-6182	20.1	19.7	19.9	19.9	21.2	19.5
LG00-6193	20.1	20.0	20.4	20.7	19.7	19.5
LG01-4756	21.0	20.7	22.0	20.2	20.8	21.3
LG01-4762	20.6	19.7	20.8	20.4	21.4	20.4
U01-240172	18.3	18.2	19.5	16.8	18.9	18.3
U01-340114	20.4	20.2	21.1	19.9	20.7	19.9
U01-340122	19.5	19.4	20.4	17.8	20.3	19.5
U01-390065	21.1	21.2	22.1	19.5	23.1	19.5
U01-390210	20.5	20.4	21.2	19.5	21.4	20.0
U01-390787	21.5	21.2	22.3	20.3	22.6	21.4

Uniform Test IV, 2003

Ent.	Strain	Parentage	Previous Testing	Generation Composited	Unique Traits
1	LN97-15076 (IV)	Macon x Stressland	2	F5	
2.	LS93-0375 (SCN)	Asgrow A3935 x Pioneer P9402	2	F6	SCN
3.	Macon (III)	Sherman x Resnik	7	F5	
4.	Strong (dt1)	Sprite 87 x HC85-6577	3	F5	dt1
5.	HC94-422BC	Strong (6) x Sprite 87	-	BC5F3	Strong BC
6.	HC96-182PR	Stressland (4) x HC78-676 BC	3	BC3F3	Dt1
7.	HC97-235PR	Stressland (4) x Thorne	2	BC3F3	Rps1k, Dt1
8.	HC97-1691	Stressland x HC89-2237	1	F4	Dt1
9.	HC99-1261	HC93-21PRX [Jack (2) x Charleston BC]	PT IV	BC1F3	dt1
10.	HC99-2752	DPL-3478 x Stressland	PT IV	F5	Dt1
11.	HC99-2762	DPL-3478 x Stressland	PT IV	F5	Dt1
12.	HC99-2763	DPL 3478 x Stressland	SCN PT IV	F5	SCN
13.	HF00-196	PI 567.590A x Flint	PT IIIA	F5	
14.	K1514	Macon x U93-3122	UTIII	F5	
15.	K1563	BP: Macon, IA3010, A94-774016	PTIIIA	F5	
16.	K1566	BP: P9393, NK s42-60, NK S46-44, Ky90-1208	PT IV	F5	
17.	K1567	BP: A93-754028, P9362, P9341	PT IV	F5	
18.	K1572	BP: Macon, NK S42-60, NK S46-44, K1307	PT IV	F5	
19.	LD99-11156	Yale x Cisne	PT IV	F5	
20.	LG00-6306	F6 PI 574.480B x PI 574.477	PTIV	F6	
21.	LG00-6313	F6 PI 574.480B x PI 574.477	PTIV	F6	
22.	LS98-0582	Northup King 46-44 x Asgrow 4138	1	F6	SCN
23.	LS99-2235	Bell x P9451	PT IV	F6	SCN
24.	LS99-3346	DK469c x LN90-3364	PT IV	F6	SCN

UNIFORM TEST IV, 2003

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis Score Wilkin Co. MN	Green Stem Score Keiser AK	Green Stem Score Pine Tree AK	Shattering Score Ashland KS	PR Lafayette Race 4	PR Lafayette Race 7	SDS Carmi IL DX	SDS Valmeyer IL DX	PS Lafayette a %	P&SB Lafayette n %
LN97-15076 (IV)	WTBDYBlI	3.7	3.0	1.0	2.0	S	S	3	1	8	6
LS93-0375 (SCN)	PTBDYBlI	3.3	4.5	1.7	1.0	S	R	1	0	2	4
Macon (III)	WTBIYBlI	2.5	5.0	1.0	2.0	S	S	0	1	8	0
Strong (dt1)	WTTDYBlD	3.0	1.0	1.0	1.0	S	R	0	0	4	0
HC94-422BC	WTTDYBlD	4.5	1.0	1.0	1.0	H	H	0	0	0	0
HC96-182PR	PTBDYBl+BrI	3.3	2.5	1.0	1.0	H	R	0	6	8	0
HC97-235PR	PTBDYBlI	4.2	3.5	1.0	1.0	S*	S*	0	0	12	0
HC97-1691	PTTDYBlI	4.2	3.0	1.0	2.0	H	S	0	8	2	2
HC99-1261	WTTDYBl+BrD	4.2	1.0	1.0	1.0	S	S	0	0	0	0
HC99-2752	PLtBDYBlI	3.8	4.0	1.7	2.0	S	S	1	1	2	0
HC99-2762	PLtTDYBlI	3.8	5.0	1.0	1.0	S	S	0	1	8	0
HC99-2763	PLtTDYBlI	3.7	3.0	1.7	1.0	S	R	0	3	0	0
HF00-196	PTBDYBlI	4.3	5.0	1.0	1.0	S	S	1	6	0	2
K1514	WTBDYBlI	2.8	3.0	1.3	1.0	S	S	0	1	16	0
K1563	WGBDYBfI	3.8	4.5	1.0	1.0	S	S	0	1	8	0
K1566	PTBDYBl+BrI	3.8	1.5	1.3	1.0	S	S	0	0	12	0
K1567	PTBDYBlI	3.8	3.0	1.0	1.0	R	R	0	1	0	2
K1572	WTBDYBlI	3.5	3.5	1.0	1.0	S	S	0	1	0	2
LD99-11156	WGTIYBfI	3.2	1.5	1.0	1.0	R	H	0	0	10	0
LG00-6306	PTBDYLblI	3.7	3.0	1.0	1.0	S	S	0	7	0	0
LG00-6313	PTBDYLblI	3.7	4.0	1.0	2.0	S	S	2	4	0	0
LS98-0582	WTTDYBlI	4.2	4.0	1.7	1.0	R	R	0	0	4	0
LS99-2235	PTTITBlI	4.3	2.5	1.0	2.0	S	S	0	0	4	4
LS99-3346	WTBDYLblI		2.0	1.7	1.0	H	R	0	0	0	0

* = entry being retested.

UNIFORM TEST IV, 2003

REGIONAL SUMMARY

	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	Composition Protein	Composition Oil
No. of Tests	15	15	14	14	15	14	13	5	5
Strain	bu/a	No.	Date	Score	In.	g/100	Score	%	%
LN97-15076 (IV)	51.9	2	10/2	1.7	33	15.6	1.6	40.9	20.2
LS93-0375 (SCN)	48.5	12	-0.3	1.4	31	15.4	1.7	41.0	19.6
Macon (III)	50.6	5	-4.2	1.7	30	15.9	1.7	40.8	20.2
Strong (dt1)	40.7	23	-1.0	1.2	19	16.2	1.7	40.7	20.5
HC94-422BC	40.6	24	-1.4	1.2	17	16.0	1.6	40.5	20.2
HC96-182PR	48.1	16	0.2	1.5	33	14.3	1.7	42.2	20.6
HC97-235PR	48.4	14	0.6	1.8	33	13.7	1.7	42.8	19.7
HC97-1691	50.5	6	0.9	2.1	35	13.1	1.7	42.1	20.6
HC99-1261	46.0	20	-1.6	1.4	23	13.6	1.6	40.4	19.9
HC99-2752	50.5	6	1.8	2.0	32	15.0	1.6	40.8	19.9
HC99-2762	51.3	4	-2.0	1.5	29	16.3	1.6	41.2	20.5
HC99-2763	52.9	1	-0.3	1.6	31	15.2	1.7	40.5	20.7
HF00-196	48.5	12	0.9	1.6	33	16.8	1.7	41.6	19.9
K1514	50.3	8	-1.1	1.6	30	14.9	1.6	39.3	20.8
K1563	47.4	18	-0.7	1.3	26	15.2	1.7	39.2	20.8
K1566	49.6	10	2.1	1.7	30	15.2	1.6	40.9	20.2
K1567	48.3	15	3.5	1.8	33	16.6	1.8	38.6	20.7
K1572	46.3	19	2.3	1.7	31	16.1	2.1	40.2	20.5
LD99-11156	47.7	17	-1.8	2.0	32	16.0	1.9	41.2	20.6
LG00-6306	50.1	9	0.5	2.2	31	17.8	1.8	40.0	19.9
LG00-6313	51.6	3	2.0	2.0	32	16.9	1.8	39.4	19.5
LS98-0582	48.7	11	2.1	1.8	34	14.2	1.7	40.5	19.6
LS99-2235	42.6	22	1.3	2.1	32	14.8	1.9	40.1	20.3
LS99-3346	45.1	21	1.8	1.5	32	14.0	1.5	40.6	20.0

129.7 Days After Planting

UNIFORM TEST IV, 2003

2002-2003 2-YEAR MEAN

Strain	Yield bu/a	Rank No.	Maturity Date	Lodging Score	Plant Height In.	Seed Size g/100	Seed Quality Score	Composition Protein %	Composition Oil %
No. of Tests	29	29	28	29	30	28	27	9	9
LN97-15076 (IV)	51.4	1	9/29	1.5	34	15.6	2.0	41.2	20.2
LS93-0375 (SCN)	48.8	7	-0.2	1.3	31	15.8	2.0	41.1	19.8
Macon (III)	49.1	5	-3.5	1.5	31	16.0	1.9	40.9	20.5
Strong (dt1)	40.5	8	-1.3	1.1	19	16.6	2.1	41.7	20.4
HC96-182PR	49.0	6	-0.5	1.5	34	14.4	1.9	42.4	20.9
HC97-235PR	49.6	4	-0.2	1.7	34	13.5	1.8	42.8	20.0
HC97-1691	50.3	2	0.2	1.9	36	12.9	1.9	42.5	20.8
LS98-0582	49.9	3	1.8	1.7	35	14.4	1.8	40.9	19.3

127.7 Days After Planting

2001-2003 3-YEAR MEAN

Strain	Yield bu/a	Rank No.	Maturity Date	Lodging Score	Plant Height In.	Seed Size g/100	Seed Quality Score	Composition Protein %	Composition Oil %
No. of Tests	45	45	44	46	47	42	41	14	14
LN97-15076 (IV)	51.8	1	9/28	1.5	34	15.5	2.0	41.1	20.5
LS93-0375 (SCN)	49.7	4	-0.2	1.3	32	15.7	1.9	41.0	20.1
Macon (III)	49.1	5	-3.3	1.4	31	15.8	1.9	40.4	20.8
Strong (dt1)	41.2	6	-1.5	1.1	19	16.6	2.0	41.3	20.6
HC96-182PR	50.0	3	-0.7	1.6	35	14.2	1.9	42.2	20.8
HC97-235PR	50.3	2	0.1	1.7	35	13.4	1.8	42.4	20.1

130.0 Days After Planting

UNIFORM TEST IV, 2003

YIELD (bu/a)

Strain	Mean 15 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Middletown DE	Belleville IL	Harrisburg IL	Newtown IL	Urbana IL	Lafayette IN
LN97-15076 (IV)	51.9	51.0	49.5	53.0	48.9	52.6	62.0	61.7	60.4	47.9
LS93-0375 (SCN)	48.5	58.6	45.4	59.2	44.2	58.2	61.1	55.0	60.8	51.4
Macon (III)	50.6	22.1	32.9	34.7	48.5	54.5	62.0	54.8	56.2	46.9
Strong (dt1)	40.7	20.0	15.2	15.4	25.1	51.2	58.9	53.7	48.2	40.6
HC94-422BC	40.6	30.8	14.5	11.1	29.5	47.8	58.6	51.1	51.1	44.8
HC96-182PR	48.1	74.0	63.4	64.2	47.5	54.8	58.2	52.5	51.7	44.9
HC97-235PR	48.4	33.5	54.3	65.3	47.1	47.8	57.9	52.1	54.3	46.0
HC97-1691	50.5	44.9	57.0	50.9	43.0	51.6	64.4	57.9	57.5	47.3
HC99-1261	46.0	43.3	17.0	22.5	47.9	53.8	66.8	54.2	62.2	48.7
HC99-2752	50.5	48.5	64.6	83.9	31.4	48.7	57.7	57.9	62.9	51.1
HC99-2762	51.3	64.6	39.7	60.2	47.9	56.7	61.8	57.8	59.8	47.4
HC99-2763	52.9	56.7	68.9	74.7	56.9	58.4	65.6	59.1	60.9	50.7
HF00-196	48.5	58.9	42.0	42.2	46.1	51.9	57.7	54.8	56.9	47.3
K1514	50.3	56.5	36.1	48.2	38.5	57.4	61.5	61.3	61.1	52.1
K1563	47.4	45.3	40.7	31.9	33.4	45.1	61.3	55.2	53.3	44.3
K1566	49.6	49.1	42.9	56.1	45.6	54.5	62.5	55.9	56.4	45.0
K1567	48.3	43.6	50.4	54.6	46.3	52.1	61.5	54.1	55.9	46.2
K1572	46.3	32.4	33.8	31.3	39.1	45.4	58.4	53.4	57.8	45.2
LD99-11156	47.7	40.5	55.8	54.0	48.3	46.6	56.5	56.9	57.0	44.9
LG00-6306	50.1	61.5	34.2	38.3	49.3	57.4	66.1	52.6	58.1	43.3
LG00-6313	51.6	59.0	37.8	36.3	56.9	57.9	65.4	56.6	54.3	46.5
LS98-0582	48.7	28.0	48.6	62.5	41.6	53.6	54.1	59.3	66.5	51.5
LS99-2235	42.6	33.6	57.1	45.0	27.3	47.1	52.6	58.3	49.9	45.6
LS99-3346	45.1	30.1	45.2	34.7	27.5	52.1	56.5	58.7	57.8	44.3
C.V. (%)		22.5	13.7	13.6	9.2	6.9	6.9	7.5	7.7	6.3
L.S.D. (5%)		2.1	10.5	10.6	6.4	6.0	6.9	6.9	7.2	4.8
Row Sp. (In.)		7.5	7.5	7.5	15	30	30	30	30	24
Rows/Plot		9	9	9	5	4	4	4	4	4
Reps		3	3	3	3	3	3	3	3	3

*Data not included in mean.

UNIFORM TEST IV, 2003

YIELD (bu/a)

Strain	Ashland KS	Manhattan KS	Ottawa KS	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LN97-15076 (IV)	65.1	33.7	19.5	79.7	41.4	39.1	45.9	63.9	57.1
LS93-0375 (SCN)	55.4	32.2	19.7	77.3	39.7	40.4	29.6	48.5	54.6
Macon (III)	61.7	37.0	15.7	78.0	42.1	37.0	46.9	57.6	59.6
Strong (dt1)	48.6	33.5	15.7	75.5	31.8	19.6	23.2	32.0	53.4
HC94-422BC	44.2	31.4	14.2	70.1	24.9	32.7	24.7	35.0	48.3
HC96-182PR	59.1	35.4	24.5	80.6	33.8	31.1	38.0	52.4	57.4
HC97-235PR	61.8	36.0	21.0	73.0	45.6	35.3	43.5	60.4	44.3
HC97-1691	66.3	36.0	21.0	75.8	44.0	37.0	45.8	60.4	49.9
HC99-1261	47.1	27.1	15.8	71.9	39.8	39.5	16.8	39.4	58.5
HC99-2752	62.8	35.6	23.0	76.5	47.3	38.6	48.9	60.4	54.1
HC99-2762	66.4	35.1	19.5	80.3	42.7	28.4	42.3	64.1	59.1
HC99-2763	66.7	33.7	22.4	78.0	45.8	27.3	51.5	63.1	53.4
HF00-196	59.6	36.5	25.0	72.6	37.0	32.0	40.7	52.6	57.0
K1514	66.6	36.8	18.9	76.3	41.5	36.0	34.0	55.5	56.9
K1563	66.3	32.5	21.7	73.9	38.1	34.2	43.6	45.0	62.9
K1566	65.5	35.6	26.5	72.1	34.6	33.1	46.9	54.4	55.4
K1567	63.4	31.9	27.7	73.3	35.5	36.0	36.7	52.7	51.0
K1572	61.1	29.1	24.1	77.8	42.2	25.2	35.2	49.0	51.3
LD99-11156	56.9	29.1	16.9	72.1	49.5	28.7	45.1	58.5	49.3
LG00-6306	60.8	39.8	22.2	68.3	36.0	36.3	50.6	54.9	55.9
LG00-6313	61.2	36.3	23.2	68.5	41.9	40.1	48.2	59.8	56.7
LS98-0582	62.5	35.9	23.0	71.4	37.8	36.0	40.1	41.2	56.2
LS99-2235	57.1	31.6	22.0	56.3	40.8	35.6	43.7	28.5	42.2
LS99-3346	56.2	32.3	22.5	66.7	37.3	28.2	39.0	45.0	52.3
C.V. (%)	6.6	9.0	11.6	4.8	12.0	9.1	11.8	7.9	7.6
L.S.D. (5%)	6.5	5.0	4.0	4.8	7.8	4.2	6.5	5.6	6.8
Row Sp. (In.)	30	30	30	16	24	30	30	30	15
Rows/Plot	4	4	4	6	4	4	4	4	6
Reps	3	3	3	2	3	3	3	3	3

UNIFORM TEST IV, 2003

YIELD RANK

Strain	Yield Rank	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Middletown DE	Belleville IL	Harrisburg IL	Newtown IL	Urbana IL	Lafayette IN
LN97-15076 (IV)	2	9	9	11	4	12	7	1	7	7
LS93-0375 (SCN)	12	6	11	7	14	2	13	14	6	3
Macon (III)	5	23	21	18	5	8	7	16	16	11
Strong (dt1)	23	24	23	23	24	17	14	19	24	24
HC94-422BC	24	20	24	24	21	19	15	24	22	20
HC96-182PR	16	1	3	4	9	7	17	22	21	18
HC97-235PR	14	18	7	3	10	19	18	23	19	14
HC97-1691	6	13	5	12	15	16	5	7	12	9
HC99-1261	20	15	22	22	7	10	1	17	3	6
HC99-2752	6	11	2	1	20	18	19	8	2	4
HC99-2762	4	2	16	6	7	6	9	9	8	8
HC99-2763	1	7	1	2	1	1	3	4	5	5
HF00-196	12	5	14	15	12	15	19	15	14	9
K1514	8	8	18	13	18	4	10	2	4	1
K1563	18	12	15	20	19	24	12	13	20	21
K1566	10	10	13	8	13	8	6	12	15	17
K1567	15	14	8	9	11	13	10	18	17	13
K1572	19	19	20	21	17	23	16	20	10	16
LD99-11156	17	16	6	10	6	22	21	10	13	18
LG00-6306	9	3	19	16	3	4	2	21	9	23
LG00-6313	3	4	17	17	1	3	4	11	18	12
LS98-0582	11	22	10	5	16	11	23	3	1	2
LS99-2235	22	17	4	14	23	21	24	6	23	15
LS99-3346	21	21	12	18	24	13	21	5	11	21

*Data not included in mean.

UNIFORM TEST IV, 2003

YIELD RANK

Strain	Ashland KS	Manhattan KS	Ottawa KS	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LN97-15076 (IV)	7	13	17	3	11	4	7	2	6
LS93-0375 (SCN)	21	18	16	7	14	1	21	17	13
Macon (III)	12	2	22	4	8	6	5	9	2
Strong (dt1)	22	15	22	11	23	24	23	23	15
HC94-422BC	24	21	24	20	24	16	22	22	22
HC96-182PR	17	11	4	1	22	18	17	15	5
HC97-235PR	11	6	14	14	4	13	12	4	23
HC97-1691	4	6	14	10	5	6	8	4	20
HC99-1261	23	24	21	18	13	3	24	21	4
HC99-2752	9	9	7	8	2	5	3	4	14
HC99-2762	3	12	17	2	6	20	13	1	3
HC99-2763	1	13	10	4	3	22	1	3	15
HF00-196	16	4	3	15	18	17	14	14	7
K1514	2	3	19	9	10	9	20	10	8
K1563	4	16	13	12	15	14	11	18	1
K1566	6	9	2	16	21	15	5	12	12
K1567	8	19	1	13	20	9	18	13	19
K1572	14	22	5	6	7	23	19	16	18
LD99-11156	19	22	20	16	1	19	9	8	21
LG00-6306	15	1	11	22	19	8	2	11	11
LG00-6313	13	5	6	21	9	2	4	7	9
LS98-0582	10	8	7	19	16	9	15	20	10
LS99-2235	18	20	12	24	12	12	10	24	24
LS99-3346	20	17	9	23	17	21	16	18	17

UNIFORM TEST IV, 2003

MATURITY (date)

Strain	Mean 14 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Middletown DE	Belleville IL	Harrisburg IL	Newtown IL	Urbana IL	Lafayette IN
LN97-15076 (IV)	10/2		8/23	8/11	10/13	10/5	9/28	9/27	9/27	10/5
LS93-0375 (SCN)	-0.3		0	3	0	1	0	0	2	-1
Macon (III)	-4.2		-7	-1	0	-8	-3	-3	-4	-10
Strong (dt1)	-1.0		-7	-7	-5	3	3	1	-1	0
HC94-422BC	-1.4		-5	-7	-6	1	2	0	0	0
HC96-182PR	0.2		0	1	-2	2	0	1	1	3
HC97-235PR	0.6		0	4	-2	1	2	2	3	3
HC97-1691	0.9		0	0	0	0	2	4	1	2
HC99-1261	-1.6		-5	-2	0	0	1	-2	0	-3
HC99-2752	1.8		11	4	-4	3	3	6	3	4
HC99-2762	-2.0		0	0	1	-3	-2	-2	-2	-5
HC99-2763	-0.3		0	0	-2	0	-0	0	0	-2
HF00-196	0.9		0	3	-1	1	2	1	0	-1
K1514	-1.1		2	0	-2	0	-1	-2	0	-3
K1563	-0.7		0	-2	-2	0	1	0	1	-2
K1566	2.1		0	5	2	3	1	0	2	2
K1567	3.5		0	4	2	4	4	5	4	4
K1572	2.3		0	0	0	3	2	4	3	0
LD99-11156	-1.8		0	1	-3	-3	-3	-2	-2	-4
LG00-6306	0.5		0	-1	-1	1	2	0	-1	0
LG00-6313	2.0		-1	3	1	3	2	5	2	1
LS98-0582	2.1		2	6	-1	3	2	4	4	1
LS99-2235	1.3		11	7	0	-1	3	3	4	4
LS99-3346	1.8		2	1	0	1	1	4	4	2
Date Planted	5/25	4/21	4/15	4/15	6/17	5/23	5/28	5/28	5/13	5/24
Days to Mature	130		130	118	118	135	123	122	137	134

*Data not included in mean.

UNIFORM TEST IV, 2003

MATURITY (date)

Strain	Ashland KS	Manhattan KS	Ottawa KS	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LN97-15076 (IV)	10/3	9/29		10/3	10/14	10/2	9/26	9/28	10/5
LS93-0375 (SCN)	-1	-0		-1	0	2	0	-5	0
Macon (III)	-6	-1		-6	-3	-1	1	-5	-11
Strong (dt1)	3	1		2	-5	-3	-1	-10	-2
HC94-422BC	2	2		1	-6	-2	-1	-10	-2
HC96-182PR	-2	-1		2	-1	3	0	-5	1
HC97-235PR	1	0		3	1	0	-1	-5	1
HC97-1691	1	1		3	2	-1	0	-3	1
HC99-1261	0	3		-4	-5	0	1	-9	-4
HC99-2752	2	4		3	3	1	-1	-2	1
HC99-2762	-1	-2		-2	-1	-2	1	-3	-5
HC99-2763	0	1		-1	0	1	0	0	-2
HF00-196	4	5		2	1	3	1	-3	-1
K1514	2	0		-4	0	2	-1	-3	-4
K1563	-1	3		0	-2	1	1	-8	-1
K1566	4	6		2	1	4	3	0	0
K1567	4	7		2	2	7	3	0	1
K1572	4	5		1	1	7	2	0	-1
LD99-11156	1	-1		1	0	-1	0	-5	-2
LG00-6306	1	4		2	-1	4	1	-4	-2
LG00-6313	2	7		3	1	4	1	-3	0
LS98-0582	6	6		3	0	6	1	-7	0
LS99-2235	1	2		3	0	1	2	-5	1
LS99-3346	3	3		3	0	6	1	-5	1
Date Planted	5/15	5/28	6/10	5/14	6/30	5/28	5/15	5/23	4/28
Days to Mature	141	124		142	106	127	134	128	160

UNIFORM TEST IV, 2003

LODGING (score)

Strain	Mean 14 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Middletown DE	Belleville IL	Harrisburg IL	Newtown IL	Urbana IL	Lafayette IN
LN97-15076 (IV)	1.7	1.0	1.0	1.0	2.0	1.0	2.7	2.8	1.2	1.0
LS93-0375 (SCN)	1.4	1.0	1.0	1.0	1.0	1.0	1.0	3.5	1.0	1.0
Macon (III)	1.7	1.0	1.0	1.0	2.0	1.0	2.0	3.2	1.2	1.0
Strong (dt1)	1.2	1.0	1.0	1.0	1.0	1.0	1.0	2.5	1.0	1.0
HC94-422BC	1.2	1.0	1.0	1.0	1.0	1.0	1.0	2.5	1.0	1.0
HC96-182PR	1.5	1.0	1.0	1.0	1.0	1.0	2.0	3.2	1.2	1.0
HC97-235PR	1.8	1.0	1.0	1.0	2.0	1.0	2.7	3.2	1.7	1.2
HC97-1691	2.1	1.0	1.0	1.0	3.0	1.0	3.7	3.2	1.7	1.0
HC99-1261	1.4	1.0	1.0	1.0	2.0	1.0	1.0	3.2	1.3	1.0
HC99-2752	2.0	1.0	1.0	1.0	1.0	1.0	3.7	3.0	1.8	1.2
HC99-2762	1.5	1.0	1.0	1.0	1.0	1.0	1.3	3.3	1.0	1.0
HC99-2763	1.6	1.0	1.0	1.0	1.0	1.0	2.0	3.5	1.2	1.0
HF00-196	1.6	1.0	1.0	1.0	1.0	1.0	2.0	3.3	1.2	1.0
K1514	1.6	1.0	1.0	1.0	2.0	1.0	1.0	3.5	1.0	1.0
K1563	1.3	1.0	1.0	1.0	2.0	1.0	1.0	2.3	1.0	1.0
K1566	1.7	1.0	1.0	1.0	2.0	1.0	1.7	3.3	1.2	1.0
K1567	1.8	1.0	1.0	1.0	2.0	1.0	1.7	3.2	1.5	1.0
K1572	1.7	1.0	1.0	1.0	1.0	1.0	1.7	3.2	1.7	1.2
LD99-11156	2.0	1.0	1.0	1.0	2.0	1.0	3.3	4.0	1.3	1.0
LG00-6306	2.2	1.0	1.0	1.0	1.0	1.0	4.0	3.3	1.3	1.2
LG00-6313	2.0	1.0	1.0	1.0	1.0	1.0	4.0	3.0	1.5	1.0
LS98-0582	1.8	1.0	1.0	1.0	1.0	1.0	2.3	3.5	1.8	1.2
LS99-2235	2.1	1.0	1.0	1.0	2.0	1.0	2.3	3.3	2.8	1.2
LS99-3346	1.5	1.0	1.0	1.0	1.0	1.0	1.0	3.0	1.0	1.2

*Data not included in mean.

UNIFORM TEST IV, 2003

LODGING (score)

Strain	Ashland KS	Manhattan KS	Ottawa KS	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LN97-15076 (IV)	2.0	1.0	1.0	2.2	2.8	1.0	1.0	1.5	
LS93-0375 (SCN)	1.3	1.0	1.0	1.8	2.3	1.0	1.0	1.0	
Macon (III)	2.0	1.0	1.0	2.0	3.2	1.0	1.0	1.5	
Strong (dt1)	1.0	1.0	1.0	1.5	1.2	1.0	1.0	1.5	
HC94-422BC	1.0	1.0	1.0	1.0	1.2	1.0	1.0	1.5	
HC96-182PR	2.0	1.0	1.0	2.3	2.3	1.0	1.5	1.0	
HC97-235PR	2.0	1.0	1.0	2.7	3.0	1.0	1.0	2.0	
HC97-1691	2.7	2.0	1.0	2.7	3.5	1.0	1.5	2.0	
HC99-1261	1.0	1.0	1.0	1.7	1.5	1.0	1.5	1.5	
HC99-2752	3.0	2.0	1.0	2.8	3.3	1.0	1.0	2.0	
HC99-2762	2.0	1.0	1.0	2.2	2.5	1.0	1.5	1.5	
HC99-2763	2.3	1.0	1.0	2.2	2.5	1.0	1.0	1.5	
HF00-196	3.0	1.0	1.0	2.3	2.5	1.0	1.0	1.5	
K1514	2.0	1.3	1.0	2.0	3.2	1.0	1.0	1.5	
K1563	1.3	1.0	1.0	1.5	2.7	1.0	1.0	1.0	
K1566	2.0	1.3	1.0	2.2	2.7	1.0	1.5	2.0	
K1567	3.0	1.3	1.0	2.7	2.8	1.0	1.5	2.0	
K1572	3.0	1.3	1.0	2.7	2.5	1.0	1.5	1.5	
LD99-11156	3.3	1.0	1.0	2.7	3.2	1.0	1.0	1.5	
LG00-6306	3.7	2.7	1.0	3.5	3.0	1.0	1.5	2.5	
LG00-6313	3.7	1.7	1.0	3.2	2.5	1.0	2.0	2.0	
LS98-0582	2.3	1.7	1.0	2.3	3.2	1.0	1.5	1.5	
LS99-2235	2.7	1.0	1.0	3.0	3.5	1.0	2.0	3.0	
LS99-3346	2.3	1.3	1.0	2.5	2.0	1.0	1.0	1.5	

UNIFORM TEST IV, 2003

PLANT HEIGHT (inches)

Strain	Mean 15 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Middletown DE	Belleville IL	Harrisburg IL	Newtown IL	Urbana IL	Lafayette IN
LN97-15076 (IV)	33	21	23	24	28	33	40	38	40	36
LS93-0375 (SCN)	31	25	19	23	31	30	38	37	34	31
Macon (III)	30	16	18	19	29	29	35	35	35	33
Strong (dt1)	19	8	10	10	16	20	22	28	21	24
HC94-422BC	17	7	18	9	13	18	22	26	21	23
HC96-182PR	33	31	26	24	30	33	44	40	39	34
HC97-235PR	33	20	24	24	33	31	41	37	41	35
HC97-1691	35	23	23	24	34	36	45	42	42	36
HC99-1261	23	9	10	10	35	18	29	26	23	29
HC99-2752	32	24	25	25	16	33	42	38	44	41
HC99-2762	29	21	21	20	34	28	35	35	34	29
HC99-2763	31	27	23	20	28	30	40	35	35	35
HF00-196	33	18	20	19	26	31	42	39	39	37
K1514	30	22	20	17	26	29	37	37	36	35
K1563	26	20	20	15	22	26	33	35	31	28
K1566	30	22	21	21	27	27	35	35	35	31
K1567	33	24	20	23	33	31	38	38	37	38
K1572	31	21	22	19	29	29	38	40	38	36
LD99-11156	32	20	21	21	27	31	38	37	37	34
LG00-6306	31	23	21	16	28	32	40	36	36	33
LG00-6313	32	21	23	16	32	32	41	39	37	35
LS98-0582	34	19	21	22	32	32	40	40	43	37
LS99-2235	32	19	22	21	28	29	37	38	38	35
LS99-3346	32	21	22	19	23	31	38	40	40	38

*Data not included in mean.

UNIFORM TEST IV, 2003

PLANT HEIGHT (inches)

Strain	Ashland KS	Manhattan KS	Ottawa KS	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LN97-15076 (IV)	45	35	24	43	2.8	29	26	38	34
LS93-0375 (SCN)	39	36	23	40	2.3	26	23	34	34
Macon (III)	41	34	21	40	3.2	27	24	33	32
Strong (dt1)	22	22	15	26	1.2	20	9	14	20
HC94-422BC	19	22	14	24	1.2	17	9	14	17
HC96-182PR	43	40	25	45	2.3	27	24	39	35
HC97-235PR	44	37	23	40	3.0	31	23	35	37
HC97-1691	48	41	24	43	3.5	30	25	37	37
HC99-1261	24	24	16	29	1.5	20	29	14	21
HC99-2752	51	39	25	45	3.3	28	9	37	32
HC99-2762	38	35	22	38	2.5	23	28	30	30
HC99-2763	44	36	24	39	2.5	25	21	33	33
HF00-196	44	38	23	42	2.5	29	25	40	39
K1514	40	38	23	40	3.2	26	21	28	34
K1563	38	32	20	36	2.7	22	19	24	29
K1566	41	34	23	38	2.7	25	24	32	33
K1567	48	38	27	42	2.8	28	24	37	34
K1572	41	36	25	44	2.5	23	19	37	34
LD99-11156	44	35	24	38	3.2	27	26	40	36
LG00-6306	45	39	20	39	3.0	27	24	35	34
LG00-6313	44	37	19	43	2.5	24	22	37	32
LS98-0582	43	38	26	44	3.2	28	28	35	39
LS99-2235	46	34	22	43	3.5	26	27	36	37
LS99-3346	47	39	25	43	2.0	29	25	30	35

UNIFORM TEST IV, 2003

SEED SIZE (g/100)

Strain	Mean 14 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Middletown DE	Belleville IL	Harrisburg IL	Newtown IL	Urbana IL	Lafayette IN
LN97-15076 (IV)	15.6					14.6	14.5	15.6	15.7	15.8
LS93-0375 (SCN)	15.4					15.3	14.6	12.8	13.6	15.8
Macon (III)	15.9					14.7	14.9	14.2	14.0	15.1
Strong (dt1)	16.2					16.9	17.1	13.9	14.9	14.9
HC94-422BC	16.0					16.0	17.2	14.1	15.8	14.9
HC96-182PR	14.3					13.5	14.2	14.8	15.2	14.3
HC97-235PR	13.7					12.8	13.2	13.8	13.6	12.5
HC97-1691	13.1					11.7	12.5	14.1	14.6	11.9
HC99-1261	13.6					13.5	14.0	13.5	14.5	11.7
HC99-2752	15.0					14.5	14.2	14.1	15.6	14.0
HC99-2762	16.3					15.1	15.0	14.5	15.3	16.3
HC99-2763	15.2					14.2	14.3	15.1	16.0	16.0
HF00-196	16.8					16.9	15.8	14.4	14.5	17.0
K1514	14.9					14.1	13.9	13.8	13.9	15.7
K1563	15.2					15.2	14.1	14.4	15.8	13.7
K1566	15.2					14.2	14.8	14.2	14.7	15.2
K1567	16.6					15.8	15.8	14.8	15.3	15.5
K1572	16.1					15.2	14.8	15.6	16.3	15.9
LD99-11156	16.0					14.3	15.9	14.0	14.5	15.5
LG00-6306	17.8					16.1	18.5	14.7	16.0	17.5
LG00-6313	16.9					15.6	16.2	14.9	15.4	17.1
LS98-0582	14.2					13.1	13.2	14.0	13.8	13.8
LS99-2235	14.8					14.7	14.2	13.6	15.2	15.1
LS99-3346	14.0					13.6	13.0	14.7	14.2	13.4

*Data not included in mean.

UNIFORM TEST IV, 2003

SEED SIZE (g/100)

Strain	Ashland KS	Manhattan KS	Ottawa KS	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LN97-15076 (IV)	15.7	13.5	17.7	18.0	14.9	16.0	15.7	14.9	16.5
LS93-0375 (SCN)	16.3	13.1	18.9	18.1	14.3	18.0	14.2	13.4	17.3
Macon (III)	17.4	14.2	17.2	20.1	15.5	14.0	17.4	16.6	16.9
Strong (dt1)	20.6	15.5	16.4	21.7	13.4	14.0	15.8	14.5	17.1
HC94-422BC	19.9	14.0	16.1	20.8	13.7	15.0	15.8	14.3	16.7
HC96-182PR	14.9	11.7	16.7	16.8	13.4	14.0	13.7	12.9	14.8
HC97-235PR	15.8	12.8	16.6	15.7	13.0	13.0	12.9	12.1	14.1
HC97-1691	14.5	11.8	14.5	14.2	12.0	13.0	11.7	12.9	13.4
HC99-1261	17.0	11.7	15.3	16.2	11.9	13.0	11.8	12.3	14.4
HC99-2752	16.3	12.6	18.0	16.4	13.8	16.0	16.4	13.2	14.9
HC99-2762	19.2	13.5	17.8	19.0	15.7	17.0	16.3	16.6	17.0
HC99-2763	17.5	12.7	17.2	15.8	14.3	15.0	15.4	13.8	15.5
HF00-196	18.1	14.4	20.9	18.6	14.2	19.0	17.0	15.8	18.5
K1514	17.6	12.6	17.3	16.2	15.1	15.0	13.7	14.2	15.3
K1563	16.4	14.7	17.1	16.9	14.1	15.0	15.0	13.9	16.1
K1566	16.0	13.3	18.4	16.5	13.9	16.0	16.3	13.7	15.7
K1567	18.1	14.7	21.5	17.8	15.1	20.0	16.0	14.6	16.9
K1572	16.8	12.7	20.5	18.0	15.0	17.0	17.6	14.3	15.6
LD99-11156	17.5	14.7	17.8	19.0	15.4	16.0	14.7	15.9	18.4
LG00-6306	20.9	17.1	20.5	21.2	16.0	18.0	17.2	15.2	20.0
LG00-6313	17.2	15.2	21.6	20.1	15.4	18.0	16.1	14.5	18.8
LS98-0582	15.3	13.2	14.8	15.4	13.7	16.0	15.4	11.9	15.4
LS99-2235	15.9	12.8	18.3	16.6	13.9	16.0	12.6	12.8	15.5
LS99-3346	13.8	12.8	15.1	15.5	14.0	13.0	15.2	12.0	15.6

UNIFORM TEST IV, 2003

SEED QUALITY (score)

Strain	Mean 13 Tests	Keiser* irrigated AR	Pine Tree* irrigated AR	Rohwer* irrigated AR	Middletown DE	Belleville IL	Harrisburg IL	Newtown IL	Urbana IL	Lafayette IN
LN97-15076 (IV)	1.6			2.3		1.0	1.0	1.5	1.5	1.0
LS93-0375 (SCN)	1.7			2.3		1.0	1.0	1.5	2.0	1.0
Macon (III)	1.7			4.0		1.0	1.0	1.5	2.0	1.0
Strong (dt1)	1.7			4.0		1.0	1.0	1.5	2.0	1.0
HC94-422BC	1.6			4.0		1.0	1.0	1.5	1.5	1.0
HC96-182PR	1.7			2.0		1.0	1.0	1.5	2.0	1.0
HC97-235PR	1.7			1.0		1.0	1.0	1.5	2.0	1.0
HC97-1691	1.7			1.3		1.0	1.0	1.5	2.0	1.0
HC99-1261	1.6			4.0		1.0	1.0	1.5	2.0	1.0
HC99-2752	1.6			1.7		1.0	1.0	1.5	2.0	1.0
HC99-2762	1.6			2.7		1.0	1.0	1.5	1.5	1.0
HC99-2763	1.7			1.3		1.0	1.0	1.5	1.5	1.0
HF00-196	1.7			2.0		1.0	1.0	2.0	2.0	1.0
K1514	1.6			2.7		1.0	1.0	1.5	1.5	1.0
K1563	1.7			3.3		1.0	1.0	1.5	2.0	1.0
K1566	1.6			1.3		1.0	1.0	2.0	2.0	1.0
K1567	1.8			2.7		1.0	1.0	2.0	2.0	1.0
K1572	2.1			4.3		1.0	1.0	2.0	2.0	1.0
LD99-11156	1.9			2.0		1.0	1.0	2.0	2.0	1.0
LG00-6306	1.8			4.3		1.0	1.0	2.0	2.0	1.0
LG00-6313	1.8			3.7		1.0	1.0	2.0	2.0	1.0
LS98-0582	1.7			1.0		1.0	1.0	1.5	2.0	1.0
LS99-2235	1.9			2.3		1.0	1.0	1.5	2.0	1.0
LS99-3346	1.5			3.0		1.0	1.0	2.0	2.0	1.0

*Data not included in mean.

UNIFORM TEST IV, 2003

SEED QUALITY (score)

Strain	Ashland KS	Manhattan KS	Ottawa KS	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LN97-15076 (IV)	1.0	2.0	2.0	1.0	1.0	2.0	3.0	3.0	
LS93-0375 (SCN)	2.0	2.0	2.0	1.0	1.0	2.0	3.0	3.0	
Macon (III)	2.0	2.0	2.0	1.0	1.0	2.0	3.0	3.0	
Strong (dt1)	1.0	2.0	2.0	1.0	1.0	2.0	4.0	2.0	
HC94-422BC	1.0	2.0	2.0	1.0	1.0	2.0	3.0	3.0	
HC96-182PR	2.0	2.0	2.0	1.0	1.0	2.0	3.0	3.0	
HC97-235PR	2.0	2.0	2.0	1.0	1.0	2.0	2.0	3.0	
HC97-1691	2.0	2.0	2.0	1.0	1.0	1.0	3.0	3.0	
HC99-1261	1.0	2.0	2.0	1.0	1.0	1.0	3.0	3.0	
HC99-2752	1.0	2.0	2.0	1.0	1.0	2.0	3.0	2.0	
HC99-2762	2.0	2.0	2.0	1.0	1.0	2.0	3.0	2.0	
HC99-2763	2.0	2.0	2.0	1.0	1.0	2.0	3.0	3.0	
HF00-196	2.0	2.0	2.0	1.0	1.5	2.0	2.0	2.0	
K1514	1.0	2.0	3.0	1.0	1.0	2.0	3.0	2.0	
K1563	1.0	2.0	3.0	1.0	1.2	1.0	3.0	4.0	
K1566	1.0	2.0	3.0	1.0	1.0	2.0	2.0	2.0	
K1567	2.0	2.0	3.0	1.0	1.0	3.0	3.0	2.0	
K1572	3.0	2.0	3.0	1.0	1.0	3.0	4.0	3.0	
LD99-11156	3.0	2.0	2.0	1.0	1.0	3.0	3.0	3.0	
LG00-6306	2.0	3.0	3.0	1.0	1.0	2.0	2.0	2.0	
LG00-6313	2.0	2.0	3.0	1.0	1.0	2.0	3.0	3.0	
LS98-0582	2.0	2.0	2.0	1.0	1.0	2.0	3.0	2.0	
LS99-2235	1.0	3.0	2.0	1.0	1.0	2.0	4.0	4.0	
LS99-3346	1.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	

UNIFORM TEST IV, 2003

PROTEIN (%)

Strain	Mean 5 Tests	Newton IL	Urbana IL	Lafayette IN	Ashland KS	Lexington KY
LN97-15076 (IV)	40.9	42.6	39.0	40.8	41.2	41.0
LS93-0375 (SCN)	41.0	42.1	38.2	40.8	41.8	42.0
Macon (III)	40.8	42.0	39.6	40.5	40.8	41.2
Strong (dt1)	40.7	41.8	39.6	40.3	39.7	41.8
HC94-422BC	40.5	42.3	38.8	40.1	40.1	41.3
HC96-182PR	42.2	42.8	40.2	42.4	42.1	43.7
HC97-235PR	42.8	43.4	40.5	42.4	43.7	44.1
HC97-1691	42.1	40.6	38.7	42.7	43.7	45.0
HC99-1261	40.4	41.9	38.5	39.5	40.8	41.2
HC99-2752	40.8	41.1	38.6	39.5	41.9	42.7
HC99-2762	41.2	40.3	39.1	41.5	42.1	42.8
HC99-2763	40.5	40.8	38.7	39.9	41.1	42.1
HF00-196	41.6	42.3	39.7	41.1	41.3	43.3
K1514	39.3	40.3	37.6	38.9	39.4	40.5
K1563	39.2	39.3	37.7	37.8	39.1	41.9
K1566	40.9	40.1	39.6	40.1	41.6	43.1
K1567	38.6	39.8	37.5	38.7	37.9	39.1
K1572	40.2	40.8	38.8	40.1	40.7	40.5
LD99-11156	41.2	41.8	38.0	40.9	41.2	43.9
LG00-6306	40.0	41.6	39.9	40.0	38.7	39.6
LG00-6313	39.4	39.6	38.9	40.1	38.8	39.3
LS98-0582	40.5	40.6	39.6	39.3	41.9	41.3
LS99-2235	40.1	39.6	37.7	40.4	41.1	41.6
LS99-3346	40.6	41.4	39.8	40.0	39.9	42.0

UNIFORM TEST IV, 2003

OIL (%)

Strain	Mean 5 Tests	Newton IL	Urbana IL	Lafayette IN	Ashland KS	Lexington KY
LN97-15076 (IV)	20.2	20.3	21.8	20.0	19.8	19.1
LS93-0375 (SCN)	19.6	20.3	19.9	19.8	18.8	19.5
Macon (III)	20.2	20.6	20.6	20.4	19.5	20.0
Strong (dt1)	20.5	20.1	21.3	20.6	20.8	19.7
HC94-422BC	20.2	20.0	21.3	19.9	19.8	20.1
HC96-182PR	20.6	20.9	21.2	20.6	20.2	20.2
HC97-235PR	19.7	20.5	20.5	19.0	19.2	19.1
HC97-1691	20.6	19.9	21.0	20.5	20.3	21.1
HC99-1261	19.9	20.0	21.0	19.9	19.5	19.3
HC99-2752	19.9	19.7	21.1	19.9	19.2	19.8
HC99-2762	20.5	19.8	21.0	20.6	20.2	20.7
HC99-2763	20.7	20.1	20.5	21.5	20.6	20.6
HF00-196	19.9	20.5	20.8	19.8	19.3	19.2
K1514	20.8	21.0	22.0	20.1	20.3	20.7
K1563	20.8	20.7	21.1	22.1	20.5	19.9
K1566	20.2	19.5	20.7	21.0	20.0	19.7
K1567	20.7	20.9	21.9	20.3	20.2	20.5
K1572	20.5	20.1	20.9	20.9	19.8	20.6
LD99-11156	20.6	20.4	21.2	19.1	21.6	20.6
LG00-6306	19.9	20.4	20.5	19.6	19.3	19.8
LG00-6313	19.5	19.4	20.8	19.2	18.4	19.5
LS98-0582	19.6	19.9	20.6	20.1	18.7	18.8
LS99-2235	20.3	20.7	21.4	19.4	19.8	19.9
LS99-3346	20.0	19.8	20.7	20.4	19.5	19.8

PreliminaryTest IV, 2003

Ent.	Strain	Parentage	Generation Composited	Unique Traits
1	LN97-15076 (IV)	Macon x Stressland	F5	
2.	LS93-0375 (SCN)	Asgrow A3935 x Pioneer P9402	F6	SCN
3.	Macon (III)	Sherman x Resnik	F5	
4.	Strong (dt1)	Sprite 87 x HC85-6577	F5	dt1
5.	HC97-4770	T90-6 X Charleston BC	F5	dt, SCN
6.	HC99-1289	Mustang x HC93-21PR	F5	dt, SCN
7.	HC99-1368	Mustang x HC94-82PR	F5	dt, SCN
8.	HC99-1935	Mustang x Sprite 87	F5	dt, SCN
9.	HC00-2773	Hobbit 87 x Jack	F5	Dt1, SCN
10.	HC00-2787	Hobbit 87 x Jack	F8	dt, SCN
11.	K1595	U93-2412 x Stressland	F5	
12.	K1596	Manokin x LN93-11586	F5	
13.	K1597	U95-3734 x DeKalbBCX445	F5	
14.	K1598	DekalbBCX445 x NK S46-44	F5	
15.	K1599	DekalbBCX445 x NK S46-44	F5	
16.	LG00-6293	PI 574.480 X PI 574.477	F6	
17.	LG00-6304	PI 574.480 X PI 574.477	F6	
18.	LG00-6715	LG92-1350 X Macon	F6	
19.	LS00-0716	LS92-0185 x Dekalb 411	F6	SCN
20.	LS00-1109	LS92-0185 x Dekalb 445	F6	SCN
21.	LS00-2069	TN91-55 x Dekalb 411	F6	SCN
22.	LS00-2920	LS92-4173 x Asgrow 4138	F6	SCN
23.	LS00-4953	LS92-4173 x Asgrow 4138	F6	SCN
24.	Md 00-5822	LG 91-7350 X Corsica	F5	
25.	U01-310136	UP3YC1S3	S3:4	

PRELIMINARY TEST IV, 2003

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Green Stem Score Jackson TN	Shattering Score Ashland KS	Lafayette Race 4	Lafayette Race 7	PS Lafayette a %	P&SB Lafayette n %
LN97-15076 (IV)	WTBDYBlI	1.5	1.0	S	S	8	6
LS93-0375 (SCN)	PTBDYBlI	3.0	2.0	S	R	2	4
Macon (III)	WTBIYBlI	2.5	2.0	S	S	8	0
Strong (dt1)	WTTDYBlD	2.0	1.0	S	R	4	0
HC97-4770	WTTIYBlD	2.0	1.0	S	R*	0	0
HC99-1289	WTTDYBlD	1.0	1.0	S	S	0	0
HC99-1368	WGTDYBfD	1.0	1.0	S	S	2	0
HC99-1935	PTTIYBlD	1.0	1.0	S	S	0	0
HC00-2773	WGBDYLbfD	2.0	2.0	H	R	8	2
HC00-2787	WGTIYLbfD	1.0	1.0	S	S	0	0
K1595	WTBDYBlI	3.0	1.0	S	S	6	0
K1596	WTBDYBlI	1.5	1.0	S	R	8	2
K1597	WGBDYBfI	1.0	1.0	S	R	0	0
K1598	WTBDYBlI	2.0	1.0	S	R	10	2
K1599	P+WTBDYBlI	3.5		S	R	0	0
LG00-6293	PTBDYBlI	1.5	1.0	S	S	2	0
LG00-6304	PTTDYLblI	3.5	1.0	S	S	2	0
LG00-6715	WGBIYBfI	4.5	1.0	S	S	0	0
LS00-0716	WTTDYBlI	4.0	1.0	S	S	12	0
LS00-1109	WTTDYBlI	1.5	1.0	S	S	4	4
LS00-2069	PTTDYLblI	3.0	1.0	S	R	6	0
LS00-2920	WTTDYBlI	1.0	1.0	S	S	0	0
LS00-4953	WTTDYBlI	2.0	1.0	S	S	6	2
Md 00-5822	PTTDYLblI	1.0	1.0	S	S	4	0
U01-310136	PTTDYBrI	2.0	1.0	S	R	4	0

* = entry being retested.

PRELIMINARY TEST IV, 2003

REGIONAL SUMMARY

No. of Tests StraIL	Yield 10 bu/a	Rank 10 No.	Maturity 11 Date	Lodging 11 Score	Plant Height 11 IL.	Seed Size 11 g/100	Seed Quality 10 Score	Composition Protein 5 %	 Oil 5 %
LN97-15076 (IV)	55.6	3	9/30	1.7	36	15.9	1.7	40.6	20.4
LS93-0375 (SCN)	54.2	8	0.0	1.4	33	16.0	1.6	41.1	19.7
Macon (III)	55.5	4	-3.3	1.5	34	16.4	1.7	40.6	20.3
Strong (dt1)	47.7	23	0.0	1.2	21	16.6	1.6	40.6	20.2
HC97-4770	52.1	16	0.5	1.2	21	15.3	1.6	41.6	20.3
HC99-1289	47.3	24	-2.5	1.2	20	13.2	1.7	41.3	19.1
HC99-1368	47.8	22	1.1	1.0	19	14.0	1.6	41.0	19.9
HC99-1935	53.5	12	-0.9	1.3	22	14.0	1.7	40.7	19.9
HC00-2773	53.9	9	1.9	2.2	39	16.0	1.8	40.6	20.5
HC00-2787	49.4	21	-0.6	1.1	22	12.8	1.6	39.7	20.2
K1595	52.0	17	-2.2	1.6	33	14.1	1.5	40.0	21.0
K1596	53.2	14	2.3	1.9	33	14.2	1.6	39.8	19.9
K1597	53.8	10	1.2	1.8	37	14.8	1.8	39.7	20.3
K1598	51.6	19	3.0	2.1	39	14.7	1.7	40.7	19.6
K1599	57.4	1	4.7	1.4	36	13.6	1.7	39.8	19.7
LG00-6293	55.8	2	0.7	2.4	37	16.6	1.7	40.9	19.7
LG00-6304	54.4	7	-4.7	1.5	31	16.0	2.0	40.4	20.1
LG00-6715	54.5	6	2.0	2.6	43	15.6	1.8	40.6	20.1
LS00-0716	53.4	13	4.6	1.7	39	16.7	1.7	40.2	20.0
LS00-1109	53.2	14	2.6	2.4	37	14.6	1.6	41.7	18.9
LS00-2069	51.7	18	2.6	2.0	39	14.5	1.9	41.4	19.9
LS00-2920	53.6	11	5.2	2.4	35	14.9	1.8	39.4	19.1
LS00-4953	51.0	20	2.6	1.9	35	16.6	1.8	38.5	19.6
Md 00-5822	47.0	25	0.6	1.7	36	13.7	1.6	40.7	19.1
U01-310136	54.7	5	0.0	2.4	38	16.2	1.8	40.3	20.5

132.5 Days After Planting

PRELIMINARY TEST IV, 2003

YIELD (bu/a)

Strain	Mean 10 Tests	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS
LN97-15076 (IV)	55.6	50.0	57.2	62.2	45.8	60.0
LS93-0375 (SCN)	54.2	51.0	55.7	57.9	50.8	62.5
Macon (III)	55.5	54.3	59.0	61.1	45.8	54.7
Strong (dt1)	47.7	44.9	55.4	47.1	42.8	56.3
HC97-4770	52.1	57.2	68.4	53.6	48.3	52.4
HC99-1289	47.3	42.7	61.2	54.3	45.7	47.2
HC99-1368	47.8	49.2	59.7	53.8	48.3	47.6
HC99-1935	53.5	43.8	55.4	52.5	48.8	62.8
HC00-2773	53.9	50.3	57.9	65.2	48.3	66.2
HC00-2787	49.4	47.1	64.1	57.4	50.9	49.4
K1595	52.0	44.9	56.8	59.3	49.3	67.9
K1596	53.2	49.6	58.3	66.2	42.6	69.0
K1597	53.8	51.8	57.6	65.3	47.3	64.7
K1598	51.6	49.6	55.4	60.2	46.3	56.2
K1599	57.4	57.2	56.8	69.3	47.8	
LG00-6293	55.8	52.5	58.6	65.0	48.1	65.0
LG00-6304	54.4	52.9	59.7	62.2	42.8	62.3
LG00-6715	54.5	51.4	61.5	67.8	48.3	52.9
LS00-0716	53.4	48.1	61.9	62.7	53.2	54.7
LS00-1109	53.2	51.8	59.4	61.8	50.0	54.1
LS00-2069	51.7	57.6	58.6	59.7	49.0	52.4
LS00-2920	53.6	53.2	57.9	59.4	49.2	54.3
LS00-4953	51.0	51.0	50.0	59.5	48.9	57.6
Md 00-5822	47.0	39.5	55.4	54.5	41.5	50.6
U01-310136	54.7	49.6	58.3	58.7	51.0	58.8
C.V. (%)		9.9	7.0	6.4	7.2	9.7
L.S.D. (5%)		10.3	8.4	8.0	7.1	11.2
Row Sp. (IN.)		30	30	30	24	30
Rows/Plot		4	4	4	4	4
Reps		2	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST IV, 2003

YIELD (bu/a)

Strain	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Loam) MO	So. Charleston OH	Jackson* TN
LN97-15076 (IV)	83.9	41.6	44.4	59.4	51.7	36.8
LS93-0375 (SCN)	75.9	39.8	42.4	50.6	55.8	38.0
Macon (III)	72.9	41.9	44.1	63.5	58.1	36.0
Strong (dt1)	69.0	35.7	39.2	40.7	45.4	29.6
HC97-4770	64.2	40.4	42.4	43.2	50.5	29.1
HC99-1289	69.3	35.3	41.1	36.2	40.3	22.3
HC99-1368	65.7	20.1	47.4	38.3	47.9	26.4
HC99-1935	73.8	45.3	45.6	53.1	53.5	15.8
HC00-2773	79.0	37.8	36.6	55.7	42.1	32.2
HC00-2787	60.5	36.7	36.0	38.7	53.0	20.4
K1595	70.5	45.8	26.9	49.1	49.9	36.3
K1596	64.7	42.0	31.8	59.1	48.9	34.4
K1597	69.8	43.9	39.5	54.3	44.3	15.4
K1598	65.6	45.1	39.9	51.4	46.6	40.4
K1599	77.4	47.6	44.4	64.2	51.7	33.9
LG00-6293	71.2	43.8	47.2	54.2	52.8	36.9
LG00-6304	70.6	37.5	45.0	56.8	54.7	26.9
LG00-6715	77.9	44.3	37.7	52.3	50.8	34.4
LS00-0716	71.7	47.2	32.8	55.0	46.8	33.1
LS00-1109	66.9	44.7	39.1	54.7	49.3	35.4
LS00-2069	66.0	36.4	46.8	48.1	42.3	29.6
LS00-2920	67.9	39.3	48.5	58.4	47.5	41.5
LS00-4953	65.9	44.4	42.1	43.4	47.2	29.7
Md 00-5822	65.5	35.9	39.2	43.4	44.2	26.6
U01-310136	73.9	53.8	36.2	64.5	42.4	32.3
C.V. (%)	6.0	12.3	3.3	6.7	13.2	19.2
L.S.D. (5%)	7.3	10.4	2.3	5.9	13.4	12.3
Row Sp. (IN.)	16	24	30	30	15	30
Rows/Plot	6	4	4	4	6	2
Reps	2	2	2	2	2	2

PRELIMINARY TEST IV, 2003

YIELD RANK

Strain	Mean 10 Tests	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS
LN97-15076 (IV)	3	14	17	9	19	9
LS93-0375 (SCN)	8	11	20	18	4	7
Macon (III)	4	4	9	11	19	14
Strong (dt1)	23	21	21	25	22	12
HC97-4770	16	2	1	23	11	20
HC99-1289	24	24	5	21	21	24
HC99-1368	22	18	6	22	11	23
HC99-1935	12	23	21	24	10	6
HC00-2773	9	13	14	5	11	3
HC00-2787	21	20	2	19	3	22
K1595	17	21	18	16	6	2
K1596	14	15	12	3	24	1
K1597	10	8	16	4	17	5
K1598	19	15	21	12	18	13
K1599	1	2	18	1	16	
LG00-6293	2	7	10	6	15	4
LG00-6304	7	6	6	8	22	8
LG00-6715	6	10	4	2	11	18
LS00-0716	13	19	3	7	1	14
LS00-1109	14	8	8	10	5	17
LS00-2069	18	1	10	13	8	19
LS00-2920	11	5	14	15	7	16
LS00-4953	20	11	25	14	9	11
Md 00-5822	25	25	21	20	25	21
U01-310136	5	15	12	17	2	10

PRELIMINARY TEST IV, 2003

YIELD RANK

Strain	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Loam) MO	So. Charleston OH	Jackson TN
LN97-15076 (IV)	1	14	7	4	7	5
LS93-0375 (SCN)	5	16	10	16	2	3
Macon (III)	8	13	9	3	1	7
Strong (dt1)	15	23	16	22	19	16
HC97-4770	24	15	10	21	10	18
HC99-1289	14	24	13	25	25	22
HC99-1368	20	25	2	24	14	21
HC99-1935	7	5	5	13	4	24
HC00-2773	2	18	20	8	24	14
HC00-2787	25	20	22	23	5	23
K1595	12	4	25	17	11	6
K1596	23	12	24	5	13	9
K1597	13	10	15	11	20	25
K1598	21	6	14	15	18	2
K1599	4	2	7	2	7	11
LG00-6293	10	11	3	12	6	4
LG00-6304	11	19	6	7	3	19
LG00-6715	3	9	19	14	9	9
LS00-0716	9	3	23	9	17	12
LS00-1109	17	7	18	10	12	8
LS00-2069	18	21	4	18	23	16
LS00-2920	16	17	1	6	15	1
LS00-4953	19	8	12	19	16	15
Md 00-5822	22	22	16	20	21	20
U01-310136	6	1	21	1	22	13

PRELIMINARY TEST IV, 2003

MATURITY (date)

Strain	Mean 11 Tests	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS
LN97-15076 (IV)	9/30	10/2	9/28	9/28	10/3	10/4
LS93-0375 (SCN)	0.0	4	0	-1	1	-3
Macon (III)	-3.3	-3	-4	-5	-7	-6
Strong (dt1)	0.0	5	2	-2	1	1
HC97-4770	0.5	6	2	-2	4	-1
HC99-1289	-2.5	0	-1	-4	-1	-8
HC99-1368	1.1	5	2	0	5	-3
HC99-1935	-0.9	4	-1	-6	-1	-2
HC00-2773	1.9	5	1	0	0	5
HC00-2787	-0.6	3	1	-2	0	-2
K1595	-2.2	-4	-2	-5	0	1
K1596	2.3	5	0	-1	4	5
K1597	1.2	3	0	0	0	4
K1598	3.0	6	0	2	3	5
K1599	4.7	10	3	3	6	
LG00-6293	0.7	3	0	0	0	1
LG00-6304	-4.7	-2	-4	-5	-9	-4
LG00-6715	2.0	4	2	2	-1	3
LS00-0716	4.6	9	3	3	7	7
LS00-1109	2.6	6	3	2	3	2
LS00-2069	2.6	5	3	2	3	-1
LS00-2920	5.2	11	5	6	8	6
LS00-4953	2.6	7	2	2	5	4
Md 00-5822	0.6	2	-2	-1	0	6
U01-310136	0.0	2	-2	-3	-1	0
Date Planted	5/20	5/23	5/28	5/13	5/24	5/15
Days to Mature	132	132	123	138	132	142

PRELIMINARY TEST IV, 2003

MATURITY (date)

Strain	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Loam) MO	So. Charleston OH	Jackson TN
LN97-15076 (IV)	10/3	10/13	10/1	9/24	9/30	9/16
LS93-0375 (SCN)	-2	0	2	-1	0	0
Macon (III)	-5	-1	1	-2	-3	-1
Strong (dt1)	3	-5	1	-1	0	-4
HC97-4770	0	-3	1	-1	1	-1
HC99-1289	0	-4	3	-3	-3	-6
HC99-1368	2	-5	6	1	2	-3
HC99-1935	0	-2	1	1	-1	-3
HC00-2773	2	1	3	3	1	0
HC00-2787	1	-4	4	-2	0	-6
K1595	-5	1	-1	-4	-3	-2
K1596	3	2	4	1	2	0
K1597	3	2	6	1	0	-5
K1598	3	5	6	1	2	0
K1599	3	3	9	2	3	5
LG00-6293	3	1	7	-2	0	-5
LG00-6304	-9	-4	1	-7	-7	-2
LG00-6715	2	2	4	-1	1	5
LS00-0716	3	3	8	3	3	2
LS00-1109	3	4	9	1	1	-4
LS00-2069	3	2	9	0	1	2
LS00-2920	3	4	10	4	4	-3
LS00-4953	3	2	5	0	1	-1
Md 00-5822	3	3	4	-3	0	-5
U01-310136	0	0	5	1	1	-3
Date Planted	5/14	6/30	5/28	5/23	4/28	5/1
Days to Mature	142	105	126	124	155	138

PRELIMINARY TEST IV, 2003

LODGING (score)

Strain	Mean 11 Tests	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS
LN97-15076 (IV)	1.7	1.0	2.5	1.0	1.0	2.5
LS93-0375 (SCN)	1.4	1.0	1.0	1.0	1.0	2.0
Macon (III)	1.5	1.0	2.0	1.0	1.0	2.5
Strong (dt1)	1.2	1.0	1.0	1.0	1.0	1.0
HC97-4770	1.2	1.0	1.0	1.0	1.3	1.0
HC99-1289	1.2	1.0	1.0	1.0	1.0	1.0
HC99-1368	1.0	1.0	1.0	1.0	1.0	1.0
HC99-1935	1.3	1.0	1.0	1.0	1.5	1.0
HC00-2773	2.2	1.0	2.5	1.8	1.8	3.0
HC00-2787	1.1	1.0	1.0	1.0	1.0	1.0
K1595	1.6	1.0	1.0	1.3	1.0	3.0
K1596	1.9	1.0	1.5	1.3	1.0	2.5
K1597	1.8	1.0	2.0	1.8	1.0	3.0
K1598	2.1	1.0	2.5	1.5	1.0	3.0
K1599	1.4	1.0	1.0	1.3	1.0	
LG00-6293	2.4	1.0	4.0	2.8	1.0	3.5
LG00-6304	1.5	1.0	2.0	1.0	1.0	2.5
LG00-6715	2.6	1.0	4.0	2.3	1.8	2.5
LS00-0716	1.7	1.0	1.0	1.8	1.0	2.5
LS00-1109	2.4	1.0	3.0	2.3	1.5	3.5
LS00-2069	2.0	1.0	2.0	2.0	1.5	2.5
LS00-2920	2.4	1.0	4.0	2.0	1.0	4.0
LS00-4953	1.9	1.0	1.0	1.5	1.0	2.5
Md 00-5822	1.7	1.0	1.0	1.3	1.0	3.0
U01-310136	2.4	1.0	2.5	2.0	1.5	3.5

PRELIMINARY TEST IV, 2003

LODGING (score)

Strain	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Loam) MO	So. Charleston OH	Jackson TN
LN97-15076 (IV)	2.0	2.8	1.0	1.5	2.2	1.0
LS93-0375 (SCN)	2.0	2.0	1.0	1.0	2.1	1.0
Macon (III)	2.0	2.8	1.0	1.5	1.2	1.0
Strong (dt1)	1.8	1.5	1.0	1.0	1.8	1.0
HC97-4770	1.0	1.8	1.0	1.0	2.1	1.0
HC99-1289	1.3	1.8	1.0	1.0	1.7	1.0
HC99-1368	1.0	1.0	1.0	1.0	1.1	1.0
HC99-1935	2.0	1.8	1.0	1.0	2.2	1.0
HC00-2773	2.8	3.0	1.0	1.5	3.4	2.0
HC00-2787	1.3	1.8	1.0	1.0	1.4	1.0
K1595	2.3	3.3	1.0	1.0	1.9	1.0
K1596	2.3	2.3	1.0	1.5	3.6	2.5
K1597	2.3	2.8	1.0	1.5	2.1	1.0
K1598	2.5	3.5	1.0	1.5	2.6	3.0
K1599	1.5	2.8	1.0	1.0	1.5	2.0
LG00-6293	3.3	2.8	1.0	2.5	2.9	1.5
LG00-6304	2.0	2.8	1.0	1.0	1.4	1.0
LG00-6715	3.0	3.5	1.0	2.5	4.1	3.0
LS00-0716	2.3	2.8	1.0	1.0	3.1	1.5
LS00-1109	2.8	3.8	1.0	2.0	3.5	2.0
LS00-2069	2.3	2.8	1.0	2.0	3.4	2.0
LS00-2920	3.3	2.8	1.0	1.0	3.2	3.0
LS00-4953	2.3	2.8	1.0	2.0	3.0	2.5
Md 00-5822	2.8	2.5	1.0	1.0	2.6	1.5
U01-310136	3.0	3.3	1.0	1.0	4.2	3.0

PRELIMINARY TEST IV, 2003

PLANT HEIGHT (Inches)

Strain	Mean 11 Tests	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS
LN97-15076 (IV)	36.1	32	41	39	38	44
LS93-0375 (SCN)	32.5	29	33	35	35	42
Macon (III)	33.6	28	40	35	33	41
Strong (dt1)	21.4	20	24	20	25	27
HC97-4770	21.0	15	26	22	24	24
HC99-1289	19.9	16	21	21	24	22
HC99-1368	19.3	18	20	21	23	23
HC99-1935	22.1	19	26	22	29	26
HC00-2773	38.5	33	44	42	39	56
HC00-2787	21.7	15	25	22	26	28
K1595	33.5	30	38	35	32	43
K1596	32.9	28	37	35	31	45
K1597	36.5	33	43	40	34	46
K1598	38.7	33	44	41	38	47
K1599	35.5	29	40	40	33	
LG00-6293	37.0	30	42	42	36	49
LG00-6304	30.9	25	37	32	30	41
LG00-6715	42.6	39	51	48	41	53
LS00-0716	38.8	29	46	44	39	54
LS00-1109	37.0	33	41	39	37	51
LS00-2069	39.0	37	47	40	37	47
LS00-2920	34.8	31	37	36	34	49
LS00-4953	35.2	28	37	36	33	49
Md 00-5822	35.5	29	41	38	34	48
U01-310136	38.4	39	40	38	38	48

PRELIMINARY TEST IV, 2003

PLANT HEIGHT (Inches)

Strain	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Loam) MO	So. Charleston OH	Jackson TN
LN97-15076 (IV)	43	27	29	32	39	34
LS93-0375 (SCN)	38	21	26	31	36	32
Macon (III)	40	24	26	33	40	31
Strong (dt1)	29	14	19	16	23	19
HC97-4770	26	15	20	17	25	18
HC99-1289	27	13	22	16	23	15
HC99-1368	27	11	18	16	21	15
HC99-1935	29	16	24	17	23	14
HC00-2773	43	28	27	36	40	37
HC00-2787	27	17	23	16	27	14
K1595	40	27	24	31	36	32
K1596	38	22	25	32	36	34
K1597	45	27	29	36	37	33
K1598	45	29	32	36	43	39
K1599	46	30	26	37	38	37
LG00-6293	45	27	28	38	36	35
LG00-6304	37	21	25	32	33	28
LG00-6715	45	34	33	47	40	39
LS00-0716	48	27	27	36	41	37
LS00-1109	41	28	25	36	40	37
LS00-2069	47	25	34	37	40	39
LS00-2920	38	23	26	36	37	37
LS00-4953	44	25	29	35	38	34
Md 00-5822	43	26	26	35	38	35
U01-310136	44	30	30	38	41	37

PRELIMINARY TEST IV, 2003

SEED SIZE (g/100)

Strain	Mean 11 Tests	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS
LN97-15076 (IV)	15.9	14.4	14.1	14.7	16.0	16.8
LS93-0375 (SCN)	16.0	16.1	14.7	15.1	15.6	15.7
Macon (III)	16.4	14.7	14.6	15.9	16.0	16.1
Strong (dt1)	16.6	16.3	16.7	14.5	15.4	18.6
HC97-4770	15.3	15.9	16.2	14.1	14.8	15.3
HC99-1289	13.2	13.1	13.8	13.0	12.6	15.0
HC99-1368	14.0	14.1	14.1	13.3	13.0	16.4
HC99-1935	14.0	14.1	14.6	12.7	13.2	15.2
HC00-2773	16.0	15.2	15.6	15.7	15.2	16.6
HC00-2787	12.8	12.6	12.3	13.0	11.5	14.5
K1595	14.1	13.3	13.3	14.4	13.9	15.0
K1596	14.2	13.8	13.5	14.2	12.8	15.3
K1597	14.8	14.0	14.3	15.1	14.4	15.6
K1598	14.7	14.6	13.1	14.0	13.8	15.2
K1599	13.6	13.8	12.4	14.2	13.0	
LG00-6293	16.6	14.9	16.6	16.5	15.6	18.2
LG00-6304	16.0	15.3	16.0	14.2	14.5	16.3
LG00-6715	15.6	14.5	15.1	15.0	14.8	16.8
LS00-0716	16.7	17.3	16.9	16.8	15.9	16.9
LS00-1109	14.6	14.5	14.4	14.5	14.7	13.4
LS00-2069	14.5	14.1	13.6	14.7	14.4	15.5
LS00-2920	14.9	14.3	14.3	14.9	14.8	14.9
LS00-4953	16.6	16.7	15.3	17.4	15.9	16.1
Md 00-5822	13.7	12.6	12.2	14.8	13.2	14.8
U01-310136	16.2	14.6	14.8	14.4	16.4	18.7

PRELIMINARY TEST IV, 2003

SEED SIZE (g/100)

Strain	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Loam) MO	So. Charleston OH	Jackson TN
LN97-15076 (IV)	18.5	14.7	17.0	15.1	16.4	17.5
LS93-0375 (SCN)	18.7	15.1	17.0	14.2	17.0	17.0
Macon (III)	19.7	16.3	16.0	16.6	18.1	16.5
Strong (dt1)	20.9	15.1	17.0	14.1	17.6	16.0
HC97-4770	18.9	13.6	16.0	13.4	15.8	14.0
HC99-1289	15.7	12.6	14.0	11.3	12.4	12.0
HC99-1368	16.6	12.1	16.0	11.3	14.0	13.0
HC99-1935	16.6	13.1	15.0	12.7	14.3	12.5
HC00-2773	16.9	14.1	18.0	16.0	16.8	15.5
HC00-2787	14.6	11.3	14.0	11.4	13.1	12.5
K1595	16.4	13.9	15.0	13.2	13.9	13.2
K1596	16.0	13.9	16.0	12.6	15.0	13.0
K1597	17.1	13.9	17.0	12.8	16.2	12.0
K1598	16.8	14.8	16.0	12.3	16.6	14.0
K1599	15.0	13.3	16.0	11.8	13.1	13.5
LG00-6293	18.8	15.4	16.0	14.7	18.4	17.5
LG00-6304	19.0	15.3	16.0	14.1	17.1	18.5
LG00-6715	17.3	14.8	15.0	14.4	17.3	16.5
LS00-0716	18.7	14.4	18.0	14.7	17.0	17.0
LS00-1109	17.5	14.5	15.0	12.8	14.8	14.0
LS00-2069	16.2	13.9	15.0	11.3	16.4	14.5
LS00-2920	15.9	14.7	17.0	13.4	14.2	15.5
LS00-4953	19.2	16.8	16.0	14.4	16.7	18.0
Md 00-5822	15.8	13.3	14.0	11.7	15.2	13.0
U01-310136	18.0	16.7	15.0	15.9	17.7	16.5

PRELIMINARY TEST IV, 2003

SEED QUALITY (score)

Strain	Mean 10 Tests	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS
LN97-15076 (IV)	1.7	1.0	1.0	2.0	1.0	2.0
LS93-0375 (SCN)	1.6	1.0	1.0	1.5	1.0	3.0
Macon (III)	1.7	1.0	1.0	2.0	1.0	2.0
Strong (dt1)	1.6	1.0	1.0	2.0	1.0	2.0
HC97-4770	1.6	1.0	1.0	2.0	1.0	2.0
HC99-1289	1.7	1.0	1.0	2.0	1.0	2.0
HC99-1368	1.6	1.0	1.0	1.5	1.0	2.0
HC99-1935	1.7	1.0	1.0	2.0	1.0	2.0
HC00-2773	1.8	1.0	1.0	2.0	1.0	2.0
HC00-2787	1.6	1.0	1.0	2.0	1.0	2.0
K1595	1.5	1.0	1.0	2.0	1.0	2.0
K1596	1.6	1.0	1.0	1.5	1.0	2.0
K1597	1.8	1.0	1.0	2.0	1.0	3.0
K1598	1.7	1.0	1.0	1.5	1.0	2.0
K1599	1.7	1.0	1.0	1.5	1.0	
LG00-6293	1.7	1.0	1.0	1.5	1.0	2.0
LG00-6304	2.0	1.0	1.0	2.0	1.0	2.0
LG00-6715	1.8	1.0	1.0	1.5	1.0	3.0
LS00-0716	1.7	1.0	1.0	1.5	1.0	2.0
LS00-1109	1.6	1.0	1.0	1.5	1.0	2.0
LS00-2069	1.9	1.0	1.0	2.0	1.0	2.0
LS00-2920	1.8	1.0	1.0	2.0	1.0	2.0
LS00-4953	1.8	1.0	1.0	1.5	1.0	2.0
Md 00-5822	1.6	1.0	1.0	2.0	1.0	2.0
U01-310136	1.8	1.0	1.0	1.5	1.0	2.0

PRELIMINARY TEST IV, 2003

SEED QUALITY (score)

Strain	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Loam) MO	So. Charleston OH	Jackson TN
LN97-15076 (IV)	1.0	1.0	1.0	3.0		4.3
LS93-0375 (SCN)	1.0	1.0	1.0	2.0		3.3
Macon (III)	1.0	1.0	1.0	3.0		3.8
Strong (dt1)	1.0	1.0	1.0	2.0		3.5
HC97-4770	1.0	1.0	1.0	2.0		3.8
HC99-1289	1.0	1.0	1.0	3.0		3.5
HC99-1368	1.0	1.0	2.0	3.0		2.8
HC99-1935	1.0	1.0	1.0	3.0		3.8
HC00-2773	1.0	1.0	2.0	3.0		3.8
HC00-2787	1.0	1.0	1.0	3.0		3.0
K1595	1.0	1.0	1.0	2.0		3.3
K1596	1.0	1.0	1.0	3.0		3.5
K1597	1.0	1.0	2.0	3.0		3.0
K1598	1.0	1.0	2.0	3.0		3.3
K1599	1.0	1.0	2.0	3.0		4.0
LG00-6293	1.0	1.0	1.0	3.0		4.5
LG00-6304	1.0	1.0	3.0	3.0		4.5
LG00-6715	1.0	1.0	2.0	3.0		3.8
LS00-0716	1.0	1.0	2.0	2.0		4.5
LS00-1109	1.0	1.0	2.0	2.0		3.3
LS00-2069	1.0	1.0	2.0	3.0		4.8
LS00-2920	1.0	1.0	2.0	3.0		3.5
LS00-4953	1.0	1.0	2.0	3.0		4.0
Md 00-5822	1.0	1.0	1.0	2.0		3.8
U01-310136	1.0	1.0	2.0	3.0		4.3

PRELIMINARY TEST IV, 2003

PROTEIN (%)

Strain	Mean 5 Tests	Urbana IL	Lafayette IN	Ashland KS	Lexington KY	Portageville (Loam) MO
LN97-15076 (IV)	40.6	39.1	40.5	41.4	41.3	40.9
LS93-0375 (SCN)	41.1	39.9	40.8	42.5	41.6	40.8
Macon (III)	40.6	39.4	40.6	41.8	40.9	40.5
Strong (dt1)	40.6	37.5	42.0	40.1	41.1	42.3
HC97-4770	41.6	39.5	42.3	41.8	41.8	42.6
HC99-1289	41.3	40.1	41.5	41.2	41.7	42.2
HC99-1368	41.0	38.9	40.7	39.8	42.0	43.8
HC99-1935	40.7	39.5	40.7	39.8	41.1	42.4
HC00-2773	40.6	39.3	41.0	40.7	40.9	41.0
HC00-2787	39.7	38.1	38.7	39.9	40.2	41.6
K1595	40.0	36.9	40.4	40.7	41.0	41.1
K1596	39.8	37.7	39.7	41.2	40.0	40.6
K1597	39.7	36.8	40.7	40.0	41.5	39.7
K1598	40.7	37.9	40.7	41.1	41.6	42.2
K1599	39.8	37.5	40.2		40.8	40.7
LG00-6293	40.9	39.3	41.5	41.8	41.0	40.7
LG00-6304	40.4	39.1	41.3	41.4	40.0	40.1
LG00-6715	40.6	37.6	40.2	41.3	42.5	41.6
LS00-0716	40.2	38.4	40.6	40.5	41.4	40.1
LS00-1109	41.7	40.2	41.1	42.8	43.0	41.2
LS00-2069	41.4	38.8	42.0	41.9	41.5	42.8
LS00-2920	39.4	37.7	39.5	40.4	40.2	39.4
LS00-4953	38.5	36.8	37.5	39.9	39.6	38.8
Md 00-5822	40.7	38.0	37.0	43.3	43.5	41.6
U01-310136	40.3	37.1	40.3	41.5	41.3	41.5

PRELIMINARY TEST IV, 2003

OIL (%)

StraIL	Mean 5 Tests	Urbana IL	Lafayette IN	Ashland KS	Lexington KY	Portageville (Loam) MO
LN97-15076 (IV)	20.4	21.2	20.2	20.2	19.2	21.2
LS93-0375 (SCN)	19.7	20.2	19.6	19.0	19.3	20.4
Macon (III)	20.3	21.2	20.1	19.7	19.8	20.6
Strong (dt1)	20.2	20.9	19.8	19.6	20.4	20.4
HC97-4770	20.3	20.9	19.8	20.3	20.1	20.2
HC99-1289	19.1	19.2	18.1	19.5	18.6	20.0
HC99-1368	19.9	20.8	19.5	19.6	19.8	19.6
HC99-1935	19.9	20.6	19.7	19.4	19.8	20.2
HC00-2773	20.5	21.5	20.6	20.6	19.9	19.9
HC00-2787	20.2	20.2	21.0	19.7	20.0	20.3
K1595	21.0	22.1	20.9	20.1	20.0	22.0
K1596	19.9	20.2	19.6	19.2	20.0	20.4
K1597	20.3	21.5	19.4	19.5	19.8	21.4
K1598	19.6	20.5	19.4	19.2	19.1	19.6
K1599	19.7	20.7	19.1		18.9	19.9
LG00-6293	19.7	20.2	19.2	18.8	19.9	20.2
LG00-6304	20.1	21.0	19.3	19.3	20.3	20.8
LG00-6715	20.1	21.3	19.7	18.9	20.2	20.5
LS00-0716	20.0	20.6	19.6	19.2	19.6	21.1
LS00-1109	18.9	19.2	19.1	17.6	18.8	19.8
LS00-2069	19.9	20.2	19.9	19.5	19.6	20.2
LS00-2920	19.1	19.6	18.5	18.6	18.8	19.7
LS00-4953	19.6	20.2	20.0	18.8	19.5	19.4
Md 00-5822	19.1	20.5	17.8	18.4	19.4	19.6
U01-310136	20.5	21.8	20.0	19.9	19.9	21.1

Preliminary Test 0 Roundup-Ready, 2003

Ent.	Strain	Parentage	Generation Composited	Unique Traits
1	RG200RR	Traill*3 x (Council x ResnickRR)		RR
2.	ND95-931RR	ND88-800 x Pioneer 9061	F3	Rps 6
3.	AG0801	na		
4.	SD1091RR (L)	Surge (3) x ResnikRR	F4	RR, Seg Rps1-a
5.	M97-304052RR	Surge x M96-136-20	F5	RR
6.	M97-304086RR	Surge x M96-136-20	F5	RR
7.	M97-304146RR	Surge x M96-136-20	F5	RR
8.	ND95-931C RR	ND88-800 x Pioneer 9061	F3	Rps 6
9.	SD93-1233T	Surge (3) x ResnikRR	F4	RR
10.	SD00-1037R	SD94-27 x SD93-1298RR	F4	RR, Rps1-k
11.	SD00-1251R	(Surge x ResnikRR) x Surge	F4	RR, Rps1-k
12.	SD00-1258R	(Surge x ResnikRR) x Surge	F4	RR, Rps1-k
13.	SD00-1271R	(Surge x ResnikRR) x Surge	F4	RR, Rps1-a
14.	SDX00R-011-38	IA2042 x SD1091RR	F4	RR
15.	SDX00R-020-18	MN0902 x SD93-828R	F4	RR, Rps1-a
16.	SDX00R-020-49	MN0902 x SD93-828R	F4	RR, Rps1-a
17.	SDX00R-029-16	Pioneer P9151 x SD93-828R	F4	RR, Rps1-k
18.	SDX00R-032-56	SD93-828R x Dwight	F4	RR
19.	SDX00R-046-29	SD1091RR x Dwight	F4	RR

PRELIMINARY TEST 0 ROUNDUP READY, 2003

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Green Stem Score St. Bruno Que	Shattering Score Ashland KS	PR Lafayette Race 4	PR Lafayette Race 7
RG200RR	PTBIYLgrI	1.0	2.0	S	S
ND95-931RR	PGBDYBfI	1.0	1.0	S	S
AG0801	PTBDYLblI	4.0	1.0	H	R
SD1091RR (L)	PGBDYIbI	1.0	1.0	S	H
M97-304052RR	PGBDYLbfI	1.5	1.0	S	H
M97-304086RR	PGBDYIbI	2.5	1.0	S	R
M97-304146RR	PGBDYLbfI	1.5	1.0	S	H
ND95-931C RR	PGBDYBfI	2.0	1.0	H*	H
SD93-1233T	PTBDYBlI	1.5	1.0	S	R
SD00-1037R	PGTDYIbI	1.0	1.0	R	R
SD00-1251R	PTTDYBlI	1.0	1.0	R	R
SD00-1258R	PTTDYBlI	1.5	1.0	R	R
SD00-1271R	PGTDYIbI	1.0	1.0	S	S
SDX00R-011-38	PGBDYBfI	1.5	1.0	S	S
SDX00R-020-18	PTBDYBl+BrI	1.5	2.0	R*	H*
SDX00R-020-49	PTTDYBLI	1.0	1.0	R*	H*
SDX00R-029-16	PSBDYSI	1.0	2.0	R	R
SDX00R-032-56	PTTDYLblI	1.0	2.0	R	R
SDX00R-046-29	PGTDYIbI	1.0	1.0	S	R

* = entry being retested.

PRELIMINARY TEST 0 ROUNDUP READY, 2003

REGIONAL SUMMARY

					Plant	Seed	Seed	Composition	
	Yield	Rank	Maturity	Lodging	Height	Size	Quality	Protein	Oil
No. of Tests	5	5	6	6	6	6	6	5	5
Strain	bu/a	No.	Date	Score	In.	g/100	Score	%	%
RG200RR	35.4	12	9/9	1.4	29	14.0	2.1	42.2	20.0
ND95-931RR	35.8	9	5.0	1.4	34	14.8	2.1	40.9	21.0
AG0801	40.1	1	8.7	1.2	34	14.3	2.1	40.2	20.0
SD1091RR (L)	37.6	4	10.3	1.2	33	15.3	1.8	43.4	19.5
M97-304052RR	35.5	11	7.8	1.1	36	14.7	2.0	41.7	19.7
M97-304086RR	35.1	13	3.3	1.1	32	14.1	1.9	40.8	20.0
M97-304146RR	38.0	3	4.8	1.1	37	14.2	1.7	41.9	19.8
ND95-931C RR	37.2	5	2.8	1.4	36	15.0	1.6	40.5	21.5
SD93-1233T	35.8	9	7.7	1.6	36	14.9	2.0	43.8	19.4
SD00-1037R	36.8	7	10.7	1.4	36	12.1	1.8	40.7	20.1
SD00-1251R	38.8	2	8.7	1.2	35	14.6	2.0	42.6	19.3
SD00-1258R	36.1	8	11.0	1.3	35	14.8	1.9	43.4	18.9
SD00-1271R	34.1	17	10.0	1.3	36	14.9	2.0	43.1	18.9
SDX00R-011-38	34.8	15	13.7	1.4	37	15.7	1.8	42.3	18.8
SDX00R-020-18	37.0	6	11.3	1.1	34	15.1	2.0	40.7	19.8
SDX00R-020-49	35.1	13	12.0	1.2	37	11.0	2.1	39.9	19.7
SDX00R-029-16	33.4	18	13.5	1.4	37	14.5	2.2	40.3	20.1
SDX00R-032-56	32.4	19	6.2	1.3	34	13.7	2.5	42.5	19.7
SDX00R-046-29	34.8	15	9.3	1.7	34	13.6	2.2	42.7	19.4

105.3 Days After Planting

PRELIMINARY TEST 0 ROUNDUP READY, 2003

YIELD (bu/a)

Strain	Mean 5 Tests	Morris MN	Rosemount MN	Nepean ONT	St Bruno Montarville Que.	Brookings SD	Watertown* SD
RG200RR	35.4	27.3	39.9	32.0	32.6	45.2	20.0
ND95-931RR	35.8	32.2	36.3	34.2	40.2	35.9	17.8
AG0801	40.1	42.6	35.7	34.9	39.9	47.5	17.9
SD1091RR (L)	37.6	33.9	32.8	29.2	39.9	52.1	18.3
M97-304052RR	35.5	40.7	33.7	31.9	31.7	39.5	18.2
M97-304086RR	35.1	36.3	39.2	28.5	31.0	40.7	18.2
M97-304146RR	38.0	43.7	30.9	32.9	34.9	47.4	17.8
ND95-931C RR	37.2	43.4	34.3	31.1	36.1	41.0	19.0
SD93-1233T	35.8	40.8	28.8	31.2	41.7	36.6	15.2
SD00-1037R	36.8	41.4	38.3	29.0	39.7	35.5	19.1
SD00-1251R	38.8	38.2	38.2	30.4	36.6	50.8	18.5
SD00-1258R	36.1	42.2	26.6	30.4	39.4	42.0	20.9
SD00-1271R	34.1	34.8	30.5	30.9	39.5	34.8	17.1
SDX00R-011-38	34.8	36.2	31.0	34.2	38.2	34.4	17.5
SDX00R-020-18	37.0	40.9	28.3	30.9	39.7	45.2	17.5
SDX00R-020-49	35.1	40.1	28.9	27.4	38.7	40.2	17.3
SDX00R-029-16	33.4	39.8	26.8	30.9	36.4	32.9	17.9
SDX00R-032-56	32.4	32.7	29.1	26.5	32.0	41.6	16.2
SDX00R-046-29	34.8	40.6	28.1	26.6	37.1	41.5	18.9
C.V. (%)		13.2	16.0	5.5	5.4	9.1	19.5
L.S.D. (5%)		10.5	10.9	2.9	4.3	7.9	7.3
Row Sp. (In.)		10	10	40cm	7	30	30
Rows/Plot		4	4	4	5	4	4
Reps		2	2	3	2	2	2

PRELIMINARY TEST 0 ROUNDUP READY, 2003

YIELD RANK

Strain	Yield Rank	Morris MN	Rosemount MN	Nepean ONT	St Bruno Montarville Que.	Brookings SD	Watertown SD
RG200RR	12	19	1	5	10	5	2
ND95-931RR	9	18	5	3	2	14	12
AG0801	1	3	6	1	3	3	10
SD1091RR (L)	4	16	9	14	4	1	7
M97-304052RR	11	8	8	6	18	12	8
M97-304086RR	13	13	2	16	19	10	9
M97-304146RR	3	1	11	4	15	4	13
ND95-931C RR	5	2	7	8	14	9	4
SD93-1233T	9	7	15	7	1	13	20
SD00-1037R	7	5	3	15	6	15	3
SD00-1251R	2	12	4	13	12	2	6
SD00-1258R	8	4	19	12	8	6	1
SD00-1271R	17	15	12	11	7	16	17
SDX00R-011-38	15	14	10	2	10	17	15
SDX00R-020-18	6	6	16	10	5	5	14
SDX00R-020-49	13	10	14	17	9	11	16
SDX00R-029-16	18	11	18	9	13	18	11
SDX00R-032-56	19	17	13	19	17	7	19
SDX00R-046-29	15	9	17	18	11	8	5

PRELIMINARY TEST 0 ROUNDUP READY, 2003

MATURITY (date)

Strain	Mean 6 Tests	Morris MN	Rosemount MN	Nepean ONT	St Bruno Montarville Que.	Brookings SD	Watertown SD
RG200RR	9/9	9/17	9/8	9/14	9/14	9/1	9/2
ND95-931RR	5.0	14	0	6	6	4	0
AG0801	8.7	14	1	8	9	11	9
SD1091RR (L)	10.3	14	2	10	9	16	11
M97-304052RR	7.8	14	2	6	4	10	11
M97-304086RR	3.3	3	0	3	2	4	8
M97-304146RR	4.8	7	-1	2	5	7	9
ND95-931C RR	2.8	2	-1	3	5	0	8
SD93-1233T	7.7	3	1	11	8	14	9
SD00-1037R	10.7	14	4	11	10	16	9
SD00-1251R	8.7	7	3	13	9	12	8
SD00-1258R	11.0	7	2	13	10	16	18
SD00-1271R	10.0	14	2	10	8	17	9
SDX00R-011-38	13.7	14	3	16	14	18	17
SDX00R-020-18	11.3	14	3	10	13	17	11
SDX00R-020-49	12.0	14	3	11	13	15	16
SDX00R-029-16	13.5	16	2	13	16	17	17
SDX00R-032-56	6.2	7	1	7	6	7	9
SDX00R-046-29	9.3	14	3	9	9	10	11
Date Planted	5/27	5/27	5/30	6/3	5/31	5/16	5/24
Days to Mature	105	113	101	103	106	108	101

PRELIMINARY TEST 0 ROUNDUP READY, 2003

LODGING (score)

Strain	Mean 6 Tests	Morris MN	Rosemount MN	Nepean ONT	St Bruno Montarville Que.	Brookings SD	Watertown SD
RG200RR	1.4	1.0	1.5	2.8	1.0	1.0	1.0
ND95-931RR	1.4	1.0	2.0	2.3	1.0	1.0	1.0
AG0801	1.2	1.0	1.0	2.1	1.0	1.0	1.0
SD1091RR (L)	1.2	1.0	1.0	2.3	1.0	1.0	1.0
M97-304052RR	1.1	1.0	1.0	1.5	1.0	1.0	1.0
M97-304086RR	1.1	1.0	1.0	1.4	1.0	1.0	1.0
M97-304146RR	1.1	1.0	1.0	1.7	1.0	1.0	1.0
ND95-931C RR	1.4	1.0	2.0	2.5	1.0	1.0	1.0
SD93-1233T	1.6	1.0	2.0	2.7	2.0	1.0	1.0
SD00-1037R	1.4	2.0	1.0	2.4	1.0	1.0	1.0
SD00-1251R	1.2	1.0	1.0	1.9	1.0	1.0	1.0
SD00-1258R	1.3	1.0	1.0	2.5	1.0	1.0	1.0
SD00-1271R	1.3	1.0	1.5	2.3	1.0	1.0	1.0
SDX00R-011-38	1.4	1.0	1.0	2.6	2.0	1.0	1.0
SDX00R-020-18	1.1	1.0	1.0	1.4	1.0	1.0	1.0
SDX00R-020-49	1.2	1.0	1.0	2.2	1.0	1.0	1.0
SDX00R-029-16	1.4	2.0	1.0	2.0	1.5	1.0	1.0
SDX00R-032-56	1.3	1.0	1.5	2.5	1.0	1.0	1.0
SDX00R-046-29	1.7	1.0	2.0	2.9	2.0	1.0	1.0

PRELIMINARY TEST 0 ROUNDUP READY, 2003

PLANT HEIGHT (inches)

Strain	Mean 6 Tests	Morris MN	Rosemount MN	Nepean ONT	St Bruno Montarville Que.	Brookings SD	Watertown SD
RG200RR	29	20	40	33	25	31	23
ND95-931RR	34	22	48	43	35	31	27
AG0801	34	34	38	40	35	31	25
SD1091RR (L)	33	29	48	36	30	31	24
M97-304052RR	36	39	44	38	31	35	27
M97-304086RR	32	36	42	37	30	26	24
M97-304146RR	37	40	48	39	31	34	29
ND95-931C RR	36	40	46	38	31	34	27
SD93-1233T	36	38	48	36	35	31	26
SD00-1037R	36	38	48	40	38	28	26
SD00-1251R	35	36	42	40	32	34	25
SD00-1258R	35	35	42	40	34	35	24
SD00-1271R	36	35	46	38	34	36	26
SDX00R-011-38	37	36	50	42	36	33	25
SDX00R-020-18	34	34	44	36	36	31	23
SDX00R-020-49	37	36	46	39	34	33	32
SDX00R-029-16	37	36	50	40	38	33	27
SDX00R-032-56	34	34	42	38	32	35	26
SDX00R-046-29	34	32	46	39	35	31	21

PRELIMINARY TEST 0 ROUNDUP READY, 2003

SEED SIZE (g/100)

Strain	Mean 6 Tests	Morris MN	Rosemount MN	Nepean ONT	St Bruno Montarville Que.	Brookings SD	Watertown SD
RG200RR	14.0	13.1	14.3	15.7	14.5	15.3	11.1
ND95-931RR	14.8	14.2	14.0	16.2	15.6	16.5	12.4
AG0801	14.3	13.9	12.8	15.5	15.4	16.2	12.1
SD1091RR (L)	15.3	14.9	13.2	17.6	16.9	15.7	13.7
M97-304052RR	14.7	13.4	12.3	16.2	16.0	16.8	13.5
M97-304086RR	14.1	13.2	13.8	15.0	15.0	15.5	11.9
M97-304146RR	14.2	13.3	12.0	15.9	15.7	14.7	13.8
ND95-931C RR	15.0	14.2	13.5	16.0	16.6	17.0	12.5
SD93-1233T	14.9	13.4	12.5	16.7	17.3	14.7	14.5
SD00-1037R	12.1	10.6	10.5	13.6	13.4	12.8	11.9
SD00-1251R	14.6	13.2	13.6	16.4	16.3	14.4	13.5
SD00-1258R	14.8	14.1	11.9	17.1	15.9	15.6	14.1
SD00-1271R	14.9	13.7	12.9	16.4	15.9	16.9	13.5
SDX00R-011-38	15.7	13.6	13.3	19.2	17.4	15.8	14.9
SDX00R-020-18	15.1	14.4	11.6	17.4	17.0	16.2	13.7
SDX00R-020-49	11.0	10.1	8.4	13.8	12.1	11.0	10.6
SDX00R-029-16	14.5	13.2	11.2	18.0	15.9	14.9	13.9
SDX00R-032-56	13.7	13.3	13.2	16.1	14.6	13.5	11.5
SDX00R-046-29	13.6	12.7	12.0	15.1	15.2	13.5	13.2

PRELIMINARY TEST 0 ROUNDUP READY, 2003

SEED QUALITY (score)

Strain	Mean 6 Tests	Morris MN	Rosemount MN	Nepean ONT	St Bruno Montarville Que.	Brookings SD	Watertown SD
RG200RR	2.1	1.5	1.5	2.0	1.5	4.0	2.0
ND95-931RR	2.1	2.0	2.0	2.5	2.0	3.0	1.0
AG0801	2.1	2.0	2.0	3.1	1.5	2.0	2.0
SD1091RR (L)	1.8	1.5	1.5	3.0	1.0	2.0	2.0
M97-304052RR	2.0	2.0	2.0	2.4	1.5	2.0	2.0
M97-304086RR	1.9	1.5	1.5	2.1	2.0	2.0	2.0
M97-304146RR	1.7	1.5	1.5	2.3	2.0	2.0	1.0
ND95-931C RR	1.6	1.5	1.5	2.8	1.0	2.0	1.0
SD93-1233T	2.0	1.5	1.5	3.0	1.0	3.0	2.0
SD00-1037R	1.8	1.5	1.5	2.6	1.0	3.0	1.0
SD00-1251R	2.0	1.5	1.5	3.0	1.0	3.0	2.0
SD00-1258R	1.9	1.0	1.0	3.0	1.5	3.0	2.0
SD00-1271R	2.0	1.5	1.5	2.9	1.0	3.0	2.0
SDX00R-011-38	1.8	1.5	1.5	2.3	1.5	2.0	2.0
SDX00R-020-18	2.0	1.5	1.5	1.9	2.0	4.0	1.0
SDX00R-020-49	2.1	1.5	1.5	2.9	2.5	3.0	1.0
SDX00R-029-16	2.2	2.0	2.0	2.9	2.0	3.0	1.0
SDX00R-032-56	2.5	2.5	2.5	2.9	1.0	4.0	2.0
SDX00R-046-29	2.2	1.5	1.5	3.0	2.0	3.0	2.0

PRELIMINARY TEST 0 ROUNDUP READY, 2003

PROTEIN (%)

Strain	Mean 5 Tests	Morris MN	Rosemount MN	Nepean Ont	St Bruno Montarville Que.	Watertown SD
RG200RR	42.2	42.5	43.5	42.3	40.5	41.5
ND95-931RR	40.9	41.5	42.5	40.2	39.3	42.0
AG0801	40.2	39.0	42.5	39.9	39.4	39.5
SD1091RR (L)	43.4	43.1	46.0	42.4	42.1	41.9
M97-304052RR	41.7	40.1	44.1	41.4	41.0	40.3
M97-304086RR	40.8	39.9	43.2	40.5	39.7	41.2
M97-304146RR	41.9	41.5	44.8	41.1	40.3	41.3
ND95-931C RR	40.5	39.7	43.3	40.0	39.2	40.6
SD93-1233T	43.8	44.2	45.4	43.0	42.5	42.3
SD00-1037R	40.7	40.4	41.5	41.1	39.7	39.2
SD00-1251R	42.6	41.0	44.9	42.5	42.0	42.3
SD00-1258R	43.4	42.2	47.2	42.6	41.6	43.2
SD00-1271R	43.1	41.8	46.1	42.7	42.0	43.4
SDX00R-011-38	42.3	40.8	45.2	42.1	41.2	42.0
SDX00R-020-18	40.7	39.0	44.0	40.6	39.3	39.6
SDX00R-020-49	39.9	38.4	42.3	40.2	38.6	38.2
SDX00R-029-16	40.3	38.3	43.2	40.8	39.0	39.3
SDX00R-032-56	42.5	42.1	44.5	42.1	41.4	41.3
SDX00R-046-29	42.7	41.7	45.2	42.2	41.5	42.0

PRELIMINARY TEST 0 ROUNDUP READY, 2003

OIL (%)

Strain	Mean 5 Tests	Morris MN	Rosemount MN	Nepean Ont	St Bruno Montarville Que.	Watertown SD
RG200RR	20.0	20.0	19.7	18.8	21.6	20.0
ND95-931RR	21.0	20.9	20.2	20.1	22.7	20.5
AG0801	20.0	19.8	19.3	19.5	21.5	19.9
SD1091RR (L)	19.5	19.0	19.0	19.1	21.1	20.2
M97-304052RR	19.7	20.0	18.3	18.9	21.6	20.0
M97-304086RR	20.0	20.2	19.2	19.1	21.4	19.2
M97-304146RR	19.8	20.5	18.1	19.2	21.6	19.7
ND95-931C RR	21.5	21.9	20.5	20.4	23.0	21.2
SD93-1233T	19.4	19.1	18.1	18.9	21.3	20.1
SD00-1037R	20.1	19.6	19.9	19.4	21.6	20.7
SD00-1251R	19.3	19.1	18.5	18.8	20.8	19.3
SD00-1258R	18.9	19.2	17.3	18.5	20.7	19.2
SD00-1271R	18.9	18.5	17.6	18.7	20.8	19.3
SDX00R-011-38	18.8	18.4	17.8	18.4	20.8	19.5
SDX00R-020-18	19.8	19.4	18.4	19.8	21.8	20.5
SDX00R-020-49	19.7	19.0	18.5	19.7	21.7	20.0
SDX00R-029-16	20.1	19.6	18.7	20.0	22.0	20.3
SDX00R-032-56	19.7	19.3	18.7	19.3	21.4	19.0
SDX00R-046-29	19.4	19.1	18.1	19.0	21.4	20.0

Preliminary Test I Roundup-Ready, 2003

Ent.	Strain	Parentage	Generation Composited	Unique Traits
1	AG1602	na		
2.	SD1091RR (0)	Surge (3) x ResnikRR	F4	RR, Seg Rps1-a
3.	MN1803RR	na		
4.	AG1902	na		
5.	M97-302128RR	MN0301 x M96-132-18	F5	RR
6.	M97-304076RR	Surge x M96-136-20	F5	RR
7.	SD96-170RR-28L	SD96-170(3) x SD1091RR	F4	RR
8.	SD96-170RR-34	SD96-170(3) x SD1091RR	F4	RR
9.	SD99-026R	SD94-808 x SD93-1037RR	F4	RR, Rps1-k
10.	SD99-048R	SD94-461 x SD93-1037RR	F4	RR, Rps1-k
11.	SD99-096R	SD94-215 x SD93-1037RR	F4	RR, Rps1-k
12.	SD99-098R-1	SD(N)94-9231 x SD1091RR	F5	RR, Rps1-a
13.	SD00-236R	SD94-57 x SD1091RR	F4	RR, Rps1-k , Rps6
14.	SD00-898R	SD(N)94-9231 x SD1091RR	F4	RR, Rps1-a
15.	SD00-1018R	SD94-27 x SD93-1037RR	F4	RR, Rps1-a
16.	SDX00R-022-66	Parker x SD1081RR	F4	RR
17.	SDX00R-024-58	Pioneer P9163 x SD93-828R	F4	RR
18.	SDX00R-029-3	Pioneer P9151 x SD93-828R	F4	RR, Rps1-K
19.	SDX00R-035-12	A97-771039 x SD1081RR	F4	RR
20.	SDX00R-046-2	SD1091RR x Dwight	F4	RR

PRELIMINARY TEST I ROUNDUP-READY, 2003

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Green Stem Score St. Bruno Que	Shattering Score Ashland KS	PR Lafayette Race 4	PR Lafayette Race 7	PS Lafayette a %	P&SB Lafayette n %
AG1602	PTTDYBlI	1.0	1.0	R	R	24	0
SD1091RR (0)	PGBDYIbI	1.5	1.0	S	H	0	6
MN1803RR	WGBDYBfI	2.0	1.0	S	H	0	0
AG1902	PTTDYBlI	2.0	2.0	R	R	6	0
M97-302128RR	PGBIYYI	1.5	1.0	S	S	0	6
M97-304076RR	PGBDYYI	2.0	1.0	S	S	8	4
SD96-170RR-28L	PGTDYBfI	1.0	2.0	S	S	22	2
SD96-170RR-34	PGBDYBfI	1.0	2.0	R	R	8	4
SD99-026R	PTBDYBlI	2.0	1.0	R	R	4	8
SD99-048R	WGBDYLbf+YI	2.0	1.0	H	R	18	0
SD99-096R	PGBDYLgrI	1.5	2.0	S	R	0	0
SD99-098R-1	PGBDYIbI	1.0	1.0	S	S	4	0
SD00-236R	PTBDYBrI	1.5	1.0	R	R	2	8
SD00-898R	PGBDYIbI	1.5	1.0	S	S	2	2
SD00-1018R	PGTDYIb+BfI	1.5	1.0	R*	R*	4	6
SDX00R-022-66	PGBDYBfI	1.0	1.0	S	S	10	0
SDX00R-024-58	PGBDYIbI	1.0	1.0	S	R	2	0
SDX00R-029-3	PSBDYBl+IbI	1.0	1.0	R	R	4	0
SDX00R-035-12	WGBDYLbfI	3.0	1.0	S	S	0	0
SDX00R-046-2	PSTDYSI	1.0	1.0	S	H	4	0

* = entry being retested.

PRELIMINARY TEST I ROUNDUP-READY, 2003

REGIONAL SUMMARY

					Plant	Seed	Seed	Composition	
	Yield	Rank	Maturity	Lodging	Height	Size	Quality	Protein	Oil
No. of Tests	8	8	8	8	8	8	7	5	5
Strain	bu/a	No.	Date	Score	In.	g/100	Score	%	%
AG1602	34.9	6	9/16	1.3	28	12.0	1.6	37.8	21.4
SD1091RR (0)	33.1	17	-4.3	1.4	25	15.0	1.7	42.2	20.7
MN1803RR	36.7	2	1.8	1.4	32	12.3	1.4	40.6	21.0
AG1902	38.5	1	3.6	1.4	30	12.7	1.2	40.0	20.4
M97-302128RR	33.4	14	-2.9	1.3	30	13.1	1.4	40.4	20.6
M97-304076RR	32.0	20	-5.0	1.4	27	13.2	1.6	40.2	20.7
SD96-170RR-28L	35.2	5	-2.3	1.3	29	13.2	1.4	39.1	21.1
SD96-170RR-34	33.4	14	-1.6	1.3	31	14.3	1.4	39.6	21.2
SD99-026R	33.2	16	0.3	1.6	30	12.9	1.7	40.8	20.3
SD99-048R	32.4	19	1.6	1.4	33	12.9	1.2	40.6	21.0
SD99-096R	36.0	3	0.6	1.6	37	13.6	1.6	40.1	20.3
SD99-098R-1	33.8	13	4.9	1.9	34	11.4	1.4	39.8	20.9
SD00-236R	34.6	7	0.6	1.4	30	12.3	1.6	41.3	20.7
SD00-898R	32.9	18	0.5	1.7	36	13.4	1.4	39.3	21.4
SD00-1018R	34.1	11	-3.4	1.3	29	12.1	1.6	39.2	21.3
SDX00R-022-66	34.2	10	-3.4	1.4	29	13.6	1.4	39.4	21.1
SDX00R-024-58	34.6	7	0.0	1.5	35	10.7	1.2	37.9	20.8
SDX00R-029-3	35.8	4	-0.6	1.3	30	13.6	1.4	40.8	21.2
SDX00R-035-12	34.4	9	6.9	1.5	35	10.7	1.6	38.3	21.0
SDX00R-046-2	34.1	11	3.5	1.5	30	11.8	1.6	40.3	20.1

118.5 Days After Planting

PRELIMINARY TEST I ROUNDUP-READY, 2003

YIELD (bu/a)

Strain	Mean 8 Tests	Lafayette IN	Wanatah IN	Ingham County MI	Lamberton MN	Waseca MN	St. Bruno Montarville Que.	Brookings SD	Watertown SD
AG1602	34.9	26.8	24.1	39.0	40.2	40.6	39.0	48.6	21.2
SD1091RR (0)	33.1	25.9	24.1	34.6	38.7	41.2	34.4	50.4	15.8
MN1803RR	36.7	33.2	31.6	39.7	43.2	41.2	36.7	45.3	22.5
AG1902	38.5	34.3	38.9	44.7	42.1	41.4	42.6	40.8	23.3
M97-302128RR	33.4	28.8	24.8	33.9	39.7	39.2	36.1	45.6	19.0
M97-304076RR	32.0	26.9	21.6	30.8	40.7	43.3	33.6	40.3	18.6
SD96-170RR-28L	35.2	30.6	39.9	34.9	39.8	37.2	31.9	45.6	21.6
SD96-170RR-34	33.4	30.9	32.3	32.2	36.4	40.5	33.1	39.1	22.7
SD99-026R	33.2	30.1	35.3	33.6	36.6	39.8	31.5	41.3	17.8
SD99-048R	32.4	32.2	32.8	32.7	33.8	35.2	36.6	38.6	16.9
SD99-096R	36.0	32.3	37.0	40.4	37.1	39.5	37.2	44.0	20.6
SD99-098R-1	33.8	40.3	35.4	36.2	35.7	34.0	31.7	38.4	19.0
SD00-236R	34.6	27.0	41.7	34.9	38.4	39.0	33.1	44.4	18.7
SD00-898R	32.9	31.5	31.7	36.1	35.3	37.6	32.4	42.1	16.8
SD00-1018R	34.1	33.5	32.5	32.4	37.4	38.2	32.5	47.3	18.6
SDX00R-022-66	34.2	27.5	26.9	32.6	37.8	42.2	35.3	51.0	20.1
SDX00R-024-58	34.6	33.5	32.3	36.1	41.0	36.1	34.3	44.0	19.9
SDX00R-029-3	35.8	36.4	31.8	36.2	42.2	39.2	31.8	45.7	23.2
SDX00R-035-12	34.4	36.7	36.2	31.0	43.0	39.7	31.1	38.6	19.0
SDX00R-046-2	34.1	38.3	43.2	35.2	33.3	32.1	33.6	39.4	17.4
C.V. (%)		10.1	15.3	7.9	11.6	8.2	8.4	6.2	10.3
L.S.D. (5%)		6.8	10.5	4.8	9.3	6.6	7.9	5.7	4.2
Row Sp. (In.)		24	26	15	10	10	7	30	30
Rows/Plot		4	4	6	4	4	5	4	4
Reps		2	2	2	2	2	2	2	2

PRELIMINARY TEST I ROUNDUP-READY, 2003

YIELD RANK

Strain	Yield Rank	Lafayette IN	Wanatah IN	Ingham County MI	Lamberton MN	Waseca MN	St. Bruno Montarville Que.	Brookings SD	Watertown SD
AG1602	6	19	18	4	7	6	2	3	6
SD1091RR (0)	17	20	18	12	10	4	8	2	20
MN1803RR	2	8	15	3	1	4	4	8	4
AG1902	1	5	4	1	4	3	1	14	1
M97-302128RR	14	15	17	13	9	11	6	6	12
M97-304076RR	20	18	20	20	6	1	10	15	14
SD96-170RR-28L	5	13	3	10	8	16	16	6	5
SD96-170RR-34	14	12	11	18	16	7	13	17	3
SD99-026R	16	14	8	14	15	8	19	13	16
SD99-048R	19	10	9	15	19	18	5	18	18
SD99-096R	3	9	5	2	14	10	3	10	7
SD99-098R-1	13	1	7	5	17	19	18	20	11
SD00-236R	7	17	2	11	11	13	12	9	13
SD00-898R	18	11	14	7	18	15	15	12	19
SD00-1018R	11	6	10	17	13	14	14	4	15
SDX00R-022-66	10	16	16	16	12	2	7	1	8
SDX00R-024-58	7	6	11	8	5	17	9	10	9
SDX00R-029-3	4	4	13	6	3	11	17	5	2
SDX00R-035-12	9	3	6	19	2	9	20	19	10
SDX00R-046-2	11	2	1	9	20	20	11	16	17

PRELIMINARY TEST I ROUNDUP-READY, 2003

MATURITY (date)

Strain	Mean 8 Tests	Lafayette IN	Wanatah IN	Ingham County MI	Lamberton MN	Waseca MN	St. Bruno Montarville Que.	Brookings SD	Watertown SD
AG1602	9/16	9/7	9/14	9/16	9/20	9/17	9/25	9/17	9/18
SD1091RR (0)	-4.3	-7	-6	-5	-2	-3	-3	0	-8
MN1803RR	1.8	1	3	2	3	2	1	2	0
AG1902	3.6	5	5	4	5	4	3	0	3
M97-302128RR	-2.9	-4	-4	-1	-2	-5	-2	0	-5
M97-304076RR	-5.0	-8	-7	-6	-3	-4	-1	-5	-6
SD96-170RR-28L	-2.3	-4	3	-1	-2	-4	-1	-4	-5
SD96-170RR-34	-1.6	0	2	-1	-2	-4	-1	-5	-2
SD99-026R	0.3	0	3	3	2	-2	2	3	-9
SD99-048R	1.6	1	3	2	2	0	1	2	2
SD99-096R	0.6	2	3	2	4	1	-8	3	-2
SD99-098R-1	4.9	5	4	8	6	1	9	5	1
SD00-236R	0.6	0	3	-1	1	1	-1	2	0
SD00-898R	0.5	1	3	3	2	1	-10	3	1
SD00-1018R	-3.4	-3	-2	-4	-2	-4	-3	-4	-5
SDX00R-022-66	-3.4	-8	-5	-3	-3	-2	-1	0	-5
SDX00R-024-58	0.0	0	3	-1	-2	-1	3	0	-2
SDX00R-029-3	-0.6	-1	3	-1	-2	-3	1	0	-2
SDX00R-035-12	6.9	7	7	9	6	7	11	5	3
SDX00R-046-2	3.5	2	6	3	5	2	7	3	0
Date Planted	5/21	5/24	5/23	5/22	5/14	5/16	5/31	5/16	5/24
Days to Mature	119	106	114	117	129	124	117	124	117

PRELIMINARY TEST I ROUNDUP-READY, 2003

LODGING (score)

Strain	Mean 8 Tests	Lafayette IN	Wanatah IN	Ingham County MI	Lamberton MN	Waseca MN	St. Bruno Montarville Que.	Brookings SD	Watertown SD
AG1602	1.3	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0
SD1091RR (0)	1.4	1.0	1.0	1.0	2.0	2.0	1.0	2.0	1.0
MN1803RR	1.4	1.0	1.0	1.0	2.0	2.0	1.0	2.0	1.0
AG1902	1.4	1.0	1.0	1.0	2.0	2.0	1.0	2.0	1.0
M97-302128RR	1.3	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0
M97-304076RR	1.4	1.0	1.0	1.0	2.0	2.0	1.0	2.0	1.0
SD96-170RR-28L	1.3	1.0	1.0	1.0	1.5	2.0	1.0	2.0	1.0
SD96-170RR-34	1.3	1.0	1.0	1.0	1.5	2.0	1.0	2.0	1.0
SD99-026R	1.6	1.0	1.0	1.0	2.0	2.5	1.0	3.0	1.0
SD99-048R	1.4	1.0	1.0	1.0	2.0	2.0	1.0	2.0	1.0
SD99-096R	1.6	1.3	1.0	1.0	2.0	2.5	2.0	2.0	1.0
SD99-098R-1	1.9	1.5	1.3	1.5	3.0	2.0	3.5	1.0	1.0
SD00-236R	1.4	1.0	1.0	1.0	2.0	2.0	1.0	2.0	1.0
SD00-898R	1.7	1.5	1.3	1.0	2.0	3.0	2.0	2.0	1.0
SD00-1018R	1.3	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0
SDX00R-022-66	1.4	1.0	1.0	1.0	2.0	3.0	1.0	1.0	1.0
SDX00R-024-58	1.5	1.3	1.0	1.0	2.0	2.5	1.0	2.0	1.0
SDX00R-029-3	1.3	1.0	1.0	1.0	2.0	2.5	1.0	1.0	1.0
SDX00R-035-12	1.5	1.3	1.0	1.0	2.0	2.5	1.5	2.0	1.0
SDX00R-046-2	1.5	1.3	1.0	1.0	2.0	2.0	2.5	1.0	1.0

PRELIMINARY TEST I ROUNDUP-READY, 2003

PLANT HEIGHT (inches)

Strain	Mean 8 Tests	Lafayette IN	Wanatah IN	Ingham County MI	Lamberton MN	Waseca MN	St. Bruno Montarville Que.	Brookings SD	Watertown SD
AG1602	28	23	21	25	33	29	31	33	29
SD1091RR (0)	25	20	22	22	34	29	27	25	22
MN1803RR	32	26	26	29	38	33	38	32	31
AG1902	30	25	28	28	33	31	33	33	28
M97-302128RR	30	26	26	26	36	35	30	31	26
M97-304076RR	27	23	24	24	32	32	27	30	27
SD96-170RR-28L	29	25	27	24	35	30	33	30	30
SD96-170RR-34	31	24	27	28	34	35	35	32	32
SD99-026R	30	26	29	29	37	35	33	28	27
SD99-048R	33	27	30	28	37	35	37	35	33
SD99-096R	37	31	31	32	39	41	42	39	37
SD99-098R-1	34	31	30	34	40	36	35	32	31
SD00-236R	30	26	30	27	35	32	31	30	26
SD00-898R	36	32	30	35	39	39	35	39	38
SD00-1018R	29	28	29	27	37	33	35	24	20
SDX00R-022-66	29	24	26	26	31	33	34	31	26
SDX00R-024-58	35	32	31	30	41	39	39	35	33
SDX00R-029-3	30	26	28	27	36	33	35	29	25
SDX00R-035-12	35	32	31	36	40	41	36	32	29
SDX00R-046-2	30	28	27	26	35	35	33	32	27

PRELIMINARY TEST I ROUNDUP-READY, 2003

SEED SIZE (g/100)

Strain	Mean 8 Tests	Lafayette IN	Wanatah IN	Ingham County MI	Lamberton MN	Waseca MN	St. Bruno Montarville Que.	Brookings SD	Watertown SD
AG1602	12.0	10.9	10.2	11.2	11.6	14.3	13.6	12.7	11.7
SD1091RR (0)	15.0	13.5	12.2	15.7	15.4	17.3	17.1	15.4	13.6
MN1803RR	12.3	12.5	12.0	14.8	14.0	15.1	14.9	12.6	2.9
AG1902	12.7	11.1	11.6	12.7	12.1	14.1	14.5	12.3	13.4
M97-302128RR	13.1	12.1	11.1	13.1	13.4	14.1	15.7	13.5	11.9
M97-304076RR	13.2	12.4	10.1	13.7	12.9	14.1	14.9	13.4	13.9
SD96-170RR-28L	13.2	12.7	12.3	14.4	12.8	14.0	14.2	13.0	11.9
SD96-170RR-34	14.3	14.1	13.1	14.2	12.9	15.4	15.6	15.7	13.7
SD99-026R	12.9	11.3	12.0	12.4	12.9	14.2	14.7	12.6	13.1
SD99-048R	12.9	11.8	11.8	12.7	13.0	13.7	14.2	14.3	11.4
SD99-096R	13.6	12.2	12.5	13.7	13.2	15.0	15.8	14.4	12.2
SD99-098R-1	11.4	10.4	10.2	10.8	10.5	11.6	13.5	11.9	12.6
SD00-236R	12.3	10.9	11.6	12.0	11.8	13.5	13.3	12.3	12.9
SD00-898R	13.4	12.9	12.5	13.9	12.2	14.7	14.9	13.7	12.6
SD00-1018R	12.1	11.7	10.0	12.4	11.5	13.1	14.3	12.0	11.6
SDX00R-022-66	13.6	12.4	11.1	14.5	12.6	15.6	15.9	14.9	11.5
SDX00R-024-58	10.7	9.7	9.8	10.8	9.6	11.6	12.0	10.7	11.1
SDX00R-029-3	13.6	12.8	12.2	14.9	13.0	14.8	14.7	13.7	12.9
SDX00R-035-12	10.7	9.6	10.0	9.5	11.0	11.7	11.6	11.0	11.6
SDX00R-046-2	11.8	10.9	11.7	11.6	10.4	12.6	13.9	12.0	11.2

PRELIMINARY TEST I ROUNDUP-READY, 2003

SEED QUALITY (score)

Strain	Mean 7 Tests	Lafayette IN	Wanatah IN	Ingham County MI	Lamberton MN	Waseca MN	St. Bruno Montarville Que.	Brookings SD	Watertown SD
AG1602	1.6	2.0	1.0		2.0	1.0	1.0	2.0	2.0
SD1091RR (0)	1.7	1.5	1.0		1.5	1.5	1.5	3.0	2.0
MN1803RR	1.4	1.0	1.0		1.5	1.0	1.0	3.0	1.0
AG1902	1.2	1.0	1.0		1.0	1.5	1.0	2.0	1.0
M97-302128RR	1.4	1.5	1.0		1.0	1.0	1.0	3.0	1.0
M97-304076RR	1.6	1.5	1.0		1.5	1.5	1.0	4.0	1.0
SD96-170RR-28L	1.4	1.0	1.0		1.5	1.5	1.0	2.0	2.0
SD96-170RR-34	1.4	1.0	1.0		1.5	1.0	1.0	2.0	2.0
SD99-026R	1.7	1.0	1.0		1.5	1.5	1.0	4.0	2.0
SD99-048R	1.2	1.0	1.0		1.5	1.0	1.0	2.0	1.0
SD99-096R	1.6	1.0	1.0		1.5	1.0	1.5	3.0	2.0
SD99-098R-1	1.4	1.0	1.0		1.0	1.0	1.0	3.0	2.0
SD00-236R	1.6	1.0	1.0		1.5	1.5	1.0	3.0	2.0
SD00-898R	1.4	1.0	1.0		1.5	1.0	1.5	3.0	1.0
SD00-1018R	1.6	1.0	1.0		2.0	1.5	1.0	3.0	2.0
SDX00R-022-66	1.4	1.5	1.0		1.5	1.0	1.0	3.0	1.0
SDX00R-024-58	1.2	1.0	1.0		1.5	1.0	1.0	2.0	1.0
SDX00R-029-3	1.4	1.5	1.0		1.5	1.0	1.0	3.0	1.0
SDX00R-035-12	1.6	1.0	1.0		1.5	1.5	1.0	3.0	2.0
SDX00R-046-2	1.6	1.0	1.0		1.5	1.5	1.0	3.0	2.0

PRELIMINARY TEST I ROUNDUP-READY, 2003

PROTEIN (%)

Strain	Mean 5 Tests	Lamberton MN	Waseca MN	Brookings SD	Watertown SD	St. Bruno Montarville Que.
AG1602	37.8	39.1	37.5	35.7	38.5	38.4
SD1091RR (0)	42.2	42.1	42.4	42.2	42.3	41.8
MN1803RR	40.6	41.1	39.8	39.6	41.8	40.5
AG1902	40.0	39.8	40.4	40.4	40.7	38.6
M97-302128RR	40.4	40.9	40.7	39.7	40.5	40.5
M97-304076RR	40.2	42.0	39.7	38.1	41.2	40.2
SD96-170RR-28L	39.1	40.9	39.3	35.6	40.8	39.0
SD96-170RR-34	39.6	41.6	39.5	36.5	40.7	39.8
SD99-026R	40.8	41.6	40.7	40.4	40.6	40.7
SD99-048R	40.6	41.4	40.6	37.7	42.3	41.0
SD99-096R	40.1	40.9	40.3	39.9	39.7	39.6
SD99-098R-1	39.8	39.2	40.0	41.2	39.5	38.9
SD00-236R	41.3	42.8	40.6	40.8	41.4	41.2
SD00-898R	39.3	39.7	39.6	36.9	40.9	39.3
SD00-1018R	39.2	40.3	39.0	37.2	39.8	39.7
SDX00R-022-66	39.4	40.5	39.6	38.6	39.5	38.8
SDX00R-024-58	37.9	39.9	38.3	36.5	37.7	37.4
SDX00R-029-3	40.8	40.9	40.9	41.1	41.8	39.2
SDX00R-035-12	38.3	37.9	39.0	40.6	36.9	37.2
SDX00R-046-2	40.3	40.2	41.8	39.4	40.8	39.6

PRELIMINARY TEST I ROUNDUP-READY, 2003

OIL (%)

Strain	Mean 5 Tests	Lamberton MN	Waseca MN	Brookings SD	Watertown SD	St. Bruno Montarville Que.
AG1602	21.4	21.1	21.9	21.0	20.5	22.4
SD1091RR (0)	20.7	20.5	21.1	20.4	20.1	21.6
MN1803RR	21.0	20.9	21.8	20.9	19.9	21.5
AG1902	20.4	20.1	20.6	20.0	19.1	21.9
M97-302128RR	20.6	20.4	19.5	20.0	20.7	22.3
M97-304076RR	20.7	20.3	21.2	20.4	20.1	21.4
SD96-170RR-28L	21.1	20.7	20.6	22.2	20.2	22.0
SD96-170RR-34	21.2	20.7	21.2	22.3	20.1	21.9
SD99-026R	20.3	20.4	19.3	19.9	20.6	21.6
SD99-048R	21.0	21.3	21.2	21.6	20.0	21.1
SD99-096R	20.3	19.5	21.0	20.0	19.7	21.4
SD99-098R-1	20.9	20.2	21.4	20.3	20.4	22.1
SD00-236R	20.7	20.6	21.0	20.7	19.7	21.6
SD00-898R	21.4	21.4	21.6	21.7	20.5	21.9
SD00-1018R	21.3	20.6	21.7	22.1	20.2	21.9
SDX00R-022-66	21.1	20.7	20.9	21.0	20.4	22.3
SDX00R-024-58	20.8	20.2	20.7	21.0	20.3	21.9
SDX00R-029-3	21.2	20.9	21.2	21.1	19.8	23.0
SDX00R-035-12	21.0	21.0	20.5	20.1	21.1	22.6
SDX00R-046-2	20.1	19.7	20.0	20.2	19.0	21.6

Preliminary Test II Roundup-Ready, 2003

Ent.	Strain	Parentage	Generation Composited	Unique Traits
1	HF9667-2-4RR	General x (OX 96202 x OX 961095)	F5	Rps1-k, 3a; high protein
2.	AG1902	na		
3.	AG2302	na		
4.	HF9670-3-10	Defiance x (OX 96202 x OX 961095)	F5	Rps3a; RR
5.	LD00-9276	Ina x LNX96017	F5	RR
6.	SD93-828R	SD93-828 (3) x ResnikRR	F4	Rps1-k, Rps6
7.	SDX00R-015-13	Spink x SD93-828R	F4	RR, Rps1-k, Rps6
8.	SDX00R-029-15	Pioneer P9151 x SD93-828R	F4	RR, Rps1-k
9.	SDX00R-029-17	Pioneer P9151 x SD93-828R	F4	RR, Rps1-k
10.	SDX00R-030-16	IA2041 x SD1091RR	F4	RR, Rps1-k
11.	SDX00R-035-39	A97-771039 x SD1081RR	F4	RR
12.	SDX00R-039-42	IA2021 x SD93-828R	F4	RR, Rps1-k
13.	SD01-76R	(Stride x ResnikRR) x Stride	F4	RR, Rps1-a
14.	SD01-589R	SD93-495 x SD94-1298RR	F4	RR, Rps1-k
15.	SD01-979R	Turner x ResnikRR	F4	RR, Rps1-k
16.	SD01-1459R	SD94-1467 x SD93-1037RR	F4	RR
17.	SD01-3603R	SD94-782 x SD1091RR	F4	RR, Rps1-k
18.	SD01-3607R	SD94-782 x SD1091RR	F4	RR, Rps1-k

PRELIMINARY TEST II ROUNDUP-READY, 2003

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Green Stem Score Harrow Ont	Shattering Score Ashland KS	PR Lafayette Race 4	PR Lafayette Race 7	PS Lafayette a %	P&SB Lafayette n %
HF9667-2-4RR	PGTDYIbI	1.0	1.0	R	R	x	x
AG1902	PTTIYBlI	1.0	1.0	R	R	x	x
AG2302	PGTIYIbI	1.0	1.0	R	R	x	x
HF9670-3-10	PGTSYIbI	1.0	1.0	S*	S	x	x
LD00-9276	WGTDYLbfI	1.0	1.0	S	R	x	x
SD93-828R	PGBDYIbI	1.0	1.0	R	R	x	x
SDX00R-015-13	PGBDYIbI	1.0	1.0	R	R	x	x
SDX00R-029-15	PTBDYBlI	1.0	1.0	R	R	x	x
SDX00R-029-17	PSBDYSI	1.0	1.0	R	R	x	x
SDX00R-030-16	PGBDYBfI	1.0	1.0	S*	H*	6	6
SDX00R-035-39	P+WGBDYSI	1.0	1.0	S	S	6	2
SDX00R-039-42	PGBDYIbI	1.0	2.0	R	R	6	4
SD01-76R	PGTIYIbI	1.0	1.0	S	S	0	2
SD01-589R	WSBDYBl+BfI	1.0	1.0	R	R	8	0
SD01-979R	PTTDYBlI	1.0	1.0	R	R	10	0
SD01-1459R	P+WGTDYSI	1.0	2.0	R	R	12	0
SD01-3603R	PGBIYIb+BfI	1.0	1.0	R	R	2	0
SD01-3607R	PGBDYIbI	1.0	2.0	R	R	0	0

* = entry being retested; x= no data

PRELIMINARY TEST II ROUNDUP-READY, 2003

REGIONAL SUMMARY

	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	Composition Protein	Composition Oil
No. of Tests	9	9	9	9	9	8	7	5	5
Strain	bu/a	No.	Date	Score	In.	g/100	Score	%	%
HF9667-2-4RR	40.4	17	9/19	1.3	34	12.4	1.4	45.5	17.9
AG1902	50.1	1	-5.4	1.3	30	12.5	1.6	40.5	19.9
AG2302	47.4	7	-3.3	1.1	30	13.4	1.7	41.2	20.3
HF9670-3-10	42.8	14	3.3	1.6	37	14.2	2.0	42.3	19.8
LD00-9276	47.6	6	1.5	1.4	34	10.5	1.5	40.2	19.6
SD93-828R	44.5	11	-6.5	1.3	34	11.9	1.5	40.7	20.2
SDX00R-015-13	36.7	18	-10.7	1.1	25	12.5	1.9	40.3	20.1
SDX00R-029-15	42.4	16	-7.5	1.3	31	12.6	1.8	38.0	18.9
SDX00R-029-17	45.3	10	-6.3	1.3	32	14.0	1.8	40.1	20.8
SDX00R-030-16	42.7	15	-3.8	1.3	30	15.2	1.6	44.2	19.7
SDX00R-035-39	44.3	13	-2.5	1.3	34	11.8	2.0	40.8	20.0
SDX00R-039-42	49.2	3	-1.7	1.4	34	11.9	1.6	37.5	20.7
SD01-76R	48.6	4	-5.4	1.1	33	13.0	1.4	41.1	20.9
SD01-589R	44.4	12	1.7	2.3	41	12.5	1.6	40.7	20.4
SD01-979R	48.0	5	0.0	1.9	36	12.0	1.5	42.7	19.4
SD01-1459R	46.5	8	-0.7	1.3	35	12.1	1.8	40.5	20.3
SD01-3603R	49.5	2	1.9	1.7	38	16.3	1.9	40.3	20.3
SD01-3607R	45.8	9	3.4	1.6	37	14.1	1.5	41.6	19.7

123.6 Days After Planting

PRELIMINARY TEST II ROUNDUP-READY, 2003

YIELD (bu/a)

Strain	Mean 9 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Wooster OH	Harrow Ont.	Ridgetown Ont.	Beresford SD	Brookings SD
HF9667-2-4RR	40.4	35.7	34.0	36.8	24.2	66.4	40.0	47.2	41.3	37.9
AG1902	50.1	47.4	39.0	37.5	39.6	68.3	61.9	62.7	49.3	45.6
AG2302	47.4	46.7	40.3	35.9	29.8	66.8	55.4	54.5	52.4	45.2
HF9670-3-10	42.8	39.9	38.2	36.8	24.6	71.2	44.3	49.8	44.8	35.2
LD00-9276	47.6	45.9	42.5	43.2	37.1	64.4	52.4	56.5	45.8	40.5
SD93-828R	44.5	43.4	35.2	33.3	36.9	65.6	53.0	46.9	46.0	40.6
SDX00R-015-13	36.7	27.5	30.0	21.3	29.3	40.0	42.3	50.4	47.0	42.1
SDX00R-029-15	42.4	40.7	34.8	27.4	32.8	60.3	50.3	49.3	44.4	41.9
SDX00R-029-17	45.3	38.7	38.2	35.8	33.6	65.8	50.7	52.8	46.5	45.4
SDX00R-030-16	42.7	36.6	33.6	31.3	29.2	62.1	48.9	49.6	50.1	43.3
SDX00R-035-39	44.3	40.8	34.3	30.0	35.5	62.2	49.6	54.8	46.8	44.3
SDX00R-039-42	49.2	42.8	38.5	40.2	41.7	65.6	57.0	61.3	47.8	48.1
SD01-76R	48.6	42.2	40.1	39.3	37.1	74.1	55.2	57.3	47.7	44.4
SD01-589R	44.4	41.6	41.2	43.2	29.5	64.7	44.6	53.8	39.5	41.6
SD01-979R	48.0	44.2	40.9	45.0	39.6	72.5	52.4	54.2	44.7	38.6
SD01-1459R	46.5	41.3	40.8	38.7	37.0	69.5	49.6	55.9	43.4	42.5
SD01-3603R	49.5	46.9	40.3	43.9	35.6	69.4	54.1	59.5	48.6	46.9
SD01-3607R	45.8	43.8	39.9	40.8	32.4	71.3	51.2	52.3	42.8	38.1
C.V. (%)		7.0	6.8	9.0	9.4	6.2	6.0	5.8	5.8	6.8
L.S.D. (5%)		6.1	5.4	6.9	5.5	7.1	5.3	4.3	5.7	6.1
Row Sp. (In.)		30	24	26	15	7.5	18	17	30	30
Rows/Plot		4	4	4	6	8	5	5	4	4
Reps		2	2	2	2	2	2	3	2	2

PRELIMINARY TEST II ROUNDUP-READY, 2003

YIELD RANK

Strain	Yield Rank	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Wooster OH	Harrow Ont.	Ridgetown Ont.	Beresford SD	Brookings SD
HF9667-2-4RR	17	17	16	10	18	9	18	17	17	17
AG1902	1	1	9	9	2	7	1	1	3	3
AG2302	7	3	5	12	13	8	3	8	1	5
HF9670-3-10	14	14	11	10	17	4	16	14	12	18
LD00-9276	6	4	1	3	4	15	7	5	11	14
SD93-828R	11	7	13	14	7	12	6	18	10	13
SDX00R-015-13	18	18	18	18	15	20	17	13	7	10
SDX00R-029-15	16	13	14	17	11	19	11	16	14	11
SDX00R-029-17	10	15	11	13	10	11	10	11	9	4
SDX00R-030-16	15	16	17	15	16	18	14	15	2	8
SDX00R-035-39	13	12	15	16	9	17	13	7	8	7
SDX00R-039-42	3	8	10	6	1	12	2	2	5	1
SD01-76R	4	9	7	7	5	1	4	4	6	6
SD01-589R	12	10	2	3	14	14	15	10	18	12
SD01-979R	5	5	3	1	3	2	8	9	13	15
SD01-1459R	8	11	4	8	6	5	12	6	15	9
SD01-3603R	2	2	5	2	8	6	5	3	4	2
SD01-3607R	9	6	8	5	12	3	9	12	16	16

PRELIMINARY TEST II ROUNDUP-READY, 2003

MATURITY (date)

Strain	Mean 9 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Wooster OH	Harrow Ont.	Ridgetown Ont.	Beresford SD	Brookings SD
HF9667-2-4RR	9/19	9/4	9/15	9/24	9/18	9/9	9/22	9/25	9/28	9/27
AG1902	-5.4	-6	-2	-6	-2	-2	-4	-4	-13	-10
AG2302	-3.3	-5	-1	-5	1	1	-2	-5	-6	-8
HF9670-3-10	3.3	6	-5	3	10	6	4	6	-3	3
LD00-9276	1.5	4	0	0	5	4	2	4	0	-5
SD93-828R	-6.5	-8	-7	-7	-3	-2	-3	-9	-13	-7
SDX00R-015-13	-10.7	-12	-13	-15	-9	-7	-9	-11	-5	-15
SDX00R-029-15	-7.5	-6	-7	-9	-6	-1	-7	-10	-12	-9
SDX00R-029-17	-6.3	-7	-6	-7	-2	-1	-5	-7	-14	-8
SDX00R-030-16	-3.8	-4	-3	-6	-2	-0	-3	-5	-5	-6
SDX00R-035-39	-2.5	-3	-2	-3	1	3	1	0	-12	-8
SDX00R-039-42	-1.7	-2	-2	-2	1	1	-1	-5	-4	-1
SD01-76R	-5.4	-4	-6	-6	1	-1	-5	-6	-12	-9
SD01-589R	1.7	5	4	3	3	2	4	8	-8	-6
SD01-979R	0.0	2	-1	-2	9	3	3	4	-12	-6
SD01-1459R	-0.7	-1	-1	-1	2	2	-1	0	-6	0
SD01-3603R	1.9	3	0	1	4	5	3	4	-5	2
SD01-3607R	3.4	5	3	3	6	6	3	7	-3	1
Date Planted	5/18	4/29	5/24	5/23	5/22	5/1	5/27	6/7	5/17	5/16
Days to Mature	124	128	114	124	119	131	118	110	134	134

PRELIMINARY TEST II ROUNDUP-READY, 2003

LODGING (score)

Strain	Mean 9 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Wooster OH	Harrow Ont.	Ridgetown Ont.	Beresford SD	Brookings SD
HF9667-2-4RR	1.3	1.0	1.0	1.0	1.0	1.9	1.0	1.0	2.0	2
AG1902	1.3	1.0	1.0	1.0	1.0	1.6	1.0	1.7	2.0	1
AG2302	1.1	1.0	1.0	1.0	1.0	1.2	1.0	1.0	2.0	1
HF9670-3-10	1.6	1.5	1.0	1.0	1.0	1.7	1.0	2.0	3.0	2
LD00-9276	1.4	1.5	1.0	1.0	1.0	1.6	1.0	1.7	2.0	2
SD93-828R	1.3	1.0	1.0	1.0	1.0	2.0	1.0	1.0	2.0	2
SDX00R-015-13	1.1	1.0	1.0	1.0	1.0	1.5	1.0	1.0	1.0	1
SDX00R-029-15	1.3	1.0	1.0	1.0	1.0	1.3	1.0	1.0	2.0	2
SDX00R-029-17	1.3	1.0	1.0	1.0	1.0	1.9	1.0	1.0	2.0	2
SDX00R-030-16	1.3	1.0	1.0	1.0	1.0	1.7	1.0	1.0	2.0	2
SDX00R-035-39	1.3	1.0	1.0	1.0	1.0	1.9	1.0	1.0	3.0	1
SDX00R-039-42	1.4	1.0	1.0	1.0	1.0	2.1	1.0	1.3	2.0	2
SD01-76R	1.1	1.0	1.0	1.0	1.0	1.9	1.0	1.0	1.0	1
SD01-589R	2.3	1.8	2.0	1.5	2.0	2.4	2.0	3.0	4.0	2
SD01-979R	1.9	1.5	1.3	1.0	1.5	2.9	1.5	2.0	3.0	2
SD01-1459R	1.3	1.0	1.0	1.0	1.0	1.8	1.0	1.3	2.0	2
SD01-3603R	1.7	1.3	2.0	1.0	1.0	2.3	1.0	2.0	3.0	2
SD01-3607R	1.6	1.5	1.0	1.0	1.0	2.8	1.0	2.0	2.0	2

PRELIMINARY TEST II ROUNDUP-READY, 2003

PLANT HEIGHT (inches)

Strain	Mean 9 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Wooster OH	Harrow Ont.	Ridgetown Ont.	Beresford SD	Brookings SD
HF9667-2-4RR	34	30	27	28	30	37	33	40	39	38
AG1902	30	29	28	28	27	31	28	33	36	31
AG2302	30	29	27	26	26	29	28	37	37	32
HF9670-3-10	37	37	33	31	33	37	35	45	43	38
LD00-9276	34	31	32	32	31	32	30	39	40	35
SD93-828R	34	29	30	29	33	32	31	36	42	43
SDX00R-015-13	25	20	24	23	22	21	21	30	33	31
SDX00R-029-15	31	30	29	30	23	29	29	32	38	37
SDX00R-029-17	32	26	28	29	27	33	27	36	39	39
SDX00R-030-16	30	24	26	28	28	29	27	36	39	31
SDX00R-035-39	34	31	28	26	33	35	33	40	41	35
SDX00R-039-42	34	31	29	30	30	36	33	36	40	41
SD01-76R	33	29	27	29	31	33	33	39	40	34
SD01-589R	41	37	36	37	39	40	40	45	46	46
SD01-979R	36	35	32	32	37	39	35	42	40	36
SD01-1459R	35	32	31	30	31	36	31	40	43	43
SD01-3603R	38	33	34	33	35	41	35	42	46	45
SD01-3607R	37	35	31	29	34	38	35	45	42	41

PRELIMINARY TEST II ROUNDUP-READY, 2003

SEED SIZE (g/100)

Strain	Mean 8 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Wooster OH	Harrow Ont.	Ridgetown Ont.	Beresford SD	Brookings SD
HF9667-2-4RR	12.4	12.1	11.7	14.7	11.4	14.4	12.0		11.2	12.1
AG1902	12.5	12.5	11.5	12.1	13.6	14.2	12.5		11.5	12.5
AG2302	13.4	13.6	13.2	13.2	14.0	13.9	14.0		12.2	13.1
HF9670-3-10	14.2	13.4	12.7	16.0	13.4	17.3	14.8		12.9	13.2
LD00-9276	10.5	10.9	9.5	11.0	10.3	10.9	11.3		9.5	10.3
SD93-828R	11.9	12.3	10.5	10.7	13.1	13.8	12.0		11.2	11.5
SDX00R-015-13	12.5	13.6	11.4	9.8	13.3	13.2	12.9		12.4	13.1
SDX00R-029-15	12.6	12.8	11.5	11.1	13.4	15.0	12.2		12.2	12.3
SDX00R-029-17	14.0	13.8	13.0	13.6	16.1	15.1	13.8		13.5	13.5
SDX00R-030-16	15.2	15.0	14.2	14.1	15.7	18.5	15.5		14.8	14.2
SDX00R-035-39	11.8	12.1	11.1	10.2	11.9	13.2	11.5		11.5	12.6
SDX00R-039-42	11.9	11.9	10.4	11.8	12.5	14.0	11.7		11.0	11.8
SD01-76R	13.0	13.6	12.1	12.0	14.4	14.9	12.4		10.6	13.9
SD01-589R	12.5	12.3	11.4	12.7	13.8	15.2	13.3		11.1	10.5
SD01-979R	12.0	11.2	10.7	12.5	13.1	13.9	13.1		10.5	11.1
SD01-1459R	12.1	12.7	11.5	12.4	13.2	13.3	12.8		10.4	10.6
SD01-3603R	16.3	15.9	13.9	17.3	16.5	18.1	16.5		14.1	18.4
SD01-3607R	14.1	13.3	14.4	14.7	13.2	17.5	14.0		12.7	13.3

PRELIMINARY TEST II ROUNDUP-READY, 2003

SEED QUALITY (score)

Strain	Mean 7 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Wooster OH	Harrow Ont.	Ridgetown Ont.	Beresford SD	Brookings SD
HF9667-2-4RR	1.4	1.5	1.0	1.0		1.5	1.0		2.0	2.0
AG1902	1.6	2.5	1.0	1.0		1.8	1.0		2.0	2.0
AG2302	1.7	2.5	1.0	1.0		1.5	1.0		2.0	3.0
HF9670-3-10	2.0	2.5	2.0	1.0		1.7	1.0		1.0	5.0
LD00-9276	1.5	2.0	1.0	1.0		1.7	1.0		2.0	2.0
SD93-828R	1.5	2.0	1.0	1.0		1.5	1.0		2.0	2.0
SDX00R-015-13	1.9	2.5	1.5	1.0		1.8	1.5		3.0	2.0
SDX00R-029-15	1.8	2.0	1.0	1.0		1.9	1.0		3.0	3.0
SDX00R-029-17	1.8	2.0	1.0	1.0		1.6	1.0		3.0	3.0
SDX00R-030-16	1.6	2.0	1.0	1.0		2.3	1.0		2.0	2.0
SDX00R-035-39	2.0	2.0	1.0	1.0		1.8	2.0		3.0	3.0
SDX00R-039-42	1.6	2.5	1.0	1.0		1.8	1.0		2.0	2.0
SD01-76R	1.4	2.0	1.0	1.0		1.6	1.0		2.0	1.0
SD01-589R	1.6	2.5	1.0	1.0		1.5	1.5		2.0	2.0
SD01-979R	1.5	1.5	1.0	1.0		1.6	1.5		2.0	2.0
SD01-1459R	1.8	2.0	1.0	1.0		1.5	1.0		2.0	4.0
SD01-3603R	1.9	2.0	1.0	1.0		1.6	1.0		2.0	5.0
SD01-3607R	1.5	2.0	1.0	1.0		1.6	1.0		2.0	2.0

PRELIMINARY TEST II ROUNDUP-READY, 2003

PROTEIN (%)

Strain	Mean 5 Tests	Urbana IL	Lafayette IN	Wanatah IN	Wooster OH	Beresford SD
HF9667-2-4RR	45.5	48.0	46.8	44.5	46.6	41.8
AG1902	40.5	40.6	41.1	38.8	41.2	40.6
AG2302	41.2	41.6	42.0	39.7	41.0	41.7
HF9670-3-10	42.3	44.4	42.8	41.2	43.0	40.1
LD00-9276	40.2	42.0	40.9	38.5	40.8	38.7
SD93-828R	40.7	40.1	42.5	39.6	39.7	41.7
SDX00R-015-13	40.3	40.0	40.9	42.2	39.2	39.0
SDX00R-029-15	38.0	41.1	39.7	41.4	27.6	40.2
SDX00R-029-17	40.1	40.7	41.9	38.7	40.5	39.0
SDX00R-030-16	44.2	43.9	45.8	44.5	42.0	44.6
SDX00R-035-39	40.8	41.2	41.7	40.0	40.6	40.6
SDX00R-039-42	37.5	39.6	39.7	33.7	36.9	37.2
SD01-76R	41.1	41.8	43.3	39.2	40.2	41.1
SD01-589R	40.7	41.9	42.5	39.4	40.2	39.7
SD01-979R	42.7	44.7	42.9	41.2	42.8	42.2
SD01-1459R	40.5	42.3	42.1	38.6	39.9	39.8
SD01-3603R	40.3	41.7	41.6	39.1	40.5	38.6
SD01-3607R	41.6	43.8	42.3	40.6	40.9	40.6

PRELIMINARY TEST II ROUNDUP-READY, 2003

OIL (%)

Strain	Mean 5 Tests	Urbana IL	Lafayette IN	Wanatah IN	Wooster OH	Beresford SD
HF9667-2-4RR	17.9	17.7	17.9	18.6	17.7	17.6
AG1902	19.9	20.1	19.9	20.2	19.0	20.3
AG2302	20.3	20.9	20.4	20.7	19.4	20.1
HF9670-3-10	19.8	19.8	19.7	20.2	19.7	19.8
LD00-9276	19.6	19.5	19.7	20.7	18.6	19.7
SD93-828R	20.2	20.4	19.7	20.6	20.7	19.4
SDX00R-015-13	20.1	20.2	20.3	19.4	20.5	20.2
SDX00R-029-15	18.9	20.3	21.3	20.2	12.1	20.9
SDX00R-029-17	20.8	21.1	20.6	21.0	20.0	21.3
SDX00R-030-16	19.7	20.5	19.1	19.6	20.1	19.3
SDX00R-035-39	20.0	20.5	19.9	20.1	19.2	20.4
SDX00R-039-42	20.7	20.2	20.0	21.9	20.5	21.1
SD01-76R	20.9	21.0	20.6	20.8	21.2	20.9
SD01-589R	20.4	20.8	20.6	21.4	19.7	19.8
SD01-979R	19.4	19.2	19.3	20.4	18.9	18.9
SD01-1459R	20.3	20.4	19.9	21.2	19.7	20.2
SD01-3603R	20.3	20.8	20.0	21.1	19.0	20.4
SD01-3607R	19.7	19.9	19.9	20.2	19.2	19.3

Preliminary Test III Roundup-Ready, 2003

Ent.	Strain	Parentage	Generation Composited	Unique Traits
1	AG3401	na		RR, SCN
2.	AG3003	na		RR
3.	AG3201	na		RR, SCN
4.	DKB3852	na		RR, SCN
5.	HF9665-2-15RR	(OX 96382 x Delsoy 4710) x Flint	F5	Rps1-k, RR
6.	HF9667-2-15RR	General x (OX 96202 x OX 961095)	F5	Rps1-k, 3a; high protein
7.	K1583RR	KS3494//KY91-1352 x (Resnik2 x 40-3-2)	F5	RR
8.	K1584RR	K1277//K1277 x (Resnik2 x 40-3-2)	F5	RR
9.	LD00-11426	Savoy x LNX960498	F5	RR

PRELIMINARY TEST III ROUNDUP-READY, 2003

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Shattering Score Ashland KS	PR Lafayette Race 4	PR Lafayette Race 7	PS Lafayette a %	P&SB Lafayette n %
AG3401	PGBIYIbI	1.0	S	R	x	x
AG3003	PGBIYIbI	2.0	R	R	x	x
AG3201	PGBIYIbI	1.0	R	R	x	x
DKB3852	WGTSYLbfI	2.0	S	R	x	x
HF9665-2-15RR	PTBSYBlI	1.0	R	R	x	x
HF9667-2-15RR	PLtTDYBlI	1.0	R	R	x	x
K1583RR	PTBDYBlI	1.0	S	S	x	x
K1584RR	WTTDYBrI	1.0	S	R	x	x
LD00-11426	PTTDYBlI	1.0	R	R	x	x

x= no data

PRELIMINARY TEST III ROUNDUP-READY, 2003

REGIONAL SUMMARY

					Plant	Seed	Seed	Composition	
	Yield	Rank	Maturity	Lodging	Height	Size	Quality	Protein	Oil
No. of Tests	8	8	8	8	8	7	6	5	5
Strain	bu/a	No.	Date	Score	In.	g/100	Score	%	%
AG3401	52.8	2	9/28	1.8	36	13.5	1.9	40.8	20.4
AG3003	50.0	4	-4.7	1.3	32	12.8	2.1	39.9	20.8
AG3201	51.9	3	-4.2	1.4	34	13.5	2.2	39.3	20.9
DKB3852	56.3	1	2.8	1.3	33	13.7	1.9	39.6	21.0
HF9665-2-15RR	44.9	7	-1.3	1.9	30	13.2	1.8	41.9	20.0
HF9667-2-15RR	44.4	8	-2.9	1.8	35	14.2	1.7	43.6	19.2
K1583RR	45.3	6	1.6	1.3	31	14.3	2.0	40.9	19.7
K1584RR	48.4	5	1.5	1.2	32	12.8	1.9	39.9	19.9
LD00-11426	42.6	9	-6.5	1.6	29	15.4	2.3	40.0	20.2

134.0 Days After Planting

PRELIMINARY TEST III ROUNDUP-READY, 2003

YIELD (bu/a)

Strain	Mean 8 Tests	Middletown DE	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS	Kingdom City MO	Wooster OH	South Charleston OH
AG3401	52.8	47.9	60.1	52.0	62.3	37.4	26.4	78.1	58.1
AG3003	50.0	51.0	55.9	48.1	55.7	27.4	27.5	78.2	56.2
AG3201	51.9	39.4	60.1	49.9	57.0	34.4	31.6	85.0	58.1
DKB3852	56.3	51.4	64.1	56.4	55.9	40.1	37.5	79.6	65.7
HF9665-2-15RR	44.9	54.4	37.2	44.5	46.1	30.0	18.7	71.5	56.7
HF9667-2-15RR	44.4	40.0	42.7	42.6	54.7	31.3	28.0	64.8	51.0
K1583RR	45.3	47.4	41.4	44.0	52.5	36.1	28.0	56.6	56.8
K1584RR	48.4	47.7	42.3	49.6	59.5	35.0	32.3	68.7	51.8
LD00-11426	42.6	23.8	45.8	48.0	46.2	29.1	21.6	74.4	51.4
C.V. (%)		4.9	3.8	4.5	6.2	5.9	3.3	3.6	5.0
L.S.D. (5%)		4.8	4.3	5.4	7.7	4.5	1.7	4.9	6.5
Row Sp. (In.)		15	30	24	30	30	30	7.5	15
Rows/Plot		5	4	4	4	4	4	8	6
Reps		2	2	2	2	2	2	2	2

PRELIMINARY TEST III ROUNDUP-READY, 2003

YIELD RANK

Strain	Yield Rank	Middletown DE	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS	Kingdom City MO	Wooster OH	South Charleston OH
AG3401	2	4	3	2	1	2	7	4	2
AG3003	4	3	4	5	5	9	6	3	6
AG3201	3	8	3	3	3	5	3	1	2
DKB3852	1	2	1	1	4	1	1	2	1
HF9665-2-15RR	7	1	9	7	9	7	9	6	5
HF9667-2-15RR	8	7	6	9	6	6	4	8	9
K1583RR	6	6	8	8	7	3	4	9	4
K1584RR	5	4	7	4	2	4	2	7	7
LD00-11426	9	9	5	6	8	8	8	5	8

PRELIMINARY TEST III ROUNDUP-READY, 2003

MATURITY (date)

Strain	Mean 8 Tests	Middletown DE	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS	Kingdom City MO	Wooster OH	South Charleston OH
AG3401	9/28	10/9	9/19	9/29	9/26	9/29	10/1	9/27	9/28
AG3003	-4.7	-4	-3	-5	-7	-7	-4	-4	-4
AG3201	-4.2	-5	-5	-5	-6	-4	-3	-4	-2
DKB3852	2.8	2	3	2	3	3	5	4	1
HF9665-2-15RR	-1.3	0	-1	1	-2	-3	-5	2	-2
HF9667-2-15RR	-2.9	-2	-2	-3	-2	-5	-3	-4	-2
K1583RR	1.6	3	1	-1	2	3	2	4	-1
K1584RR	1.5	3	0	-1	2	7	4	-0	-2
LD00-11426	-6.5	1	-7	-9	-8	-13	-5	-7	-4
Date Planted	5/17	6/17	4/29	5/24	5/14	5/28	5/28	5/1	4/28
Days to Mature	134	114	143	128	135	124	126	149	153

PRELIMINARY TEST III ROUNDUP-READY, 2003

LODGING (score)

Strain	Mean 8 Tests	Middletown DE	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS	Kingdom City MO	Wooster OH	South Charleston OH
AG3401	1.8	2.0	1.0	1.0	3.0	1.5	1.0	2.3	2.3
AG3003	1.3	2.0	1.0	1.0	1.5	1.0	1.0	1.3	1.3
AG3201	1.4	2.0	1.0	1.0	2.5	1.0	1.0	1.2	1.3
DKB3852	1.3	1.0	1.0	1.0	1.5	1.0	1.0	2.1	1.5
HF9665-2-15RR	1.9	3.0	1.0	1.0	3.5	1.0	1.0	2.9	2.0
HF9667-2-15RR	1.8	2.0	1.0	1.0	3.0	1.0	1.0	2.8	2.3
K1583RR	1.3	1.0	1.0	1.0	1.0	1.0	1.0	2.5	1.5
K1584RR	1.2	1.0	1.0	1.0	1.5	1.0	1.0	1.9	1.0
LD00-11426	1.6	2.0	1.0	1.0	3.5	1.0	1.0	2.0	1.5

PRELIMINARY TEST III ROUNDUP-READY, 2003

PLANT HEIGHT (inches)

Strain	Mean 8 Tests	Middletown DE	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS	Kingdom City MO	Wooster OH	South Charleston OH
AG3401	36	30	38	34	44	40	31	40	34
AG3003	32	27	35	31	39	32	25	36	33
AG3201	34	29	34	32	40	37	28	38	33
DKB3852	33	28	37	31	43	35	25	36	32
HF9665-2-15RR	30	26	31	29	35	30	20	36	32
HF9667-2-15RR	35	28	35	32	44	41	24	42	35
K1583RR	31	32	32	27	36	33	20	34	34
K1584RR	32	27	32	32	41	38	27	30	30
LD00-11426	29	24	30	27	32	30	22	38	28

PRELIMINARY TEST III ROUNDUP-READY, 2003

SEED SIZE (g/100)

Strain	Mean 7 Tests	Middletown DE	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS	Kingdom City MO	Wooster OH	South Charleston OH
AG3401	13.5		12.8	13.0	14.8	11.4	13.0	15.6	14.2
AG3003	12.8		12.4	11.9	15.2	12.2	11.0	13.7	12.9
AG3201	13.5		12.9	11.7	14.7	13.0	12.0	14.3	15.7
DKB3852	13.7		13.8	13.4	13.7	11.1	14.0	15.8	13.9
HF9665-2-15RR	13.2		11.5	12.5	13.1	11.7	14.0	15.2	14.3
HF9667-2-15RR	14.2		13.6	13.4	15.2	13.3	13.0	16.2	14.9
K1583RR	14.3		13.9	12.9	14.2	15.8	15.0	14.6	13.8
K1584RR	12.8		12.3	12.0	12.9	12.4	12.0	14.0	13.7
LD00-11426	15.4		12.1	15.2	18.3		14.0	17.1	15.8

PRELIMINARY TEST III ROUNDUP-READY, 2003

SEED QUALITY (score)

Strain	Mean 6 Tests	Middletown DE	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS	Kingdom City MO	Wooster OH	South Charleston OH
AG3401	1.9		2.0	1.0	2.0	2.0	2.0	2.4	
AG3003	2.1		2.0	1.0	3.0	2.0	3.0	1.6	
AG3201	2.2		2.5	1.0	3.0	2.0	3.0	1.5	
DKB3852	1.9		2.0	1.0	2.0	2.0	2.0	2.3	
HF9665-2-15RR	1.8		2.0	1.0	2.0	2.0	2.0	1.7	
HF9667-2-15RR	1.7		2.0	1.0	2.0	2.0	2.0	1.4	
K1583RR	2.0		2.0	1.0	2.0	2.0	2.0	2.9	
K1584RR	1.9		2.5	1.0	2.0	2.0	2.0	1.7	
LD00-11426	2.3		2.0	1.0	3.0		4.0	1.7	

PRELIMINARY TEST III ROUNDUP-READY, 2003

PROTEIN (%)

Strain	Mean 5 Tests	Urbana Il	Lafayette IN	Ashland KS	Kingdom City MO	Hoytville OH
AG3401	40.8	41.5	41.0	41.5	39.4	40.4
AG3003	39.9	41.5	40.3	41.1	37.1	39.6
AG3201	39.3	40.3	40.4	40.5	36.2	39.1
DKB3852	39.6	40.1	38.9	40.3	38.9	39.6
HF9665-2-15RR	41.9	42.7	40.0	41.9	44.5	40.3
HF9667-2-15RR	43.6	45.4	40.9	46.8	39.4	45.3
K1583RR	40.9	39.8	45.1	40.8	38.9	40.1
K1584RR	39.9	40.6	39.4	39.9	39.5	40.3
LD00-11426	40.0	42.3	38.8	42.8	37.7	38.5

PRELIMINARY TEST III ROUNDUP-READY, 2003

OIL (%)

Strain	Mean 5 Tests	Urbana Il	Lafayette IN	Ashland KS	Kingdom City MO	Hoytville OH
AG3401	20.4	20.7	20.3	20.1	21.0	19.9
AG3003	20.8	20.9	20.9	20.3	22.1	19.9
AG3201	20.9	20.9	20.5	20.8	21.6	20.5
DKB3852	21.0	21.3	21.3	21.0	21.7	19.9
HF9665-2-15RR	20.0	19.9	21.2	20.4	18.3	20.2
HF9667-2-15RR	19.2	17.4	21.0	17.5	21.8	18.4
K1583RR	19.7	20.6	18.4	20.0	20.3	19.2
K1584RR	19.9	20.5	20.5	19.6	19.9	19.1
LD00-11426	20.2	19.2	20.5	19.9	21.5	19.6

Preliminary Test IV Roundup-Ready, 2003

Ent.	Strain	Parentage	Generation Composited	Unique Traits
1	MPV 457RR	na		RR
2.	DKB3852	na		RR, SCN
3.	AG4201	na		RR, SCN
4.	AG4403	na		RR, SCN
5.	K1552RR	KS4895//KS4895 x (Resnik2 x 40-3-2)	F5	RR
6.	K1553RR	KS4895//KS4895 x (Resnik2 x 40-3-2)	F5	RR
7.	K1582RR	K1235//K1235 x (Resnik2 x 40-3-2)	F5	RR
8.	K1594RR	K1235//K1235 x (Resnik2 x 40-3-2)	F5	RR
9.	Md 99-0053-1 RR	Croton 3.9 X (Corsica x Monsanto RR)	F5	RR
10.	Md 99-0312-2 RR	Corsica (2) X Monsanto RR	F5	RR
11.	Md 99-0533-3 RR	Stressland X (Md 92-5850 x Monsanto RR)	F5	RR
12.	S02-653CR	(S86-4499(2) x RR) x Unknown	F5	RR
13.	S02-660CR	(S86-4499(2) x RR) x Unknown	F5	RR
14.	S02-670CR	(S86-4499(2) x RR) x Unknown	F5	RR
15.	S02-679CR	(S86-4499(2) x RR) x Unknown	F5	RR
16.	S02-691CR	R95-3235 x (S86-4499(2) x RR)	F5	RR

PRELIMINARY TEST IV ROUNDUP-READY, 2003

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Green Stem Score Jackson TN	Shattering Score Ashland KS	PR Lafayette Race 4	PR Lafayette Race 7	PS Lafayette a %	P&SB Lafayette n %
MPV 457RR	WTBSYBlI	5.0	1.0	R	R	0	0
DKB3852	WGTSYLbfI	4.0	1.0	S	R	4	0
AG4201	WTTIYBlI	2.5	1.0	S	R	0	0
AG4403	PTTSYBlI	2.5	1.0	S	S	0	0
K1552RR	WTTDYBrI	4.5	1.0	S	S	6	0
K1553RR	W+PTTDYBrI	5.0	1.0	S	S	2	0
K1582RR	PTTIYBrI	3.5	1.0	S	S	0	0
K1594RR	PTTDYBrI	3.5	1.0	S	H	0	0
Md 99-0053-1 RR	PTBDYLblI	4.5	1.0	S	H	2	0
Md 99-0312-2 RR	PTTDYLbrI	3.0	1.0	S	R	8	0
Md 99-0533-3 RR	PTBDYLblI	1.0	1.0	S	S	0	0
S02-653CR	PTTDYBlI	2.5	1.0	S	R	0	4
S02-660CR	P+WTTDYLblI	1.5	1.0	S	R	x	x
S02-670CR	WTTDYLblI	3.5	1.0	S	R	x	x
S02-679CR	WTTDYLblI	2.5	1.0	S	R	x	x
S02-691CR	WGBDYLbfI	2.5	1.0	S	R	x	x

x= no data

PRELIMINARY TEST IV ROUNDUP-READY, 2003

REGIONAL SUMMARY

	Yield	Rank	Maturity	Lodging	Plant Height	Seed Size	Seed Quality	Composition Protein	Composition Oil
No. of Tests	12	12	12	12	12	11	11	4	4
Strain	bu/a	No.	Date	Score	IL.	g/100	Score	%	%
MPV 457RR	50.7	5	10/8	1.8	37	15.1	1.8	41.0	20.1
DKB3852	51.3	3	-6.0	1.3	32	14.2	1.9	39.3	20.9
AG4201	52.9	1	-2.5	1.6	33	16.1	1.9	40.9	19.9
AG4403	51.0	4	-1.0	1.4	36	13.4	1.6	39.5	20.6
K1552RR	49.5	7	-2.9	1.6	34	14.9	2.0	41.5	20.0
K1553RR	50.1	6	-2.2	1.6	33	15.1	1.9	41.1	20.4
K1582RR	47.6	11	-2.9	1.5	32	14.8	1.8	40.9	20.3
K1594RR	51.6	2	-2.5	1.8	33	15.4	1.9	41.4	20.1
Md 99-0053-1 RR	47.3	12	-2.9	1.7	39	14.7	1.9	43.8	19.6
Md 99-0312-2 RR	45.1	15	-1.9	2.2	34	14.4	1.9	41.6	19.8
Md 99-0533-3 RR	48.0	8	-1.5	1.8	35	12.4	1.7	42.6	19.4
S02-653CR	46.5	14	1.2	2.5	43	17.5	1.6	40.0	19.8
S02-660CR	47.0	13	1.4	2.2	42	17.6	1.7	40.3	19.9
S02-670CR	47.9	9	0.3	1.7	36	14.5	1.8	42.1	19.9
S02-679CR	47.9	9	0.3	1.9	40	15.6	2.0	41.2	19.6
S02-691CR	42.7	16	0.4	1.3	34	14.7	1.8	41.7	20.4

135.9 Days After Planting

PRELIMINARY TEST IV ROUNDUP-READY, 2003

YIELD (bu/a)

Strain	Mean 12 Tests	Middletown DE	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
MPV 457RR	50.7	42.8	55.0	60.5	61.8	55.1	58.7	32.2
DKB3852	51.3	40.4	52.5	67.3	56.6	45.3	60.8	29.0
AG4201	52.9	48.3	51.4	68.4	61.4	56.2	64.3	29.7
AG4403	51.0	37.6	53.6	69.1	58.1	48.2	58.8	29.5
K1552RR	49.5	45.8	51.4	65.2	48.4	40.9	62.1	32.0
K1553RR	50.1	43.7	51.8	60.5	49.5	46.0	62.9	31.9
K1582RR	47.6	41.9	50.7	59.7	47.9	44.3	55.7	34.0
K1594RR	51.6	48.6	59.0	60.5	48.8	46.4	64.7	37.5
Md 99-0053-1 RR	47.3	42.5	46.0	62.6	44.9	48.1	56.5	28.8
Md 99-0312-2 RR	45.1	51.4	49.6	57.9	41.4	43.4	54.2	29.9
Md 99-0533-3 RR	48.0	50.4	48.5	58.3	42.9	44.8	62.2	32.5
S02-653CR	46.5	40.5	48.1	59.7	52.4	44.5	50.5	31.1
S02-660CR	47.0	41.9	52.5	64.4	60.0	36.2	49.5	29.3
S02-670CR	47.9	39.4	46.0	62.6	59.9	48.3	60.2	30.2
S02-679CR	47.9	37.0	48.1	62.3	59.3	42.8	53.0	30.4
S02-691CR	42.7	36.7	25.0	58.6	47.9	41.0	49.1	25.7
C.V. (%)		7.8	9.0	3.9	7.2	12.9	7.1	6.1
L.S.D. (5%)		7.1	9.4	5.2	8.0	12.6	8.7	3.9
Row Sp. (IN.)		15	30	30	30	24	30	30
Rows/Plot		5	4	4	4	4	4	4
Reps		2	2	2	2	2	2	2

*Test damaged due to flooding and Phytophthora rot.

PRELIMINARY TEST IV ROUNDUP-READY, 2003

YIELD (bu/a)

Strain	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Loam) MO	Plain City* OH	Jackson TN
MPV 457RR	66.4	47.7	41.3	52.3		34.2
DKB3852	77.5	41.1	47.0	57.3		40.7
AG4201	71.6	47.5	41.9	57.0		37.4
AG4403	76.7	37.3	40.0	58.1		44.8
K1552RR	75.4	42.8	38.7	52.0		38.7
K1553RR	76.9	49.8	38.5	49.2		40.4
K1582RR	66.6	43.8	41.6	42.1		42.4
K1594RR	67.7	47.5	38.6	58.8		41.5
Md 99-0053-1 RR	76.0	47.7	33.9	50.8		29.4
Md 99-0312-2 RR	55.0	45.0	34.2	52.7		26.8
Md 99-0533-3 RR	70.4	46.2	33.9	60.7		25.0
S02-653CR	63.5	43.9	44.0	48.0		31.3
S02-660CR	58.5	44.3	41.5	51.4		34.6
S02-670CR	58.7	37.1	40.3	50.6		41.7
S02-679CR	61.9	45.0	38.8	54.8		41.7
S02-691CR	68.2	37.0	34.1	50.5		39.1
C.V. (%)	6.5	14.1	8.2	7.1		13.0
L.S.D. (5%)	5.9	NS	5.6	6.6		10.2
Row Sp. (IN.)	16	24	30	30		30
Rows/Plot	6	4	4	4		2
Reps	2	2	2	2		2

PRELIMINARY TEST IV ROUNDUP-READY, 2003

YIELD RANK

Strain	Yield Rank	Middletown DE	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
MPV 457RR	5	7	2	9	1	2	9	4
DKB3852	3	10	4	3	7	8	6	14
AG4201	1	4	7	2	2	1	2	11
AG4403	4	14	3	1	6	4	8	12
K1552RR	7	5	7	4	11	15	5	5
K1553RR	6	6	6	9	9	7	3	6
K1582RR	11	9	9	12	13	11	11	2
K1594RR	2	3	1	9	10	6	1	1
Md 99-0053-1 RR	12	8	14	6	14	5	10	15
Md 99-0312-2 RR	15	1	10	16	16	12	12	10
Md 99-0533-3 RR	8	2	11	15	15	9	4	3
S02-653CR	14	10	12	12	8	10	14	7
S02-660CR	13	9	4	5	3	16	15	13
S02-670CR	9	13	14	6	4	3	7	9
S02-679CR	9	15	12	8	5	13	13	8
S02-691CR	16	16	16	14	12	14	16	16

PRELIMINARY TEST IV ROUNDUP-READY, 2003

YIELD RANK

Strain	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Loam) MO	Plain City OH	Jackson TN
MPV 457RR	11	2	6	8		12
DKB3852	1	13	1	4		6
AG4201	6	4	3	5		10
AG4403	3	14	8	3		1
K1552RR	5	12	10	9		9
K1553RR	2	1	12	14		7
K1582RR	10	11	4	16		2
K1594RR	9	4	11	2		5
Md 99-0053-1 RR	4	2	15	11		14
Md 99-0312-2 RR	16	7	13	7		15
Md 99-0533-3 RR	7	6	15	1		16
S02-653CR	12	10	2	15		13
S02-660CR	15	9	5	10		11
S02-670CR	14	15	7	12		3
S02-679CR	13	7	9	6		3
S02-691CR	8	16	14	13		8

PRELIMINARY TEST IV ROUNDUP-READY, 2003

MATURITY (date)

Strain	Mean 12 Tests	Middletown DE	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
MPV 457RR	10/8	10/14	10/12	10/2	9/26	10/12	10/10	10/19
DKB3852	-6.0	-3	-10	-8	3	-10	-6	-3
AG4201	-2.5	2	-4	-3	-4	-4	2	1
AG4403	-1.0	3	-1	0	4	1	-1	-2
K1552RR	-2.9	-1	-3	-3	0	-4	-2	-1
K1553RR	-2.2	-2	-4	-5	-1	-4	1	-1
K1582RR	-2.9	-2	-4	-5	2	-5	-4	-1
K1594RR	-2.5	-1	-4	-4	1	-5	-5	1
Md 99-0053-1 RR	-2.9	0	-4	-2	-4	-5	0	-1
Md 99-0312-2 RR	-1.9	1	-4	0	0	-3	1	2
Md 99-0533-3 RR	-1.5	3	-3	1	1	1	1	0
S02-653CR	1.2	4	-2	7	5	3	3	0
S02-660CR	1.4	5	0	7	8	3	2	2
S02-670CR	0.3	3	-2	1	6	2	0	-1
S02-679CR	0.3	6	-1	5	6	3	-8	2
S02-691CR	0.4	3	-1	1	8	2	3	2
Date Planted	5/25	6/17	5/28	5/28	4/29	5/24	5/14	6/16
Days to Mature	136	119	137	127	150	141	149	125

PRELIMINARY TEST IV ROUNDUP-READY, 2003

MATURITY (date)

Strain	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Loam) MO	Plain City OH	Jackson TN
MPV 457RR	10/6	10/22	10/9	9/27		9/29
DKB3852	-5	-8	-6	-4		-13
AG4201	0	-1	-3	0		-17
AG4403	0	-3	0	3		-17
K1552RR	-3	-6	-2	-1		-10
K1553RR	0	-6	-1	-1		-3
K1582RR	0	-4	0	0		-13
K1594RR	0	-3	-1	1		-10
Md 99-0053-1 RR	0	-3	-2	-1		-14
Md 99-0312-2 RR	frost	-3	0	-1		-13
Md 99-0533-3 RR	0	0	-3	0		-19
S02-653CR	frost	0	0	3		-10
S02-660CR	frost	0	1	4		-16
S02-670CR	frost	0	1	0		-7
S02-679CR	0	0	1	4		-14
S02-691CR	frost	-1	1	0		-14
Date Planted	5/28	7/1	5/28	5/23	4/30	4/29
Days to Mature	131	113	134	127		153

PRELIMINARY TEST IV ROUNDUP-READY, 2003

LODGING (score)

Strain	Mean 12 Tests	Middletown DE	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
MPV 457RR	1.8	1.0	1.0	1.5	1.5	1.3	2.5	1.0
DKB3852	1.3	1.0	1.0	1.0	1.5	1.0	2.0	1.0
AG4201	1.6	1.0	1.0	1.5	1.3	1.0	2.5	1.0
AG4403	1.4	1.0	1.0	1.0	1.5	1.0	2.0	1.0
K1552RR	1.6	2.0	1.0	1.0	1.3	1.0	2.5	1.0
K1553RR	1.6	1.0	1.0	1.0	1.3	1.0	3.0	1.0
K1582RR	1.5	1.0	1.0	1.0	1.3	1.0	2.5	1.0
K1594RR	1.8	2.0	1.0	1.0	1.3	1.0	3.0	1.0
Md 99-0053-1 RR	1.7	2.0	1.0	2.0	1.3	1.0	3.0	1.0
Md 99-0312-2 RR	2.2	1.0	1.5	3.0	1.8	1.0	3.5	1.0
Md 99-0533-3 RR	1.8	2.0	1.5	1.5	1.5	1.0	3.0	1.0
S02-653CR	2.5	2.0	2.0	3.5	2.5	1.3	3.5	1.0
S02-660CR	2.2	1.0	1.5	3.5	2.0	1.0	3.0	1.0
S02-670CR	1.7	1.0	1.0	2.0	1.3	1.0	2.5	1.0
S02-679CR	1.9	1.0	1.5	2.0	1.3	1.0	3.0	1.0
S02-691CR	1.3	1.0	1.0	1.0	1.3	1.0	2.0	1.0

PRELIMINARY TEST IV ROUNDUP-READY, 2003

LODGING (score)

Strain	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Loam) MO	Plain City OH	Jackson TN
MPV 457RR	3.0	2.8	1.0	2.0		3.5
DKB3852	1.8	1.8	1.0	1.0		2.0
AG4201	2.8	2.8	1.0	2.0		1.0
AG4403	2.0	2.0	1.0	1.5		2.0
K1552RR	2.3	2.5	1.0	1.0		2.5
K1553RR	2.5	3.0	1.0	1.0		2.5
K1582RR	2.3	2.3	1.0	1.0		2.0
K1594RR	2.5	3.3	1.0	2.0		2.5
Md 99-0053-1 RR	2.3	3.3	1.0	1.5		1.5
Md 99-0312-2 RR	4.0	3.0	1.0	2.0		3.5
Md 99-0533-3 RR	2.3	3.3	1.0	2.0		2.0
S02-653CR	3.8	3.5	1.0	2.5		3.0
S02-660CR	4.0	3.3	1.0	2.5		2.0
S02-670CR	4.0	2.3	1.0	1.5		2.0
S02-679CR	3.0	3.0	1.0	2.5		3.0
S02-691CR	1.8	1.5	1.0	1.0		2.5

PRELIMINARY TEST IV ROUNDUP-READY, 2003

PLANT HEIGHT (Inches)

Strain	Mean 12 Tests	Middletown DE	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
MPV 457RR	37	33	29	45	36	40	48	30
DKB3852	32	25	26	36	41	31	44	24
AG4201	33	26	28	45	36	39	48	23
AG4403	36	28	34	43	38	41	48	31
K1552RR	34	32	29	37	35	35	49	25
K1553RR	33	29	27	39	35	34	48	26
K1582RR	32	27	30	38	35	32	43	26
K1594RR	33	28	28	41	36	35	47	24
Md 99-0053-1 RR	39	37	34	48	42	37	51	31
Md 99-0312-2 RR	34	27	31	42	39	33	49	27
Md 99-0533-3 RR	35	31	26	44	37	39	48	28
S02-653CR	43	35	38	59	53	40	53	34
S02-660CR	42	35	36	53	50	41	52	34
S02-670CR	36	28	26	43	42	38	47	31
S02-679CR	40	34	34	45	42	40	53	34
S02-691CR	34	25	28	42	37	37	44	28

PRELIMINARY TEST IV ROUNDUP-READY, 2003

PLANT HEIGHT (Inches)

Strain	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Loam) MO	Plain City OH	Jackson TN
MPV 457RR	43	31	33	35		42
DKB3852	39	26	26	30		39
AG4201	40	24	26	33		34
AG4403	42	27	28	36		40
K1552RR	42	24	26	32		39
K1553RR	42	25	26	32		40
K1582RR	39	24	26	30		37
K1594RR	43	24	24	36		36
Md 99-0053-1 RR	49	27	34	37		42
Md 99-0312-2 RR	40	25	27	35		40
Md 99-0533-3 RR	43	24	28	34		36
S02-653CR	53	34	25	42		47
S02-660CR	53	33	36	40		46
S02-670CR	43	23	34	31		44
S02-679CR	46	30	34	39		48
S02-691CR	41	24	29	33		43

PRELIMINARY TEST IV ROUNDUP-READY, 2003

SEED SIZE (g/100)

Strain	Mean 11 Tests	Middletown DE	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
MPV 457RR	15.1		15.1	14.3	14.6	13.7	14.6	16.5
DKB3852	14.2		14.1	13.2	13.4	12.7	15.5	16.2
AG4201	16.1		15.2	15.8	15.0	14.8	16.3	17.9
AG4403	13.4		12.6	12.4	13.5	12.5	13.9	15.3
K1552RR	14.9		14.8	14.7	14.3	13.4	16.4	15.6
K1553RR	15.1		14.4	13.7	13.6	13.3	16.6	16.0
K1582RR	14.8		14.5	14.1	14.4	12.7	16.0	15.1
K1594RR	15.4		15.2	14.4	14.7	14.0	18.2	15.5
Md 99-0053-1 RR	14.7		13.7	14.5	13.3	13.3	15.2	15.3
Md 99-0312-2 RR	14.4		13.0	13.3	12.8	12.3	15.4	15.8
Md 99-0533-3 RR	12.4		11.0	11.8	11.4	10.7	14.4	13.2
S02-653CR	17.5		16.9	17.7	16.8	15.6	18.3	16.1
S02-660CR	17.6		17.3	18.1	18.2	14.8	16.6	17.9
S02-670CR	14.5		13.6	13.8	14.3	13.0	14.3	15.5
S02-679CR	15.6		14.6	15.4	16.4	14.2	16.1	15.5
S02-691CR	14.7		14.3	14.1	14.3	13.0	13.3	13.8

PRELIMINARY TEST IV ROUNDUP-READY, 2003

SEED SIZE (g/100)

Strain	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Loam) MO	Plain City OH	Jackson TN
MPV 457RR	16.4	14.3	18.0	12.1		16.0
DKB3852	15.4	11.9	15.0	12.4		16.0
AG4201	18.5	14.6	18.0	14.2		17.0
AG4403	15.6	12.6	14.0	10.8		14.0
K1552RR	16.7	14.4	16.0	12.6		15.5
K1553RR	16.6	15.0	17.0	12.6		17.0
K1582RR	16.9	14.7	18.0	12.2		14.5
K1594RR	16.7	15.1	17.0	12.2		16.0
Md 99-0053-1 RR	17.7	15.4	15.0	13.4		15.0
Md 99-0312-2 RR	15.1	14.6	17.0	12.5		16.5
Md 99-0533-3 RR	14.2	13.2	14.0	10.1		12.0
S02-653CR	20.8	18.0	22.0	12.6		17.5
S02-660CR	20.3	18.5	21.0	13.6		17.0
S02-670CR	15.8	14.6	18.0	11.9		14.5
S02-679CR	17.2	15.9	18.0	13.3		15.5
S02-691CR	16.5	13.8	18.0	12.2		18.5

PRELIMINARY TEST IV ROUNDUP-READY, 2003

SEED QUALITY (score)

Strain	Mean 11 Tests	Middletown DE	Belleville IL	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Manhattan KS
MPV 457RR	1.8		1.0	1.0	2.0	1.0	2.0	2.0
DKB3852	1.9		1.0	1.0	2.5	1.0	2.0	2.0
AG4201	1.9		1.0	1.0	2.0	1.0	3.0	2.0
AG4403	1.6		1.0	1.0	2.0	1.0	2.0	2.0
K1552RR	2.0		1.0	1.0	2.5	1.0	3.0	2.0
K1553RR	1.9		1.0	1.0	2.0	1.0	2.0	3.0
K1582RR	1.8		1.0	1.0	2.5	1.0	2.0	2.0
K1594RR	1.9		1.0	1.0	2.0	1.0	3.0	2.0
Md 99-0053-1 RR	1.9		1.0	1.0	2.0	1.0	3.0	3.0
Md 99-0312-2 RR	1.9		1.0	1.0	2.0	1.0	3.0	3.0
Md 99-0533-3 RR	1.7		1.0	1.0	2.5	1.0	2.0	2.0
S02-653CR	1.6		1.0	1.0	2.0	1.0	2.0	2.0
S02-660CR	1.7		1.0	1.0	2.5	1.0	2.0	2.0
S02-670CR	1.8		1.0	1.0	2.0	1.0	2.0	3.0
S02-679CR	2.0		1.0	1.0	2.0	1.0	3.0	3.0
S02-691CR	1.8		1.0	1.0	2.5	1.0	2.0	3.0

PRELIMINARY TEST IV ROUNDUP-READY, 2003

SEED QUALITY (score)

Strain	Lexington KY	Queenstown MD	Kingdom City MO	Portageville (Loam) MO	Plain City OH	Jackson TN
MPV 457RR	1.0	1.0	1.0	3.0		4.3
DKB3852	1.0	1.0	2.0	3.0		4.5
AG4201	1.0	1.0	2.0	3.0		4.0
AG4403	1.0	1.0	1.0	2.0		3.5
K1552RR	1.0	1.0	3.0	2.0		4.8
K1553RR	1.0	1.0	2.0	3.0		4.0
K1582RR	1.0	1.0	2.0	3.0		3.8
K1594RR	1.0	1.0	2.0	3.0		4.0
Md 99-0053-1 RR	1.0	1.0	1.0	3.0		4.0
Md 99-0312-2 RR	1.0	1.0	1.0	3.0		4.0
Md 99-0533-3 RR	1.0	1.0	1.0	3.0		3.0
S02-653CR	1.0	1.0	1.0	3.0		3.0
S02-660CR	1.0	1.0	1.0	3.0		3.0
S02-670CR	1.0	1.0	1.0	2.0		4.3
S02-679CR	1.0	1.0	2.0	3.0		3.5
S02-691CR	1.0	1.0	2.0	2.0		3.0

PRELIMINARY TEST IV ROUNDUP-READY, 2003

PROTEIN (%)

Strain	Mean 4 Tests	Urbana IL	Lafayette IN	Ashland KS	Portageville (Loam) MO
MPV 457RR	41.0	40.3	39.9	42.1	41.9
DKB3852	39.3	37.5	38.2	41.2	40.2
AG4201	40.9	40.3	40.4	42.5	40.4
AG4403	39.5	39.2	38.7	41.1	38.8
K1552RR	41.5	40.9	39.5	43.5	42.3
K1553RR	41.1	40.4	40.4	42.6	41.1
K1582RR	40.9	40.8	39.4	41.1	42.1
K1594RR	41.4	41.1	40.1	43.9	40.5
Md 99-0053-1 RR	43.8	43.8	42.3	44.4	44.6
Md 99-0312-2 RR	41.6	41.2	39.1	43.8	42.5
Md 99-0533-3 RR	42.6	43.9	41.8	42.9	41.8
S02-653CR	40.0	40.5	38.3	41.3	40.0
S02-660CR	40.3	39.7	38.6	41.9	41.0
S02-670CR	42.1	39.7	42.1	44.5	41.9
S02-679CR	41.2	41.5	40.0	42.2	40.9
S02-691CR	41.7	42.2	40.2	43.6	40.7

PRELIMINARY TEST IV ROUNDUP-READY, 2003

OIL (%)

StraIL	Mean 4 Tests	Urbana IL	Lafayette IN	Ashland KS	Portageville (Loam) MO
MPV 457RR	20.1	19.9	20.2	19.6	20.5
DKB3852	20.9	22.0	20.7	20.0	20.7
AG4201	19.9	19.8	19.8	19.1	20.9
AG4403	20.6	21.0	20.0	20.2	21.1
K1552RR	20.0	20.2	20.3	19.2	20.2
K1553RR	20.4	21.0	20.7	19.4	20.5
K1582RR	20.3	21.3	20.9	18.7	20.5
K1594RR	20.1	20.7	19.4	19.5	21.0
Md 99-0053-1 RR	19.6	19.5	19.9	18.5	20.3
Md 99-0312-2 RR	19.8	20.1	20.6	18.6	19.8
Md 99-0533-3 RR	19.4	19.5	19.3	18.8	20.2
S02-653CR	19.8	20.0	19.4	19.3	20.4
S02-660CR	19.9	20.3	19.5	18.8	20.8
S02-670CR	19.9	20.8	18.8	18.9	20.9
S02-679CR	19.6	19.9	19.6	19.0	19.8
S02-691CR	20.4	20.3	19.9	19.6	21.7