

South Dakota State University  
**Open PRAIRIE: Open Public Research Access Institutional  
Repository and Information Exchange**

---

SDSU Extension Circulars

SDSU Extension

---

12-2003

## Soybeans: 2003 Crop Performance Results

Cooperative Extension Service, South Dakota State University

Follow this and additional works at: [http://openprairie.sdstate.edu/extension\\_circ](http://openprairie.sdstate.edu/extension_circ)

---

### Recommended Citation

South Dakota State University, Cooperative Extension Service,, "Soybeans: 2003 Crop Performance Results" (2003). *SDSU Extension Circulars*. Paper 452.  
[http://openprairie.sdstate.edu/extension\\_circ/452](http://openprairie.sdstate.edu/extension_circ/452)

This Circular is brought to you for free and open access by the SDSU Extension at Open PRAIRIE: Open Public Research Access Institutional Repository and Information Exchange. It has been accepted for inclusion in SDSU Extension Circulars by an authorized administrator of Open PRAIRIE: Open Public Research Access Institutional Repository and Information Exchange. For more information, please contact [michael.biondo@sdstate.edu](mailto:michael.biondo@sdstate.edu).

**EC 775**  
Revised  
Annually

# Soybeans

## 2003 Crop Performance Results



South Dakota State University ¥ Cooperative Extension Service ¥ U.S. Department of Agriculture

This report is available on the World-Wide-Web at <http://plantsci.sdstate.edu/varietytrials/vartrial.html>

## Tables for the 2003 Soybean Performance Trials

A Traits of some public soybean varieties . . . . .	6
B Genes for race resistance to <i>Phytophthora</i> root rot. . . . .	6
C Conventional soybean entries . . . . .	7
D Roundup-Ready™ soybean entries. . . . .	13
E Mailing addresses of seed companies . . . . .	49

### Conventional trial results

1 South Shore, combined maturity groups 0 & I, NE Research Farm, seeded May 27 . . . . .	8
2 Brookings, combined maturity groups 0 & I, SDSU Agronomy Farm, seeded May 27 . . . . .	9
3 Brookings, maturity group II, SDSU Agronomy Farm, seeded May 27 . . . . .	10
4 Beresford, maturity group I, SE Research Farm, seeded May 21 . . . . .	11
5 Beresford, maturity group II, SE Research Farm, seeded May 21 . . . . .	12

### Roundup Ready™ trial results

6 Warner, maturity group 0, Allen and Inel Ryckman Farm, seeded May 23 . . . . .	20
7 Warner, maturity group I, Allen and Inel Ryckman Farm, seeded May 23 . . . . .	22
8 South Shore, maturity group 0, NE Research Farm, seeded May 27 . . . . .	24
9 South Shore, maturity group I, NE Research Farm, seeded May 27 . . . . .	26
10 Yale, maturity group 0, Kim Tschetter Farm, seeded May 22 . . . . .	28
11 Yale, maturity group I, Kim Tschetter Farm, seeded May 22 . . . . .	30
12 Yale, maturity group II, Kim Tschetter Farm, seeded May 22. . . . .	32
13 Brookings, maturity group 0, SDSU Agronomy Farm, seeded May 20. . . . .	33
14 Brookings, maturity group I, SDSU Agronomy Farm, seeded May 20 . . . . .	35
15 Brookings, maturity group II, SDSU Agronomy Farm, seeded May 20 . . . . .	38
16 Beresford, maturity group I, SE Research Farm, seeded May 21 . . . . .	40
17 Beresford, maturity group II, SE Research Farm, seeded May 21 . . . . .	41
18 Armour, maturity group I, Mark and Cletus Wiechmann Farm, seeded May 29 . . . . .	45
19 Armour, maturity group II, Mark and Cletus Wiechmann Farm, seeded May 29. . . . .	46

## EC 775—Precision Planted Soybeans 2003 Crop Performance Results is available electronically on the internet

<http://agbiopubs.sdstate.edu/articles/EC775-03.pdf>



Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the USDA. Larry Tidemann, Director of Extension, Associate Dean, College of Agriculture & Biological Sciences, South Dakota State University, Brookings. Educational programs and materials offered without regard for race, color, creed, religion, national origin, ancestry, citizenship, age, gender, sexual orientation, disability, or Vietnam Era Veteran status.

3000 copies printed by CES at a cost of ??? each. EC775. October 2003.

# Soybeans

## 2003 South Dakota Precision Planted Soybean Variety Performance Trials

Robert G. Hall, Extension agronomist, crops; manager, crop testing

Kevin K. Kirby, agricultural research manager, crop testing

**Table A** – Traits of some public soybean varieties.

**Table B** – Gene race resistance to *Phytophthora* root rot.

**Table C** – Conventional soybean entries with yield table numbers.

**Table D** – Roundup Ready™ entries with yield table numbers.

**Table E** – Seed Company (brand name) mailing addresses (after yield tables).

Successful soybean production in a given growing area is greatly affected by variety selection. This publication reports the agronomic performance of entries in the 2003 South Dakota performance trials for conventional (non-Roundup Ready™) and Roundup Ready™ soybean varieties.

Important factors in variety selection include yield, maturity, plant height, lodging resistance, and *Phytophthora* root rot resistance. In the case of public varieties, additional information including emergence, shattering, and iron chlorosis scores (Table A) are given.

### General

Soybean varieties are classified according to maturity groups that, in turn, are adapted to maturity zones. Maturity zones are based on day length and are therefore greatly affected by latitude. Consequently, maturity group 00 varieties are best suited to Canada and bordering regions of the U.S., while maturity groups 0, I, and II varieties are suited to South Dakota. Groups III through VIII are suited to Iowa, Nebraska, and southward into Texas.

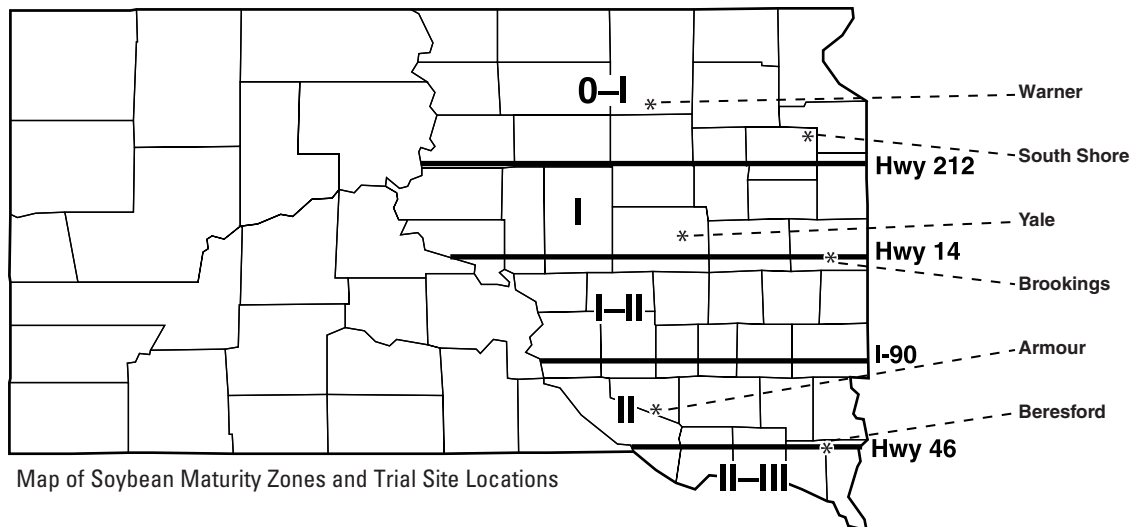
These soybean performance trial results are reported according to the prevalent maturity zones in South Dakota (see map). Conventional soybean variety trials were conducted at the following locations: Group 0 at South Shore and Brookings; group I at South Shore, Brookings, and Beresford; and group II at Brookings and Beresford.

Roundup Ready™ soybean variety trials were conducted at the following locations: Group 0 at Warner, South Shore, Yale, and Brookings; group I at Warner, South Shore, Yale, Brookings, Armour, and Beresford; and group II at Yale, Brookings, Armour, and Beresford.

Note there are transition areas where varieties of two maturity groups may perform similarly. In such cases other mitigating factors like rainfall and elevation may moderate the effect of

---

The efforts of G. Piechowski, Brookings; J. Smolik and A. Heuer, NE Research Farm; and R. Berg and staff, SE Research Farm, in obtaining the data are gratefully acknowledged. The comments regarding *Phytophthora* root rot race resistance and tolerance by Marty Draper, Extension plant pathologist, are appreciated. In addition, the assistance and cooperation of our farmer co-operators: Allen and Inel Ryckman, Warner; Mark and Cletus Wiechmann, Armour; and Kim Tschetter, Yale; are gratefully acknowledged.



Map of Soybean Maturity Zones and Trial Site Locations



latitude on maturity. In most cases, an earlier maturity group may be seeded in a zone suited to a later maturity group. Generally, this is only practical if seeding is delayed, when reseeded following hail, or if double cropping.

*Phytophthora* root rot (PRR) is an important soybean disease in South Dakota and is often controlled or managed with the use of resistant varieties. However, resistance to *Phytophthora* root rot is fungus-race specific. This means resistance to one race does not necessarily impart resistance to other races. Knowledge of the races of PRR fungus prevalent in your area is helpful. If a field is suspected of having PRR and the specific race(s) involved is unknown, then it is strongly suggested that you select varieties having genes that impart a wide range of race resistance (Table B). The specific race resistance to PRR for a given variety, as reported by the entering seed company, is indicated in Tables C and D.

An alternative method of control is the use of “tolerant varieties.” Tolerant varieties are not resistant to PRR in the seedling stage. Therefore, a *Phytophthora* specific fungicide must be applied to protect them. Presently, we have no information on the field tolerance of varieties adapted to this region. Therefore, field tolerance ratings are not given in this publication.

#### **Certified seed is the best source of seed and the only way to be assured of the genetic purity of the variety seeded.**

In addition, inoculation of seed with the appropriate nitrogen-fixing bacterium is a good fundamental practice. Inoculation must be practiced if soybeans are seeded in soils not previously cropped with soybeans. Even on soils previously cropped to soybeans there is no guarantee that beneficial bacteria will be present to naturally inoculate planted seed. Therefore, inoculation of seed at planting is an inexpensive means of increasing the percentage of plants that will fix nitrogen in the current crop year.

## **Yield**

Yields are obtained from the South Dakota Crop Performance Testing Program (CPT). Current-year yields are included for each entry tested at a given location. In addition, both 2-year and 3-year averages are included where varieties have been tested for 2 or more years. Yields, test averages, and Least Significant Difference (LSD) values are printed at the bottom of each yield column for each location and are rounded off to the nearest bushel.

The LSD value can be used to determine whether varieties differ in yield potential. For example, assume variety A yields 30 bushels, variety B yields 25 bushels, and the calculated LSD value is 4 bushels. The yield difference between varieties A and B is 5 bushels per acre. Since the yield difference of 5 bushels is greater than the test LSD value of 4 bushels, the

yield of variety A (30 bushels) is significantly higher than the yield of variety B (25 bushels).

If variety A yielded 28 bushels and variety B yielded 25 bushels, the yield difference would be 3 bushels per acre. In this case, both varieties would have a similar yield because their yield difference of 3 bushels is less than the test LSD value of 4 bushels per acre.

Use LSD values to identify the best-yielding varieties. The LSD value indicated at the bottom of each yield column is used to calculate the **minimum top-yield value**. For example, if the highest yield within a column is 50 bushels and the LSD value for that yield column is 5 bushels, then the minimum top-yield value equals 45 bushels (50–5 = 45). Within a yield column, varieties with yields equal to or higher than this minimum top-yield value are the best-yielding varieties.

Entries at each location are numerically sorted from highest to lowest yields according to whether they have been tested for 3, 2, or 1 years.

**Note:** Entries tested for 3 years may also have a top-yield group value in the 2-yr (2002-03) and 2003 yield columns. Likewise, entries tested for 2 years may also have a top-yield group value in the 2003 yield column.

**Note:** Participating companies pick the locations where their entries are tested. Entries are placed into either maturity group 0, I, or II test trials. The company selects the appropriate maturity group trial (0, I, or II) for its entries at each location. Generally, each company has one or more varieties that are used as maturity group checks for the varieties they market. However, there are no standard regional or national check varieties for maturity.

Consequently, a late group I variety from one company may be similar in maturity to an early group I variety from another company because each company uses different check varieties for maturity. As a result, **this testing program cannot guarantee that all entries are placed in the proper maturity trial.**

In some trials, borderline entries with maturity group ratings at or near the arbitrary breaks between late group 0 and early group I and between the late group I and early group II test trials may crossover at a given location. **When evaluating the performance of any entry in a given trial it is strongly suggested that you take note of the reported maturity of the entry.** Since all entries at a given location are seeded on the same day, you can compare the relative difference in maturity (days after maturity) between varieties. If the maturity rating for an entry in a group I test is similar to the rating for a variety in the group II test at the same test location, then you might conclude they are similar in maturity regardless of their company maturity rating.

Use caution when comparing the maturity rating of a given variety from one location to a rating obtained at other locations. Should early-season soil moisture and soil temperature values differ greatly, then ratings may differ between locations; therefore, maturity comparisons of a variety over many locations may be misleading.

### Protein and Oil Content

The protein and oil values are for the 2002 cropping season. At all locations, one replication of every variety in each trial was tested for protein and oil. The analysis was conducted by near-infrared-reflectance-spectroscopy (NIRS).

### General Test Procedures

General test procedures outlined below apply to both conventional non-Roundup Ready™ and Roundup Ready™ soybean entries with one exception: Weed control in the Roundup Ready™ test consisted of an application of Roundup Ultra (32 oz/A) when weeds were 4-5 inches tall followed by the same application again 21 days later. In non-Roundup Ready™ test trials, pre-emergence herbicides consisted of Lasso II at South Shore and Brookings and Dual at Beresford. In addition, a post-emergence tank mix of Synchrony/Pinnacle was applied at Beresford. Chemicals were applied according to label instructions.

**Test procedures:** A row spacing of 30 inches was used at all locations. Seeding rate was 165,000 seeds per acre for all varieties and locations. Test plots consisted of 4-row plots, 20 feet long, with three replications at all locations. Soybean inoculation was accomplished by applying Nitragin brand Soybean Soil Implant down the seed tube, according to label instructions and rates, during seeding. Seeding at all locations was accomplished using a Monosem precision row crop planter. The use of this planter this year resulted in very uniform seed spacing within the seed row. The center two rows of each plot were harvested for yield.

**Yield:** Plots were harvested at 15% seed moisture or less. Yields were calculated on a 13% moisture content basis and expressed in bushels per acre. Harvest was by a Massey Ferguson 8XP small plot combine.

### Reporting Variety Maturity

The maturities of varieties are reported as “days after seeding.” Entries are considered mature when 95% of the pods have turned brown. Each maturity value was obtained by

determining the average number of days from seeding to maturity for two replicates and expressing it as “days after seeding.” If the maturity value is missing, the entry did not reach maturity before the first killing frost at that location.

**Height:** Height was measured from the soil surface to the top node of the main stem.

**Lodging score:** Scores at maturity are based on average erectness of the main stem of plants within each variety: 1 = all plants erect, 2 = slight lodging, 3 = lodging at a 45 degree angle, 4 = severe lodging, and 5 = all plants flat.

**Phytophthora:** The gene resistance traits of entries to the many *Phytophthora* races were supplied by the participating seed companies (proprietary entries) or obtained from the USDA Uniform Soybean Tests, Northern States (public entries). A key to *Phytophthora* gene resistance and the race resistance of each gene is indicated in Table B.

Race resistances of entries are listed either in Table C (non-Roundup Ready™) or Table D (Roundup Ready™). Presently, races 1, 3, and 4 are most common in South Dakota.

### Soybean Traits of Public Entries

Evaluations of public soybean variety characteristics conducted by regional universities and USDA are reported in Table A. Evaluations and locations include emergence (Ames, Iowa), shattering (Manhattan, Kan.), and iron chlorosis (Rosemount, Minn., group 0; Waseca, Minn., groups I and II). A discussion of these evaluations follows:

**Emergence:** Scores are related to hypocotyl elongation and are measured following emergence after 12 days from a 4 1/2-inch depth in sand maintained at 77° F (a critical temperature for differentiating strains). Scores are 1 = 95% or more emerged, 2 = 91-94% emerged, 3 = 85-90% emerged, 4 = 76-84% emerged, and 5 = less than 76% emerged.

A score of 4 or 5 indicates the variety exhibits slow emergence. It does not mean the variety is inferior.

**Shattering:** This number indicates the percentage of pods that had opened and shattered 2 weeks after maturity. Scores are 1 = no shattering, 2 = 1-10% shattered, 3 = 11-25% shattered, 4 = 26-50% shattered, and 5 = over 50% shattered.

**Iron chlorosis:** Varieties are evaluated on high pH soils; scores range from 1 = little or no yellowing, 3 = moderate yellowing, to 5 = severe yellowing.

## PRECISION PLANTED SOYBEANS: PERFORMANCE TRIAL RESULTS

### Conventional non-Roundup Ready™ Soybeans

**Note:** Yields are reported as 3-year (2001-03), 2-year (2002-03), or 1-year (2003) averages.

#### SOUTH SHORE (NE Research Farm)

**Combined Groups 0 & I** (Table 1): Group 0 and I tests were combined because there were few entries this year. Yield averages for the **3-year, 2-year, and 1-year data were 34, 35, and 25 bushels per acre**, respectively. Varieties had to average at least 24 bushels to be in the top-yield group for 1 year. There were no significant differences among varieties tested for 3-year or 2-year periods. The top yield group for the 3-year, 2-year, and 1-year periods included 2, 4, and 7 entries, respectively.

#### BROOKINGS (SDSU Agronomy Farm)

**Combined Groups 0 & I** (Table 2): Group 0 and I tests were combined because there were few entries this year. Yield averages for the **3-year, 2-year, and 1-year data were 42, 45, and 36 bushels per acre**, respectively. Varieties had to average at least 36 bushels to be in the top-yield group for 1 year. There were no significant differences among the varieties tested for the 3-year or 2-year periods. The top yield group for the 3-year, 2-year, and 1-year periods included 2, 4, and 9 entries, respectively.

**Group II** (Table 3): Yield averages for the **3-year, 2-year, and 1-year data were 43, 46, and 34 bushels per acre**, respectively. Varieties had to average at least 42 bushels for the 3-year or 35 bushels per acre for the 1-year period to be in the top-yield group. There were no significant differences among the varieties tested for the 2-year period. The top-yield groups for the 3-year, 2-year, and 1-year periods included 3, 9, and 5 entries, respectively.

#### BERESFORD (SE Research Farm)

**Group I** (Table 4): Yield averages for the **3-year, 2-year, and 1-year data were 47, 45, and 49 bushels per acre**, respectively. There were no significant differences among the varieties tested for any of the 3-year, 2-year, or 1-year test periods. The top-yield groups for the 3-year, 2-year, and 1-year periods included 3, 3, and 6 entries, respectively.

**Group II** (Table 5): Yield averages for the **3-year, 2-year, and 1-year data were 49, 46, and 46 bushels per acre**, respectively. Varieties had to average at least 48 bushels for the 3-year period to be in the top-yield group. There were no significant differences among the varieties tested for the 2-year and 1-year test periods. The top-yield groups for the 3-year, 2-year, and 1-year periods included 5, 12, and 23 entries, respectively.

### Roundup Ready™ Soybeans

**Note:** Yields are reported as 3-year (2001-03), 2-year (2002-03), or 1-year (2003) averages.

#### WARNER, NO-TILL (Allen and Inel Ryckman Farm)

**Group 0** (Table 6): The yield average for this new test location **in 2003 was 47 bushels per acre**. Varieties had to average at least 48 bushels to be in the top-yield group. The top-yield group for 2003 included 29 entries.

**Group I** (Table 7): Yield average for this new test location **in 2003 was 38 bushels per acre**. Varieties had to average at least 39 bushels to be in the top-yield group. The top yield group for 2003 included 26 entries.

#### SOUTH SHORE (NE Research Farm)

**Group 0** (Table 8): Yield averages for the **3-year, 2-year, and 1-year data were 37, 35, and 21 bushels per acre**, respectively. Varieties had to average at least 20 bushels to be in the top-yield group for one year. There were no significant differences among the varieties tested for 3-year or 2-year periods. The top-yield group for the 3-year, 2-year, and 1-year periods included 10, 23, and 41 entries, respectively.

**Group I** (Table 9): Yield averages for the **3-year, 2-year, and 1-year data were 32, 32, and 19 bushels per acre**, respectively. There were no significant differences among the varieties tested for the 3-year, 2-year, and 1-year periods. The top-yield groups for the 3-year, 2-year, and 1-year periods included 8, 17, and 63 entries, respectively.

#### YALE, NO-TILL (Kim Tschetter Farm)

Trials were moved from Frankfort in 2003.

**Group 0** (Table 10): Yield averages for the **3-year, 2-year, and 1-year data were 34, 32, and 25 bushels per acre**, respectively. Varieties had to average at least 29 bushels for the 1-year period to be in the top-yield group. There were no significant differences among the varieties tested for the 3-year and 2-year periods. The top-yield group for the 3-year, 2-year, and 1-year periods included 9, 15, and 8 entries, respectively.

**Group I** (Table 11): Yield averages for the **3-year, 2-year, and 1-year data were 38, 31, and 22 bushels per acre**, respectively. Varieties had to average at least 25 bushels for the 1-year period to be in the top-yield group. There were no significant differences among the varieties tested for the 3-year and 2-year periods. The top-yield group for the 3-year, 2-year, and 1-year periods included 6, 27, and 19 entries, respectively.

**Group II** (Table 12): The yield average for this new maturity test in 2003 was **23 bushels per acre**. Varieties had to average at least 28 bushels to be in the top-yield group. The top yield group for 2003 included 3 entries.

#### **BROOKINGS (SDSU Agronomy Farm)**

**Group 0** (Table 13): Yield averages for the **3-year, 2-year, and 1-year data were 42, 43, and 41 bushels per acre**, respectively. Varieties had to average at least 41 bushels for the 1-year period to be in the top-yield group. There were no significant differences among the varieties tested for the 3-year and 2-year periods. The top-yield groups for the 3-year, 2-year, and 1-year periods included 7, 15, and 25 entries, respectively.

**Group I** (Table 14): Yield averages for the **3-year, 2-year, and 1-year data were 45, 46, and 43 bushels per acre**, respectively. Varieties had to average at least 48 bushels for the 3-year and 2-year or 44 bushels per acre for the 1-year period to be in the top-yield group. The top-yield groups for the 3-year, 2-year, and 1-year periods included 4, 15, and 35 entries, respectively.

**Group II** (Table 15): Yield averages for the **3-year, 2-year, and 1-year data were 49, 52, and 44 bushels per acre**, respectively. Varieties had to average at least 48 bushels for the 3-year, 52 bushels for the 2-year, or 44 bushels per acre for the 1-year period to be in the top-yield group. The top-yield groups for the 3-year, 2-year, and 1-year periods included 6, 20, and 34 entries, respectively.

#### **BERESFORD (SE Research Farm)**

**Group I** (Table 16): Yield averages for the **3-year, 2-year, and 1-year data were 54, 52, and 49 bushels per acre**, respectively.

Varieties had to average at least 51 bushels for both the 2-year and 1-year periods to be in the top-yield group. There were no significant differences among the varieties tested for the 3-year period. The top-yield groups for the 3-year, 2-year, and 1-year periods included 5, 11, and 11 entries, respectively.

**Group II** (Table 17): Yield averages for the **3-year, 2-year, and 1-year data were 50, 47, and 45 bushels per acre**, respectively. Varieties had to average at least 49 bushels for the 3-year, 47 bushels for the 2-year, and 51 bushels per acre for the 1-year period to be in the top-yield group. The top-yield groups for the 3-year, 2-year, and 1-year periods included 14, 26, and 14 entries, respectively.

#### **ARMOUR, NO-TILL (Mark and Cletus Wiechmann Farm)**

**Group I** (Table 18): Yield averages for the **3-year, 2-year, and 1-year data were 38, 32, and 20 bushels per acre**, respectively. Varieties had to average at least 24 bushels for the 1-year period to be in the top-yield group. There were no significant differences among the varieties tested for the 3-year and 2-year periods. The top-yield groups for the 3-year, 2-year, and 1-year periods included 2, 9, and 4 entries, respectively.

**Group II** (Table 19): Yield averages for the **3-year, 2-year, and 1-year data were 37, 34, and 26 bushels per acre**, respectively. Varieties had to average at least 35 bushels for the 3-year and 30 bushels per acre for the 1-year period to be in the top-yield group. There were no significant differences among the varieties tested for the 2-year period. The top-yield groups for the 3-year, 2-year, and 1-year periods included 10, 33, and 23 entries, respectively.



**Table A. Traits of some public soybean varieties.**

Variety	Emergence	Shattering	Iron Chlorosis
Hendricks	1	1	1.7
MN0901	3	2	3.7
Spink	1	1	2.4
Stride	1	1	3.7
Surge	1	1	2.7
Turner SCN	1	2	3.0
SDG 1081RR*	1	1	2.5
SDG 1091RR*	1	1	2.7

\* Indicates Roundup Ready variety.

Emergence: 1=> 95%, 2= 91-94%, 3= 85-90%, 4= 76-84%, and 5=< 75%.

Shattering: 1= none, 2= 1-10%, 3= 11-25%, 4= 26-50%, and 5> 50%.

Iron Chlorosis: 1= little or no yellowing, 3= moderate yellowing, and 5= severe yellowing.

See additional comments in evaluation methods.

**Table B. Genes for race resistance to *Phytophthora* root rot.**

Source	Gene	Race resistance
Williams	rps1	None
Mukden	Rps1 (Rps1a)	1-2, 10-11, 13, 15-18, 24
Sanga	Rps1b	1, 3-9, 13-15, 18, 21-22
Mack	Rps1c	1-3, 6-11, 13, 15, 17, 21, 23-24
Kingwa	Rps1k	1-11, 13-15, 17-18, 21-22, 24
CNS2	Rps2	1-5, 9-20
PI171442	Rps3	1-5, 8-9, 11, 13-14, 16, 18, 23, 25
PI86050	Rps4	1-4, 10, 12-16, 18-21, 25
PI91160	Rps5	1-5, 8-9, 11-14, 18, 20, 25
Altona	Rps6	1-4, 10, 12, 14-16, 18-21, 25
Harosoy	RpsH	12, 16
Archer	Rps1k, Rps6	1-22, 24-25
Keller	Rps1c, Rps3	1-10, 13-18, 22-25
Winchester	Rps1b, Rps3	1-9, 13-16, 18, 21-23, 25
	Unknown	Unknown
	Not reported	Not reported by seed source

**Table C. 2003 Conventional soybean entries by brand/variety, yield table number(s), and *Phytophthora* root rot race resistance.**

No.	Brand / Variety	Table Number (s)	Mat. Grp.	Phytophthora Race resistance
1	COYOTE/9123	3, 5	II	1-2, 10-11, 13, 15-18, 24
2	COYOTE/9525	5	II	Unknown
3	COYOTE/9723	3, 5	II	1-2, 10-11, 13, 15-18, 24
4	SANDS/SOI 234	3, 5	II	1-2, 10-11, 13, 15-18, 24
5	SANDS/SOI 288	5	II	No Resistance
6	SANDS/SOI 187	1, 2	I	1-2, 10-11, 13, 15-18, 24
7	SANDS/SOI 247N	5	II	No Resistance
8	SANDS/SOI 256	5	II	No Resistance
9	SANDS/EXP281	5	II	1-11, 13-15, 17-18, 21-22, 24
10	SANDS/SOI 284N	5	II	1-2, 10-11, 13, 15-18, 24
11	LATHAM/392	4	I	No Resistance
12	LATHAM/830	5	II	No Resistance
13	LATHAM/570	3	II	No Resistance
14	LATHAM/690	5	II	No Resistance
15	LATHAM/280	4	I	No Resistance
16	LATHAM/EXP-E1840T	2, 4	I	No Resistance
17	LATHAM/EXP-E2478T	5	II	No Resistance
18	GOLD COUNTRY/BISCAY	1	I	Not Reported
19	GOLD COUNTRY/2318	1, 2	I	Not Reported
20	PRAIRIE BR./PB202	3, 5	II	Not Reported
21	PRAIRIE BR./PB217	3	II	Not Reported
22	PRAIRIE BR./PB230	3, 5	II	1-2, 10-11, 13, 15-18, 24
23	PRAIRIE BR./PB256	5	II	1-2, 10-11, 13, 15-18, 24
24	PRAIRIE BR./PB278	5	II	Not Reported
25	PRAIRIE BR./PB178	1, 2	I	Not Reported
26	PRAIRIE BR./PB183	1, 2	I	Not Reported
27	GARST/1549	2	I	No Resistance
28	GARST/2918	5	II	No Resistance
29	JACOBSEN/J750	3	II	Not Reported
30	JACOBSEN/J772	5	II	Not Reported
31	JACOBSEN/J814	5	II	Not Reported
32	JACOBSEN/J826	5	II	Not Reported
33	THOMPSON/T-3222	3	II	Not Reported
34	THOMPSON/T-3182	2, 4	I	1-2, 10-11, 13, 15-18, 24
35	THOMPSON/T-3221	3	II	1-11, 13-15, 17-18, 21-22, 24
36	THOMPSON/T-3251	3	II	Not Reported
37	THOMPSON/T-3288	5	II	Not Reported
38	THOMPSON/T-3189	2, 4	I	Not Reported
39	THOMPSON/T-3263	5	II	Not Reported
40	PUBLIC/HENDRICKS	1, 2	I	1-2, 10-11, 13, 15-18, 24
41	PUBLIC/MN 0901	1, 2	I	1-2, 10-11, 13, 15-18, 24
42	PUBLIC/SPINK	1, 2	I	1-2, 10-11, 13, 15-18, 24
43	PUBLIC/STRIDE	1, 2, 4	I	1-2, 10-11, 13, 15-18, 24
44	PUBLIC/SURGE	1, 2	I	1-2, 10-11, 13, 15-18, 24
45	PUBLIC/TURNER-SCN	3, 5	II	1-3, 6-11, 13, 15, 17, 21, 23-24

**Table 1. South Shore, combined maturity group 0 & I soybean test results, 2001-2003. NE Research Farm, seeded May 27.**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	----- 2003 -----		Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+	Ht. in.	Ldg. Sc.~	
	----- Entries tested three years -----							
GOLD COUNTRY/BISCAY	37	36	26	35.6	18.7	28	1	119
PUBLIC/STRIDE	32	31	26	34.2	19.6	27	1	113
	----- Entries tested two years -----							
PRAIRIE BR./PB178	.	38	27	36.4	18.1	24	1	120
SANDS/SOI 187	.	37	24	33.8	19.1	30	1	120
	----- Entries tested one year -----							
PRAIRIE BR./PB183	.	.	28	.	.	26	1	117
GOLD COUNTRY/2318	.	.	27	.	.	23	1	120
PUBLIC/SURGE	.	.	24	.	.	25	1	113
PUBLIC/SPINK	.	.	23	.	.	29	1	109
PUBLIC/HENDRICKS	.	.	23	.	.	24	1	113
PUBLIC/MN 0901	.	.	21	.	.	29	1	107
Test average:	34	35	25	35.0	18.9	26	1	114
LSD(5%) value (\$):	NS	NS	4					
Min.top yield value (\$):	32	31	24					
Coef. of variation (#):	10	9	9					

\$/+ See yield / protein & oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

NS - Indicates differences between values within a column are not significant.

# Measure of experimental error: values of < 15% are desired.

**Table 2. Brookings, combined maturity group 0 & I soybean test results, 2001-2003. SDSU Agronomy Farm, seeded May 27.**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	2003
	3yr	2yr	2003	Prot. pct+	Oil pct+			Maturity: Days after seeding
	----- 2003 -----							
	Maturity:							
	Days							
	after							
	seeding							
	-----							
	Entries tested three years							
THOMPSON/T-3182	46	49	37	35.5	18.5	32	1	118
PUBLIC/STRIDE	38	39	33	37.7	17.7	29	1	115
	-----							
	Entries tested two years							
PRAIRIE BR./PB178	.	47	36	36.8	18.5	30	1	121
SANDS/SOI 187	.	46	36	35.8	18.7	35	1	120
	-----							
	Entries tested one year							
PRAIRIE BR./PB183	.	.	41	.	.	32	1	119
LATHAM/EXP-E1840T	.	.	40	.	.	31	1	121
GARST/1549	.	.	38	.	.	34	1	119
PUBLIC/SPINK	.	.	37	.	.	31	1	110
THOMPSON/T-3189	.	.	37	.	.	33	1	122
	-----							
GOLD COUNTRY/2318	.	.	36	.	.	30	1	119
PUBLIC/MN 0901	.	.	35	.	.	32	1	116
PUBLIC/HENDRICKS	.	.	35	.	.	29	1	117
PUBLIC/SURGE	.	.	33	.	.	31	1	116
	-----							
Test average:	42	45	36	36.5	18.4	31	1	117
LSD(5%) value (\$):	NS	NS	5					
Min.top yield value (\$):	38	39	36					
Coef. of variation (#):	15	9	8					

\$/+ See yield / protein & oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

NS - Indicates differences between values within a column are not significant.

# Measure of experimental error: values of < 15% are desired.

**Table 3. Brookings, maturity group II soybean test results, 2001-2003. SDSU Agronomy Farm, seeded May 27.**

Brand / Entry*	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 -----
	3yr	2yr	2003	Prot. pct+	Oil pct+			Maturity: Days after seeding
	----- 2003 -----							
	Entries tested three years							
PRAIRIE BR./PB202	45	49	36	36.3	17.7	34	1	128
PRAIRIE BR./PB230	43	46	35	36.2	17.8	30	1	128
PRAIRIE BR./PB217	43	46	33	36.4	17.9	32	1	130
PUBLIC/TURNER-SCN	40	43	33	36.3	18.1	36	1	126
	Entries tested two years							
LATHAM/570	.	46	36	36.7	17.6	28	1	129
COYOTE/9723	.	46	34	35.8	18.2	30	1	127
THOMPSON/T-3221	.	46	32	34.3	18.1	36	1	123
COYOTE/9123	.	46	33	35.0	18.9	35	1	125
THOMPSON/T-3251	.	44	30	35.9	18.2	30	1	130
	Entries tested one year							
JACOBSEN/J750	.	.	38	.	.	31	1	129
THOMPSON/T-3222	.	.	37	.	.	33	1	128
SANDS/SOI 234	.	.	34	.	.	31	1	127
Test average:	43	46	34	35.9	18.1	32	1	127
LSD(5%) value (\$):	3	NS	3					
Min.top yield value (\$):	42	43	35					
Coef. of variation (#):	7	6	6					

\* SCN = Soybean cyst nematode resistant.

\$/+ See yield / protein & oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

NS - Indicates differences between values within a column are not significant.

# Measure of experimental error: values of < 15% are desired.



**Table 4. Beresford, maturity group I soybean test results, 2001-2003. SE Research Farm, seeded May 21.**

Brand / Entry	Yield - bu/a (13% moisture)			2002 Prot.	2002 Oil	Ht.	Ldg.	Maturity: Days after seeding
	3yr	2yr	2003	pct+	pct+	in.	Sc.~	
	----- 2003 -----							
	----- Maturity: -----							
	----- Days -----							
	----- after -----							
	----- seeding -----							
	-----							
	Entries tested three years							
LATHAM/392	49	47	48	36.4	17.7	33	1	128
THOMPSON/T-3182	49	46	49	33.3	19.8	35	1	120
PUBLIC/STRIDE	43	41	48	33.9	19.5	31	1	114
	-----							
	Entries tested one year							
LATHAM/EXP-E1840T	.	.	54	.	.	33	1	122
LATHAM/280	.	.	51	.	.	32	1	123
THOMPSON/T-3189	.	.	50	.	.	34	1	121
	-----							
Test average:	47	45	49	34.5	19.0	32	1	119
LSD(5%) value (\$):	NS	NS	NS					
Min.top yield value (\$):	43	41	44					
Coef. of variation (#):	5	7	9					

\$/+ See yield / protein & oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

NS - Indicates differences between values within a column are not significant.

# Measure of experimental error: values of < 15% are desired.

**Table 5. Beresford, maturity group II soybean test results, 2001-2003. SE Research Farm, seeded May 21.**

Brand / Entry*	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
----- 2003 -----								
----- Maturity: -----								
----- Days -----								
----- after -----								
----- seeding -----								
-----								
Entries tested three years								
SANDS/SOI 288	52	47	44	35.7	17.4	32	1	126
PRAIRIE BR./PB278	52	49	50	36.4	17.6	31	1	128
PRAIRIE BR./PB202	50	46	47	36.3	18.5	35	1	125
PRAIRIE BR./PB230	49	45	48	36.3	18.3	33	1	123
PRAIRIE BR./PB256	49	46	46	35.7	18.7	33	1	125
COYOTE/9525	47	44	45	33.9	19.4	45	3	126
COYOTE/9123	47	46	44	34.1	19.7	38	1	122
PUBLIC/TURNER-SCN	44	42	42	35.5	19.5	37	3	123
-----								
Entries tested two years								
THOMPSON/T-3288	.	49	49	34.0	18.0	39	2	131
SANDS/SOI 256	.	46	48	34.9	18.9	28	1	124
COYOTE/9723	.	45	46	35.7	18.9	33	1	123
SANDS/SOI 247N	.	45	47	35.7	19.3	33	1	130
-----								
Entries tested one year								
JACOBSEN/J826	.	.	51	.	.	32	1	129
JACOBSEN/J814	.	.	49	.	.	34	1	125
GARST/2918	.	.	47	.	.	33	1	130
LATHAM/690	.	.	47	.	.	30	1	125
LATHAM/EXP-E2478T	.	.	46	.	.	34	1	129
SANDS/SOI 234	.	.	46	.	.	30	1	124
THOMPSON/T-3263	.	.	46	.	.	32	1	130
JACOBSEN/J772	.	.	46	.	.	36	1	124
SANDS/EXP281	.	.	46	.	.	39	2	130
LATHAM/830	.	.	46	.	.	31	1	130
SANDS/SOI 284N	.	.	41	.	.	37	1	131
Test average:	49	46	46	35.4	18.7	34	1	126
LSD(5%) value (\$):	4	NS	NS					
Min.top yield value (\$):	48	42	41					
Coef. of variation (#):	6	7	7					

\* SCN = Soybean cyst nematode resistant.

\$/+ See yield / protein & oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

NS - Indicates differences between values within a column are not significant.

# Measure of experimental error: values of < 15% are desired.

**Table D. 2003 Roundup-Ready™ soybean entries by brand/variety, yield table number(s), and *Phytophthora* root rot race resistance.**

No.	Brand / Variety	Table Number (s)	Mat. Grp.	Phytophthora Race resistance
1	ASGROW/AG0801	6, 8	0	1-11, 13-15, 17-18, 21-22, 24
2	ASGROW/AG2302	12, 15, 17, 19	II	1-11, 13-15, 17-18, 21-22, 24
3	ASGROW/AG1401	9	I	1-11, 13-15, 17-18, 21-22, 24
4	ASGROW/AG1701	9, 11, 14	I	1-3, 6-11, 13, 15, 17, 21, 23-24
5	ASGROW/AG2106	7, 9, 11, 14	I	1-11, 13-15, 17-18, 21-22, 24
6	ASGROW/AG2107	12, 15, 19	II	1-11, 13-15, 17-18, 21-22, 24
7	ASGROW/AG2403	12, 17, 19	II	1-11, 13-15, 17-18, 21-22, 24
8	ASGROW/AG2801	17, 19	II	1-2, 10-11, 13, 15-18, 24
9	COYOTE/9419RR	14	I	1-11, 13-15, 17-18, 21-22, 24
10	COYOTE/9626RR	17, 19	II	1-11, 13-15, 17-18, 21-22, 24
11	COYOTE/9524RR	15, 17, 19	II	1-11, 13-15, 17-18, 21-22, 24
12	COYOTE/9728RR	17	II	Unknown
13	COYOTE/EXP721RR	15, 19	II	1-11, 13-15, 17-18, 21-22, 24
14	COYOTE/EXP625RR	17, 19	II	Unknown
15	COYOTE/EXP527RR	17, 19	II	1-11, 13-15, 17-18, 21-22, 24
16	MUSTANG/M-091RR	6, 8, 10, 13	0	
17	MUSTANG/M-151RR	7, 9, 11, 14	I	1-3, 6-11, 13, 15, 17, 21, 23-24
18	MUSTANG/M-222RR	19	II	
19	MUSTANG/M-101RR	7, 9, 11, 14	I	1-3, 6-11, 13, 15, 17, 21, 23-24
20	MUSTANG/M-201RR	12, 15, 17	II	1-11, 13-15, 17-18, 21-22, 24
21	MUSTANG/M-083RR	6, 8, 10, 13	0	
22	MUSTANG/M-092RR	6, 8, 10, 13	0	
23	MUSTANG/M-153RR	7, 9, 11, 14	I	
24	MUSTANG/M-163RR	7, 9, 11, 14	I	
25	MUSTANG/M-203RR	12, 15, 17, 19	II	
26	MUSTANG/M-243RR	15, 17	II	1-11, 13-15, 17-18, 21-22, 24
27	MUSTANG/M-273RR	17, 19	II	
28	MUSTANG/M-053RR	6, 8	0	
29	MUSTANG/M-054RR	6, 8	0	1-11, 13-15, 17-18, 21-22, 24
30	MUSTANG/M-073RR	6, 8	0	
31	MUSTANG/M-094RR	6, 8, 10, 13	0	
32	MUSTANG/M-124RR	7, 9, 11, 14	I	
33	MUSTANG/M-174RR	7, 9, 11, 14	I	1-11, 13-15, 17-18, 21-22, 24
34	MUSTANG/M-194NRR	14	I	1-11, 13-15, 17-18, 21-22, 24
35	MUSTANG/M-224RR	12, 15, 17, 19	II	1-11, 13-15, 17-18, 21-22, 24
36	MUSTANG/M-234RR	12, 15, 17, 19	II	
37	MUSTANG/M-253RR	17, 19	II	
38	MUSTANG/M-284RR	17, 19	II	
39	DEKALB/DKB26-52	17	II	1-2, 10-11, 13, 15-18, 24
40	DEKALB/DKB10-51	6, 8, 10, 13	0	
41	DEKALB/DKB22-51	12, 15	II	
42	DEKALB/DKB25-51	17, 19	II	1-11, 13-15, 17-18, 21-22, 24
43	DEKALB/DKB07-52	6, 8, 13	0	
44	DEKALB/DKB19-52	7, 9, 11, 14, 16, 17	II	1-11, 13-15, 17-18, 21-22, 24
45	DEKALB/DKB28-52	17, 19	II	1-3, 6-11, 13, 15, 17, 21, 23-24
46	SANDS/SOI 1515RR	9, 14	I	
47	SANDS/SOI 226RR	17, 19	II	
48	SANDS/SOI 2143RR	15, 17, 19	II	1-11, 13-15, 17-18, 21-22, 24
49	SANDS/SOI 2541RR	17, 19	II	
50	SANDS/SOI 2642NRR	17, 19	II	1-2, 10-11, 13, 15-18, 24

**Table D. 2003 Roundup Ready™ soybean entries (continued)**

No.	Brand / Variety	Table Number (s)	Mat. Grp.	Phytophthora Race resistance
51	SANDS/SOI 2872RR	17, 19	II	
52	SANDS/SOI 0931RR	8, 13	0	1-2, 10-11, 13, 15-18, 24
53	SANDS/SOI 1050RR	8, 13	0	
54	SANDS/SOI 1441RR	9, 14	I	
55	SANDS/SOI 1730RR	9, 14	I	1-11, 13-15, 17-18, 21-22, 24
56	SANDS/EXP 1751RR	9, 14	I	1-11, 13-15, 17-18, 21-22, 24
57	SANDS/SOI 2141ARR	15, 17, 19	II	
58	SANDS/SOI 2353RR	17, 19	II	
59	SANDS/SOI 2501RR	17, 19	II	
60	SANDS/SOI 2749RR	17, 19	II	1-11, 13-15, 17-18, 21-22, 24
61	SANDS/EXP 2856NRR	17, 19	II	
62	SANDS/SOI 2858NRR	17, 19	II	1-3, 6-11, 13, 15, 17, 21, 23-24
63	HY-VIGOR/H-174RR	14	I	1-11, 13-15, 17-18, 21-22, 24
64	HY-VIGOR/H-223RR	17	II	1-11, 13-15, 17-18, 21-22, 24
65	HY-VIGOR/199XRR	14	I	Not Reported
66	HY-VIGOR/EXP-2R12	19	II	1-11, 13-15, 17-18, 21-22, 24
67	HY-VIGOR/2R44	17, 19	II	Not Reported
68	HY-VIGOR/2720NR	17	II	1-11, 13-15, 17-18, 21-22, 24
69	HY-VIGOR/EXP-2R55	17, 19	II	Not Reported
70	DESOY/191+RR	14, 16	I	Not Reported
71	DESOY/191RR	7, 9, 11, 14	I	Not Reported
72	DESOY/041RR	6, 8	0	Not Reported
73	DESOY/055RR	6, 8	0	Not Reported
74	DESOY/077RR	6, 8	0	Not Reported
75	DESOY/090RR	6, 8, 10, 13	0	Not Reported
76	DESOY/161RR/SCN	7, 9, 11, 14	I	Not Reported
77	DESOY/194RR	7, 9, 11, 14	I	Not Reported
78	DESOY/260RR	15, 17, 19	II	Not Reported
79	DESOY/270ARR	17, 19	II	Not Reported
80	KRUGER/099+RR	6, 8, 10, 13	0	Not Reported
81	KRUGER/250RR	15, 17, 19	II	Not Reported
82	KRUGER/222+RR	14, 16, 18	I	Not Reported
83	KRUGER/199+RR	16	I	1-11, 13-15, 17-18, 21-22, 24
84	KRUGER/269RR	15, 17, 19	II	Not Reported
85	KRUGER/091-1RR	8, 10, 13	0	Not Reported
86	KRUGER/121+RR	6, 8, 10, 13	0	Not Reported
87	KRUGER/223+RR	7, 9, 11, 14, 16, 11	I	Not Reported
88	KRUGER/262-2RR	15, 17, 19	II	1-11, 13-15, 17-18, 21-22, 24
89	KRUGER/060RR	6, 8	0	Not Reported
90	KRUGER/090RR	6, 10, 13	0	Not Reported
91	KRUGER/155+RR	7, 9, 11	I	Not Reported
92	KRUGER/166RR	7, 9, 11	I	Not Reported
93	KRUGER/191RR	16, 18	I	1-11, 13-15, 17-18, 21-22, 24
94	KRUGER/211RR	15, 17, 19	II	1-11, 13-15, 17-18, 21-22, 24
95	KRUGER/211+RR	7, 9, 11, 14, 16, 11	I	1-11, 13-15, 17-18, 21-22, 24
96	KRUGER/223RR	7, 9, 11, 14, 16, 11	I	1-11, 13-15, 17-18, 21-22, 24
97	KRUGER/202+RR	7, 9, 11, 14, 16, 11	I	1-11, 13-15, 17-18, 21-22, 24
98	KRUGER/268RR	15, 19	II	1-11, 13-15, 17-18, 21-22, 24
99	KRUGER/270RR	15, 17, 19	II	Not Reported
100	KRUGER/066RR	6, 8	0	1-3, 6-11, 13, 15, 17, 21, 23-24

**Table D. 2003 Roundup Ready™ soybean entries (continued)**

No.	Brand / Variety	Table Number(s)	Mat. Grp.	Phytophthora Race resistance
101	KRUGER/077RR	6,8	0	Not Reported
102	KRUGER/082+RR	6,8	0	Not Reported
103	KRUGER/091RR	6,8,10,13	0	Not Reported
104	KRUGER/100RR	6,8,10,13	0	Not Reported
105	KRUGER/101RR	6,8,10,13	0	1-11,13-15,17-18,21-22,24
106	KRUGER/121ARR	10,13	0	Not Reported
107	KRUGER/149RR	7,9,11	I	Not Reported
108	KRUGER/171RR	7,9,11,14	I	Not Reported
109	KRUGER/171ARR	7,9,11,14	I	Not Reported
110	KRUGER/222A	7,9,11,14,16,11		1-11,13-15,17-18,21-22,24
111	KRUGER/230RR	15,17,19	II	Not Reported
112	KRUGER/233+RR	15,19	II	1-11,13-15,17-18,21-22,24
113	KRUGER/251RR	15,17,19	II	Not Reported
114	KRUGER/252RR	15,17,19	II	1-2,10-11,13,15-18,24
115	KRUGER/289+RR	17	II	1-11,13-15,17-18,21-22,24
116	KRUGER/292RR	17	II	1-11,13-15,17-18,21-22,24
117	LATHAM/457RR	17,19	II	
118	LATHAM/418RR	16	I	1-11,13-15,17-18,21-22,24
119	LATHAM/497RR	17	II	1-11,13-15,17-18,21-22,24
120	LATHAM/647RR	17	II	1-11,13-15,17-18,21-22,24
121	LATHAM/L2136R	15,17,19	II	
122	LATHAM/678RR	15	II	
123	LATHAM/EXP-E0710R	13	0	
124	LATHAM/EXP-E0830R	13	0	1-11,13-15,17-18,21-22,24
125	LATHAM/EXP-E0835R	13	0	1-11,13-15,17-18,21-22,24
126	LATHAM/L0930R	13	0	
127	LATHAM/EXP-E1030R	14	I	
128	LATHAM/148RR	14	I	
129	LATHAM/EXP-E1750R	14,16	I	1-11,13-15,17-18,21-22,24
130	LATHAM/EXP-E1800R	14,16	I	
131	LATHAM/367RR	14	I	1-11,13-15,17-18,21-22,24
132	LATHAM/EXP-E2145R	17	II	1-11,13-15,17-18,21-22,24
133	LATHAM/EXP-E2200R	17	II	
134	LATHAM/EXP-E2300R	17	II	
135	LATHAM/EXP-E2336R	15	II	
136	LATHAM/EXP-E2350R	15	II	1-11,13-15,17-18,21-22,24
137	LATHAM/EXP-E2530R	17	II	
138	LATHAM/EXP-E2780R	17	II	
139	GOLD COUNTRY/6016RR	7,9	I	1-3,6-11,13,15,17,21,23-24
140	GOLD COUNTRY/6117RR	11	I	Not Reported
141	GOLD COUNTRY/3809RR	6	0	Not Reported
142	GOLD COUNTRY/2315RR	9	I	Not Reported
143	GOLD COUNTRY/1319RR	14	I	1-11,13-15,17-18,21-22,24
144	GOLD COUNTRY/6221RR	15	II	1-11,13-15,17-18,21-22,24
145	GOLD COUNTRY/2409RR	6,8	0	1-11,13-15,17-18,21-22,24
146	GOLD COUNTRY/2305RR	6	0	Not Reported
147	GOLD COUNTRY/2424RR	17	II	1-11,13-15,17-18,21-22,24
148	DAIRYLAND/DSR-130/RR	9	I	
149	DAIRYLAND/DSR-075/RR	8,10,13	0	1-11,13-15,17-18,21-22,24
150	DAIRYLAND/DSR-101/RR	14,16	I	



**Table D. 2003 Roundup Ready™ soybean entries (continued)**

No.	Brand / Variety	Table Number (s)	Mat. Grp.	Phytophthora Race resistance
151	DAIRYLAND/DSR-221/RR	17	II	1-11,13-15,17-18,21-22,24
152	DAIRYLAND/DSR-040/RR	6,8	0	
153	DAIRYLAND/DSR-050/RR	6,8,10	0	
154	DAIRYLAND/DSR-155/RR	11,14	I	1-11,13-15,17-18,21-22,24
155	DAIRYLAND/DSR-199/RR	14,16,18	I	1-11,13-15,17-18,21-22,24
156	DAIRYLAND/DSR-132/RR	9,11	I	1-11,13-15,17-18,21-22,24
157	DAIRYLAND/DSR-234/RR	15,17,19	II	1-11,13-15,17-18,21-22,24
158	DAIRYLAND/DSR-245/RR	17,19	II	1-11,13-15,17-18,21-22,24
159	TOP FARM/6202RR	9,11,18	I	
160	TOP FARM/6072RR	8,13	0	1-11,13-15,17-18,21-22,24
161	TOP FARM/6102RR	8,13	0	1-2,10-11,13,15-18,24
162	TOP FARM/EXP34043BRR	9,14	I	
163	TOP FARM/EXP321044RR	12,15	II	
164	TOP FARM/EXP35260RR	9,11,14,18	I	
165	KALTENBERG/KB161RR	14	I	1-3,6-11,13,15,17,21,23-24
166	KALTENBERG/KB261RR	17,19	II	1-11,13-15,17-18,21-22,24
167	KALTENBERG/KB172RR	14	I	1-11,13-15,17-18,21-22,24
168	KALTENBERG/KB153RR	14	I	Not Reported
169	KALTENBERG/KB241RR	19	II	Not Reported
170	KALTENBERG/KB275RR	17,19	II	Not Reported
171	KALTENBERG/KB244RR	17	II	Not Reported
172	STINE/S1918-4	14,16	I	
173	STINE/S0846-4	8	0	
174	STINE/S0943-4	7,9	I	1-11,13-15,17-18,21-22,24
175	STINE/S1100-4	7,9,11	I	
176	STINE/S2116-4	12,15,17	II	1-11,13-15,17-18,21-22,24
177	STINE/S2400-4	15,17,19	II	
178	STINE/S2640-4	17,19	II	
179	PRAIRIE BR./PB-0920RR	6,8,10	0	Not Reported
180	PRAIRIE BR./PB-1030RR	6,8,10	0	1-3,6-11,13,15,17,21,23-24
181	PRAIRIE BR./PB-1620RR	7,9,11,14	I	1-3,6-11,13,15,17,21,23-24
182	PRAIRIE BR./PB-2397RR	12,15,17,19	II	Not Reported
183	PRAIRIE BR./PB-1241RR	7,9,11,14	I	Not Reported
184	PRAIRIE BR./PB-2141RR	12,15,19	II	1-11,13-15,17-18,21-22,24
185	PRAIRIE BR./PB-2421RR	12,15,17,19	II	1-11,13-15,17-18,21-22,24
186	PRAIRIE BR./PB-2821RR	17,19	II	Not Reported
187	PRAIRIE BR./PB-0732RR	6,8	0	Not Reported
188	PRAIRIE BR./PB-0812RR	6,8,10,13	0	Not Reported
189	PRAIRIE BR./PB-1452RR	7,9,11,14	I	Not Reported
190	PRAIRIE BR./PB-1552RR	7,9,11,14	I	Not Reported
191	PRAIRIE BR./PB-1921RR	7,9,11,14	I	1-11,13-15,17-18,21-22,24
192	PRAIRIE BR./PB-2112RR	7,9,11,14,16,11		Not Reported
193	PRAIRIE BR./PB-2352RR	12,15,17,19	II	1-11,13-15,17-18,21-22,24
194	PRAIRIE BR./PB-2552RR	15,17,19	II	Not Reported
195	PRAIRIE BR./PB-2832RR	17	II	Not Reported
196	PRAIRIE BR./PB-0623RR	6,8	0	1-3,6-11,13,15,17,21,23-24
197	PRAIRIE BR./PB-0923RR	6,8,10,13	0	1-11,13-15,17-18,21-22,24
198	PRAIRIE BR./EXP1003RR	6,8,10	0	1-3,6-11,13,15,17,21,23-24
199	PRAIRIE BR./PB-1043RR	6,8,10,13	0	Not Reported
200	PRAIRIE BR./PB-1063RR	6,8,10,13	0	Not Reported

**Table D. 2003 Roundup Ready™ entries (continued)**

No.	Brand / Variety	Table Number(s)	Mat. Grp.	Phytophthora Race resistance
201	PRAIRIE BR./PB-1943RR	7, 9, 11, 14, 16, 11	I	1-11, 13-15, 17-18, 21-22, 24
202	PRAIRIE BR./PB-2243RR	12, 15, 17, 19	II	1-11, 13-15, 17-18, 21-22, 24
203	PRAIRIE BR./PB-2343RR	12, 15, 17, 19	II	Not Reported
204	PRAIRIE BR./PB-2443RR	15	II	1-11, 13-15, 17-18, 21-22, 24
205	PRAIRIE BR./PB-2643RR	17, 19	II	1-11, 13-15, 17-18, 21-22, 24
206	PRAIRIE BR./PB-2732RR	17, 19	II	1-11, 13-15, 17-18, 21-22, 24
207	GARST/0901RR	8, 13	0	
208	GARST/XR18P04	9, 14	I	1-3, 6-11, 13, 15, 17, 21, 23-24
209	GARST/2834RR	17	II	1-11, 13-15, 17-18, 21-22, 24
210	GARST/2903RR	17	II	
211	MIDWEST SEED/GR1710	9	I	1-3, 6-11, 13, 15, 17, 21, 23-24
212	MIDWEST SEED/GR2037	12, 15, 17, 19	II	
213	MIDWEST SEED/GR2627	17, 19	II	
214	DYNA-GRO/DG 3223RR	12, 15, 17, 19	II	
215	DYNA-GRO/DG 33M14RR	7, 9, 11, 14	I	
216	DYNA-GRO/DG 38J12RR	7, 9, 11, 14	I	1-3, 6-11, 13, 15, 17, 21, 23-24
217	DYNA-GRO/DG 3200RR	12, 15, 17, 19	II	
218	DYNA-GRO/DG 38K28RR	17, 19	II	
219	DYNA-GRO/DG 31C15RR	7, 9, 11, 14	I	
220	DYNA-GRO/DG 3190RR	7, 9, 11, 14	I	1-11, 13-15, 17-18, 21-22, 24
221	DYNA-GRO/DG 3218RR	12, 15, 17, 19	II	
222	DYNA-GRO/DG 3232RR	12, 15, 17, 19	II	1-11, 13-15, 17-18, 21-22, 24
223	DYNA-GRO/DG 3263RR	17, 19	II	1-11, 13-15, 17-18, 21-22, 24
224	ZILLER/BT 7150R	9, 14	I	1-3, 6-11, 13, 15, 17, 21, 23-24
225	ZILLER/BT 7106R	9	I	1-3, 6-11, 13, 15, 17, 21, 23-24
226	ZILLER/BT 7193R	14, 16	I	
227	ZILLER/BT 7084R	8, 13	0	
228	ZILLER/BT 7143R	9, 14	I	
229	ZILLER/BT 7213R	17	II	
230	JACOBSEN/EXP J730NR	15	II	1-11, 13-15, 17-18, 21-22, 24
231	JACOBSEN/EXP J733R	15, 17	II	1-11, 13-15, 17-18, 21-22, 24
232	JACOBSEN/J725R	17, 19	II	Not Reported
233	JACOBSEN/J828R	17, 19	II	Not Reported
234	JACOBSEN/EXP J839R	17, 19	II	Not Reported
235	WENSMAN/W 2093RR	6, 8	0	Not Reported
236	WENSMAN/W 2145RR	11, 14	I	Not Reported
237	WENSMAN/W 2162RR	11, 14	I	1-2, 10-11, 13, 15-18, 24
238	WENSMAN/W 2186RR	11, 14	I	1-11, 13-15, 17-18, 21-22, 24
239	WENSMAN/W 2062RR	6, 8	0	Not Reported
240	WENSMAN/W 2085RR	6, 8	0	1-11, 13-15, 17-18, 21-22, 24
241	WENSMAN/W 2103RR	6, 8, 10, 13	0	1-11, 13-15, 17-18, 21-22, 24
242	WENSMAN/W 2211RR	12, 15	II	1-11, 13-15, 17-18, 21-22, 24
243	DEN BESTEN/DB0900RR	6, 8, 10, 13	0	
244	DEN BESTEN/DB2601RR	17, 19	II	1-11, 13-15, 17-18, 21-22, 24
245	DEN BESTEN/DB1902RR	7, 9, 11, 14, 16, 11	I	1-11, 13-15, 17-18, 21-22, 24
246	DEN BESTEN/DB1303RR	7, 9, 11, 14	I	
247	DEN BESTEN/DB2303RR	12, 15, 17, 19	II	
248	DEN BESTEN/DB2503RR	17, 19	II	
249	DEN BESTEN/DB2803RR	17, 19	II	
250	THOMPSON/T-7205RR	11, 14, 16	I	1-11, 13-15, 17-18, 21-22, 24

**Table D. 2003 Roundup Ready™ entries (continued)**

No.	Brand / Variety	Table Number (s)	Mat. Grp.	Phytophthora Race resistance
251	THOMPSON/T-7217RR	11, 14	I	1-11, 13-15, 17-18, 21-22, 24
252	THOMPSON/T-7225RR	15	II	
253	THOMPSON/T-7214RR	16	I	
254	THOMPSON/T-7254RR	19	II	1-11, 13-15, 17-18, 21-22, 24
255	THOMPSON/T-7262RR	19	II	1-11, 13-15, 17-18, 21-22, 24
256	THOMPSON/T-7252RR	15, 17, 19	II	
257	THOMPSON/T-7284RR	17, 19	II	
258	THOMPSON/EXP7213RR	11, 14, 16	I	Unknown
259	THOMPSON/EXP7221RR	15, 17	II	Unknown
260	THOMPSON/EXP7259RR	15, 17	II	
261	THOMPSON/T-7293RR	17, 19	II	1-11, 13-15, 17-18, 21-22, 24
262	THOMPSON/T-7243RR	15, 17, 19	II	1-2, 10-11, 13, 15-18, 24
263	THOMPSON/EXP7239RR	15, 17, 19	II	
264	NORTHSTAR/NS 0923RR	6, 8, 10, 13	0	Unknown
265	NORTHSTAR/NS 0954RR	6, 8, 10, 13	0	Unknown
266	NORTHSTAR/NS 1624RR	7, 9, 11, 14	I	1-3, 6-11, 13, 15, 17, 21, 23-24
267	NORTHSTAR/NS 1407RR	7, 9, 11, 14	I	Unknown
268	NORTHSTAR/NS 1207RR	7, 9, 11, 14	I	1-11, 13-15, 17-18, 21-22, 24
269	RENK/RS199RR	14	I	1-11, 13-15, 17-18, 21-22, 24
270	RENK/RS212RR	15, 17	II	1-11, 13-15, 17-18, 21-22, 24
271	RENK/RS172RR	14	I	1-11, 13-15, 17-18, 21-22, 24
272	RENK/RS223RR	15, 17, 19	II	1-11, 13-15, 17-18, 21-22, 24
273	RENK/RS253RR	17, 19	II	Not Reported
274	CROWS/C1630R	14	I	1-3, 6-11, 13, 15, 17, 21, 23-24
275	CROWS/C2130R	15, 19	II	
276	CROWS/C2506R	17, 19	II	
277	BIO GENE/BG091RR	6, 8, 10, 13	0	1-11, 13-15, 17-18, 21-22, 24
278	BIO GENE/BG1700RR	16, 18	I	1-11, 13-15, 17-18, 21-22, 24
279	MERSCHMAN/MARS VIIRR	16	I	
280	MERSCHMAN/VENUS RR	16	I	
281	MERSCHMAN/APACHE VIIIRR	17	II	
282	MERSCHMAN/SIOUX IIRR	17	II	1-11, 13-15, 17-18, 21-22, 24
283	MERSCHMAN/MUNSEE IVRR	17	II	1-11, 13-15, 17-18, 21-22, 24
284	MERSCHMAN/CHICKASAW 8RR	17	II	1-3, 6-11, 13, 15, 17, 21, 23-24
285	MERSCHMAN/MOHAWK RR	17	II	
286	EXCEL/8120RR	7, 9	I	Not Reported
287	EXCEL/8193RR	14	I	1-11, 13-15, 17-18, 21-22, 24
288	EXCEL/8200RR	15	II	1-11, 13-15, 17-18, 21-22, 24
289	EXCEL/8046RR	6	0	Not Reported
290	EXCEL/8055RR	6	0	Not Reported
291	EXCEL/8131RR	7	I	1-3, 6-11, 13, 15, 17, 21, 23-24
292	EXCEL/8173RR	11, 14	I	Not Reported
293	EXCEL/8226RR	17	II	Not Reported
294	EXCEL/8227RR	15	II	1-11, 13-15, 17-18, 21-22, 24
295	EXCEL/8236NRR	17	II	1-11, 13-15, 17-18, 21-22, 24
296	EXCEL/8237RR	17	II	Not Reported
297	EXCEL/8258RR	17	II	1-11, 13-15, 17-18, 21-22, 24
298	SABRE/145RR	9	I	1-11, 13-15, 17-18, 21-22, 24
299	SABRE/195RR	9, 14	I	1-11, 13-15, 17-18, 21-22, 24
300	SABRE/215RR	15	II	1-11, 13-15, 17-18, 21-22, 24

**Table D. 2003 Roundup Ready™ entries (continued)**

No.	Brand / Variety	Table Number(s)	Mat. Grp.	Phytophthora Race resistance
301	SABRE/238RR	17	II	1-11,13-15,17-18,21-22,24
302	SABRE/282RR	17	II	
303	PETERSON/PFS 0410RR	7,9,11,14	I	1-11,13-15,17-18,21-22,24
304	PETERSON/PFS 0408RR	6,8,10,13	0	
305	PETERSON/EXP 0307RR	6,8,10,13	0	
306	SODAK GENETICS/SD1081RR	6,8,10,13	0	1-2,10-11,13,15-18,24
307	SODAK GENETICS/SD1091RR	6,8,10,13	0	1-2,10-11,13,15-18,24

**Table 6. Warner, maturity group 0 Roundup Ready™ soybean test results, 2001-2003. Allen and Inel Ryckman Farm, seeded May 23.**

Brand / Entry	Yield - bu/a (13% moisture)			2002 Prot. pct+	2002 Oil pct+	Ht. in.	----- 2003 -----	
	3yr	2yr	2003				Ldg. Sc.~	Maturity: Days after seeding
	----- Entries tested one year -----							
DESOY/077RR	.	.	55	.	.	29	1	114
KRUGER/099+RR	.	.	52	.	.	30	1	116
KRUGER/066RR	.	.	50	.	.	28	1	116
ASGROW/AG0801	.	.	50	.	.	38	2	112
KRUGER/060RR	.	.	50	.	.	35	1	114
GOLD COUNTRY/2409RR	.	.	50	.	.	30	1	117
WENSMAN/W 2093RR	.	.	50	.	.	33	1	115
MUSTANG/M-094RR	.	.	50	.	.	32	1	118
GOLD COUNTRY/2305RR	.	.	50	.	.	37	1	113
NORTHSTAR/NS 0923RR	.	.	50	.	.	30	1	115
PRAIRIE BR./PB-0923RR	.	.	50	.	.	32	1	117
EXCEL/8055RR	.	.	50	.	.	31	1	116
DAIRYLAND/DSR-050/RR	.	.	50	.	.	33	1	114
WENSMAN/W 2062RR	.	.	49	.	.	34	1	115
PRAIRIE BR./PB-0623RR	.	.	49	.	.	27	1	115
KRUGER/091RR	.	.	49	.	.	33	1	117
DEKALB/DKB10-51	.	.	49	.	.	31	1	115
MUSTANG/M-053RR	.	.	49	.	.	34	1	115
PRAIRIE BR./PB-0732RR	.	.	49	.	.	28	1	116
PETERSON/EXP 0307RR	.	.	48	.	.	34	2	115
GOLD COUNTRY/3809RR	.	.	48	.	.	33	1	115
DEN BESTEN/DB0900RR	.	.	48	.	.	28	1	115
KRUGER/101RR	.	.	48	.	.	32	1	116
MUSTANG/M-091RR	.	.	48	.	.	29	1	116
DESOY/055RR	.	.	48	.	.	33	1	115
DEKALB/DKB07-52	.	.	48	.	.	33	1	115
KRUGER/090RR	.	.	48	.	.	33	1	115
PRAIRIE BR./PB-1063RR	.	.	48	.	.	32	1	116
PRAIRIE BR./PB-1030RR	.	.	47	.	.	31	1	118
PRAIRIE BR./PB-0920RR	.	.	47	.	.	30	1	114
SODAK GENETICS/SD1091R	.	.	47	.	.	35	1	118
MUSTANG/M-083RR	.	.	47	.	.	33	1	117
DAIRYLAND/DSR-040/RR	.	.	47	.	.	32	1	115
KRUGER/077RR	.	.	46	.	.	32	1	114



**Table 6. Warner, maturity group 0 Roundup Ready™ test results (continued).**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 ----- Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
	----- Entries tested one year -----							
SODAK GENETICS/SD1081R	.	.	46	.	.	32	1	116
WENSMAN/W 2103RR	.	.	46	.	.	32	2	116
DESOY/041RR	.	.	46	.	.	30	1	108
PRAIRIE BR./EXP1003RR	.	.	46	.	.	29	1	118
PRAIRIE BR./PB-1043RR	.	.	46	.	.	31	1	117
MUSTANG/M-073RR	.	.	45	.	.	27	1	116
PETERSON/PFS 0408RR	.	.	45	.	.	24	1	116
WENSMAN/W 2085RR	.	.	45	.	.	27	1	118
MUSTANG/M-092RR	.	.	44	.	.	31	1	115
NORTHSTAR/NS 0954RR	.	.	44	.	.	29	1	120
KRUGER/100RR	.	.	44	.	.	33	1	114
PRAIRIE BR./PB-0812RR	.	.	44	.	.	32	1	115
KRUGER/082+RR	.	.	43	.	.	26	1	114
KRUGER/121+RR	.	.	43	.	.	32	1	116
DESOY/090RR	.	.	43	.	.	33	1	115
EXCEL/8046RR	.	.	42	.	.	32	2	115
MUSTANG/M-054RR	.	.	39	.	.	24	1	117
BIO GENE/BG091RR	.	.	39	.	.	32	1	113
Test average:	.	.	47	.	.	32	1	115
LSD(5%) value (\$):	.	.	7					
Min.top yield value (\$):	.	.	48					
Coef. of variation (#):	.	.	9					

\$/+ See yield / protein and oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

# Measure of experimental error: values of < 15% are desired.

**Table 7. Warner, maturity group I Roundup Ready™ soybean test results, 2001-2003. Allen and Inel Ryckman Farm, seeded May 23.**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 ----- Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
	Entries tested one year							
PRAIRIE BR./PB-1620RR	.	.	47	.	.	40	1	119
PETERSON/PFS 0410RR	.	.	46	.	.	30	1	117
KRUGER/223+RR	.	.	45	.	.	29	1	119
KRUGER/211+RR	.	.	44	.	.	32	1	120
MUSTANG/M-153RR	.	.	43	.	.	29	1	117
DYNA-GRO/DG 31C15RR	.	.	43	.	.	28	1	118
PRAIRIE BR./PB-1552RR	.	.	43	.	.	30	1	118
DEN BESTEN/DB1902RR	.	.	43	.	.	29	1	119
DEKALB/DKB19-52	.	.	43	.	.	32	1	120
KRUGER/223RR	.	.	43	.	.	29	1	121
PRAIRIE BR./PB-1452RR	.	.	42	.	.	32	1	116
DYNA-GRO/DG 38J12RR	.	.	42	.	.	38	1	117
DESOY/161RR/SCN	.	.	42	.	.	27	1	118
KRUGER/202+RR	.	.	41	.	.	29	1	120
STINE/S0943-4	.	.	40	.	.	30	1	118
MUSTANG/M-101RR	.	.	40	.	.	32	1	114
MUSTANG/M-151RR	.	.	40	.	.	39	1	116
KRUGER/166RR	.	.	40	.	.	29	1	116
EXCEL/8120RR	.	.	40	.	.	36	1	117
DYNA-GRO/DG 33M14RR	.	.	40	.	.	32	1	116
STINE/S1100-4	.	.	39	.	.	33	1	116
NORTHSTAR/NS 1407RR	.	.	39	.	.	28	1	117
PRAIRIE BR./PB-1241RR	.	.	39	.	.	31	1	114
NORTHSTAR/NS 1207RR	.	.	39	.	.	30	1	115
PRAIRIE BR./PB-2112RR	.	.	39	.	.	31	1	121
PRAIRIE BR./PB-1943RR	.	.	38	.	.	30	1	120
ASGROW/AG2106	.	.	38	.	.	31	1	121
MUSTANG/M-163RR	.	.	38	.	.	34	1	119
MUSTANG/M-124RR	.	.	37	.	.	32	1	116
KRUGER/149RR	.	.	37	.	.	34	1	117
EXCEL/8131RR	.	.	36	.	.	35	1	115
GOLD COUNTRY/6016RR	.	.	36	.	.	40	1	116
KRUGER/155+RR	.	.	36	.	.	33	1	116
DEN BESTEN/DB1303RR	.	.	36	.	.	33	1	116

**Table 7. Warner, maturity group I Roundup Ready™ test results (continued).**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	----- 2003 -----	
	3yr	2yr	2003	Prot. pct+	Oil pct+		Ldg. Sc.~	Maturity: Days after seeding
	----- Entries tested one year -----							
DESOY/191RR	.	.	36	.	.	33	1	122
DESOY/194RR	.	.	35	.	.	34	1	120
KRUGER/171ARR	.	.	34	.	.	30	1	119
KRUGER/171RR	.	.	33	.	.	29	1	118
MUSTANG/M-174RR	.	.	32	.	.	31	1	119
DYNA-GRO/DG 3190RR	.	.	32	.	.	31	1	122
NORTHSTAR/NS 1624RR	.	.	31	.	.	34	2	119
KRUGER/222A	.	.	31	.	.	35	1	121
PRAIRIE BR./PB-1921RR	.	.	30	.	.	32	1	121
Test average:	.	.	38	.	.	33	1	118
LSD(5%) value (\$):	.	.	8					
Min.top yield value (\$):	.	.	39					
Coef. of variation (#):	.	.	12					

\$/+ See yield / protein and oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

# Measure of experimental error: values of < 15% are desired.

**Table 8. South Shore, maturity group 0 Roundup Ready™ soybean test results, 2001-2003. NE Research Farm, seeded May 27.**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
----- 2003 -----								
Entries tested three years								
DEKALB/DKB10-51	39	39	22	34.5	18.5	24	1	115
NORTHSTAR/NS 0954RR	39	38	23	35.9	18.6	23	1	114
KRUGER/091-1RR	37	36	22	35.1	18.4	24	1	113
KRUGER/099+RR	37	36	23	36.2	18.8	24	1	112
ASGROW/AG0801	37	34	19	33.7	18.7	25	1	111
MUSTANG/M-091RR	36	36	22	35.6	18.5	23	1	112
PRAIRIE BR./PB-0920RR	36	35	23	35.7	18.7	24	1	114
PRAIRIE BR./PB-1030RR	36	36	20	34.9	18.5	27	1	116
DEN BESTEN/DB0900RR	35	34	21	35.5	19.2	24	1	112
SODAK GENETICS/SD1091R	34	34	19	36.6	18.9	25	1	114
Entries tested two years								
MUSTANG/M-083RR	.	37	23	36.6	19.1	25	1	116
PRAIRIE BR./PB-0732RR	.	37	20	35.1	18.9	19	1	113
DAIRYLAND/DSR-040/RR	.	36	21	34.2	18.9	26	1	111
KRUGER/060RR	.	36	23	35.1	18.6	24	1	110
MUSTANG/M-092RR	.	36	22	36.0	18.8	24	1	114
STINE/S0846-4	.	35	21	36.0	19.2	25	1	113
WENSMAN/W 2093RR	.	35	19	35.8	18.7	23	1	114
PRAIRIE BR./PB-0812RR	.	34	22	35.6	19.1	27	1	113
BIO GENE/BG091RR	.	34	19	35.4	18.6	25	1	112
TOP FARM/6102RR	.	34	21	35.2	19.4	22	1	114
SODAK GENETICS/SD1081R	.	33	21	33.9	19.9	25	1	113
DAIRYLAND/DSR-050/RR	.	32	21	33.5	19.2	21	1	113
TOP FARM/6072RR	.	30	18	34.6	18.9	22	1	113
Entries tested one year								
GOLD COUNTRY/2409RR	.	.	24	.	.	24	1	116
MUSTANG/M-053RR	.	.	24	.	.	27	1	112
NORTHSTAR/NS 0923RR	.	.	24	.	.	25	1	114
DESOY/077RR	.	.	23	.	.	22	1	114
KRUGER/121+RR	.	.	23	.	.	23	1	116
MUSTANG/M-094RR	.	.	22	.	.	23	1	115
SANDS/SOI 0931RR	.	.	22	.	.	22	1	113
KRUGER/066RR	.	.	22	.	.	22	1	111
WENSMAN/W 2085RR	.	.	22	.	.	21	1	118
KRUGER/100RR	.	.	21	.	.	24	1	116

**Table 8. South Shore, maturity group 0 Roundup Ready™ test results (continued).**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 ----- Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
	----- Entries tested one year -----							
SANDS/SOI 1050RR	.	.	21	.	.	24	1	116
PRAIRIE BR./EXP1003RR	.	.	21	.	.	24	1	116
DEKALB/DKB07-52	.	.	21	.	.	25	1	110
PRAIRIE BR./PB-0623RR	.	.	21	.	.	20	1	112
WENSMAN/W 2062RR	.	.	21	.	.	26	1	111
PRAIRIE BR./PB-0923RR	.	.	21	.	.	22	1	115
KRUGER/101RR	.	.	21	.	.	23	1	116
ZILLER/BT 7084R	.	.	21	.	.	22	1	114
GARST/0901RR	.	.	20	.	.	24	1	116
DAIRYLAND/DSR-075/RR	.	.	20	.	.	23	1	113
DESOY/090RR	.	.	20	.	.	23	1	115
WENSMAN/W 2103RR	.	.	20	.	.	23	1	116
PRAIRIE BR./PB-1063RR	.	.	20	.	.	23	1	115
DESOY/055RR	.	.	19	.	.	23	1	110
PRAIRIE BR./PB-1043RR	.	.	19	.	.	22	1	116
KRUGER/091RR	.	.	19	.	.	23	1	113
DESOY/041RR	.	.	19	.	.	22	1	111
KRUGER/077RR	.	.	18	.	.	23	1	111
PETERSON/EXP 0307RR	.	.	18	.	.	23	1	111
MUSTANG/M-073RR	.	.	18	.	.	20	1	114
MUSTANG/M-054RR	.	.	17	.	.	20	1	114
KRUGER/082+RR	.	.	17	.	.	20	1	114
PETERSON/PFS 0408RR	.	.	17	.	.	18	1	113
Test average:	37	35	21	35.2	18.9	24	1	113
LSD(5%) value (\$):	NS	NS	4					
Min.top yield value (\$):	34	30	20					
Coef. of variation (#):	10	11	13					

\$/+ See yield / protein and oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

NS - Indicates differences between values within a column are not significant.

# Measure of experimental error: values of < 15% are desired.

**Table 9. South Shore, maturity group I Roundup Ready™ soybean test results, 2001-2003. NE Research Farm, seeded May 27.**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 ----- Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
-----								
Entries tested three years								
DEN BESTEN/DB1902RR	35	36	21	33.6	19.7	22	1	123
DAIRYLAND/DSR-130/RR	34	32	18	35.0	18.9	26	1	115
ZILLER/BT 7150R	34	33	21	33.3	19.3	29	1	117
PRAIRIE BR./PB-1620RR	34	35	22	33.5	18.8	29	1	116
MUSTANG/M-151RR	33	35	20	33.1	19.2	27	1	116
GOLD COUNTRY/6016RR	33	33	21	33.5	19.1	27	1	118
PRAIRIE BR./PB-1241RR	31	29	20	36.3	19.2	21	1	115
MUSTANG/M-101RR	30	30	18	35.4	19.0	24	1	115
-----								
Entries tested two years								
KRUGER/211+RR	.	37	21	34.3	18.9	23	1	122
KRUGER/166RR	.	35	18	35.2	18.6	22	1	120
ZILLER/BT 7106R	.	34	21	34.6	18.8	22	1	115
KRUGER/202+RR	.	34	19	33.9	19.2	19	1	122
ASGROW/AG1401	.	34	22	32.8	19.8	26	1	115
KRUGER/155+RR	.	34	19	36.3	19.2	25	1	116
EXCEL/8120RR	.	33	16	35.1	19.0	27	1	115
MUSTANG/M-153RR	.	33	19	35.2	18.8	23	1	119
PRAIRIE BR./PB-1921RR	.	33	19	35.0	18.9	23	1	124
NORTHSTAR/NS 1407RR	.	32	19	36.4	18.6	25	1	116
DESOY/191RR	.	32	18	34.1	19.5	22	1	124
DYNA-GRO/DG 38J12RR	.	32	18	37.0	17.5	26	1	116
PRAIRIE BR./PB-1552RR	.	32	18	35.6	18.6	23	1	120
ASGROW/AG1701	.	32	16	34.4	19.3	22	1	119
DEN BESTEN/DB1303RR	.	30	18	36.7	18.8	23	1	116
PRAIRIE BR./PB-1452RR	.	30	18	36.7	18.8	25	1	117
MUSTANG/M-163RR	.	30	19	36.0	18.1	22	1	120
GOLD COUNTRY/2315RR	.	30	18	34.5	18.9	23	1	120
DYNA-GRO/DG 33M14RR	.	29	19	37.0	19.1	23	1	116
-----								
Entries tested one year								
MIDWEST SEED/GR1710	.	.	22	.	.	26	1	117
PRAIRIE BR./PB-1943RR	.	.	21	.	.	21	1	122
SANDS/SOI 1515RR	.	.	21	.	.	26	1	118
MUSTANG/M-174RR	.	.	21	.	.	23	1	121
STINE/S1100-4	.	.	21	.	.	22	1	116
SABRE/145RR	.	.	21	.	.	24	1	118
KRUGER/223+RR	.	.	21	.	.	21	1	123
NORTHSTAR/NS 1207RR	.	.	21	.	.	26	1	115

**Table 9. South Shore, maturity group I Roundup Ready™ test results (continued).**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
	----- 2003 -----							
	Entries tested one year							
KRUGER/149RR	.	.	21	.	.	26	1	116
KRUGER/171RR	.	.	20	.	.	21	1	121
DEKALB/DKB19-52	.	.	20	.	.	24	1	121
STINE/S0943-4	.	.	20	.	.	24	1	116
TOP FARM/EXP34043BRR	.	.	20	.	.	24	1	116
SANDS/EXP 1751RR	.	.	19	.	.	22	1	121
DAIRYLAND/DSR-132/RR	.	.	19	.	.	26	1	119
MUSTANG/M-124RR	.	.	19	.	.	22	1	116
KRUGER/223RR	.	.	19	.	.	21	1	124
SANDS/SOI 1441RR	.	.	19	.	.	24	1	116
GARST/XR18P04	.	.	19	.	.	26	1	121
PETERSON/PFS 0410RR	.	.	19	.	.	22	1	114
ZILLER/BT 7143R	.	.	19	.	.	23	1	115
DESOY/161RR/SCN	.	.	19	.	.	22	1	121
SABRE/195RR	.	.	19	.	.	23	1	123
SANDS/SOI 1730RR	.	.	19	.	.	21	1	121
TOP FARM/EXP35260RR	.	.	19	.	.	24	1	123
KRUGER/171ARR	.	.	19	.	.	22	1	121
ASGROW/AG2106	.	.	19	.	.	22	1	124
NORTHSTAR/NS 1624RR	.	.	18	.	.	25	1	124
DYNA-GRO/DG 3190RR	.	.	18	.	.	23	1	125
KRUGER/222A	.	.	18	.	.	25	1	125
PRAIRIE BR./PB-2112RR	.	.	18	.	.	23	1	123
DESOY/194RR	.	.	18	.	.	23	1	124
TOP FARM/6202RR	.	.	17	.	.	22	1	121
DYNA-GRO/DG 31C15RR	.	.	16	.	.	22	1	120
Test average:	32	32	19	35.1	19.0	24	1	119
LSD(5%) value (\$):	NS	NS	NS					
Min.top yield value (\$):	28	28	16					
Coef. of variation (#):	8	10	11					

\$/+ See yield / protein and oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

NS - Indicates differences between values within a column are not significant.

# Measure of experimental error: values of < 15% are desired.



**Table 10. Yale, maturity group 0 Roundup Ready™ soybean test results, 2001-2003. Kim Tschetter Farm, seeded May 22.**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 ----- Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
-----								
Entries tested three years								
DEKALB/DKB10-51	37	34	24	33.2	19.9	24	1	113
KRUGER/121+RR	35	31	19	34.0	20.3	22	1	113
SODAK GENETICS/SD1091R	35	31	20	35.1	19.8	25	1	115
PRAIRIE BR./PB-1030RR	34	30	29	33.3	19.8	24	1	112
DEN BESTEN/DB0900RR	34	32	24	33.5	20.4	25	1	113
PRAIRIE BR./PB-0920RR	34	31	24	34.2	19.5	25	1	115
MUSTANG/M-091RR	33	31	26	34.3	20.3	26	1	115
KRUGER/099+RR	33	29	21	33.8	19.9	23	1	115
NORTHSTAR/NS 0954RR	33	30	21	35.1	19.1	23	1	115
-----								
Entries tested two years								
KRUGER/090RR	.	36	31	34.9	19.7	30	1	117
DAIRYLAND/DSR-050/RR	.	35	35	32.9	19.9	28	1	114
SODAK GENETICS/SD1081R	.	33	27	33.3	20.7	28	1	114
PRAIRIE BR./PB-0812RR	.	32	23	34.9	20.2	27	1	114
MUSTANG/M-092RR	.	32	29	34.7	20.3	24	1	116
BIO GENE/BG091RR	.	26	21	33.6	19.8	26	1	113
-----								
Entries tested one year								
PRAIRIE BR./PB-1063RR	.	.	32	.	.	27	1	117
PRAIRIE BR./EXP1003RR	.	.	29	.	.	28	1	118
MUSTANG/M-094RR	.	.	29	.	.	23	1	113
KRUGER/091RR	.	.	29	.	.	28	1	113
DESOY/090RR	.	.	28	.	.	26	1	116
PETERSON/EXP 0307RR	.	.	28	.	.	26	1	113
NORTHSTAR/NS 0923RR	.	.	24	.	.	25	1	115
PETERSON/PFS 0408RR	.	.	24	.	.	22	1	115
MUSTANG/M-083RR	.	.	23	.	.	26	1	114
WENSMAN/W 2103RR	.	.	22	.	.	23	1	114
PRAIRIE BR./PB-1043RR	.	.	22	.	.	27	1	114
DAIRYLAND/DSR-075/RR	.	.	22	.	.	23	1	111
KRUGER/091-1RR	.	.	21	.	.	26	1	111
KRUGER/121ARR	.	.	20	.	.	23	1	116

**Table 10. Yale, maturity group 0 Roundup Ready™ test results (continued).**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 -----
	3yr	2yr	2003	Prot. pct+	Oil pct+			Maturity: Days after seeding
	----- Entries tested one year -----							
KRUGER/101RR	.	.	20	.	.	25	1	114
PRAIRIE BR./PB-0923RR	.	.	20	.	.	23	1	113
KRUGER/100RR	.	.	20	.	.	26	1	115
Test average:	34	32	25	34.1	20.0	26	1	114
LSD(5%) value (\$):	NS	NS	6					
Min.top yield value (\$):	33	26	29					
Coef. of variation (#):	9	10	16					

\$/+ See yield / protein and oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

NS - Indicates differences between values within a column are not significant.

# Measure of experimental error: values of < 15% are desired.

**Table 11. Yale, maturity group I Roundup Ready™ soybean test results, 2001-2003. Kim Tschetter Farm, seeded May 22.**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
	----- 2003 -----							
	Maturity:							
	Days							
	after							
	seeding							
	-----							
	Entries tested three years							
DEN BESTEN/DB1902RR	42	37	28	32.0	20.2	23	1	122
KRUGER/223+RR	39	33	23	32.1	20.6	24	1	120
PRAIRIE BR./PB-1620RR	38	34	25	31.6	19.9	28	1	117
MUSTANG/M-151RR	37	32	27	31.9	20.2	32	1	118
PRAIRIE BR./PB-1241RR	36	30	23	34.1	20.5	25	1	114
GOLD COUNTRY/6117RR	36	29	20	32.7	21.1	32	1	121
	-----							
	Entries tested two years							
PRAIRIE BR./PB-2112RR	.	36	25	33.1	19.2	27	1	122
MUSTANG/M-101RR	.	35	29	32.6	20.3	26	1	116
NORTHSTAR/NS 1407RR	.	33	25	33.9	20.1	26	1	116
MUSTANG/M-163RR	.	32	25	33.6	19.4	27	1	120
KRUGER/155+RR	.	32	27	34.0	20.3	29	1	118
KRUGER/202+RR	.	32	23	31.7	20.5	21	1	121
DYNA-GRO/DG 33M14RR	.	31	21	33.7	20.5	24	1	116
WENSMAN/W 2162RR	.	31	22	34.0	19.3	25	1	120
DEN BESTEN/DB1303RR	.	31	19	33.4	20.5	26	1	115
WENSMAN/W 2145RR	.	30	23	34.0	20.3	27	1	117
DYNA-GRO/DG 38J12RR	.	30	25	34.1	19.3	27	1	116
KRUGER/211+RR	.	30	21	32.7	20.0	25	1	122
DESOY/191RR	.	29	16	32.2	20.0	27	1	123
PRAIRIE BR./PB-1552RR	.	29	16	32.1	20.5	22	1	117
PRAIRIE BR./PB-1452RR	.	29	21	34.0	20.6	24	1	117
MUSTANG/M-153RR	.	29	18	33.1	20.1	23	1	116
DAIRYLAND/DSR-155/RR	.	29	18	33.9	20.3	22	1	117
ASGROW/AG1701	.	28	21	33.3	20.3	24	1	117
KRUGER/166RR	.	27	18	32.2	20.4	23	1	118
TOP FARM/6202RR	.	27	16	33.6	20.8	27	1	119
PRAIRIE BR./PB-1921RR	.	26	15	32.2	20.1	26	1	124
	-----							
	Entries tested one year							
KRUGER/223RR	.	.	30	.	.	24	1	119
DAIRYLAND/DSR-132/RR	.	.	29	.	.	27	1	117
MUSTANG/M-124RR	.	.	28	.	.	28	1	117
PRAIRIE BR./PB-1943RR	.	.	28	.	.	25	1	120
WENSMAN/W 2186RR	.	.	27	.	.	27	1	122

**Table 11. Yale, maturity group I Roundup Ready™ test results (continued).**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 -----
	3yr	2yr	2003	Prot. pct+	Oil pct+			Maturity: Days after seeding
	----- Entries tested one year -----							
DEKALB/DKB19-52	.	.	26	.	.	25	1	118
THOMPSON/T-7205RR	.	.	25	.	.	24	1	121
DESOY/161RR/SCN	.	.	25	.	.	22	1	119
NORTHSTAR/NS 1207RR	.	.	22	.	.	25	1	115
THOMPSON/EXP7213RR	.	.	22	.	.	31	1	121
PETERSON/PFS 0410RR	.	.	22	.	.	25	1	115
KRUGER/149RR	.	.	22	.	.	32	1	116
DESOY/194RR	.	.	21	.	.	26	1	120
STINE/S1100-4	.	.	21	.	.	27	1	117
TOP FARM/EXP35260RR	.	.	20	.	.	25	1	122
ASGROW/AG2106	.	.	19	.	.	25	1	119
KRUGER/171RR	.	.	19	.	.	23	1	119
THOMPSON/T-7217RR	.	.	18	.	.	30	1	124
EXCEL/8173RR	.	.	18	.	.	28	1	122
KRUGER/222A	.	.	17	.	.	28	1	121
MUSTANG/M-174RR	.	.	16	.	.	22	1	118
DYNA-GRO/DG 31C15RR	.	.	15	.	.	25	1	116
DYNA-GRO/DG 3190RR	.	.	15	.	.	25	1	124
KRUGER/171ARR	.	.	15	.	.	25	1	118
NORTHSTAR/NS 1624RR	.	.	14	.	.	28	1	118
Test average:	38	31	22	33.1	20.2	27	1	118
LSD(5%) value (\$):	NS	NS	5					
Min.top yield value (\$):	36	26	25					
Coef. of variation (#):	8	11	15					

\$/+ See yield / protein and oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

NS - Indicates differences between values within a column are not significant.

# Measure of experimental error: values of < 15% are desired.

**Table 12. Yale, maturity group II Roundup Ready™ soybean test results, 2001-2003. Kim Tschetter Farm, seeded May 22.**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 ----- Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
	----- Entries tested one year -----							
PRAIRIE BR./PB-2243RR	.	.	32	.	.	24	1	123
MUSTANG/M-203RR	.	.	30	.	.	26	1	120
DEKALB/DKB22-51	.	.	30	.	.	26	1	122
MIDWEST SEED/GR2037	.	.	27	.	.	24	1	118
MUSTANG/M-201RR	.	.	26	.	.	23	1	120
PRAIRIE BR./PB-2343RR	.	.	25	.	.	26	1	124
TOP FARM/EXP321044RR	.	.	24	.	.	25	1	121
DYNA-GRO/DG 3200RR	.	.	24	.	.	23	1	121
STINE/S2116-4	.	.	24	.	.	24	1	120
PRAIRIE BR./PB-2141RR	.	.	22	.	.	25	1	121
MUSTANG/M-234RR	.	.	22	.	.	26	1	121
PRAIRIE BR./PB-2397RR	.	.	21	.	.	29	1	124
PRAIRIE BR./PB-2352RR	.	.	21	.	.	27	1	121
DYNA-GRO/DG 3218RR	.	.	21	.	.	29	1	122
ASGROW/AG2403	.	.	21	.	.	25	1	124
PRAIRIE BR./PB-2421RR	.	.	21	.	.	26	1	123
DEN BESTEN/DB2303RR	.	.	21	.	.	27	1	126
WENSMAN/W 2211RR	.	.	21	.	.	26	1	120
DYNA-GRO/DG 3223RR	.	.	20	.	.	27	1	125
ASGROW/AG2302	.	.	20	.	.	26	1	119
ASGROW/AG2107	.	.	20	.	.	27	1	119
DYNA-GRO/DG 3232RR	.	.	18	.	.	29	1	124
MUSTANG/M-224RR	.	.	15	.	.	24	1	125
Test average:	.	.	23	.	.	27	1	121
LSD(5%) value (\$):	.	.	4					
Min.top yield value (\$):	.	.	28					
Coef. of variation (#):	.	.	11					

\$/+ See yield / protein and oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

# Measure of experimental error: values of < 15% are desired..

**Table 13. Brookings, maturity group 0 Roundup Ready™ soybean test results, 2001-2003. SDSU Agronomy Farm, seeded May 20.**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 ----- Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
-----								
Entries tested three years								
KRUGER/121+RR	46	47	42	37.1	18.5	33	1	116
NORTHSTAR/NS 0954RR	44	45	44	37.0	18.1	28	1	117
DEKALB/DKB10-51	43	44	44	37.8	17.7	33	1	119
KRUGER/099+RR	42	43	41	38.1	18.6	28	1	114
MUSTANG/M-091RR	42	43	43	38.2	18.4	28	1	114
DEN BESTEN/DB0900RR	41	41	42	38.8	17.9	28	1	114
SODAK GENETICS/SD1091R	39	41	37	39.1	17.7	32	1	117
-----								
Entries tested two years								
MUSTANG/M-083RR	.	44	44	38.2	18.5	32	1	118
PRAIRIE BR./PB-0812RR	.	44	44	38.8	18.0	32	1	117
SODAK GENETICS/SD1081R	.	44	40	38.5	17.2	32	1	118
TOP FARM/6102RR	.	42	43	37.6	18.3	31	1	115
KRUGER/090RR	.	42	43	39.0	18.3	32	1	116
MUSTANG/M-092RR	.	42	39	38.4	18.1	30	1	116
BIO GENE/BG091RR	.	39	36	36.9	17.6	32	1	114
TOP FARM/6072RR	.	36	35	38.7	17.7	27	1	115
-----								
Entries tested one year								
KRUGER/101RR	.	.	46	.	.	29	1	119
KRUGER/091-1RR	.	.	46	.	.	30	1	118
LATHAM/EXP-E0710R	.	.	45	.	.	31	1	114
LATHAM/EXP-E0830R	.	.	45	.	.	29	1	115
PETERSON/PFS 0408RR	.	.	43	.	.	26	1	116
WENSMAN/W 2103RR	.	.	43	.	.	29	1	117
KRUGER/121ARR	.	.	43	.	.	32	1	117
GARST/0901RR	.	.	43	.	.	33	1	115
PRAIRIE BR./PB-1043RR	.	.	42	.	.	30	1	117
KRUGER/091RR	.	.	42	.	.	31	1	117
DEKALB/DKB07-52	.	.	42	.	.	31	1	111
PRAIRIE BR./PB-1063RR	.	.	41	.	.	30	1	117
PRAIRIE BR./PB-0923RR	.	.	41	.	.	30	1	119
ZILLER/BT 7084R	.	.	41	.	.	28	1	115
SANDS/SOI 0931RR	.	.	41	.	.	29	1	117

**Table 13. Brookings, maturity group 0 Roundup Ready™ test results (continued).**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
	----- 2003 -----							
	Entries tested one year							
DESOY/090RR	.	.	40	.	.	31	1	117
MUSTANG/M-094RR	.	.	40	.	.	31	1	117
PETERSON/EXP 0307RR	.	.	39	.	.	30	1	114
LATHAM/L0930R	.	.	39	.	.	31	1	117
NORTHSTAR/NS 0923RR	.	.	38	.	.	29	1	115
DAIRYLAND/DSR-075/RR	.	.	38	.	.	28	1	113
SANDS/SOI 1050RR	.	.	38	.	.	31	1	118
KRUGER/100RR	.	.	37	.	.	32	1	118
LATHAM/EXP-E0835R	.	.	37	.	.	28	1	114
Test average:	42	43	41	38.1	18.0	31	1	116
LSD(5%) value (\$):	NS	NS	5					
Min.top yield value (\$):	39	36	41					
Coef. of variation (#):	7	8	7					

\$/+ See yield / protein and oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

NS - Indicates differences between values within a column are not significant.

# Measure of experimental error: values of < 15% are desired.



**Table 14. Brookings, maturity group I Roundup Ready™ soybean test results, 2001-2003. SDSU Agronomy Farm, seeded May 20.**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 ----- Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
-----								
	Entries tested three years							
KRUGER/223+RR	52	54	51	34.8	18.7	29	1	129
DEN BESTEN/DB1902RR	50	52	50	34.7	18.2	28	1	127
THOMPSON/T-7205RR	49	52	47	34.7	18.3	30	1	128
THOMPSON/T-7217RR	48	49	43	36.1	18.2	34	1	131
KRUGER/222+RR	46	47	38	37.1	17.5	33	1	128
ZILLER/BT 7150R	46	48	47	34.5	18.3	34	2	123
HY-VIGOR/H-174RR	46	46	42	37.2	16.8	30	1	122
PRAIRIE BR./PB-1620RR	44	45	39	35.4	17.8	33	2	119
NORTHSTAR/NS 1624RR	44	46	42	35.5	17.6	34	1	127
PRAIRIE BR./PB-1241RR	43	43	39	37.2	18.4	29	1	115
SANDS/SOI 1515RR	43	44	40	38.5	17.4	33	1	120
MUSTANG/M-151RR	43	45	40	34.3	17.7	35	1	121
COYOTE/9419RR	40	41	36	37.3	18.0	36	1	127
-----								
	Entries tested two years							
DESOY/191+RR	.	52	48	33.8	19.5	29	1	125
STINE/S1918-4	.	51	46	34.9	18.6	29	1	127
KALTENBERG/KB153RR	.	50	51	37.4	17.6	30	1	122
DESOY/191RR	.	50	44	36.0	18.0	34	1	130
KRUGER/202+RR	.	50	47	34.2	18.6	29	1	129
MUSTANG/M-153RR	.	49	43	36.4	17.6	30	1	121
DAIRYLAND/DSR-199/RR	.	49	44	36.7	17.9	34	1	129
EXCEL/8193RR	.	48	45	36.0	18.1	33	1	130
ZILLER/BT 7193R	.	48	44	36.1	17.8	32	1	131
PRAIRIE BR./PB-2112RR	.	48	44	35.3	18.2	30	1	129
MUSTANG/M-163RR	.	47	47	37.7	17.2	34	1	125
PRAIRIE BR./PB-1552RR	.	47	47	35.6	18.2	29	1	123
KRUGER/211+RR	.	47	45	35.0	18.4	30	1	129
DAIRYLAND/DSR-155/RR	.	47	45	37.3	18.1	32	1	122
GOLD COUNTRY/1319RR	.	47	43	36.6	17.9	33	1	130
DYNA-GRO/DG 33M14RR	.	47	46	37.4	18.0	34	1	120
PRAIRIE BR./PB-1921RR	.	47	44	35.8	17.6	32	1	129
PRAIRIE BR./PB-1452RR	.	46	42	37.2	18.5	33	1	118
KALTENBERG/KB172RR	.	46	41	36.2	18.3	32	1	125
ASGROW/AG1701	.	46	43	37.0	17.8	31	1	122

**Table 14. Brookings, maturity group I Roundup Ready™ test results (continued).**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 ----- Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
	----- 2003 -----							
	----- Maturity: -----							
	----- Days -----							
	----- after -----							
	----- seeding -----							
	-----							
	Entries tested two years							
WENSMAN/W 2145RR	.	45	42	37.4	18.4	34	1	117
MUSTANG/M-101RR	.	45	48	37.3	17.9	29	1	119
RENK/RS199RR	.	45	38	34.3	19.4	35	2	127
CROWS/C1630R	.	44	43	35.3	17.5	33	2	125
NORTHSTAR/NS 1407RR	.	44	43	37.7	18.1	33	1	119
KALTENBERG/KB161RR	.	44	38	35.2	18.1	36	1	119
DEN BESTEN/DB1303RR	.	44	46	37.9	17.9	33	1	119
WENSMAN/W 2186RR	.	43	41	36.9	18.1	30	1	127
WENSMAN/W 2162RR	.	43	42	37.7	17.1	27	1	123
RENK/RS172RR	.	41	39	38.0	17.5	31	1	125
	-----							
	Entries tested one year							
DYNA-GRO/DG 31C15RR	.	.	48	.	.	27	1	123
SABRE/195RR	.	.	48	.	.	32	2	129
PRAIRIE BR./PB-1943RR	.	.	47	.	.	29	1	130
PETERSON/PFS 0410RR	.	.	47	.	.	29	1	121
DESOY/161RR/SCN	.	.	47	.	.	29	1	123
TOP FARM/EXP34043BRR	.	.	46	.	.	35	1	120
THOMPSON/EXP7213RR	.	.	46	.	.	37	1	131
ASGROW/AG2106	.	.	45	.	.	31	1	129
KRUGER/223RR	.	.	45	.	.	29	1	130
SANDS/EXP 1751RR	.	.	45	.	.	28	1	121
MUSTANG/M-124RR	.	.	44	.	.	31	1	117
LATHAM/367RR	.	.	44	.	.	33	1	130
LATHAM/EXP-E1030R	.	.	44	.	.	30	1	121
MUSTANG/M-174RR	.	.	44	.	.	29	1	124
TOP FARM/EXP35260RR	.	.	43	.	.	32	1	126
DYNA-GRO/DG 3190RR	.	.	43	.	.	33	1	132
LATHAM/EXP-E1800R	.	.	43	.	.	34	1	129
KRUGER/222A	.	.	42	.	.	31	1	132
DESOY/194RR	.	.	42	.	.	31	2	130
EXCEL/8173RR	.	.	42	.	.	30	2	132
SANDS/SOI 1441RR	.	.	42	.	.	33	1	119
LATHAM/148RR	.	.	42	.	.	32	1	117
DAIRYLAND/DSR-101/RR	.	.	42	.	.	31	1	119
KRUGER/171RR	.	.	42	.	.	31	1	123
DEKALB/DKB19-52	.	.	41	.	.	31	1	127

**Table 14. Brookings, maturity group I Roundup Ready™ test results (continued).**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 -----
	3yr	2yr	2003	Prot. pct+	Oil pct+			Maturity: Days after seeding
	----- Entries tested one year -----							
ZILLER/BT 7143R	.	.	41	.	.	32	1	119
NORTHSTAR/NS 1207RR	.	.	40	.	.	31	1	117
LATHAM/EXP-E1750R	.	.	40	.	.	30	1	122
MUSTANG/M-194NRR	.	.	40	.	.	32	1	124
KRUGER/171ARR	.	.	40	.	.	29	1	125
DYNA-GRO/DG 38J12RR	.	.	39	.	.	32	1	117
GARST/XR18P04	.	.	38	.	.	32	1	127
PUBLIC/SD00-236R	.	.	37	.	.	34	2	120
HY-VIGOR/199XRR	.	.	36	.	.	36	1	127
SANDS/SOI 1730RR	.	.	34	.	.	31	1	122
Test average:	45	46	43	36.3	18.0	32	1	124
LSD(5%) value (\$):	4	6	7					
Min.top yield value (\$):	48	48	44					
Coef. of variation (#):	10	10	10					

\$/+ See yield / protein and oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

# Measure of experimental error: values of < 15% are desired.

**Table 15. Brookings, maturity group II Roundup Ready™ soybean test results, 2001-2003. SDSU Agronomy Farm, seeded May 20.**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 ----- Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
-----								
Entries tested three years								
MUSTANG/M-201RR	52	54	48	35.0	18.3	31	1	130
KRUGER/262-2RR	51	54	46	35.6	18.8	33	1	132
PRAIRIE BR./PB-2141RR	51	56	49	34.3	18.9	28	1	129
ASGROW/AG2302	50	52	42	36.2	18.4	33	1	127
KRUGER/250RR	49	51	43	36.3	18.3	35	2	133
PRAIRIE BR./PB-2397RR	49	53	46	37.3	17.7	36	2	138
DYNA-GRO/DG 3223RR	46	49	42	36.7	17.9	35	2	132
-----								
Entries tested two years								
SANDS/SOI 2143RR	.	57	51	35.3	18.4	31	1	128
LATHAM/L2136R	.	57	48	35.3	18.1	30	1	129
MUSTANG/M-203RR	.	56	51	35.8	18.2	30	1	130
GOLD COUNTRY/6221RR	.	55	46	36.0	17.7	30	1	130
MUSTANG/M-243RR	.	54	48	34.5	18.8	32	1	133
MIDWEST SEED/GR2037	.	54	49	36.5	17.6	31	1	130
CROWS/C2130R	.	54	46	36.0	18.5	31	1	130
PRAIRIE BR./PB-2552RR	.	54	48	37.8	16.6	34	1	134
KRUGER/268RR	.	54	45	34.3	18.9	31	1	132
KRUGER/269RR	.	54	47	37.3	17.2	34	1	135
THOMPSON/T-7225RR	.	54	43	36.9	17.9	34	1	130
KRUGER/211RR	.	53	44	36.0	17.8	31	1	129
DEKALB/DKB22-51	.	53	43	36.0	18.0	31	1	131
LATHAM/678RR	.	52	41	37.0	17.3	33	1	133
PRAIRIE BR./PB-2352RR	.	52	46	33.7	18.6	36	1	129
EXCEL/8200RR	.	51	42	36.1	18.2	33	1	132
RENK/RS212RR	.	51	45	34.6	18.0	33	1	130
DEN BESTEN/DB2303RR	.	50	42	36.6	17.8	32	1	138
PRAIRIE BR./PB-2421RR	.	50	41	35.7	18.2	31	2	132
DYNA-GRO/DG 3200RR	.	48	36	35.6	17.7	30	1	133
-----								
Entries tested one year								
SABRE/215RR	.	.	50	.	.	30	1	128
PRAIRIE BR./PB-2343RR	.	.	50	.	.	34	1	134
RENK/RS223RR	.	.	49	.	.	32	1	130
SANDS/SOI 2141ARR	.	.	49	.	.	31	1	130
WENSMAN/W 2211RR	.	.	49	.	.	30	1	130
STINE/S2400-4	.	.	48	.	.	33	1	135
TOP FARM/EXP321044RR	.	.	47	.	.	32	1	130

**Table 15. Brookings, maturity group II Roundup Ready™ test results (continued).**

Brand / Entry	Yield - bu/a (13% moisture)			2002 Prot. pct+	2002 Oil pct+	Ht. in.	----- 2003 -----	
	3yr	2yr	2003				Ldg. Sc.~	Maturity: Days after seeding
	----- Entries tested one year -----							
KRUGER/233+RR	.	.	47	.	.	31	1	133
DAIRYLAND/DSR-234/RR	.	.	47	.	.	30	1	133
COYOTE/9524RR	.	.	47	.	.	31	1	132
LATHAM/EXP-E2350R	.	.	46	.	.	34	1	136
MUSTANG/M-234RR	.	.	46	.	.	29	1	133
MUSTANG/M-224RR	.	.	46	.	.	33	2	132
KRUGER/230RR	.	.	46	.	.	33	1	131
JACOBSEN/EXP J733R	.	.	45	.	.	33	1	131
PRAIRIE BR./PB-2243RR	.	.	45	.	.	33	1	130
STINE/S2116-4	.	.	44	.	.	27	1	132
LATHAM/EXP-E2336R	.	.	44	.	.	30	1	132
PRAIRIE BR./PB-2443RR	.	.	44	.	.	30	2	133
THOMPSON/T-7252RR	.	.	43	.	.	32	1	133
JACOBSEN/EXP J730NR	.	.	43	.	.	33	1	128
DYNA-GRO/DG 3218RR	.	.	43	.	.	34	1	135
DESOY/260RR	.	.	43	.	.	35	1	133
DYNA-GRO/DG 3232RR	.	.	43	.	.	34	2	135
KRUGER/270RR	.	.	42	.	.	35	2	138
THOMPSON/EXP7259RR	.	.	42	.	.	33	2	137
THOMPSON/EXP7239RR	.	.	42	.	.	31	1	130
ASGROW/AG2107	.	.	42	.	.	32	1	127
EXCEL/8227RR	.	.	41	.	.	31	1	131
COYOTE/EXP721RR	.	.	40	.	.	31	1	129
THOMPSON/T-7243RR	.	.	40	.	.	35	2	132
KRUGER/252RR	.	.	40	.	.	34	1	134
KRUGER/251RR	.	.	39	.	.	36	1	137
THOMPSON/EXP7221RR	.	.	38	.	.	32	1	127
Test average:	49	52	44	36.0	18.1	33	1	131
LSD(5%) value (\$):	4	5	7					
Min.top yield value (\$):	48	52	44					
Coef. of variation (#):	8	8	10					

\$/+ See yield / protein and oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

# Measure of experimental error: values of < 15% are desired.

**Table 16. Beresford, maturity group I Roundup Ready™ soybean test results, 2001-2003. S.E. Research Farm, seeded May 21.**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 ----- Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
-----								
Entries tested three years								
THOMPSON/T-7205RR	56	55	54	35.3	18.8	31	1	123
DEN BESTEN/DB1902RR	55	55	53	34.6	18.8	30	1	123
KRUGER/199+RR	54	53	50	35.5	18.9	31	1	122
KRUGER/223+RR	54	51	50	35.4	18.9	31	1	124
LATHAM/418RR	52	49	49	36.7	18.5	34	1	122
-----								
Entries tested two years								
DESOY/191+RR	.	56	53	33.9	19.4	28	1	120
STINE/S1918-4	.	56	56	36.2	18.4	34	1	123
KRUGER/202+RR	.	55	54	34.6	19.1	30	1	123
THOMPSON/T-7214RR	.	55	51	36.5	18.2	30	1	122
MERSCHMAN/MARS VIIRR	.	53	53	36.6	18.2	31	1	123
KRUGER/211+RR	.	52	52	35.8	18.5	32	1	122
PRAIRIE BR./PB-2112RR	.	51	53	36.0	18.1	32	1	122
KRUGER/191RR	.	50	48	34.6	18.9	33	1	123
KRUGER/222+RR	.	50	48	37.3	18.0	35	1	124
DAIRYLAND/DSR-199/RR	.	50	47	36.1	18.5	33	1	122
ZILLER/BT 7193R	.	48	45	35.9	19.1	33	1	123
MERSCHMAN/VENUS RR	.	47	44	37.2	19.1	34	1	123
-----								
Entries tested one year								
KRUGER/223RR	.	.	52	.	.	30	1	122
PRAIRIE BR./PB-1943RR	.	.	51	.	.	30	1	123
LATHAM/EXP-E1800R	.	.	50	.	.	36	2	122
LATHAM/EXP-E1750R	.	.	49	.	.	30	1	122
THOMPSON/EXP7213RR	.	.	49	.	.	36	1	123
BIO GENE/BG1700RR	.	.	47	.	.	31	1	120
DEKALB/DKB19-52	.	.	47	.	.	31	1	118
KRUGER/222A	.	.	45	.	.	36	1	125
DAIRYLAND/DSR-101/RR	.	.	44	.	.	32	1	111
-----								
Test average:	54	52	49	35.8	18.7	33	1	121
LSD(5%) value (\$):	NS	5	5					
Min.top yield value (\$):	52	51	51					
Coef. of variation (#):	6	7	6					

\$/+ See yield / protein and oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

NS - Indicates differences between values within a column are not significant.

# Measure of experimental error: values of < 15% are desired.

**Table 17. Beresford, maturity group II Roundup Ready™ soybean test results, 2001-2003. S.E. Research Farm, seeded May 21.**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 ----- Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
----- 2003 -----								
Entries tested three years								
PRAIRIE BR./PB-2421RR	54	53	52	36.1	19.0	33	1	123
LATHAM/497RR	54	50	51	35.0	18.9	30	1	123
MUSTANG/M-201RR	53	51	47	35.9	18.7	29	1	123
PRAIRIE BR./PB-2397RR	52	50	45	35.8	18.8	38	1	123
LATHAM/647RR	52	50	49	35.5	19.3	31	1	123
KRUGER/262-2RR	51	49	44	35.6	19.4	31	1	120
SANDS/SOI 226RR	51	49	52	36.3	18.2	38	2	125
PRAIRIE BR./PB-2821RR	51	50	46	36.6	19.1	38	2	127
DEN BESTEN/DB2601RR	51	45	45	36.2	18.1	35	1	126
ASGROW/AG2302	50	48	47	35.9	19.0	34	1	122
DAIRYLAND/DSR-221/RR	49	46	44	35.9	19.0	23	1	123
DEKALB/DKB26-52	49	46	42	37.2	18.7	41	3	127
KRUGER/269RR	49	44	42	37.9	18.0	33	1	126
KRUGER/250RR	49	46	44	36.5	18.5	36	1	125
KALTENBERG/KB261RR	47	45	39	37.4	18.6	41	3	127
COYOTE/9626RR	46	45	44	36.4	17.8	34	1	126
Entries tested two years								
COYOTE/9524RR	.	54	52	33.7	19.6	35	1	125
MIDWEST SEED/GR2037	.	52	51	35.1	18.9	31	1	122
SANDS/SOI 2143RR	.	52	54	35.0	18.9	32	1	123
KRUGER/211RR	.	51	51	35.8	18.6	30	1	122
KRUGER/270RR	.	51	49	36.6	18.6	35	3	128
PRAIRIE BR./PB-2832RR	.	51	45	36.4	18.6	30	1	130
DEKALB/DKB25-51	.	51	49	34.2	19.5	34	1	124
SANDS/SOI 2642NRR	.	50	48	36.5	18.5	39	3	127
LATHAM/457RR	.	49	44	36.5	19.0	37	1	125
RENK/RS212RR	.	49	47	35.5	18.7	33	1	122
MUSTANG/M-243RR	.	49	46	34.5	18.9	33	1	124
MERSCHMAN/SIOUX IIRR	.	49	46	38.6	17.9	30	1	128
DYNA-GRO/DG 38K28RR	.	49	44	36.3	18.4	38	3	129
SANDS/SOI 2872RR	.	48	45	36.4	18.3	40	2	128
MUSTANG/M-203RR	.	48	51	36.3	18.3	30	1	121



**Table 17. Beresford, maturity group II Roundup Ready™ test results (continued).**

Brand / Entry	Yield - bu/a (13% moisture)			2002 Prot. pct+	2002 Oil pct+	Ht. in.	----- 2003 -----	
	3yr	2yr	2003				Ldg. Sc.~	Maturity: Days after seeding
	-----							
	Entries tested two years							
PRAIRIE BR./PB-2352RR	.	47	45	35.5	18.7	34	1	123
DYNA-GRO/DG 3200RR	.	47	46	36.2	18.4	28	1	124
MERSCHMAN/APACHE VIIIR	.	46	43	37.1	18.1	33	1	127
PRAIRIE BR./PB-2552RR	.	44	42	36.9	18.0	33	1	126
DEN BESTEN/DB2303RR	.	44	44	36.7	18.3	32	1	127
DEN BESTEN/DB2803RR	.	43	39	35.1	18.8	35	2	127
COYOTE/9728RR	.	43	37	35.1	19.1	36	1	126
DEN BESTEN/DB2503RR	.	43	37	37.1	17.7	33	1	126
MUSTANG/M-273RR	.	39	34	35.4	18.9	38	2	126
	-----							
	Entries tested one year							
LATHAM/L2136R	.	.	56	.	.	31	1	123
PRAIRIE BR./PB-2243RR	.	.	54	.	.	33	1	122
STINE/S2116-4	.	.	53	.	.	29	1	123
JACOBSEN/EXP J733R	.	.	52	.	.	30	1	123
PRAIRIE BR./PB-2643RR	.	.	51	.	.	36	1	130
SANDS/SOI 2141ARR	.	.	51	.	.	31	1	121
HY-VIGOR/H-223RR	.	.	50	.	.	33	1	124
ASGROW/AG2403	.	.	50	.	.	30	1	125
KRUGER/251RR	.	.	49	.	.	39	3	127
MERSCHMAN/MUNSEE IVRR	.	.	49	.	.	29	1	123
RENK/RS223RR	.	.	49	.	.	31	1	122
RENK/RS253RR	.	.	49	.	.	34	1	129
PRAIRIE BR./PB-2732RR	.	.	48	.	.	32	1	127
SABRE/282RR	.	.	48	.	.	38	4	127
MUSTANG/M-284RR	.	.	48	.	.	32	1	129
SANDS/SOI 2749RR	.	.	48	.	.	31	1	126
LATHAM/EXP-E2300R	.	.	48	.	.	32	1	124
LATHAM/EXP-E2145R	.	.	48	.	.	36	1	125
KALTENBERG/KB275RR	.	.	48	.	.	37	2	127
COYOTE/EXP527RR	.	.	47	.	.	34	2	130
PRAIRIE BR./PB-2343RR	.	.	47	.	.	33	2	125
GARST/2834RR	.	.	46	.	.	33	1	129
KALTENBERG/KB244RR	.	.	46	.	.	34	1	126
JACOBSEN/J828R	.	.	46	.	.	37	2	129
KRUGER/230RR	.	.	46	.	.	32	1	123

**Table 17. Beresford, maturity group II Roundup Ready™ test results (continued).**

Brand / Entry	Yield - bu/a (13% moisture)			2002 Prot. pct+	2002 Oil pct+	Ht. in.	----- 2003 -----	
	3yr	2yr	2003				Ldg. Sc.~	Maturity: Days after seeding
	----- Entries tested one year -----							
EXCEL/8236NRR	.	.	46	.	.	31	1	124
DYNA-GRO/DG 3218RR	.	.	46	.	.	36	1	124
KRUGER/289+RR	.	.	46	.	.	36	1	129
THOMPSON/T-7284RR	.	.	46	.	.	38	3	128
DAIRYLAND/DSR-234/RR	.	.	46	.	.	31	1	124
EXCEL/8226RR	.	.	45	.	.	33	1	124
STINE/S2400-4	.	.	45	.	.	32	1	123
THOMPSON/EXP7239RR	.	.	45	.	.	32	1	124
SANDS/SOI 2353RR	.	.	45	.	.	35	1	124
DESOY/270ARR	.	.	45	.	.	39	2	127
GOLD COUNTRY/2424RR	.	.	45	.	.	33	1	123
SABRE/238RR	.	.	45	.	.	36	1	125
HY-VIGOR/2R44	.	.	45	.	.	33	1	127
SANDS/SOI 2541RR	.	.	45	.	.	36	2	127
LATHAM/EXP-E2530R	.	.	45	.	.	38	2	127
DYNA-GRO/DG 3223RR	.	.	45	.	.	32	1	124
MIDWEST SEED/GR2627	.	.	44	.	.	35	1	128
ZILLER/BT 7213R	.	.	44	.	.	32	1	121
DYNA-GRO/DG 3232RR	.	.	44	.	.	35	1	128
COYOTE/EXP625RR	.	.	44	.	.	33	1	128
ASGROW/AG2801	.	.	44	.	.	33	2	130
SANDS/SOI 2501RR	.	.	44	.	.	34	1	124
THOMPSON/T-7293RR	.	.	43	.	.	31	1	128
CROWS/C2506R	.	.	43	.	.	33	1	126
DEKALB/DKB28-52	.	.	43	.	.	36	2	128
MUSTANG/M-234RR	.	.	43	.	.	34	1	123
THOMPSON/T-7252RR	.	.	43	.	.	31	1	126
HY-VIGOR/EXP-2R55	.	.	42	.	.	35	1	128
SANDS/EXP 2856NRR	.	.	42	.	.	37	3	130
THOMPSON/EXP7259RR	.	.	42	.	.	37	3	125
JACOBSEN/EXP J839R	.	.	42	.	.	31	1	128
SANDS/SOI 2858NRR	.	.	42	.	.	36	1	130
DESOY/260RR	.	.	42	.	.	36	1	126
JACOBSEN/J725R	.	.	42	.	.	34	2	126
KRUGER/292RR	.	.	41	.	.	31	1	127

**Table 17. Beresford, maturity group II Roundup Ready™ test results (continued).**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	----- 2003 -----	
	3yr	2yr	2003	Prot. pct+	Oil pct+		Ldg. Sc.~	Maturity: Days after seeding
	----- Entries tested one year -----							
EXCEL/8237RR	.	.	41	.	.	34	2	124
MUSTANG/M-253RR	.	.	41	.	.	34	1	127
DYNA-GRO/DG 3263RR	.	.	41	.	.	38	1	127
DAIRYLAND/DSR-245/RR	.	.	41	.	.	34	1	127
STINE/S2640-4	.	.	40	.	.	33	1	127
LATHAM/EXP-E2200R	.	.	40	.	.	36	2	124
MERSCHMAN/CHICKASAW 8R	.	.	39	.	.	35	1	130
LATHAM/EXP-E2780R	.	.	39	.	.	35	1	127
MERSCHMAN/MOHAWK RR	.	.	39	.	.	32	1	123
THOMPSON/T-7243RR	.	.	39	.	.	34	2	124
MUSTANG/M-224RR	.	.	39	.	.	33	1	123
EXCEL/8258RR	.	.	38	.	.	36	1	125
THOMPSON/EXP7221RR	.	.	38	.	.	34	1	118
KRUGER/252RR	.	.	37	.	.	44	1	123
GARST/2903RR	.	.	37	.	.	39	1	129
HY-VIGOR/2720NR	.	.	35	.	.	35	1	126
Test average:	50	47	45	36.0	18.7	34	1	125
LSD(5%) value (\$):	5	7	5					
Min.top yield value (\$):	49	47	51					
Coef. of variation (#):	8	8	8					

\$/+ See yield / protein and oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

# Measure of experimental error: values of < 15% are desired.

**Table 18. Armour, maturity group I Roundup Ready™ soybean test results, 2001-2003. Mark and Cletus Wiechmann farm, seeded May 29.**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	2003	Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+				
	----- 2003 -----								
	Entries tested three years								
DEN BESTEN/DB1902RR	38	34	28	34.1	19.8	21	1	117	
KRUGER/223+RR	37	31	19	35.4	19.1	21	1	120	
	Entries tested two years								
KRUGER/191RR	.	35	25	34.5	19.4	24	1	121	
PRAIRIE BR./PB-2112RR	.	34	25	35.5	18.4	21	1	117	
KRUGER/211+RR	.	32	24	36.0	18.5	22	1	119	
KRUGER/222+RR	.	32	17	36.8	18.8	23	1	118	
KRUGER/202+RR	.	30	23	34.2	19.6	21	1	117	
TOP FARM/6202RR	.	30	19	36.9	18.6	23	1	115	
DAIRYLAND/DSR-199/RR	.	29	18	35.9	18.7	25	1	117	
	Entries tested one year								
DEKALB/DKB19-52	.	.	23	.	.	21	1	120	
PRAIRIE BR./PB-1943RR	.	.	22	.	.	22	1	118	
KRUGER/222A	.	.	21	.	.	23	1	121	
KRUGER/223RR	.	.	19	.	.	20	1	114	
TOP FARM/EXP35260RR	.	.	18	.	.	22	1	116	
BIO GENE/BG1700RR	.	.	12	.	.	21	1	116	
Test average:	38	32	20	35.5	19.0	22	1	117	
LSD(5%) value (\$):	NS	NS	4						
Min.top yield value (\$):	37	29	24						
Coef. of variation (#):	15	14	12						

\$/+ See yield / protein and oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

NS - Indicates differences between values within a column are not significant.

# Measure of experimental error: values of < 15% are desired.

**Table 19. Armour, maturity group II Roundup Ready™ soybean test results, 2001-2003. Mark and Cletus Wiechmann farm, seeded May 29.**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 ----- Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
	-----							
	Entries tested three years							
ASGROW/AG2302	41	40	33	35.4	19.6	27	1	118
PRAIRIE BR./PB-2141RR	40	39	29	35.2	19.4	22	1	122
KRUGER/250RR	40	35	24	35.0	19.2	27	1	119
LATHAM/457RR	39	36	27	34.8	19.8	25	1	120
DEN BESTEN/DB2601RR	39	35	28	32.9	19.9	27	1	123
PRAIRIE BR./PB-2821RR	38	34	27	34.0	19.3	27	1	123
SANDS/SOI 226RR	36	31	24	34.6	19.9	30	1	116
COYOTE/9626RR	36	32	25	34.6	19.0	29	1	123
PRAIRIE BR./PB-2397RR	36	32	28	35.1	19.7	27	1	119
PRAIRIE BR./PB-2421RR	36	30	22	35.1	20.0	23	1	120
KRUGER/262-2RR	33	30	23	34.2	19.8	23	1	119
	-----							
	Entries tested two years							
DEKALB/DKB25-51	.	40	35	33.7	20.3	27	1	123
MIDWEST SEED/GR2037	.	40	33	35.2	18.7	24	1	119
THOMPSON/T-7254RR	.	39	27	33.9	19.8	26	1	120
KRUGER/211RR	.	39	34	34.4	18.9	23	1	119
KRUGER/268RR	.	38	29	33.4	20.1	23	1	123
KRUGER/270RR	.	37	21	34.2	19.4	28	1	123
KRUGER/269RR	.	37	32	36.0	18.6	27	1	122
SANDS/SOI 2872RR	.	37	27	34.2	19.7	32	1	122
KALTENBERG/KB241RR	.	36	30	35.5	18.5	23	1	121
DEN BESTEN/DB2803RR	.	35	27	33.5	19.7	28	1	124
DEN BESTEN/DB2503RR	.	35	21	35.6	19.3	23	1	123
PRAIRIE BR./PB-2352RR	.	35	26	33.2	19.8	27	1	119
THOMPSON/T-7262RR	.	35	25	33.4	19.7	23	1	122
SANDS/SOI 2541RR	.	33	23	35.3	18.9	30	1	121
MUSTANG/M-203RR	.	33	23	35.7	19.0	23	1	118
SANDS/SOI 2642NRR	.	33	24	35.1	19.5	34	1	121
COYOTE/9524RR	.	32	31	33.0	20.2	26	1	120
PRAIRIE BR./PB-2552RR	.	32	22	34.1	19.4	23	1	121
DEN BESTEN/DB2303RR	.	31	19	35.0	19.3	23	1	123
KALTENBERG/KB261RR	.	30	19	34.5	19.9	29	1	123

**Table 19. Armour, maturity group II Roundup Ready™ test results (continued).**

Brand / Entry	Yield - bu/a (13% moisture)			2002 Prot. pct+	2002 Oil pct+	Ht. in.	----- 2003 -----	
	3yr	2yr	2003				Ldg. Sc.~	Maturity: Days after seeding
	Entries tested two years							
DYNA-GRO/DG 3200RR	.	29	28	35.0	19.2	23	1	120
PUBLIC/SD96-170RR-28L	.	29	23	35.1	20.3	29	1	110
	Entries tested one year							
COYOTE/EXP527RR	.	.	33	.	.	28	1	122
ASGROW/AG2107	.	.	33	.	.	28	1	118
THOMPSON/EXP7239RR	.	.	32	.	.	26	1	121
SANDS/SOI 2501RR	.	.	32	.	.	28	1	122
MUSTANG/M-234RR	.	.	31	.	.	23	1	121
DESOY/270ARR	.	.	31	.	.	33	1	121
KRUGER/233+RR	.	.	31	.	.	24	1	121
LATHAM/L2136R	.	.	31	.	.	23	1	119
SANDS/SOI 2143RR	.	.	31	.	.	25	1	121
PRAIRIE BR./PB-2343RR	.	.	30	.	.	26	1	121
ASGROW/AG2403	.	.	30	.	.	25	1	120
MUSTANG/M-253RR	.	.	30	.	.	24	1	121
PRAIRIE BR./PB-2643RR	.	.	30	.	.	24	1	123
SANDS/SOI 2353RR	.	.	30	.	.	26	1	123
DAIRYLAND/DSR-234/RR	.	.	30	.	.	24	1	122
HY-VIGOR/2R44	.	.	30	.	.	26	1	121
DYNA-GRO/DG 3218RR	.	.	29	.	.	30	1	120
SANDS/SOI 2141ARR	.	.	29	.	.	24	1	119
THOMPSON/T-7252RR	.	.	29	.	.	25	1	122
COYOTE/EXP721RR	.	.	28	.	.	27	1	119
KRUGER/230RR	.	.	28	.	.	25	1	120
KALTENBERG/KB275RR	.	.	28	.	.	25	1	125
STINE/S2640-4	.	.	27	.	.	25	1	122
RENK/RS253RR	.	.	27	.	.	26	1	122
DESOY/260RR	.	.	27	.	.	29	1	123
THOMPSON/T-7284RR	.	.	27	.	.	28	1	123
MIDWEST SEED/GR2627	.	.	27	.	.	24	1	122
CROWS/C2130R	.	.	26	.	.	24	1	120
KRUGER/252RR	.	.	26	.	.	25	1	123
PRAIRIE BR./PB-2732RR	.	.	26	.	.	24	1	124
DYNA-GRO/DG 38K28RR	.	.	26	.	.	26	1	123
KRUGER/251RR	.	.	26	.	.	31	1	123
DYNA-GRO/DG 3232RR	.	.	26	.	.	28	1	120

**Table 19. Armour, maturity group II Roundup Ready™ test results (continued).**

Brand / Entry	Yield - bu/a (13% moisture)			2002	2002	Ht. in.	Ldg. Sc.~	----- 2003 ----- Maturity: Days after seeding
	3yr	2yr	2003	Prot. pct+	Oil pct+			
	----- 2003 -----							
	----- Maturity: -----							
	----- Days -----							
	----- after -----							
	----- seeding -----							
	-----							
	Entries tested one year							
JACOBSEN/EXP J839R	.	.	25	.	.	21	1	126
COYOTE/EXP625RR	.	.	25	.	.	24	1	124
MUSTANG/M-273RR	.	.	25	.	.	27	1	123
PRAIRIE BR./PB-2243RR	.	.	25	.	.	23	1	119
SANDS/SOI 2749RR	.	.	24	.	.	23	1	123
MUSTANG/M-222RR	.	.	24	.	.	26	1	119
RENK/RS223RR	.	.	24	.	.	21	1	118
HY-VIGOR/EXP-2R12	.	.	24	.	.	28	1	119
DAIRYLAND/DSR-245/RR	.	.	24	.	.	26	1	122
HY-VIGOR/EXP-2R55	.	.	24	.	.	24	1	122
JACOBSEN/J828R	.	.	23	.	.	28	1	123
DEKALB/DKB28-52	.	.	23	.	.	28	1	121
CROWS/C2506R	.	.	23	.	.	24	1	122
THOMPSON/T-7293RR	.	.	23	.	.	22	1	126
SANDS/EXP 2856NRR	.	.	23	.	.	27	1	122
SANDS/SOI 2858NRR	.	.	22	.	.	28	1	123
MUSTANG/M-224RR	.	.	22	.	.	23	1	123
STINE/S2400-4	.	.	22	.	.	25	1	120
MUSTANG/M-284RR	.	.	22	.	.	22	1	127
THOMPSON/T-7243RR	.	.	20	.	.	25	1	123
DYNA-GRO/DG 3263RR	.	.	20	.	.	24	1	124
ASGROW/AG2801	.	.	20	.	.	27	1	126
DYNA-GRO/DG 3223RR	.	.	19	.	.	26	1	120
JACOBSEN/J725R	.	.	19	.	.	25	1	121
Test average:	37	34	26	34.0	19.6	26	1	121
LSD(5%) value (\$):	6	NS	5					
Min.top yield value (\$):	35	34	30					
Coef. of variation (#):	16	17	12					

\$/+ See yield / protein and oil sections, respectively.

~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.

NS - Indicates differences between values within a column are not significant.

# Measure of experimental error: values of < 15% are desired.



**Table E. Mailing addresses of seed companies entered in the 2003 soybean trials.**

---

Company name (brand name)
Monsanto (Asgrow & Dekalb), <b>3100</b> Sycamore Rd, Dekalb, IA <b>60115</b>
Bio Gene Seeds (BioGene Brand), <b>5491</b> Tri-County Hwy, Sardinia, OH <b>45171</b>
Coyote Seed Mills (Coyote Brand), Inc., PO Box <b>16</b> , Bridgewater, SD <b>57319-0016</b>
Crows Hybrid Corn Co. (Crows Hybrid Corn Co. Brand), <b>14575</b> University, Waukee, IA <b>50263</b>
Dairyland Seed Co., Inc. (Dairyland Brand), PO Box <b>958</b> , West Bend, WI <b>53095</b>
Den Besten Seed Co., LLC (Den Besten Brand), Box <b>896</b> , Platte, SD <b>57369</b>
Desoy (Desoy Brand), <b>6131</b> North Fork Rd. Ames, IA <b>50010</b>
Dyna-Gro (Dyna-Gro Brand), <b>104</b> Harrison, Emmetsburg, IA <b>50536</b>
Excel Brand (Excel Brand), <b>116</b> E. State, Camp Point, IL <b>62320</b>
Gold Country Seed Inc. (Gold Country Brand), PO Box <b>604</b> , Hutchinson, MN <b>55350</b>
Hy-Vigor Seeds Inc. (Hy-Vigor Brand), <b>4970</b> Redwood Ave, Paullina, IA <b>51046</b>
Garst Seed Co. (Garst Brand), <b>1010</b> Christine Ave., Brookings, SD <b>57006</b>
Kaltenberg Seeds (Kaltenberg Brand), PO Box <b>278</b> , Waunakee, WI <b>53597</b>
Kruger Seed Co. (Kruger Brand), Hwy <b>20</b> E Box A, Dike, IA <b>50624</b>
Latham Seed Co. (Latham Brand), <b>131 180th</b> St, Alexander, IA <b>50420-8028</b>
Jacobsen Hybrid Corn Co., Inc. (Jacobsen Brand), <b>129 9th</b> St., Lake View, IA <b>51450</b>
Merschman Seeds, Inc. (Merschman Brand), <b>103</b> Ave. D, West Point, IA <b>52656</b>
Midwest Seed Genetics (Midwest Brand), <b>14475</b> University Ave, Waukee, IA <b>50263</b>
Mustang Seeds (Mustang Brand), PO Box <b>466</b> , Madison, SD <b>57042</b>
Northstar Genetics (Northstar Genetics Brand), Box <b>40</b> , Wanamingo, MN <b>55983</b>
Peterson Farms Seed (Peterson Brand), <b>3104 164th</b> Ave. SE, Harwood, ND <b>58042</b>
Prairie Brand Seed Co. (Prairie Brand), <b>15 X</b> Ave., Story City, IA <b>50248</b>
Renk Seed Co. (Renk Brand), <b>6800</b> Wilburn Rd., Sun Prairie, WI <b>53590</b>
Sabre Initiatives, LLC (Sabre Brand), <b>2508</b> Trott Ave. SW, Willmar, MN <b>56201</b>
Sand Seed Service, Inc. (Sands Brand), Box <b>648</b> , Marcus, IA <b>51035</b>
Foundation Seed Stocks (Sodak Genetics Brand), Box 2207A, SDSU, Brookings, SD <b>57007</b>
Stine Seed Co. (Stine Brand), <b>2225</b> Laredo Trail, Adel, IA <b>50003</b>
Thompson Seeds Inc. (Thompson Brand), <b>40321 130th</b> Ave., Leland, IA <b>50453</b>
Top Farm Hybrids (Top Farm Hybrids Brand), PO Box <b>850</b> , Cokato, MN <b>55321</b>
Wensman Seed Co. (Wensman Brand), PO Box <b>190</b> , Wadena, MN <b>56482</b>
Ziller Seed Co. Inc. (Ziller Brand), <b>76374 380th</b> St., Bird Island, MN <b>55310</b>

---

