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Soybeans: 2001 Crop Performance Results

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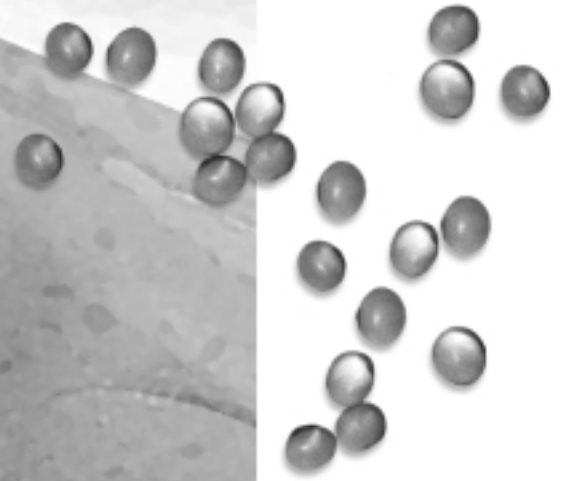
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EC 775
Revised
Annually

Soybeans

2001 Crop Performance Results



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EC 775—Soybeans 2001 Crop Performance Results are available electronically on the internet

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Soybeans

2001 South Dakota Test Results, Characteristics, and Yield Averages

Robert G. Hall, Extension agronomist - crops/Manager - crop testing
Kevin K. Kirby, Agricultural research manager – crop testing
Paul D. Evenson, Professor Emeritus - statistician

Successful soybean production is greatly affected by variety selection for a given growing area. This publication reports the agronomic performance of entries in the 2001 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 available to assist in making variety selections.

General

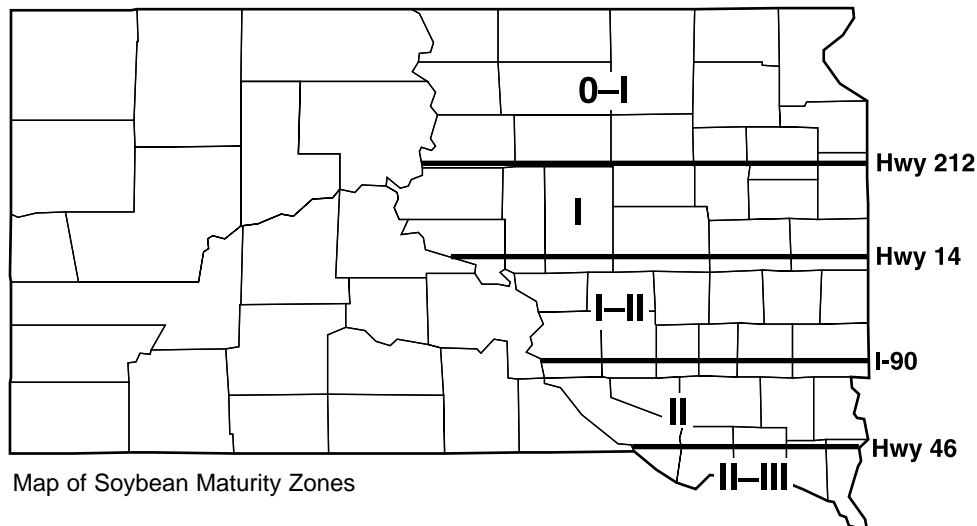
Soybean varieties are classified according to maturity groups which are adapted to maturity zones. Maturity zones are based on day length and are greatly influenced by latitude. Consequently, maturity group-00 varieties are best suited for Canada and extreme northern regions of the U.S., while maturity group-0, group-I, and group-II varieties are suitable for South Dakota. Groups III through VIII are suitable for Iowa, Nebraska, and southward to Texas.

These soybean performance trial results are reported according to the prevalent maturity zones in South Dakota (see map). The conventional and Roundup-Ready soybean variety trials are conducted at the following test locations: Group-0 trials at Watertown, Frankfort, and Brookings; group-I at Watertown, Frankfort, Brookings, Armour, and Beresford;

and group-II trials at 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/or elevation may moderate the effect of 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 in cases of seeding delay, reseeding following hail, or double cropping.

Phytophthora root rot (PRR) is an important soybean disease in South Dakota. It can be controlled or partially managed through the use of resistant varieties. However, the resistance to *Phytophthora* root rot is fungus-race specific. This means resistance to one race does not necessarily impart resistance to other races. Knowing 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 a selection of varieties having genes with a wide a range of race resistance is strongly suggested. Variety resistance to specific races of PRR is dependent on its gene type, which is indicated in Table B. Specific races resistant to PRR are reported in Tables C and D by the seed company.

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, no field tolerance ratings are given in this publication.



Map of Soybean Maturity Zones

Certified seed is the best source and the only assurance of genetic purity of seed. 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. On soils previously cropped with 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 two-year and three-year averages are included where varieties have been tested for two 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 whole bushel per acre.

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 four bushels. The yield difference between the two varieties is five bushels per acre. Since this yield difference of five bushels is greater than the test LSD value of four bushels, there is a statistical yield difference between variety-A (30 bushels) and variety-B (25 bushels). Therefore, variety-A has a higher yield than variety-B. In contrast, if variety-A yielded 28 bushels and variety-B yielded 25 bushels, the yield difference would be three bushels per acre. In this case, variety-A and variety-B would have a similar yield because their yield difference of three bushels was less than the test LSD value of four 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 five 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 a three-year, two-year, or one-year time period. **Note: Entries tested for three years may also have a top-yield group value in the 2 yr (2000-01) and 2001 yield columns. Likewise, entries tested for two years may also have a top-yield group value in the 2001 yield column.**

We gratefully acknowledge the efforts of K. Kepner, crop testing; R. Scott, S. Stein, and C. Engbrecht, SDSU soybean breeding project; J. Smolik and A. Heuer, NE Research

Farm; and R. Berg and staff, SE Research Farm in obtaining the data. Also appreciated are the comments regarding Phytophthora root rot race resistance and tolerance by Marty Draper, Extension plant pathologist. In addition, we gratefully acknowledge the assistance and cooperation of our farmer co-operators: Robert Clark of Armour, S.D., and Steve Masat of Frankfort, S.D.

Protein and Oil Content

The protein and oil values reported are for the 2001 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

The 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, another application followed 21 days later. In non-Roundup Ready test trials, pre-emergence herbicides consisted of Lasso at Watertown, Frankfort, Brookings, and Armour; and Dual at Beresford. In addition, post-emergence herbicide applications included tank mixes of Pursuit/Harmony GT at Watertown, Frankfort, Brookings, and Armour; and Poast Plus/Basagran at Beresford. All herbicides were applied according to label instructions.

Test Procedures: A row spacing of 30 inches was used at all locations. Seeding rates were adjusted, on a pure-live-seed basis, to attain a final population of 150,000 plants per acre for all varieties and locations.

Test plots consist of 2-row plots, 20 feet long, with three replications at all locations. According to label instructions and rates, soybean inoculation was accomplished by applying Nitragin brand Soybean Soil Implant down the seed tube during seeding. Three replications of every entry were harvested.

SDSU Soybean Traits Evaluated

—All Entries—

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.

Reporting variety maturity: The maturity of all varieties tested at Watertown, Brookings, and Beresford is reported as "Days after seeding." Entries are considered mature when

95% of the pods have turned brown. The maturity value of each entry is 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. Therefore, no maturity value is given.

Height: Height was measured from the soil surface to the top node of the main stem and reported in inches.

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 Phtophthora races was supplied by the participating seed company (proprietary entries) or obtained from the USDA, Uniform Soybean Tests, or Northern States (public entries). A key to Phytophthora gene resistance and the race resistance of each gene is indicated in Table B. The 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 the most common races in South Dakota.

Regional Soybean Traits

—Public Entries—

Evaluations of public soybean variety characteristics conducted by regional universities and USDA are reported in the Uniform Soybean Test and northern states (Table A).

Evaluations and locations include emergence (Ames, I.A.), shattering (Manhattan, K.S.), and iron chlorosis (Rosemount, M.N.—Group 0, Waseca, M.N.—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^o F (a critical temperature for differentiating strains). Scores include 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 slow emergence. It does not mean the variety is inferior.

Shattering: Indicates percentage of pods that had opened and shattered 2 weeks after maturity. Scores include 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, and scores range from 1 = little or no yellowing, 3 = moderate yellowing, to 5 = severe yellowing.

PERFORMANCE TRIAL RESULTS

Conventional Soybean Varieties

Note: Yields are three-year (1999-01), two-year (2000-01), or one-year (2001).

WATERTOWN (NE RESEARCH FARM):

Group- 0 (Table 1): Varieties had to average at least 40 bushels (three-year), 36 bushels (two-year), or 37 bushels per acre (one-year) to be in the top-yield group. The top-yield groups for the three-year, two-year, and one-year data include 7, 9, and 12 entries, respectively.

Group- I (Table 2): Varieties had to average at least 42 bushels (three-year), 34 bushels (two-year), or 36 bushels per acre (one-year) to be in the top-yield group. The top-yield groups for the three-year, two-year, and one-year data include 5, 12, and 8 entries, respectively.

FRANKFORT, NO-TILL TRIAL:

Group- 0 (Table 3): Varieties had to average at least 50 bushels (three-year), 49 bushels (two-year), or 43 bushels per acre (one-year) to be in the top-yield group. The top-yield groups for the three-year, two-year, and one-year data include 4, 8, and 8 entries, respectively.

Group- I (Table 4): Varieties had to average at least 56 bushels (three-year), 50 bushels (two-year), or 49 bushels per acre (one-year) to be in the top-yield group. The top-yield groups for the three-year, two-year, and one-year data include 1, 11, and 7 entries, respectively.

BROOKINGS (SDSU AGRONOMY FARM):

Group- 0 (Table 5): Varieties had to average at least 42 bushels (three-year), 37 bushels (two-year), or 39 bushels per acre (one-year) to be in the top-yield group. The top-yield groups for the three-year, two-year, and one-year data include 3, 5, and 7 entries, respectively.

Group- I (Table 6): Varieties had to average at least 47 bushels (three-year), 40 bushels (two-year), or 36 bushels per acre (one-year) to be in the top-yield group. The top-yield groups for the three-year, two-year, and one-year data include 5, 21, and 24 entries, respectively.

Group- II (Table 7): Varieties had to average at least 46 bushels (three-year), 38 bushels (two-year), or 7 bushels per acre (one-year) to be in the top-yield group. The top-yield groups for the three-year, two-year, and one-year data include 12, 16, and 9 entries, respectively.

ARMOUR, NO-TILL TRIAL:

Group- I (Table 8): Varieties had to average at least 48 bushels (three-year), 48 bushels (two-year), or 52 bushels

per acre (one-year) to be in the top-yield group. The top-yield groups for the three-year, two-year, and one-year data include 4, 11, and 15 entries, respectively.

Group- II (Table 9): Varieties had to average at least 50 bushels (three-year), 52 bushels (two-year), or 46 bushels per acre (one-year) to be in the top-yield group. The top-yield groups for the three-year, two-year, and one-year data include 5, 5, and 24 entries, respectively.

BERESFORD (SE RESEARCH FARM):

Group- I (Table 10): Varieties had to average at least 50 bushels (three-year), 53 bushels (two-year), or 54 bushels per acre (one-year) to be in the top-yield group. The top-yield groups for the three-year, two-year, and one-year data include 3, 7, and 7 entries, respectively.

Group- II (Table 11): Varieties had to average at least 50 bushels (three-year), 54 bushels (two-year), or 57 bushels per acre (one-year) to be in the top-yield group. The top-yield groups for the three-year, two-year, and one-year data include 10, 18, and 14 entries, respectively.

Roundup Ready Soybean Variety

Note: Yields are three-year (1999-01), two-year (2000-01), or one-year (2001).

WATERTOWN (NE RESEARCH FARM):

Group- 0 (Table 12): There were no significant yield differences among the varieties tested for three years. Varieties had to average at least 36 bushels (two-year) or 36 bushels per acre (one-year) to be in the top-yield group. The top-yield groups for the two-year and one-year data include 18 and 27 entries, respectively.

Group- I (Table 13): There were no significant yield differences among the varieties tested for three years. Varieties had to average at least 35 bushels (two-year) or 36 bushels per acre (one-year) to be in the top-yield group. The top-yield groups for the two-year and one-year data include 14 and 10 entries, respectively.

FRANKFORT, NO-TILL TRIAL:

Group- 0 (Table 14): This is the first year for testing Roundup-Ready entries at this location. Varieties had to average at least 41 bushels per acre to be in the top-yield group that includes 14 entries.

Group- I (Table 15): This is the first year for testing

Roundup-Ready entries at this location. Varieties had to average at least 46 bushels per acre to be in the top-yield group that includes 32 entries.

BROOKINGS (SDSU AGRONOMY FARM):

Group- 0 (Table 16): There were no significant yield differences among the varieties tested for three years. Varieties had to average at least 48 bushels (two-year) or 39 bushels per acre (one-year) to be in the top-yield group. The top-yield groups for the two-year and one-year data include 13 and 17 entries, respectively.

Group- I (Table 17): Varieties had to average at least 48 bushels (three-year), 47 bushels (two-year), or 43 bushels per acre (one-year) to be in the top-yield group. The top-yield groups for the three-year, two-year, and one-year data include 7, 6, and 7 entries, respectively.

Group- II (Table 18. This is the first year for testing maturity group-II Roundup-Ready entries at this location. Varieties had to average at least 42 bushels per acre to be in the top-yield group that includes 43 entries.

ARMOUR, NO-TILL TRIAL:

Group- I (Table 19): There were no significant yield differences among the varieties tested for either three years or two years. Varieties had to average at least 42 bushels this year (one-year) to be in the top-yield group. The top-yield group for this year (one-year data) includes 20 entries.

Group- II (Table 20): There were no significant yield differences among the varieties tested for either three years or two years. Varieties had to average at least 47 bushels this year (one-year) to be in the top-yield group. The top-yield group for this year (one-year data) includes 56 entries.

BERESFORD (SE RESEARCH FARM):

Group- I (Table 21): There were no significant yield differences among the varieties tested for three years. Varieties had to average at least 52 bushels (two-year) or 54 bushels per acre (one-year) to be in the top-yield group. The top-yield groups for the two-year and one-year data include 9 and 17 entries, respectively.

Group- II (Table 22): There were no significant yield differences among the varieties tested for three years. Varieties had to average at least 55 bushels (two-year) or 56 bushels per acre (one-year) to be in the top-yield group. The top-yield groups for the two-year and one-year data include 17 and 35 entries, respectively.

Table A. Traits of public soybean varieties, data from uniform soybean tests—northern states.

Variety	Emergence	Shattering	Iron Chlorosis
Bell	5	3	1.5
Dawson	1	1	1.6
Hendricks	1	1	1.1
IA2021	2	1	4.1
Lambert	2	-	1.0
McCall	1	1	2.8
MN0901	3	2	3.7
Parker	5	-	-
Stride	1	1	3.6
Sturdy	5	1	3.0
Surge	1	1	2.4
Turner SCN	1	2	3.0

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. Source and genes for resistance to various races of *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

Table C. 2001 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	ASGROW/A2553	11	II	1-11,13-15,17-18,21-22,24
2	ASGROW/A2824	11	II	1-11,13-15,17-18,21-22,24
3	COYOTE/9519	6,8	I	1-11,13-15,17-18,21-22,24
4	COYOTE/9123	9,11	II	1-2,10-11,13,15-18,24
5	COYOTE/9525	9,11	II	Unknown or Not Reported
6	COYOTE/EX723	9,11	II	1-2,10-11,13,15-18,24
7	MUSTANG/M-2200	7	II	No Resistance
8	MUSTANG/M-0700	1	0	1-2,10-11,13,15-18,24
9	MUSTANG/M-0958	1	0	No Resistance
10	MUSTANG/M-1138	2,4,6	I	No Resistance
11	MUSTANG/M-2218	7,9,11	II	No Resistance
12	MUSTANG/M-2251	9,11	II	No Resistance
13	MUSTANG/M-1172	2,4,6	I	No Resistance
14	MUSTANG/M-2252	9,11	II	No Resistance
15	MUSTANG/MP 08	1	0	1-11,13-15,17-18,21-22,24
16	MUSTANG/E-0800	1	0	No Resistance
17	DEKALB/DKB23-73	7	II	No Resistance
18	SANDS/SOI 169	8,10	I	Unknown or Not Reported
19	SANDS/SOI 222	6,8,10	I	Unknown or Not Reported
20	SANDS/SOI 144	6	I	Unknown or Not Reported
21	SANDS/SOI 280	9,11	II	Unknown or Not Reported
22	SANDS/SOI 236	7,11	II	Unknown or Not Reported
23	SANDS/SOI 202	6,8	I	Unknown or Not Reported
24	SANDS/SOI 288	9,11	II	Unknown or Not Reported
25	SANDS/SOI 240	7,9,11	II	Unknown or Not Reported
26	KRUGER/K-2535+	7,9	II	No Resistance
27	KRUGER/K-0999+	1,3,5	0	No Resistance
28	KRUGER/K-1333+	1,3,5	0	No Resistance
29	KRUGER/K-2425	7,9,11	II	No Resistance
30	KRUGER/K-2525+	7,9	II	1-2,10-11,13,15-18,24
31	KRUGER/K-1606	2,4,6,8	I	1-2,10-11,13,15-18,24
32	KRUGER/K-2444	9	II	1-2,10-11,13,15-18,24
33	KRUGER/K-2555	7,9	II	1-2,10-11,13,15-18,24
34	KRUGER/K-1515	2,4,6,8	I	No Resistance
35	KRUGER/K-1991	2,4,6,8,10	I	1-2,10-11,13,15-18,24
36	KRUGER/K-1919	2,4,6,8,10	I	No Resistance
37	KRUGER/K-0999A	3	0	No Resistance
38	KRUGER/K-1909	2,4,6,8,10	I	No Resistance
39	KRUGER/K-2343A	4,6,8,10	I	No Resistance
40	KRUGER/K-2313	7,9,11	II	1-2,10-11,13,15-18,24
41	KRUGER/K-2424	7,9,11	II	No Resistance
42	KRUGER/K-2717	7,9,11	II	No Resistance
43	KRUGER/K-2929	11	II	No Resistance
44	KRUGER/K-0707	1,3,5	0	No Resistance
45	KRUGER/K-1111	1,3,5	0	No Resistance
46	KRUGER/K-1313	1,3,5	0	No Resistance
47	KRUGER/K-1808	2,4	I	No Resistance
48	KRUGER/K-1809	2,4,6,8,10	I	1-2,10-11,13,15-18,24
49	KRUGER/K-1818	2,4,6,8,10	I	No Resistance
50	KRUGER/K-1888	2,4,6	I	1-11,13-15,17-18,21-22,24
51	LATHAM/250 Brand	8	I	No Resistance
52	LATHAM/392 Brand	6,8,10	I	No Resistance
53	LATHAM/640 Brand	7	II	No Resistance
54	LATHAM/140 Brand	6	I	No Resistance
55	LATHAM/830 Brand	7	II	No Resistance
56	LATHAM/EX-290	8,10	I	No Resistance
57	LATHAM/EX-570	9	II	No Resistance
58	LATHAM/530 Brand	11	II	No Resistance
59	LATHAM/690 Brand	9,11	II	No Resistance
60	LATHAM/EX-940	9,11	II	No Resistance

Table C. 2001 conventional soybean entries (continued)

No.	Brand / Variety	Table Number(s)	Mat. Grp.	Phytophthora Race resistance
61	GOLD COUNTRY/WINDSOR	1	0	1-3,6-11,13,15,17,21,23-24
62	GOLD COUNTRY/BISCAY	2,4,6	I	No Resistance
63	GOLD COUNTRY/CLEMENTS	7,9	II	No Resistance
64	GOLD COUNTRY/X2125	9,11	II	No Resistance
65	TOP FARM/TF6077	1,3	0	1-3,6-11,13,15,17,21,23-24
66	TOP FARM/TF6197	2,6	I	No Resistance
67	TOP FARM/TF6101	1,3	0	1-3,6-11,13,15,17,21,23-24
68	TOP FARM/TF6161	2,4,6	I	1-3,6-11,13,15,17,21,23-24
69	TOP FARM/E5051	1,3	0	1-11,13-15,17-18,21-22,24
70	STINE/1386-6	2	I	Unknown or Not Reported
71	STINE/2490-1	11	II	No Resistance
72	STINE/1706-0	4,6	I	No Resistance
73	PRAIRIE BR./PB202	7,9,11	II	No Resistance
74	PRAIRIE BR./PB194	2,6	I	No Resistance
75	PRAIRIE BR./PB146	6	I	No Resistance
76	PRAIRIE BR./PB174	6	I	No Resistance
77	PRAIRIE BR./PB218	7,9,11	II	No Resistance
78	PRAIRIE BR./PB237-1	9,11	II	No Resistance
79	PRAIRIE BR./PB217	7,9,11	II	No Resistance
80	PRAIRIE BR./PB230	7,9,11	II	1-2,10-11,13,15-18,24
81	PRAIRIE BR./PB256	9,11	II	1-2,10-11,13,15-18,24
82	PRAIRIE BR./PB171	2,4,6,8,10	I	No Resistance
83	PRAIRIE BR./PB172	2,4,6,8,10	I	No Resistance
84	PRAIRIE BR./PB278	11	II	No Resistance
85	PRAIRIE BR./PB241	9,11	II	No Resistance
86	KAUP KS/2474	9,11	II	No Resistance
87	KAUP KS/2275	7	II	No Resistance
88	JACOBSEN/J750	4,6,8,10	I	Unknown or Not Reported
89	JACOBSEN/J772	4,8	I	Unknown or Not Reported
90	JACOBSEN/J815	9,11	II	Unknown or Not Reported
91	JACOBSEN/J EXP 826	9,11	II	Unknown or Not Reported
92	US SEEDS/US S199	2,6	I	No Resistance
93	US SEEDS/US S250	9	II	No Resistance
94	US SEEDS/US E131	2	I	No Resistance
95	US SEEDS/US S271	11	II	No Resistance
96	LG SEEDS/C 9148	2,4	I	No Resistance
97	LG SEEDS/C 1922	8	I	No Resistance
98	THOMPSON/T-3222	7,11	II	Unknown or Not Reported
99	THOMPSON/T-3182	6,10	I	Unknown or Not Reported
100	THOMPSON/T-3201	10	I	Unknown or Not Reported
101	THOMPSON/T-3231	11	II	Unknown or Not Reported
102	THOMPSON/T-3244	11	II	Unknown or Not Reported
103	THOMPSON/EX3211	6,10	I	Unknown or Not Reported
104	PUBLIC/DAWSON	1,3,5	0	1-2,10-11,13,15-18,24
105	PUBLIC/HENDRICKS	1,3,5	0	1-2,10-11,13,15-18,24
106	PUBLIC/LAMBERT	1,3,5	0	1-2,10-11,13,15-18,24
107	PUBLIC/MCCALL,00-CK*	1,3,5	00	No Resistance
108	PUBLIC/MN 0901	1,3,5	0	1-2,10-11,13,15-18,24
109	PUBLIC/SURGE,0-CK*	1-6,8,10	0	1-2,10-11,13,15-18,24
110	PUBLIC/BELL-SCN	2,4,6,8,10	I	No Resistance
111	PUBLIC/PARKER,I-CK*	1-11	I	1-2,10-11,13,15-18,24
112	PUBLIC/STRIDE	2,4,6,8,10	I	1-2,10-11,13,15-18,24
113	PUBLIC/IA2021	7,9,11	II	1-11,13-15,17-18,21-22,24
114	PUBLIC/JACK,III-CK*	7,9,11	III	No Resistance
115	PUBLIC/STURDY,II-CK*	2,4,6-11	II	1-2,10-11,13,15-18,24
116	PUBLIC/TURNER-SCN	7,9,11	I	1-3,6-11,13,15,17,21,23-24

Table D. 2001 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	12,14,16	0	1-11,13-15,17-18,21-22,24
2	ASGROW/AG1301	13,15,17	I	1-2,10-11,13,15-18,24
3	ASGROW/AG1602	13,15,17,19,21	I	1-11,13-15,17-18,21-22,24
4	ASGROW/AG2102	18,20	II	1-11,13-15,17-18,21-22,24
5	ASGROW/AG2302	18,20,22	II	1-11,13-15,17-18,21-22,24
6	ASGROW/AG2703	20,22	II	1-11,13-15,17-18,21-22,24
7	ASGROW/AG2202	18,20	II	1-11,13-15,17-18,21-22,24
8	ASGROW/AG2402	20,22	II	1-11,13-15,17-18,21-22,24
9	ASGROW/AG2905	22	II	1-3,6-11,13,15,17,21,23-24
10	COYOTE/9419RR	17,19	I	No Resistance
11	COYOTE/9425RR	20,22	II	Resistant & Susceptible Plants
12	COYOTE/9626RR	20,22	II	1-11,13-15,17-18,21-22,24
13	MUSTANG/M-199RR	17,19,21	I	No Resistance
14	MUSTANG/M-079RR	12	0	1-11,13-15,17-18,21-22,24
15	MUSTANG/M-091RR	12,14,16	0	No Resistance
16	MUSTANG/M-151RR	13,15,17	I	1-3,6-11,13,15,17,21,23-24
17	MUSTANG/M-271RR	20,22	II	1-11,13-15,17-18,21-22,24
18	MUSTANG/M-222RR	18,20,22	II	No Resistance
19	MUSTANG/M-082RR	12,16	0	1-11,13-15,17-18,21-22,24
20	MUSTANG/M-132RR	13,15,17	I	No Resistance
21	MUSTANG/M-142RR	13	I	1-11,13-15,17-18,21-22,24
22	MUSTANG/M-152RR	13,15,17	I	No Resistance
23	MUSTANG/M-242RR	20,22	II	No Resistance
24	MUSTANG/M-272RR	20,22	II	1-11,13-15,17-18,21-22,24
25	MUSTANG/M-051RR	12	0	No Resistance
26	MUSTANG/M-052RR	12	0	1-11,13-15,17-18,21-22,24
27	MUSTANG/M-093RR	12,16	0	1-2,10-11,13,15-18,24
28	MUSTANG/M-101RR	13	I	1-3,6-11,13,15,17,21,23-24
29	MUSTANG/M-171RR	13,15,17	I	1-11,13-15,17-18,21-22,24
30	MUSTANG/M-201RR	18,20,22	II	1-11,13-15,17-18,21-22,24
31	MUSTANG/M-211RR	18,20,22	II	1-11,13-15,17-18,21-22,24
32	MUSTANG/M-223NRR	18,20,22	II	1-3,6-11,13,15,17,21,23-24
33	MUSTANG/M-230RR	18,20,22	II	1-2,10-11,13,15-18,24
34	MUSTANG/M-241RR	18,20,22	II	No Resistance
35	MUSTANG/M-261RR	20,22	II	No Resistance
36	MUSTANG/M-280RR	20,22	II	1-11,13-15,17-18,21-22,24
37	MALLARD/RR1011	13,17	I	1-3,6-11,13,15,17,21,23-24
38	MALLARD/RR1511	13,17	I	No Resistance
39	MALLARD/RRX0912	12,16	0	1-2,10-11,13,15-18,24
40	MALLARD/RRX1312	13,17	I	No Resistance
41	MALLARD/RRX2111	18,22	II	1-11,13-15,17-18,21-22,24
42	MALLARD/RR2312	18,22	II	1-11,13-15,17-18,21-22,24
43	PIONEER/93B01	20,22	II	1-11,13-15,17-18,21-22,24
44	PIONEER/92B36	18,20,22	II	No Resistance
45	PIONEER/91B64	13,15,17	I	1-3,6-11,13,15,17,21,23-24
46	PIONEER/90B93	13,15	I	1-3,6-11,13,15,17,21,23-24
47	DEKALB/DKB16-51	13,15,17	I	No Resistance
48	DEKALB/DKB19-51	13,15,17,19,21	I	1-11,13-15,17-18,21-22,24
49	DEKALB/DKB23-51	18,22	II	1-2,10-11,13,15-18,24
50	DEKALB/DKB26-51	20	II	1-11,13-15,17-18,21-22,24
51	DEKALB/DKB28-51	20,22	II	1-11,13-15,17-18,21-22,24
52	DEKALB/DKB26-52	22	II	1-2,10-11,13,15-18,24
53	DEKALB/DKB09-51	12,14,16	0	1-11,13-15,17-18,21-22,24
54	DEKALB/DKB10-51	12,14,16	0	1-3,6-11,13,15,17,21,23-24
56	SANDS/SOI 0909RR	12,16	0	No Resistance
57	SANDS/SOI 1515RR	17,19	I	No Resistance
58	SANDS/SOI 1800RR	19,21	I	1-11,13-15,17-18,21-22,24
59	SANDS/SOI 226RR	20,22	II	No Resistance
60	SANDS/SOI 271RR	20,22	II	1-11,13-15,17-18,21-22,24

Table D. 2001 Roundup Ready soybean entries (continued)

No.	Brand / Variety	Table Number(s)	Mat. Grp.	Phytophthora Race resistance
61	SANDS/SOI 2526RR	20,22	II	1-11,13-15,17-18,21-22,24
62	SANDS/SOI 0820RR	12,16	0	1-11,13-15,17-18,21-22,24
63	SANDS/SOI 2792RR	20,22	II	1-11,13-15,17-18,21-22,24
64	SANDS/SOI 2802RR	20,22	II	1-11,13-15,17-18,21-22,24
65	SANDS/SOI 2459RR	20,22	II	No Resistance
66	SANDS/SOI 174RR	17,19,21	I	1-3,6-11,13,15,17,21,23-24
67	SANDS/SOI 2959RR	20,22	II	1-2,10-11,13,15-18,24
68	SANDS/SOI 2401RR	18,20,22	II	No Resistance
69	SANDS/SOI 2601RR	20,22	II	No Resistance
70	SANDS/SOI 140RR	13,17	I	1-11,13-15,17-18,21-22,24
71	HY-VIGOR/2063RR	17,21	I	Unknown or Not Reported
72	HY-VIGOR/266RR	22	II	1-11,13-15,17-18,21-22,24
73	HY-VIGOR/H-174RR	13,17	I	Unknown or Not Reported
74	HY-VIGOR/H-244RR	18,20	II	1-11,13-15,17-18,21-22,24
75	HY-VIGOR/2431RR	22	II	Unknown or Not Reported
76	HY-VIGOR/216RR	22	II	Unknown or Not Reported
77	HY-VIGOR/299XRR	22	II	1-2,10-11,13,15-18,24
78	KRUGER/K-099+RR	12,14,16	0	No Resistance
79	KRUGER/K-250RR	18,20,22	II	No Resistance
80	KRUGER/K-099ARR	16	0	No Resistance
81	KRUGER/K-090RR	12,14,16	0	1-3,6-11,13,15,17,21,23-24
82	KRUGER/K-180RR	13	I	1-11,13-15,17-18,21-22,24
83	KRUGER/K-202+RR	19	I	No Resistance
84	KRUGER/K-222+RR	13,15,17	I	No Resistance
85	KRUGER/K-232-1RR	21	I	No Resistance
86	KRUGER/K-240RR	18,22	II	No Resistance
87	KRUGER/K-133RR	12,14,16	0	No Resistance
88	KRUGER/K-166RR	13,15,17,21	I	1-3,6-11,13,15,17,21,23-24
89	KRUGER/K-177RR	17	I	1-11,13-15,17-18,21-22,24
90	KRUGER/K-199+RR	21	I	1-2,10-11,13,15-18,24
91	KRUGER/K-211ARR	13,15,17,19,21	I	1-2,10-11,13,15-18,24
92	KRUGER/K-221+RR	21	I	1-11,13-15,17-18,21-22,24
93	KRUGER/K-222RR	19,21	I	No Resistance
94	KRUGER/K-244RR	20	II	1-11,13-15,17-18,21-22,24
95	KRUGER/K-252+RR	18,22	II	No Resistance
96	KRUGER/K-269RR	22	II	1-11,13-15,17-18,21-22,24
97	KRUGER/K-262+RR	20	II	No Resistance
98	KRUGER/K-279RR	18,20,22	II	1-11,13-15,17-18,21-22,24
99	KRUGER/K-088RR	12,14	0	No Resistance
100	KRUGER/K-077-1RR	12,14	0	1-11,13-15,17-18,21-22,24
101	KRUGER/K-077-2RR	12,14	0	No Resistance
102	KRUGER/K-080-1RR	12,14	0	1-2,10-11,13,15-18,24
103	KRUGER/K-091-1RR	12,14,16	0	No Resistance
104	KRUGER/K-121RR	12,14,16	0	No Resistance
105	KRUGER/K-122RR	12,14,16	0	No Resistance
106	KRUGER/K-155RR	13,15,17	I	No Resistance
107	KRUGER/K-151-1RR	13,15,17,21	I	1-11,13-15,17-18,21-22,24
108	KRUGER/K-151RR	13,15,17	I	No Resistance
109	KRUGER/K-161RR	13,15,17,19,21	I	1-11,13-15,17-18,21-22,24
110	KRUGER/K-181RR	13,15,17,19,21	I	1-11,13-15,17-18,21-22,24
111	KRUGER/K-202-1RR	13,15,17,19,21	I	No Resistance
112	KRUGER/K-221RR	13,15,17,19,21	I	1-11,13-15,17-18,21-22,24
113	KRUGER/K-221-1RR	18,20,22	II	1-11,13-15,17-18,21-22,24
114	KRUGER/K-202-2RR	17,19,21	I	1-11,13-15,17-18,21-22,24
115	KRUGER/K-212RR	13,15,17,19,21	I	1-11,13-15,17-18,21-22,24
116	KRUGER/K-212-2RR	13,15,17,19,21	I	1-11,13-15,17-18,21-22,24
117	KRUGER/K-232-2RR	13,15,19	I	No Resistance
118	KRUGER/K-220RR	18,20	II	No Resistance
119	KRUGER/K-250-1RR	18,20,22	II	No Resistance
120	KRUGER/K-252-2RR	18,20,22	II	1-11,13-15,17-18,21-22,24

Table D. 2001 Roundup Ready soybean entries (continued)

No.	Brand / Variety	Table Number(s)	Mat. Grp.	Phytophthora Race resistance
121	KRUGER/K-252-3RR	18, 20, 22	II	1-11,13-15,17-18,21-22,24
122	KRUGER/K-255-5RR	18, 20, 22	II	1-11,13-15,17-18,21-22,24
123	KRUGER/K-253-3RR	18, 20, 22	II	1-11,13-15,17-18,21-22,24
124	KRUGER/K-254RR	18, 22	II	1-11,13-15,17-18,21-22,24
125	KRUGER/K-255RR	18, 20, 22	II	No Resistance
126	KRUGER/K-262-2RR	18, 20, 22	II	1-11,13-15,17-18,21-22,24
127	KRUGER/K-272RR	18, 20, 22	II	No Resistance
128	KRUGER/K-272-2RR	18, 20, 22	II	No Resistance
129	KRUGER/K-280RR	18, 22	II	No Resistance
130	KRUGER/K-282-2RR	18, 20, 22	II	1-11,13-15,17-18,21-22,24
131	KRUGER/K-286RR	18, 20, 22	II	No Resistance
132	KRUGER/K-288-8RR	18, 20, 22	II	No Resistance
133	KRUGER/K-283RR	18, 20, 22	II	No Resistance
134	LATHAM/457RR	18, 20	II	No Resistance
135	LATHAM/757RR	22	II	No Resistance
136	LATHAM/EX-137RR	17	I	No Resistance
137	LATHAM/507RR	18	II	No Resistance
138	LATHAM/EX-067RR	12	0	No Resistance
139	LATHAM/EX-077RR	12	0	1-11,13-15,17-18,21-22,24
140	LATHAM/EX-087RR	12	0	1-2,10-11,13,15-18,24
141	LATHAM/EX-097RR	12	0	1-11,13-15,17-18,21-22,24
142	LATHAM/EX-107RR	12	0	1-11,13-15,17-18,21-22,24
143	LATHAM/EX-217RR	17	I	1-11,13-15,17-18,21-22,24
144	LATHAM/EX-267RR	17	I	1-11,13-15,17-18,21-22,24
145	LATHAM/EX-417RR	17, 21	I	No Resistance
146	LATHAM/EX-397RR	22	II	1-11,13-15,17-18,21-22,24
147	LATHAM/EX-427RR	22	II	1-11,13-15,17-18,21-22,24
148	LATHAM/EX-647RR	18, 22	II	1-11,13-15,17-18,21-22,24
149	LATHAM/EX-657RR	22	II	No Resistance
150	LATHAM/EX-747RR	22	II	1-3,6-11,13,15,17,21,23-24
151	LATHAM/EX-787RR	22	II	1-11,13-15,17-18,21-22,24
152	LATHAM/727RR	22	II	1-11,13-15,17-18,21-22,24
153	LATHAM/EX-867RR	20, 22	II	No Resistance
154	LATHAM/EX-917RR	22	II	No Resistance
155	LATHAM/EX-927RR	20, 22	II	1-11,13-15,17-18,21-22,24
156	GOLD COUNTRY/6016RR	13, 15, 17	I	1-3,6-11,13,15,17,21,23-24
157	GOLD COUNTRY/2109RR	12	0	No Resistance
158	GOLD COUNTRY/2110RR	12, 14	0	1-3,6-11,13,15,17,21,23-24
159	GOLD COUNTRY/1122RR	18	II	No Resistance
160	GOLD COUNTRY/6117RR	15, 17, 19	I	No Resistance
161	GOLD COUNTRY/6208RR	12	0	1-11,13-15,17-18,21-22,24
162	GOLD COUNTRY/2124RR	20	II	1-11,13-15,17-18,21-22,24
163	GOLD COUNTRY/2221RR	18	II	1-11,13-15,17-18,21-22,24
164	GOLD COUNTRY/2213RR	13, 15	I	No Resistance
165	GOLD COUNTRY/EXP-328RR	20, 22	II	1-11,13-15,17-18,21-22,24
166	GOLD COUNTRY/6224RR	20	II	1-11,13-15,17-18,21-22,24
167	GOLD COUNTRY/4107RR	12, 14	0	1-11,13-15,17-18,21-22,24
168	DAIRYLAND/DSR-215/RR	17	I	No Resistance
169	DAIRYLAND/DSR-241/RR	20	II	1-11,13-15,17-18,21-22,24
170	DAIRYLAND/DSR-197/RR	17	I	No Resistance
171	DAIRYLAND/DSR-130/RR	13, 15, 17	I	No Resistance
172	DAIRYLAND/DSR-228/RR	20, 22	II	No Resistance
173	DAIRYLAND/DST1114RR	12, 14, 16	0	1-11,13-15,17-18,21-22,24
174	DAIRYLAND/DSR-101/RR	12, 14, 16	0	No Resistance
175	DAIRYLAND/DSR-151/RR	13, 15, 17	I	No Resistance
176	DAIRYLAND/DSR-181/RR	13, 15, 17	I	No Resistance
177	DAIRYLAND/DSR-221/RR	18, 20, 22	II	No Resistance
178	DAIRYLAND/DST2129/RR	20, 22	II	No Resistance
179	TOP FARM/TF6179RR	13, 17	I	1-11,13-15,17-18,21-22,24
180	TOP FARM/TF6149RR	13, 15, 17	I	1-11,13-15,17-18,21-22,24

Table D. Roundup Ready soybean entries (continued)

No.	Brand / Variety	Table Number(s)	Mat. Grp.	Phytophthora Race resistance
181	TOP FARM/E1971RR	13,17,21	I	No Resistance
182	TOP FARM/E3211RR	18,20,22	II	1-11,13-15,17-18,21-22,24
183	TOP FARM/E3231RR	20,22	II	1-11,13-15,17-18,21-22,24
184	TOP FARM/E2401RR	18,20,22	II	No Resistance
185	TOP FARM/E2431RR	20,22	II	1-11,13-15,17-18,21-22,24
186	TOP FARM/E1901RR	13,17,21	I	1-11,13-15,17-18,21-22,24
187	TOP FARM/E1701RR	15,17,21	I	1-11,13-15,17-18,21-22,24
188	KALTENBERG/KB150RR	17	I	No Resistance
189	KALTENBERG/KB261RR	22	II	1-11,13-15,17-18,21-22,24
190	KALTENBERG/KB183RR	17,19	I	No Resistance
191	KALTENBERG/KB172RR	19	I	1-11,13-15,17-18,21-22,24
192	KALTENBERG/KB250NRR	22	II	No Resistance
193	STINE/0990-4	12,16	0	No Resistance
194	STINE/0700-4	12	0	No Resistance
195	STINE/0806-4	12	0	1-2,10-11,13,15-18,24
196	STINE/1303-4	13,17	I	1-11,13-15,17-18,21-22,24
197	STINE/1306-4	17	I	No Resistance
198	STINE/1708-4	17	I	1-11,13-15,17-18,21-22,24
199	STINE/1918-4	20	II	1-11,13-15,17-18,21-22,24
200	STINE/2103-4	20,22	II	1-11,13-15,17-18,21-22,24
201	STINE/2136-4	20,22	II	1-11,13-15,17-18,21-22,24
202	HOEGEMEYER/241RR	20,22	II	1-11,13-15,17-18,21-22,24
203	HOEGEMEYER/230RR	20,22	II	Unknown or Not Reported
204	HOEGEMEYER/2111RR	20	II	1-11,13-15,17-18,21-22,24
205	HOEGEMEYER/2222RR	20,22	II	Unknown or Not Reported
206	HOEGEMEYER/270RR	22	II	1-11,13-15,17-18,21-22,24
207	GOLDEN HARVEST/H0979RR	12,14,16	0	1-2,10-11,13,15-18,24
208	GOLDEN HARVEST/H1565RR	13,15,17	I	1-3,6-11,13,15,17,21,23-24
209	GOLDEN HARVEST/H2304RR	20,22	II	1-2,10-11,13,15-18,24
210	GOLDEN HARVEST/H2888RR	20,22	II	1-11,13-15,17-18,21-22,24
211	PRAIRIE BRAND/PB0920RR	12,14,16	0	No Resistance
212	PRAIRIE BRAND/PB1030RR	12,14,16	0	1-3,6-11,13,15,17,21,23-24
213	PRAIRIE BRAND/PB1620RR	13,15,17	I	1-3,6-11,13,15,17,21,23-24
214	PRAIRIE BRAND/PB2297RR	18,20,22	II	No Resistance
215	PRAIRIE BRAND/PB2397RR	18,20,22	II	No Resistance
216	PRAIRIE BRAND/PB2717RR	20,22	II	1-11,13-15,17-18,21-22,24
217	PRAIRIE BRAND/PB0550RR	12,14	0	1-11,13-15,17-18,21-22,24
218	PRAIRIE BRAND/PB0810RR	12,14	0	1-11,13-15,17-18,21-22,24
219	PRAIRIE BRAND/PB1246RR	13,15,17	I	No Resistance
220	PRAIRIE BRAND/PB1540RR	13,15,17	I	No Resistance
221	PRAIRIE BRAND/PB2117RR	18,20,22	II	No Resistance
222	PRAIRIE BRAND/PB2730RR	22	II	1-11,13-15,17-18,21-22,24
223	PRAIRIE BRAND/PB0561RR	12,14	0	No Resistance
224	PRAIRIE BRAND/PB0621RR	12,14	0	No Resistance
225	PRAIRIE BRAND/PB0941RR	12,14,16	0	1-11,13-15,17-18,21-22,24
226	PRAIRIE BRAND/PB1241RR	13,15,17	I	1-11,13-15,17-18,21-22,24
227	PRAIRIE BRAND/PB1521RR	13,15,17	I	1-11,13-15,17-18,21-22,24
228	PRAIRIE BRAND/PB1561RR	13,15,17	I	No Resistance
229	PRAIRIE BRAND/PB1781RR	13,15,17	I	No Resistance
230	PRAIRIE BRAND/PB1701RR	17	I	1-11,13-15,17-18,21-22,24
231	PRAIRIE BRAND/PB1721RR	13,15,17,19	I	1-11,13-15,17-18,21-22,24
232	PRAIRIE BRAND/PB1821RR	17,19,21	I	No Resistance
233	PRAIRIE BRAND/PB1981RR	13,15,17,19,21	I	No Resistance
234	PRAIRIE BRAND/PB1941RR	17,19,21	I	No Resistance
235	PRAIRIE BRAND/PB2131RR	18,20,22	II	1-11,13-15,17-18,21-22,24
236	PRAIRIE BRAND/PB2141RR	18,20,22	II	1-11,13-15,17-18,21-22,24
237	PRAIRIE BRAND/PB2181RR	18,20,22	II	1-11,13-15,17-18,21-22,24
238	PRAIRIE BRAND/PB2261RR	18,20,22	II	1-11,13-15,17-18,21-22,24
239	PRAIRIE BRAND/PB2441RR	20,22	II	No Resistance

Table D. 2001 Roundup Ready entries (continued)

No.	Brand / Variety	Table Number(s)	Mat. Grp.	Phytophthora Race resistance
240	PRAIRIE BRAND/PB2421RR	20,22	II	1-11,13-15,17-18,21-22,24
241	PRAIRIE BRAND/PB2431RR	20,22	II	1-11,13-15,17-18,21-22,24
242	PRAIRIE BRAND/PB2481RR	20,22	II	No Resistance
243	PRAIRIE BRAND/PB2541RR	20,22	II	No Resistance
244	PRAIRIE BRAND/PB2621RR	20,22	II	No Resistance
245	PRAIRIE BRAND/PB2633RR	22	II	1-11,13-15,17-18,21-22,24
246	PRAIRIE BRAND/PB2861RR	20,22	II	No Resistance
247	PRAIRIE BRAND/PB2841RR	20,22	II	1-11,13-15,17-18,21-22,24
248	PRAIRIE BRAND/PB2821RR	20,22	II	No Resistance
249	PROFISEED/PS 4206RR	21	I	No Resistance
250	PROFISEED/PS 4242RR	20,22	II	No Resistance
251	PROFISEED/PS 4262RR	20,22	II	No Resistance
252	PROFISEED/PS 4212RR	17,19,21	I	1-11,13-15,17-18,21-22,24
253	PROFISEED/PS X425RR	20,22	II	1-11,13-15,17-18,21-22,24
254	PROFISEED/PS 4192RR	19,21	I	No Resistance
255	PROFISEED/PS 4211RR	20,22	II	No Resistance
256	PROFISEED/PS 4240RR	20,22	II	1-11,13-15,17-18,21-22,24
257	GREAT LAKES/GL2300RR	20,22	II	1-11,13-15,17-18,21-22,24
258	GREAT LAKES/GL1501RR	13,15	I	1-3,6-11,13,15,17,21,23-24
259	GREAT LAKES/GL1709RR	17	I	No Resistance
260	GREAT LAKES/GL1903RR	17	I	No Resistance
261	GREAT LAKES/GL2109RR	18	II	1-3,6-11,13,15,17,21,23-24
262	GREAT LAKES/XP1521RR	18	II	1-11,13-15,17-18,21-22,24
263	GREAT LAKES/GL2200RR	20,22	II	No Resistance
264	GREAT LAKES/GL2419RR	20,22	II	1-3,6-11,13,15,17,21,23-24
265	GREAT LAKES/GL2515RR	20,22	II	1-11,13-15,17-18,21-22,24
266	GREAT LAKES/GL2704RR	22	II	No Resistance
267	GREAT LAKES/XP1527RR	22	II	1-11,13-15,17-18,21-22,24
268	MIDWEST SEED/GR0945	12,14	0	Unknown or Not Reported
269	MIDWEST SEED/GR1710	15,17	I	1-3,6-11,13,15,17,21,23-24
270	MIDWEST SEED/GR1100	13,15	I	Unknown or Not Reported
271	MIDWEST SEED/GR0525	12	0	Unknown or Not Reported
272	MIDWEST SEED/GR1545	15,17	I	Unknown or Not Reported
273	MIDWEST SEED/GR1845	17	I	1-11,13-15,17-18,21-22,24
274	MIDWEST SEED/GR1931	17,19,21	I	1-11,13-15,17-18,21-22,24
275	MIDWEST SEED/GR2132	20,22	II	1-11,13-15,17-18,21-22,24
276	MIDWEST SEED/GR2485	20,22	II	1-11,13-15,17-18,21-22,24
277	MIDWEST SEED/GR2626	20,22	II	1-11,13-15,17-18,21-22,24
278	MIDWEST SEED/GR2645	20	II	1-11,13-15,17-18,21-22,24
279	MIDWEST SEED/GR2631	22	II	1-3,6-11,13,15,17,21,23-24
280	DYNA-GRO/3232RR	20,22	II	Unknown or Not Reported
281	DYNA-GRO/3158RR	17	I	Unknown or Not Reported
282	DYNA-GRO/3223RR	18,20	II	Unknown or Not Reported
283	DYNA-GRO/UAP X383RR	18	II	Unknown or Not Reported
284	DYNA-GRO/3213RR	20,22	II	Unknown or Not Reported
285	DYNA-GRO/3263RR	20,22	II	Unknown or Not Reported
286	DYNA-GRO/3270RR	20	II	Unknown or Not Reported
287	DYNA-GRO/3278RR	22	II	Unknown or Not Reported
288	KAUP/KS 214R	18	II	1-11,13-15,17-18,21-22,24
289	KAUP/KS 237R	20,22	II	No Resistance
290	KAUP/KS 244R	18,20,22	II	No Resistance
291	KAUP/KS 255R	18,20,22	II	1-11,13-15,17-18,21-22,24
292	KAUP/KS 267R	18,20,22	II	1-11,13-15,17-18,21-22,24
293	KAUP/KS 279R	20	II	1-11,13-15,17-18,21-22,24
294	KAUP/KS 284R	22	II	1-11,13-15,17-18,21-22,24
295	ZILLER/BT 7101R	13,17	I	No Resistance
296	ZILLER/BT 7150R	13,17	I	1-3,6-11,13,15,17,21,23-24
297	ZILLER/BT 7191R	17,21	I	No Resistance
298	ZILLER/BT 7211R	22	II	No Resistance
299	JACOBSEN/J790RR	15,19	I	No Resistance
300	JACOBSEN/J792RR	15,21	I	No Resistance

Table D. 2001 Roundup Ready soybean entries (continued)

No.	Brand / Variety	Table Number(s)	Mat. Grp.	Phytophthora Race resistance
301	JACOBSEN/J794RR	20	II	1-11,13-15,17-18,21-22,24
302	JACOBSEN/J702RR	15,17,19,21	I	1-11,13-15,17-18,21-22,24
303	JACOBSEN/J608RR	15	I	1-11,13-15,17-18,21-22,24
304	JACOBSEN/J609RR	17	I	1-11,13-15,17-18,21-22,24
305	JACOBSEN/J801RR	15,17	I	1-2,10-11,13,15-18,24
306	JACOBSEN/J816RR	20,22	II	1-11,13-15,17-18,21-22,24
307	JACOBSEN/J897RR	20,22	II	1-11,13-15,17-18,21-22,24
308	KAYSTAR/K-0960RR	12,14,16	0	1-2,10-11,13,15-18,24
309	WENSMAN/W 2098RR	12	0	No Resistance
310	WENSMAN/W 2100RR	12,14,16	0	1-3,6-11,13,15,17,21,23-24
311	WENSMAN/W 2160RR	13,15,17	I	1-3,6-11,13,15,17,21,23-24
312	WENSMAN/W 2153RR	13,15,17	I	No Resistance
313	WENSMAN/W 2194RR	15,17	I	1-11,13-15,17-18,21-22,24
314	WENSMAN/W 2215RR	18	II	1-11,13-15,17-18,21-22,24
315	WENSMAN/W 2240RR	18	II	1-11,13-15,17-18,21-22,24
316	WENSMAN/W 2131RR	13,15,17	I	No Resistance
317	DEN BESTEN/DB0900RR	12,14,16	0	No Resistance
318	DEN BESTEN/DB2200RR	18,20,22	II	No Resistance
319	DEN BESTEN/DB2899RR	18,20,22	II	1-11,13-15,17-18,21-22,24
320	DEN BESTEN/DB0802RR	12,14,16	0	1-11,13-15,17-18,21-22,24
321	DEN BESTEN/DB1102RR	12,14,16	0	1-11,13-15,17-18,21-22,24
322	DEN BESTEN/DB1202RR	13,15,17	I	1-11,13-15,17-18,21-22,24
323	DEN BESTEN/DB1301RR	13,15,17,19,21	I	1-11,13-15,17-18,21-22,24
324	DEN BESTEN/DB1601RR	13,15,17,19,21	I	No Resistance
325	DEN BESTEN/DB2601RR	18,20,22	II	1-11,13-15,17-18,21-22,24
326	DEN BESTEN/DB1502RR	13,15,17,19,21	I	No Resistance
327	DEN BESTEN/DB1802RR	13,15,17,19,21	I	No Resistance
328	DEN BESTEN/DB1902RR	13,15,17,19,21	I	1-11,13-15,17-18,21-22,24
329	DEN BESTEN/DB2102RR	18,20,22	II	1-11,13-15,17-18,21-22,24
330	DEN BESTEN/DB2301RR	18,20,22	II	No Resistance
331	DEN BESTEN/DB2402RR	18,20,22	II	No Resistance
332	DEN BESTEN/DB2703RR	18,20,22	II	1-11,13-15,17-18,21-22,24
333	DEN BESTEN/DBX231RR	18,20,22	II	1-2,10-11,13,15-18,24
334	DEN BESTEN/DBX201RR	18,20,22	II	Unknown or Not Reported
335	US SEEDS/US S0909RR	12	0	Unknown or Not Reported
336	US SEEDS/US S2709RR	22	II	Unknown or Not Reported
337	US SEEDS/US S1501RR	17	I	Unknown or Not Reported
338	US SEEDS/US S2201RR	20	II	Unknown or Not Reported
339	US SEEDS/US E1002RR	15	I	Unknown or Not Reported
340	US SEEDS/US S2602RR	22	II	Unknown or Not Reported
341	LG SEEDS/C 2425RR	20	II	1-11,13-15,17-18,21-22,24
342	LG SEEDS/C 9093RR	12	0	No Resistance
343	LG SEEDS/C 1828RR	15	I	1-11,13-15,17-18,21-22,24
344	LG SEEDS/C 1432RR	13,15	I	1-11,13-15,17-18,21-22,24
345	LG SEEDS/C 2150RR	18,20	II	No Resistance
346	THOMPSON/T-3242RR	18	II	1-11,13-15,17-18,21-22,24
347	THOMPSON/T-3176RR	17	I	Unknown or Not Reported
348	THOMPSON/T-3205RR	17,19,21	I	1-2,10-11,13,15-18,24
349	THOMPSON/T-3217RR	17,21	I	1-11,13-15,17-18,21-22,24
350	THOMPSON/T-3225RR	21	I	Unknown or Not Reported
351	THOMPSON/T-3245RR	18,22	II	1-11,13-15,17-18,21-22,24
352	THOMPSON/T-3275RR	22	II	1-11,13-15,17-18,21-22,24
353	THOMPSON/EX0816RR	22	II	1-11,13-15,17-18,21-22,24
354	DAHLCO/DS 9160RR	17	I	1-3,6-11,13,15,17,21,23-24
355	DAHLCO/DS 9145RR	17	I	No Resistance
356	DAHLCO/DS X-0080RR	16	0	1-11,13-15,17-18,21-22,24
357	DAHLCO/DS X1180RR	17	I	No Resistance
358	NORTHSTAR/NS 0923RR	12,14,16	0	Unknown or Not Reported
359	NORTHSTAR/NS 0954RR	12,14,16	0	Unknown or Not Reported
360	NORTHSTAR/NS 1103RR	13,15,17	I	Unknown or Not Reported

Table D. 2001 Roundup Ready soybean entries (continued)

No.	Brand / Variety	Table Number(s)	Mat. Grp.	Phytophthora Race resistance
361	NORTHSTAR/NS 1505RR	13,15,17	I	Unknown or Not Reported
362	NORTHSTAR/NS 1624RR	13,15,17	I	Unknown or Not Reported
363	NORTHSTAR/NS 1706RR	13,15,17,19	I	Unknown or Not Reported
364	NORTHSTAR/NS 2004RR	18,20,22	II	Unknown or Not Reported
365	NORTHSTAR/NS 2255RR	18,20,22	II	Unknown or Not Reported
366	NORTHSTAR/NS 2406RR	18,20,22	II	Unknown or Not Reported
367	SEEDS 2000/2070RR	12	0	1-11,13-15,17-18,21-22,24
368	SEEDS 2000/2110RR	12	0	1-11,13-15,17-18,21-22,24
369	RENK/RS071RR	16	0	1-11,13-15,17-18,21-22,24
370	RENK/RS101RR	17	I	1-3,6-11,13,15,17,21,23-24
371	RENK/RS141RR	17	I	1-11,13-15,17-18,21-22,24
372	RENK/RS159RR	17,19,21	I	1-3,6-11,13,15,17,21,23-24
373	RENK/RS199RR	19,21	I	1-11,13-15,17-18,21-22,24
374	RENK/RS231RR	20,22	II	1-11,13-15,17-18,21-22,24
375	RENK/RS240RR	20,22	II	1-11,13-15,17-18,21-22,24
376	CROWS/C0904R	12,14	0	1-2,10-11,13,15-18,24
377	CROWS/C1530R	13,15,17	I	Unknown or Not Reported
378	CROWS/C1821R	17,19	I	1-11,13-15,17-18,21-22,24
379	CROWS/C24009RN	20,22	II	Unknown or Not Reported
380	CROWS/C2606R	20,22	II	1-11,13-15,17-18,21-22,24
381	BIO GENE/BG080RR	12,14,16	0	1-11,13-15,17-18,21-22,24
382	BIO GENE/BG120RR	13,15,17	I	1-11,13-15,17-18,21-22,24
383	SODAK GENETICS/SD1091RR,0-CK12,14,16		0	1-2,10-11,13,15-18,24

Table E. Mailing addresses of seed companies entered in the 2001 soybean trials according to seed brand name.

Seed brand	Mailing address
Asgrow	Monsanto, 3100 Sycamore Rd, Dekalb, IA 60115
BioGene	Bio Gene Seeds, 5491 Tri-County Hwy, Sardinia, OH 45171
Coyote	Coyote Seed Mills, Inc., PO Box 16, Bridgewater, SD 57319
Crows	Crows Hybrid Corn Co., 14575 University, Waukee, IA 50263
Dairyland	Dairyland Seed Co., Inc., P.O. Box 958, West Bend, WI 53095
Dekalb	Monsanto, 3100 Sycamore Rd, Dekalb, IA 60115
DenBesten	Den Besten Seed Co., Box 896, Platte, SD 57369
Mustang	Mustang Seeds, PO Box 466, Madison, SD 57042
Dahlco	Dahlco Seeds, 14730 15th St. SW, Cokato, MN 55321
Dyna-Gro	UAP Seed, PO Box 1528, Fremont, NE 68026
Gold Country	Gold Country Seed Inc., 16506 Hwy 15 N, Hutchinson, MN 55350
Golden Harvest	J.C. Robinson Seed Co., PO Box A, Waterloo, NE 68069
Great Lakes	Great Lakes Hybrids Inc., 9915 W M-21, Ovid, MI 48866
Hoegemeyer	Hoegemeyer Hybrids, 1755 Hoegemeyer Rd, Hooper, NE 68031
Hy-Vigor	Hy-Vigor Seed Inc., 4970 Redwood Ave, Paullina, IA 51046
Jacobsen	Jacobsen Hybrid Corn Co., 129 9th St., Lake View, IA 51450
Kaltenberg	Kaltenberg Seeds, 5506 State Hwy 19, Waunakee, WI 53597
Kaup	Kaup Seed, 1101 South Beemer St., West Point, NE 68788
Kaystar	Kaystar Seed, PO Box 947, Huron, SD 57350
Kruger	Kruger Seed Co., Hwy 20 E Box A, Dike, IA 50624
Latham	Latham Seed Co., 131 180th St, Alexander, IA 50420
LG Seeds	LG Seeds, 1620 Hwy 10, Gibbon, NE 68840
Mallard	Mallard Seed Co., P.O. Box 637, Plainview, MN 55964
Midwest	Midwest Seed Genetics, 14475 University Ave, Waukee, IA 50263
Northstar	Northstar Genetics, Box 40, Wanamingo, MN 55983
Pioneer	Pioneer Hi-Bred Inter. Inc., 1919 W. 57th, Ste.101, Sioux Falls, SD57108
Prairie Brand	Prairie Brand Seed Co., 15 X Ave., Story City, IA 50248
Profiseed	Profiseed Inc., 1691 Hwy 65 N, Hampton, IA 50441
Renk	Renk Seed Co., 6800 Wilburn Rd., Sun Prairie, WI 53590
Sand SOI	Sand Seed Service, Inc., Box 648, Marcus, IA 51035
Seeds 2000	Seeds 2000, P.O. Box 200, Breckenridge, MN 56520
Sodak Genetics	Foundation Seed Stocks, Box 2207A, SDSU, Brookings, SD 57007
Stine	Stine Seed Co., 2225 Laredo Trail, Adel, IA 50003
Thompson	Thompson Seed, 40321 130th Ave., Leland, IA 50453
Top Farm	Top Farm Hybrids, P.O. Box 850, Cokato, MN 55321
US Seeds	United Suppliers Inc., P.O. Box 538, Eldora, IA 50627
Wensman	Wensman Seed Co., PO Box 190, Wadena, MN 56482
Ziller	Ziller Seed Co., 76374 380th St., Bird Island, MN 55310

Table 1. SDSU crop performance testing results—Watertown, maturity group-0 soybean test results, 1999-2001. N.E. Research Farm, seeded May 26.

Brand / Entry*	Yield - bu/a (13% moisture)			2000	2000	Ht. in.	Ldg. Sc.~	----- 2001 -----
	3yr	2yr	2001	Prot. pct+	Oil pct+			Maturity: Days after seeding
----- Entries tested three years -----								
MUSTANG/M-0958	44	38	39	35.8	16.8	28	1	120
KRUGER/K-0999+	44	40	40	36.8	16.3	28	1	121
MUSTANG/M-0700	43	40	40	34.8	18.1	30	1	106
PUBLIC/SURGE,0-CK*	42	37	36	36.3	17.1	31	1	111
TOP FARM/TF6077	40	37	36	33.8	17.7	28	1	111
PUBLIC/MN 0901	40	36	36	35.9	16.4	28	1	115
PUBLIC/PARKER,I-CK*	40	34	38	35.7	16.4	35	2	122
PUBLIC/DAWSON	39	35	36	35.5	16.7	33	2	107
PUBLIC/HENDRICKS	39	36	35	34.9	17.1	28	1	115
PUBLIC/LAMBERT	35	30	31	34.9	17.4	29	1	111
PUBLIC/MCCALL,00-CK*	32	29	28	35.0	16.0	30	2	102
----- Entries tested two years -----								
KRUGER/K-1333+	.	38	39	35.3	17.0	30	1	122
TOP FARM/TF6101	.	36	35	33.7	17.0	29	1	118
----- Entries tested one year -----								
KRUGER/K-0707	.	.	40	.	.	29	1	111
GOLD COUNTRY/WINDSOR	.	.	39	.	.	26	1	110
TOP FARM/E5051	.	.	39	.	.	30	2	112
MUSTANG/MP 08	.	.	38	.	.	31	1	110
KRUGER/K-1313	.	.	37	.	.	31	1	123
MUSTANG/E-0800	.	.	37	.	.	28	1	119
KRUGER/K-1111	.	.	37	.	.	27	1	123
Test average:	40	36	37	35.2	16.9	29	1	114
LSD(5%) value (\$):	4	4	3					
Min.top-yield value (\$):	40	36	37					
Coef. of variation (#):	6	6	5					

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.

\$/+ See yield / protein & 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 2. SDSU crop performance testing results—Watertown, maturity group—I soybean test results, 1999-2001. N.E. Research Farm seeded May 26.

Brand / Entry*	Yield - bu/a (13% moisture)			2000 Prot. pct+	2000 Oil pct+	Ht. in.	Ldg. Sc.~	----- 2001 ----- Maturity: Days after seeding
	3yr	2yr	2001					

Entries tested three years								
STINE/1386-6	45	37	37	35.7	16.6	29	1	122
KRUGER/K-1606	44	38	39	37.0	15.8	32	1	.
MUSTANG/M-1138	43	35	36	35.7	17.0	29	1	122
GOLD COUNTRY/BISCAY	43	37	38	36.4	16.4	30	1	121
PUBLIC/STRIDE	42	36	35	34.5	16.6	30	1	112
PUBLIC/SURGE,0-CK*	41	35	33	36.5	16.8	27	1	110
PUBLIC/PARKER,I-CK*	40	34	34	35.4	16.5	37	3	121
PUBLIC/STURDY,II-CK*	37	32	32	35.1	17.1	34	2	123
PUBLIC/BELL-SCN	35	30	30	35.3	17.3	28	1	124

Entries tested two years								
KRUGER/K-1991	.	37	33	35.3	17.1	26	1	.
KRUGER/K-1919	.	36	34	35.0	16.9	28	1	.
KRUGER/K-1515	.	36	34	35.8	16.3	30	1	122
MUSTANG/M-1172	.	35	35	35.8	16.8	30	1	122
TOP FARM/TF6161	.	34	34	35.8	16.8	28	1	123
TOP FARM/TF6197	.	32	32	34.7	16.3	31	1	.

Entries tested one year								
KRUGER/K-1808	.	.	38	.	.	29	1	124
PRAIRIE BR./PB172	.	.	37	.	.	30	1	.
LG SEEDS/C 9148	.	.	36	.	.	29	1	122
KRUGER/K-1909	.	.	36	.	.	33	1	.
KRUGER/K-1818	.	.	33	.	.	30	1	.
PRAIRIE BR./PB194	.	.	33	.	.	30	1	.
US SEEDS/US E131	.	.	32	.	.	25	1	117
PRAIRIE BR./PB171	.	.	32	.	.	27	1	123
US SEEDS/US S199	.	.	31	.	.	29	1	.
KRUGER/K-1809	.	.	30	.	.	26	1	.
KRUGER/K-1888	.	.	29	.	.	27	1	.

Test average:	41	35	34	35.6	16.7	30	1	120
LSD(5%) value (\$):	3	4	3					
Min.top-yield value (\$):	42	34	36					
Coef. of variation (#):	5	5	6					

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.
 \$/+ See yield / protein & 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 3. SDSU crop performance testing results—Frankfort, maturity group–0 soybean test results, 1999-2001. Steve Masat Farm seeded May 17.

Brand / Entry*	Yield - bu/a (13% moisture)			---- 2000 --- Prot. Oil		---- 2001 ---- Ht. Lodging	
	3yr	2yr	2001	pct+	pct+	in.	Scale~
----- Entries tested three years -----							
KRUGER/K-1333+	58	59	47	34.0	17.9	29	1
PUBLIC/PARKER, I-CK*	53	54	46	32.7	19.1	35	1
PUBLIC/SURGE, 0-CK*	53	54	42	35.1	17.8	30	1
KRUGER/K-0999+	52	55	42	34.6	17.8	30	1
PUBLIC/HENDRICKS	46	49	39	32.9	18.7	27	1
PUBLIC/MN 0901	45	48	38	33.1	18.8	31	1
PUBLIC/DAWSON	43	49	37	33.3	18.3	28	1
PUBLIC/LAMBERT	42	42	36	34.4	18.4	27	1
PUBLIC/MCCALL, 00-CK*	30	29	25	32.2	18.0	25	1
----- Entries tested two years -----							
KRUGER/K-0999A	.	57	43	34.3	17.8	29	1
----- Entries tested one year -----							
KRUGER/K-1313	.	.	47	.	.	28	1
TOP FARM/E5051	.	.	45	.	.	29	1
KRUGER/K-1111	.	.	43	.	.	27	1
TOP FARM/TF6101	.	.	43	.	.	28	1
KRUGER/K-0707	.	.	41	.	.	28	1
TOP FARM/TF6077	.	.	37	.	.	30	1
Test average:	47	50	41	33.6	18.2	29	1
LSD(5%) value (\$):	8	10	4				
Min.top-yield value (\$):	50	49	43				
Coef. of variation (#):	9	9	6				

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.

\$/+ See yield / protein & 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 4. SDSU crop performance testing results—Frankfort, maturity group-I soybean test results, 1999-2001. Steve Masat Farm, no-till seeded May 17.

Brand / Entry*	Yield - bu/a (13% moisture)			---- 2000 ---	---- 2001 ----		
	3yr	2yr	2001	Prot. pct+	Oil pct+	Ht. in.	Lodging Scale~
----- Entries tested three years -----							
KRUGER/K-1606	61	62	52	35.0	16.9	30	1
MUSTANG/M-1138	54	55	45	33.9	17.8	28	1
PUBLIC/PARKER, I-CK*	52	54	48	32.7	19.0	38	1
PUBLIC/SURGE, 0-CK*	51	53	41	35.2	17.7	28	1
PUBLIC/STURDY, II-CK*	51	53	48	34.8	18.0	34	1
PUBLIC/STRIDE	51	53	42	32.2	18.4	31	1
PUBLIC/BELL-SCN	48	50	42	34.7	18.4	30	1
----- Entries tested two years -----							
KRUGER/K-1991	.	61	47	33.8	17.9	27	1
KRUGER/K-1515	.	60	47	32.8	18.2	29	1
KRUGER/K-1919	.	59	50	33.1	18.0	29	1
MUSTANG/M-1172	.	54	44	32.8	18.4	27	1
----- Entries tested one year -----							
PRAIRIE BR./PB172	.	.	55	.	.	30	1
KRUGER/K-1808	.	.	53	.	.	32	1
PRAIRIE BR./PB171	.	.	51	.	.	28	1
KRUGER/K-1909	.	.	49	.	.	34	1
STINE/1706-0	.	.	49	.	.	30	1
KRUGER/K-1818	.	.	47	.	.	30	1
KRUGER/K-2343A	.	.	46	.	.	29	1
JACOBSEN/J750	.	.	46	.	.	33	1
GOLD COUNTRY/BISCAY	.	.	45	.	.	29	1
TOP FARM/TF6161	.	.	45	.	.	27	1
KRUGER/K-1809	.	.	44	.	.	28	1
LG SEEDS/C 9148	.	.	44	.	.	29	1
JACOBSEN/J772	.	.	42	.	.	29	1
KRUGER/K-1888	.	.	41	.	.	30	1
Test average:	53	56	47	33.7	18.1	31	1
LSD(5%) value (\$):	5	NS	6				
Min.top-yield value (\$):	56	50	49				
Coef. of variation (#):	5	6	7				

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.
 \$/+ See yield / protein & oil sections, respectively.
 ~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.
 NS values within a column are not significant.
 # Measure of experimental error: values of < 15% are desired.

Table 5. SDSU crop performance testing results—Brookings, maturity group-0 soybean test results, 1999-2001. SDSU Agronomy Farm, seeded May 25.

Brand / Entry*	Yield - bu/a (13% moisture)			2000 Prot. pct+	2000 Oil pct+	Ht. in.	Ldg. Sc.~	----- 2001 ----- Maturity: Days after seeding
	3yr	2yr	2001					
----- Entries tested three years -----								
KRUGER/K-0999+	47	47	42	34.7	17.0	30	1	.
PUBLIC/PARKER, I-CK*	45	44	40	34.4	17.2	37	2	.
PUBLIC/SURGE, 0-CK*	43	43	35	35.8	17.3	27	1	121
PUBLIC/MN 0901	41	42	39	34.4	17.2	31	1	122
PUBLIC/HENDRICKS	39	36	28	34.7	17.4	26	1	.
PUBLIC/DAWSON	38	35	27	33.7	17.1	29	1	.
PUBLIC/LAMBERT	35	34	29	33.7	17.8	27	1	120
PUBLIC/MCCALL, 00-CK*	30	29	25	34.5	16.8	26	1	104
----- Entries tested two years -----								
KRUGER/K-1333+	.	47	43	34.0	17.2	26	1	.
----- Entries tested one year -----								
KRUGER/K-0707	.	.	41	.	.	27	1	119
KRUGER/K-1111	.	.	40	.	.	29	1	.
KRUGER/K-1313	.	.	40	.	.	28	1	.
Test average:	40	40	36	34.3	17.3	29	1	118
LSD(5%) value (\$):	5	7	4					
Min.top-yield value (\$):	42	37	39					
Coef. of variation (#):	8	7	7					

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.
 \$/+ See yield / protein & 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 6. SDSU crop performance testing results—Brookings, maturity group-I soybean test results, 1999-2001. SDSU Agronomy Farm, seeded May 25.

Brand / Entry*	Yield - bu/a (13% moisture)			2000	2000	Ht. in.	Ldg. Sc.~	----- 2001 ----- Maturity: Days after seeding
	3yr	2yr	2001	Prot. pct+	Oil pct+			
----- Entries tested three years -----								
KRUGER/K-1606	52	46	41	35.4	16.1	28	1	.
PRAIRIE BR./PB174	48	43	38	34.4	17.1	27	1	.
LATHAM/140 Brand	47	42	36	34.4	17.1	28	1	.
MUSTANG/M-1138	47	41	34	34.0	17.6	26	1	.
LATHAM/392 Brand	47	41	35	35.0	16.3	28	1	.
TOP FARM/TF6197	46	43	41	33.8	17.1	30	2	.
GOLD COUNTRY/BISCAY	46	43	39	34.3	17.1	28	1	.
PRAIRIE BR./PB194	46	43	38	35.4	16.5	28	1	.
US SEEDS/US S199	46	42	37	35.1	16.8	27	1	.
COYOTE/9519	45	42	37	35.1	16.5	31	1	.
PUBLIC/PARKER, I-CK*	45	41	39	34.4	17.3	37	2	.
PUBLIC/STRIDE	44	41	36	32.6	17.6	28	1	.
PUBLIC/SURGE, 0-CK*	43	40	30	35.7	17.1	26	1	120
PUBLIC/BELL-SCN	41	36	32	35.2	17.3	29	2	.
PUBLIC/STURDY, II-CK*	40	37	33	34.3	17.2	30	1	.
----- Entries tested two years -----								
THOMPSON/T-3182	.	45	39	32.7	17.6	31	1	.
PRAIRIE BR./PB146	.	44	38	34.6	17.1	25	1	.
KRUGER/K-1515	.	43	37	34.0	16.8	27	1	.
KRUGER/K-1991	.	43	36	34.5	17.2	25	1	.
KRUGER/K-1919	.	43	34	33.8	17.1	26	1	.
TOP FARM/TF6161	.	43	38	33.8	17.7	26	1	.
SANDS/SOI 144	.	43	35	34.2	17.6	25	1	.
MUSTANG/M-1172	.	40	33	34.8	17.3	26	1	.
----- Entries tested one year -----								
KRUGER/K-1818	.	.	43	.	.	30	1	.
STINE/1706-0	.	.	43	.	.	30	1	.
KRUGER/K-2343A	.	.	42	.	.	29	1	.
PRAIRIE BR./PB171	.	.	40	.	.	27	1	.
PRAIRIE BR./PB172	.	.	39	.	.	27	1	.
KRUGER/K-1909	.	.	39	.	.	31	1	.
JACOBSEN/J750	.	.	39	.	.	29	1	.
SANDS/SOI 222	.	.	38	.	.	27	1	.
THOMPSON/EX3211	.	.	37	.	.	26	1	.
SANDS/SOI 202	.	.	34	.	.	25	1	.
KRUGER/K-1809	.	.	33	.	.	26	1	.
KRUGER/K-1888	.	.	32	.	.	26	1	.
Test average:	46	42	37	34.4	17.1	28	1	120
LSD(5%) value (\$):	5	6	7					
Min.top-yield value (\$):	47	40	36					
Coef. of variation (#):	7	8	11					

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.
 \$/+ See yield / protein & 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. SDSU crop performance testing results—Brookings, maturity group-II soybean test results. SDSU Agronomy Farm, seeded May 25.

Brand / Entry*	Yield - bu/a (13% moisture)			2000 Prot. pct+	2000 Oil pct+	Ht. in.	Ldg. Sc.~	2001 -----
	3yr	2yr	2001					Maturity: Days after seeding
----- 2001 -----								
----- Maturity: -----								
----- Days -----								
----- after -----								
----- seeding -----								

Entries tested three years								
MUSTANG/M-2218	51	44	41	34.7	15.8	29	1	.
KRUGER/K-2425	50	43	40	34.6	15.9	27	1	.
PRAIRIE BR./PB202	49	44	39	34.2	17.1	30	1	.
KRUGER/K-2555	49	41	38	34.1	16.7	26	1	.
THOMPSON/T-3222	49	41	36	34.1	16.8	28	1	.
MUSTANG/M-2200	49	42	38	34.0	16.8	28	1	.
KRUGER/K-2535+	48	42	37	34.5	16.5	27	1	.
KAUP KS/2275	47	41	34	34.6	16.2	29	1	.
PRAIRIE BR./PB217	47	41	35	33.2	17.2	24	1	.
PRAIRIE BR./PB218	47	41	35	33.6	17.1	25	1	.
KRUGER/K-2525+	46	40	33	33.7	17.1	24	1	.
PUBLIC/PARKER, I-CK*	46	41	38	34.5	17.4	35	2	.
PUBLIC/IA2021	44	40	33	32.6	17.7	26	1	.
PUBLIC/STURDY, II-CK*	42	38	33	34.8	17.1	28	1	.
PUBLIC/TURNER-SCN	40	37	32	33.1	17.6	34	2	.
PUBLIC/JACK, III-CK*	35	32	32	34.0	17.0	38	2	.

Entries tested two years								
PRAIRIE BR./PB230	.	41	37	34.0	16.8	28	1	.
SANDS/SOI 236	.	39	32	33.4	17.0	28	1	.

Entries tested one year								
KRUGER/K-2717	.	.	39	.	.	25	1	.
DEKALB/DKB23-73	.	.	36	.	.	30	1	.
KRUGER/K-2313	.	.	36	.	.	25	1	.
LATHAM/830 Brand	.	.	35	.	.	28	1	.
SANDS/SOI 240	.	.	34	.	.	23	1	.
KRUGER/K-2424	.	.	34	.	.	28	1	.
GOLD COUNTRY/CLEMENTS	.	.	33	.	.	29	1	.
LATHAM/640 Brand	.	.	31	.	.	25	1	.

Test average:	46	40	35	34.0	16.8	28	1	.
LSD(5%) value (\$):	5	6	4					
Min.top-yield value (\$):	46	38	37					
Coef. of variation (#):	6	6	7					

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.
 \$/+ See yield / protein & 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. SDSU crop performance testing results—Armour, maturity group-I soybean test results, 1999-2001. Robert Clark Farm, no-till seeded May 18.

Brand / Entry*	Yield - bu/a (13% moisture)			---- 2000 ---		---- 2001 ----	
	3yr	2yr	2001	Prot. pct+	Oil pct+	Ht. in.	Lodging Scale~
	----- Entries tested three years -----						
LATHAM/392 Brand	52	54	53	35.2	17.3	36	1
SANDS/SOI 222	51	53	56	34.0	16.8	33	1
SANDS/SOI 169	51	52	52	34.9	17.7	37	1
COYOTE/9519	48	51	52	35.0	17.0	36	1
LATHAM/250 Brand	47	49	47	35.1	17.6	33	1
PUBLIC/STURDY, II-CK*	47	48	49	36.0	17.5	39	1
PUBLIC/STRIDE	46	47	50	35.2	17.8	33	1
PUBLIC/PARKER, I-CK*	45	48	53	34.2	17.8	42	2
PUBLIC/SURGE, 0-CK*	44	46	47	36.5	17.8	34	1
PUBLIC/BELL-SCN	43	45	44	35.9	17.1	35	1
	----- Entries tested two years -----						
KRUGER/K-1606	.	54	56	35.8	17.1	33	1
KRUGER/K-1919	.	53	55	35.7	17.3	33	1
KRUGER/K-1991	.	53	52	35.8	17.2	31	1
KRUGER/K-1515	.	52	51	35.1	17.0	32	1
	----- Entries tested one year -----						
PRAIRIE BR./PB172	.	.	58	.	.	35	1
KRUGER/K-1909	.	.	57	.	.	40	1
LG SEEDS/C 1922	.	.	56	.	.	35	1
PRAIRIE BR./PB171	.	.	56	.	.	33	1
JACOBSEN/J750	.	.	54	.	.	38	1
KRUGER/K-2343A	.	.	54	.	.	34	1
KRUGER/K-1818	.	.	53	.	.	33	1
SANDS/SOI 202	.	.	52	.	.	32	1
KRUGER/K-1809	.	.	51	.	.	33	2
JACOBSEN/J772	.	.	50	.	.	36	1
LATHAM/EX-290	.	.	49	.	.	35	1
Test average:	48	50	51	35.3	17.4	35	1
LSD(5%) value (\$):	4	6	6				
Min.top-yield value (\$):	48	48	52				
Coef. of variation (#):	8	8	6				

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.

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

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

NS values within a column are not significant.

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

Table 9. SDSU crop performance testing results—Armour, maturity group—II soybean test results, 1999-2001. Robert Clark Farm, no-till seeded May 15.

Brand / Entry*	Yield - bu/a (13% moisture)			---- 2000 ---		---- 2001 ----	
	3yr	2yr	2001	Prot. pct+	Oil pct+	Ht. in.	Lodging Scale~
----- Entries tested three years -----							
KRUGER/K-2555	55	57	51	32.4	18.4	31	1
KRUGER/K-2425	51	52	47	35.3	16.4	33	1
KAUP KS/2474	51	53	52	33.6	18.0	34	1
KRUGER/K-2444	50	52	49	33.8	17.2	32	1
PRAIRIE BR./PB217	50	49	48	34.0	17.4	32	1
PRAIRIE BR./PB202	49	50	51	34.5	17.1	36	1
PRAIRIE BR./PB237-1	48	50	46	34.2	17.1	31	1
US SEEDS/US S250	48	46	42	33.8	18.0	32	1
KRUGER/K-2525+	48	46	43	34.5	16.8	30	1
PRAIRIE BR./PB218	47	48	45	34.6	17.5	30	1
MUSTANG/M-2251	46	47	48	33.8	17.9	32	1
PUBLIC/PARKER, I-CK*	46	48	49	34.2	18.1	39	2
COYOTE/9525	46	47	44	33.5	17.7	41	2
PUBLIC/TURNER-SCN	44	45	43	34.1	18.1	41	1
PUBLIC/STURDY, II-CK*	43	42	41	35.1	17.9	34	1
PUBLIC/JACK, III-CK*	42	44	40	33.9	17.8	42	2
PUBLIC/IA2021	40	39	37	34.0	18.0	30	1
----- Entries tested two years -----							
PRAIRIE BR./PB256	.	58	52	33.5	18.0	30	1
PRAIRIE BR./PB230	.	50	47	33.7	17.7	32	1
MUSTANG/M-2252	.	49	45	34.5	16.6	33	1
SANDS/SOI 280	.	49	45	33.6	17.6	31	1
KRUGER/K-2535+	.	48	45	35.8	16.7	29	1
----- Entries tested one year -----							
KRUGER/K-2717	.	.	52	.	.	31	1
LATHAM/EX-940	.	.	50	.	.	35	1
JACOBSEN/J EXP 826	.	.	50	.	.	34	2
GOLD COUNTRY/CLEMENTS	.	.	50	.	.	37	1
PRAIRIE BR./PB241	.	.	49	.	.	32	1
JACOBSEN/J815	.	.	48	.	.	33	1
MUSTANG/M-2218	.	.	48	.	.	34	1
KRUGER/K-2313	.	.	48	.	.	31	1
LATHAM/690 Brand	.	.	48	.	.	31	1
SANDS/SOI 240	.	.	47	.	.	29	1
GOLD COUNTRY/X2125	.	.	47	.	.	32	1
COYOTE/EX723	.	.	46	.	.	30	1
SANDS/SOI 288	.	.	46	.	.	32	1
COYOTE/9123	.	.	45	.	.	37	1
LATHAM/EX-570	.	.	42	.	.	30	1
KRUGER/K-2424	.	.	42	.	.	31	1
Test average:	47	49	46	34.1	17.5	33	1
LSD(5%) value (\$):	5	6	6				
Min.top-yield value (\$):	50	52	46				
Coef. of variation (#):	9	10	8				

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.
 \$/+ See yield / protein & oil sections, respectively.
 ~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.
 NS values within a column are not significant.
 # Measure of experimental error: values of < 15% are desired.

Table 10. SDSU crop performance testing results—Beresford, maturity group—I soybean test results, 1999-2001. S.E. Research Farm, seeded May 16.

Brand / Entry*	Yield - bu/a (13% moisture)			2000 Prot. pct+	2000 Oil pct+	Ht. in.	Ldg. Sc.~	----- 2001 ----- Maturity: Days after seeding
	3yr	2yr	2001					
----- Entries tested three years -----								
SANDS/SOI 169	56	57	57	33.8	17.8	37	1	132
LATHAM/392 Brand	55	55	53	34.3	17.7	37	1	130
SANDS/SOI 222	54	53	53	34.4	16.8	34	1	128
PUBLIC/STURDY, II-CK*	47	50	47	33.8	18.4	39	2	122
PUBLIC/PARKER, I-CK*	47	49	48	33.8	18.4	41	3	123
PUBLIC/SURGE, 0-CK*	46	48	46	34.6	18.7	35	1	118
PUBLIC/BELL-SCN	43	46	44	35.5	17.7	38	1	122
PUBLIC/STRIDE	40	43	46	32.8	18.6	34	1	120
----- Entries tested two years -----								
KRUGER/K-1919	.	59	56	34.0	18.2	35	1	125
KRUGER/K-1991	.	58	57	34.5	18.3	33	1	125
THOMPSON/T-3201	.	55	52	33.1	18.4	33	1	127
LATHAM/EX-290	.	55	53	33.7	18.7	36	1	122
----- Entries tested one year -----								
PRAIRIE BR./PB172	.	.	59	.	.	37	1	127
KRUGER/K-1909	.	.	58	.	.	39	1	131
THOMPSON/T-3182	.	.	54	.	.	41	1	123
KRUGER/K-1818	.	.	54	.	.	34	1	128
PRAIRIE BR./PB171	.	.	53	.	.	33	1	125
THOMPSON/EX3211	.	.	53	.	.	35	2	126
JACOBSEN/J750	.	.	52	.	.	37	1	132
KRUGER/K-2343A	.	.	50	.	.	35	2	128
KRUGER/K-1809	.	.	48	.	.	35	2	128
Test average:	49	52	52	34.0	18.1	37	1	.
LSD(5%) value (\$):	6	6	5					
Min.top-yield value (\$):	50	53	54					
Coef. of variation (#):	9	6	5					

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.

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

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

NS values within a column are not significant.

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

Table 11. SDSU crop performance testing results—Beresford, maturity group-II soybean test results, 1999-2001. S.E. Research Farm, seeded May 16.

Brand / Entry*	Yield - bu/a (13% moisture)			2000 Prot. pct+	2000 Oil pct+	Ht. in.	----- 2001 ----- Ldg. Sc.~	Maturity: Days after seeding
	3yr	2yr	2001					
	Entries tested three years							
MUSTANG/M-2218	56	58	60	33.2	17.7	33	1	129
STINE/2490-1	56	58	57	33.7	18.2	34	1	131
KAUP KS/2474	55	59	58	33.6	18.0	40	2	132
KRUGER/K-2425	55	56	56	34.5	17.0	33	2	131
PRAIRIE BR./PB202	54	58	57	34.0	17.7	35	1	131
THOMPSON/T-3222	54	55	52	33.1	17.9	36	1	127
PRAIRIE BR./PB218	53	59	59	33.7	18.0	34	1	123
PRAIRIE BR./PB217	52	54	52	33.4	17.9	35	1	130
MUSTANG/M-2251	51	54	55	32.4	19.0	36	2	131
PRAIRIE BR./PB237-1	50	55	56	34.1	17.4	35	1	131
PUBLIC/STURDY, II-CK*	45	48	47	34.0	18.4	40	2	123
PUBLIC/PARKER, I-CK*	45	47	51	33.1	18.9	43	3	123
PUBLIC/IA2021	44	45	45	32.2	19.2	33	2	127
COYOTE/9525	43	51	54	32.2	18.7	44	2	130
PUBLIC/TURNER-SCN	43	49	47	33.1	18.4	41	2	130
PUBLIC/JACK, III-CK*	40	46	47	34.5	17.7	47	3	.
	Entries tested two years							
PRAIRIE BR./PB230	.	58	58	32.5	18.4	35	1	131
SANDS/SOI 280	.	57	56	34.2	17.5	35	2	132
ASGROW/A2553	.	56	56	32.5	18.9	35	2	129
THOMPSON/T-3244	.	56	54	33.5	17.9	35	2	130
PRAIRIE BR./PB256	.	56	54	33.7	18.1	35	2	130
THOMPSON/T-3231	.	56	55	33.1	18.2	38	1	134
MUSTANG/M-2252	.	56	56	34.6	16.4	35	2	132
SANDS/SOI 236	.	56	58	33.4	18.4	39	2	130
	Entries tested one year							
SANDS/SOI 288	.	.	62	.	.	36	2	134
PRAIRIE BR./PB278	.	.	58	.	.	36	2	.
US SEEDS/US S271	.	.	57	.	.	36	2	132
KRUGER/K-2929	.	.	57	.	.	36	1	.
KRUGER/K-2424	.	.	57	.	.	36	2	131
KRUGER/K-2313	.	.	57	.	.	36	1	131
JACOBSEN/J EXP 826	.	.	57	.	.	35	2	.
ASGROW/A2824	.	.	55	.	.	35	1	.
GOLD COUNTRY/X2125	.	.	55	.	.	34	1	130
LATHAM/690 Brand	.	.	55	.	.	35	2	130
	Entries tested one year							
KRUGER/K-2717	.	.	54	.	.	34	1	130
LATHAM/EX-940	.	.	53	.	.	36	2	.
COYOTE/EX723	.	.	53	.	.	34	1	129
PRAIRIE BR./PB241	.	.	53	.	.	36	1	130
SANDS/SOI 240	.	.	51	.	.	31	1	130
COYOTE/9123	.	.	51	.	.	39	2	124
LATHAM/530 Brand	.	.	50	.	.	37	1	129
JACOBSEN/J815	.	.	49	.	.	36	2	134
Test average:	49	54	54	33.4	18.1	36	2	130
LSD(5%) value (\$):	6	5	5					
Min.top-yield value (\$):	50	54	57					
Coef. of variation (#):	9	7	5					

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.
 \$/+ See yield / protein & oil sections, respectively.
 ~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.
 NS values within a column are not significant.
 # Measure of experimental error: values of < 15% are desired.

Table 12. SDSU crop performance testing results—Watertown, maturity group-0 Roundup Ready soybean test results, 1999-2001. N.E. Research Farm, seeded May 26.

Brand / Entry*	Yield - bu/a (13% moisture)			2000 Prot. pct+	2000 Oil pct+	Ht. in.	Ldg. Sc.~	----- 2001 ----- Maturity: Days after seeding
	3yr	2yr	2001					

Entries tested three years								
US SEEDS/US S0909RR	45	38	39	34.7	16.8	30	1	114
KRUGER/K-099+RR	45	39	39	35.4	17.1	30	1	111
MUSTANG/M-091RR	44	37	37	34.9	16.5	31	1	108
GOLDEN HARVEST/H0979RR	44	38	36	34.5	16.9	29	1	109
STINE/0990-4	44	39	41	35.4	16.5	31	1	112
PRAIRIE BRAND/PB0920RR	44	39	39	35.3	16.8	31	1	109
ASGROW/AG0801	44	40	41	33.9	17.7	36	1	108
WENSMAN/W 2098RR	44	38	38	34.8	16.5	28	1	108
PRAIRIE BRAND/PB1030RR	44	39	36	34.8	16.9	29	1	111
DEN BESTEN/DB0900RR	43	36	36	34.5	16.6	29	1	107
KRUGER/K-090RR	42	38	35	35.1	16.5	28	1	109
MUSTANG/M-079RR	42	37	36	34.6	16.6	30	1	109
SODAK GENETICS/SD1091R	41	35	34	36.2	17.1	32	1	111

Entries tested two years								
STINE/0700-4	.	38	36	35.1	17.2	28	1	109
GOLD COUNTRY/2110RR	.	37	36	34.9	17.1	29	1	113
MUSTANG/M-082RR	.	37	38	34.1	17.2	29	1	110
KRUGER/K-133RR	.	37	36	35.4	16.4	30	1	119
GOLD COUNTRY/2109RR	.	36	37	34.5	16.7	29	1	109
WENSMAN/W 2100RR	.	36	34	34.9	17.1	29	1	114
DEN BESTEN/DB1102RR	.	35	34	34.3	16.7	28	1	115
DEN BESTEN/DB0802RR	.	35	33	33.8	17.4	27	1	108
MIDWEST SEED/GR0945	.	35	33	34.6	16.8	28	1	110
PRAIRIE BRAND/PB0550RR	.	34	31	35.0	17.3	31	1	110
PUBLIC/SD99-002R	.	33	33	34.6	16.9	37	1	117
PRAIRIE BRAND/PB0810RR	.	32	29	34.4	17.0	26	1	109
PUBLIC/SD99-001R	.	32	32	36.0	16.0	27	1	116

Entries tested one year								
STINE/0806-4	.	.	42	.	.	31	1	117
NORTHSTAR/NS 0954RR	.	.	41	.	.	31	1	115
KRUGER/K-091-1RR	.	.	40	.	.	29	1	109
NORTHSTAR/NS 0923RR	.	.	39	.	.	30	1	112
BIO GENE/BG080RR	.	.	39	.	.	27	1	109
DEKALB/DKB10-51	.	.	38	.	.	33	1	112
LATHAM/EX-067RR	.	.	37	.	.	31	1	115
KRUGER/K-122RR	.	.	37	.	.	34	2	116
LG SEEDS/C 9093RR	.	.	36	.	.	31	1	110
MUSTANG/M-051RR	.	.	36	.	.	30	1	109
SANDS/SOI 0909RR	.	.	36	.	.	30	1	112
PRAIRIE BRAND/PB0561RR	.	.	35	.	.	29	1	110
LATHAM/EX-087RR	.	.	35	.	.	30	1	113
DEKALB/DKB09-51	.	.	35	.	.	29	1	113
KAYSTAR/K-0960RR	.	.	35	.	.	26	1	111

Table 12. Watertown, maturity group-0 Roundup Ready (continued)

Brand / Entry*	Yield - bu/a (13% moisture)			2000		----- 2001 -----		Maturity: Days after seeding
	3yr	2yr	2001	Prot. pct+	Oil pct+	Ht. in.	Ldg. Sc.~	
	----- Entries tested one year -----							
MALLARD/RRX0912	.	.	34	.	.	27	1	112
KRUGER/K-077-1RR	.	.	34	.	.	27	1	109
LATHAM/EX-097RR	.	.	34	.	.	34	1	112
KRUGER/K-121RR	.	.	34	.	.	27	1	116
DAIRYLAND/DST1114RR	.	.	34	.	.	31	1	113
KRUGER/K-077-2RR	.	.	33	.	.	26	1	110
CROWS/C0904R	.	.	33	.	.	28	1	112
DAIRYLAND/DSR-101/RR	.	.	33	.	.	30	1	116
GOLD COUNTRY/4107RR	.	.	32	.	.	31	1	119
MUSTANG/M-093RR	.	.	32	.	.	28	1	113
MUSTANG/M-052RR	.	.	32	.	.	30	1	109
GOLD COUNTRY/6208RR	.	.	32	.	.	27	1	109
PRAIRIE BRAND/PB0941RR	.	.	31	.	.	30	1	110
KRUGER/K-080-1RR	.	.	31	.	.	28	1	110
KRUGER/K-088RR	.	.	31	.	.	31	1	113
SEEDS 2000/2110RR	.	.	31	.	.	32	1	120
SEEDS 2000/2070RR	.	.	30	.	.	33	1	108
LATHAM/EX-107RR	.	.	30	.	.	33	1	115
SANDS/SOI 0820RR	.	.	29	.	.	25	1	108
LATHAM/EX-077RR	.	.	29	.	.	25	1	113
MIDWEST SEED/GR0525	.	.	27	.	.	35	2	106
PRAIRIE BRAND/PB0621RR	.	.	12	.	.	28	1	110
Test average:	44	36	34	34.8	16.9	30	1	112
LSD(5%) value (\$):	NS	4	6					
Min.top-yield value (\$):	41	36	36					
Coef. of variation (#):	6	7	10					

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.
 \$/+ See yield / protein and oil sections, respectively.
 ~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.
 NS values within a column are not significant.
 # Measure of experimental error: values of < 15% are desired.

Table 13. SDSU crop performance testing results—Watertown, maturity group-I Roundup Ready soybean test results, 1999-2001. N.E. Research Farm seeded May 26.

Brand / Entry*	Yield - bu/a (13% moisture)			2000 Prot. pct+	2000 Oil pct+	Ht. in.	2001 Ldg. Sc.~	Maturity: Days after seeding
	3yr	2yr	2001					
----- 2001 -----								
Entries tested three years								
ASGROW/AG1301	41	37	34	34.7	17.3	30	1	115
KRUGER/K-180RR	40	34	28	34.3	17.4	26	1	123
GOLD COUNTRY/6016RR	38	34	32	34.2	16.4	35	2	121
GOLDEN HARVEST/H1565RR	38	34	33	33.2	16.8	33	1	119
KRUGER/K-222+RR	37	30	26	34.9	16.8	30	1	124
PRAIRIE BRAND/PB1620RR	36	32	30	33.0	16.5	34	1	120
MUSTANG/M-151RR	36	32	30	33.2	16.7	34	1	120
Entries tested two years								
DEKALB/DKB16-51	.	39	41	35.1	16.9	33	1	122
MALLARD/RR1011	.	38	37	34.8	16.9	31	1	111
MUSTANG/M-132RR	.	36	34	34.7	16.9	31	1	119
MUSTANG/M-142RR	.	36	36	34.3	16.4	29	1	116
PRAIRIE BRAND/PB1540RR	.	36	34	35.4	16.5	30	1	119
PRAIRIE BRAND/PB1246RR	.	36	35	35.1	16.4	31	1	118
ZILLER/BT 7150R	.	36	34	34.0	16.5	35	1	120
ZILLER/BT 7101R	.	35	34	34.5	17.2	31	1	110
DEN BESTEN/DB1202RR	.	35	33	35.2	16.9	33	1	118
KRUGER/K-166RR	.	35	34	33.6	16.7	35	1	121
DAIRYLAND/DSR-130/RR	.	35	36	34.7	16.8	31	1	115
MUSTANG/M-152RR	.	35	33	35.8	16.3	32	1	119
ASGROW/AG1602	.	35	34	34.0	16.8	31	1	118
DEN BESTEN/DB1301RR	.	34	31	34.0	16.7	28	1	116
WENSMAN/W 2160RR	.	33	32	33.5	17.0	34	1	119
KRUGER/K-211ARR	.	33	30	33.5	17.0	31	1	.
TOP FARM/TF6149RR	.	33	33	35.7	16.3	33	1	118
DEKALB/DKB19-51	.	33	31	34.2	17.3	30	1	122
TOP FARM/E1971RR	.	33	30	34.3	17.3	28	1	124
DEN BESTEN/DB1601RR	.	31	27	34.5	16.7	30	1	123
MIDWEST SEED/GR1100	.	31	28	34.8	16.8	33	1	110
TOP FARM/TF6179RR	.	29	27	35.1	17.0	33	1	121
Entries tested one year								
HY-VIGOR/H-174RR	.	.	41	.	.	28	1	121
PIONEER/90B93	.	.	38	.	.	31	1	109
KRUGER/K-212-2RR	.	.	37	.	.	28	1	.
DEN BESTEN/DB1502RR	.	.	37	.	.	35	1	117
WENSMAN/W 2153RR	.	.	37	.	.	33	1	118
CROWS/C1530R	.	.	36	.	.	32	1	118
KRUGER/K-155RR	.	.	35	.	.	31	1	119
PIONEER/91B64	.	.	35	.	.	31	1	116
WENSMAN/W 2131RR	.	.	35	.	.	31	2	120
NORTHSTAR/NS 1103RR	.	.	35	.	.	35	1	114

Table 13 Watertown, maturity group-I Roundup Ready (continued)

Brand / Entry*	Yield - bu/a (13% moisture)			2000 Prot. pct+	2000 Oil pct+	Ht. in.	----- 2001 -----	
	3yr	2yr	2001				Ldg. Sc.~	Maturity: Days after seeding
	----- Entries tested one year -----							
NORTHSTAR/NS 1505RR	.	.	35	.	.	31	1	120
BIO GENE/BG120RR	.	.	35	.	.	29	1	115
DEN BESTEN/DB1902RR	.	.	35	.	.	27	1	.
LG SEEDS/C 1432RR	.	.	34	.	.	31	1	114
MALLARD/RR1511	.	.	34	.	.	32	1	119
MALLARD/RRX1312	.	.	33	.	.	31	1	118
PRAIRIE BRAND/PB1241RR	.	.	33	.	.	28	1	115
NORTHSTAR/NS 1624RR	.	.	33	.	.	35	1	120
GOLD COUNTRY/2213RR	.	.	33	.	.	31	1	118
KRUGER/K-221RR	.	.	32	.	.	28	1	.
STINE/1303-4	.	.	32	.	.	28	1	116
KRUGER/K-212RR	.	.	32	.	.	32	1	.
GREAT LAKES/GL1501RR	.	.	32	.	.	31	1	120
PRAIRIE BRAND/PB1981RR	.	.	31	.	.	29	1	.
SANDS/SOI 140RR	.	.	31	.	.	37	1	115
PRAIRIE BRAND/PB1721RR	.	.	31	.	.	29	1	.
KRUGER/K-161RR	.	.	31	.	.	29	1	124
MUSTANG/M-101RR	.	.	30	.	.	27	1	112
KRUGER/K-181RR	.	.	30	.	.	29	1	.
KRUGER/K-232-2RR	.	.	30	.	.	31	1	.
PRAIRIE BRAND/PB1781RR	.	.	30	.	.	30	1	124
PRAIRIE BRAND/PB1561RR	.	.	29	.	.	27	1	122
DAIRYLAND/DSR-151/RR	.	.	29	.	.	29	1	120
DEN BESTEN/DB1802RR	.	.	28	.	.	28	1	123
DAIRYLAND/DSR-181/RR	.	.	28	.	.	31	1	.
KRUGER/K-202-1RR	.	.	28	.	.	29	1	.
NORTHSTAR/NS 1706RR	.	.	28	.	.	27	1	.
PRAIRIE BRAND/PB1521RR	.	.	28	.	.	27	1	121
TOP FARM/E1901RR	.	.	27	.	.	29	1	.
MUSTANG/M-171RR	.	.	27	.	.	28	1	.
KRUGER/K-151RR	.	.	26	.	.	30	1	123
KRUGER/K-151-1RR	.	.	24	.	.	28	1	122
Test average:	38	34	32	34.4	16.8	31	1	119
LSD(5%) value (\$):	NS	4	5					
Min.top-yield value (\$):	36	35	36					
Coef. of variation (#):	7	8	9					

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.
 \$/+ See yield / protein and oil sections, respectively.
 ~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.
 NS values within a column are not significant.
 # Measure of experimental error: values of < 15% are desired.

**Table 14. SDSU crop performance testing results—Frankfort, maturity group-0
Roundup Ready soybean test results, 1999-2001. Steve Masat Farm, no-till
seeded May 26.**

Brand / Entry*	Yield - bu/a (13% moisture)			---- 2000 ---	---- 2001 ----		
	3yr	2yr	2001	Prot. pct+	Oil pct+	Ht. in.	Lodging Scale~
	Entries tested one year						
CROWS/C0904R	.	.	46	.	.	27	1
DEN BESTEN/DB1102RR	.	.	45	.	.	28	1
KRUGER/K-080-1RR	.	.	44	.	.	24	1
DEKALB/DKB09-51	.	.	43	.	.	25	1
KRUGER/K-121RR	.	.	43	.	.	25	1
PRAIRIE BRAND/PB1030RR	.	.	43	.	.	25	1
DEKALB/DKB10-51	.	.	43	.	.	24	1
KAYSTAR/K-0960RR	.	.	43	.	.	25	1
SODAK GENETICS/SD1091R	.	.	42	.	.	28	1
KRUGER/K-133RR	.	.	42	.	.	27	1
KRUGER/K-122RR	.	.	42	.	.	28	1
PRAIRIE BRAND/PB0941RR	.	.	42	.	.	30	1
DAIRYLAND/DSR-101/RR	.	.	41	.	.	29	1
NORTHSTAR/NS 0923RR	.	.	41	.	.	25	1
GOLD COUNTRY/2110RR	.	.	41	.	.	23	1
KRUGER/K-091-1RR	.	.	41	.	.	24	1
DAIRYLAND/DST1114RR	.	.	41	.	.	29	1
KRUGER/K-088RR	.	.	40	.	.	30	1
KRUGER/K-090RR	.	.	40	.	.	25	1
KRUGER/K-099+RR	.	.	40	.	.	24	1
WENSMAN/W 2100RR	.	.	40	.	.	24	1
GOLD COUNTRY/4107RR	.	.	39	.	.	28	1
DEN BESTEN/DB0900RR	.	.	39	.	.	24	1
PRAIRIE BRAND/PB0920RR	.	.	39	.	.	23	1
ASGROW/AG0801	.	.	39	.	.	28	1
GOLDEN HARVEST/H0979RR	.	.	39	.	.	23	1
MIDWEST SEED/GR0945	.	.	38	.	.	26	1
NORTHSTAR/NS 0954RR	.	.	38	.	.	24	1
MUSTANG/M-091RR	.	.	38	.	.	23	1
PRAIRIE BRAND/PB0561RR	.	.	36	.	.	24	1
PRAIRIE BRAND/PB0550RR	.	.	36	.	.	25	1
KRUGER/K-077-2RR	.	.	35	.	.	23	1
BIO GENE/BG080RR	.	.	35	.	.	24	1
KRUGER/K-077-1RR	.	.	35	.	.	22	1
DEN BESTEN/DB0802RR	.	.	34	.	.	23	1
PRAIRIE BRAND/PB0810RR	.	.	33	.	.	22	1
PRAIRIE BRAND/PB0621RR	.	.	18	.	.	23	1
Test average:	.	.	39	.	.	26	1
LSD(5%) value (\$):	.	.	5				
Min.top-yield value (\$):	.	.	41				
Coef. of variation (#):	.	.	8				

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.
\$/+ 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. SDSU crop performance testing results—Frankfort, maturity group-I Roundup Ready soybean test results, 1999-2001. Steve Masat Farm, no-till seeded May 26.

Brand / Entry*	Yield - bu/a (13% moisture)			---- 2000 ---		---- 2001 ----	
	3yr	2yr	2001	Prot. pct+	Oil pct+	Ht. in.	Lodging Scale~
	----- Entries tested one year -----						
DEN BESTEN/DB1902RR	.	.	52	.	.	28	1
KRUGER/K-212-2RR	.	.	52	.	.	28	1
WENSMAN/W 2160RR	.	.	52	.	.	34	1
KRUGER/K-155RR	.	.	51	.	.	28	1
KRUGER/K-202-1RR	.	.	50	.	.	31	1
GOLD COUNTRY/6117RR	.	.	49	.	.	31	1
DEN BESTEN/DB1802RR	.	.	49	.	.	31	1
DEN BESTEN/DB1502RR	.	.	49	.	.	32	1
NORTHSTAR/NS 1706RR	.	.	49	.	.	29	1
PRAIRIE BRAND/PB1981RR	.	.	49	.	.	29	1
PRAIRIE BRAND/PB1781RR	.	.	49	.	.	33	1
KRUGER/K-232-2RR	.	.	48	.	.	29	1
NORTHSTAR/NS 1624RR	.	.	48	.	.	35	1
DAIRYLAND/DSR-181/RR	.	.	48	.	.	31	1
WENSMAN/W 2153RR	.	.	48	.	.	30	1
KRUGER/K-151RR	.	.	48	.	.	29	1
LG SEEDS/C 1828RR	.	.	48	.	.	31	1
PRAIRIE BRAND/PB1721RR	.	.	47	.	.	32	1
TOP FARM/E1701RR	.	.	47	.	.	30	1
KRUGER/K-181RR	.	.	47	.	.	32	1
KRUGER/K-161RR	.	.	47	.	.	29	1
GOLDEN HARVEST/H1565RR	.	.	47	.	.	34	1
DEN BESTEN/DB1601RR	.	.	47	.	.	32	1
PRAIRIE BRAND/PB1241RR	.	.	47	.	.	27	1
BIO GENE/BG120RR	.	.	46	.	.	29	1
DEN BESTEN/DB1202RR	.	.	46	.	.	29	1
PIONEER/91B64	.	.	46	.	.	33	1
JACOBSEN/J608RR	.	.	46	.	.	31	1
MUSTANG/M-132RR	.	.	46	.	.	30	1
MUSTANG/M-151RR	.	.	46	.	.	34	1
KRUGER/K-166RR	.	.	46	.	.	33	1
KRUGER/K-212RR	.	.	46	.	.	33	1
PRAIRIE BRAND/PB1246RR	.	.	45	.	.	29	1
KRUGER/K-222+RR	.	.	45	.	.	32	1
JACOBSEN/J790RR	.	.	45	.	.	34	1
KRUGER/K-211ARR	.	.	45	.	.	32	1
PRAIRIE BRAND/PB1540RR	.	.	45	.	.	31	1
WENSMAN/W 2131RR	.	.	45	.	.	27	1
PRAIRIE BRAND/PB1620RR	.	.	45	.	.	33	1
DEKALB/DKB16-51	.	.	45	.	.	31	1
MUSTANG/M-171RR	.	.	45	.	.	31	1
PRAIRIE BRAND/PB1561RR	.	.	45	.	.	30	1
NORTHSTAR/NS 1103RR	.	.	44	.	.	32	1
MIDWEST SEED/GR1545	.	.	44	.	.	32	1
DAIRYLAND/DSR-130/RR	.	.	44	.	.	30	1

Table 15. Frankfort, maturity group-I Roundup Ready (continued)

Brand / Entry*	Yield - bu/a (13% moisture)			---- 2000 ---		---- 2001 ----	
	3yr	2yr	2001	Prot. pct+	Oil pct+	Ht. in.	Lodging Scale~
	Entries tested one year						
JACOBSEN/J792RR	.	.	44	.	.	34	1
ASGROW/AG1602	.	.	44	.	.	29	1
ASGROW/AG1301	.	.	44	.	.	30	1
CROWS/C1530R	.	.	43	.	.	30	1
DAIRYLAND/DSR-151/RR	.	.	43	.	.	29	1
DEKALB/DKB19-51	.	.	43	.	.	31	1
KRUGER/K-221RR	.	.	43	.	.	30	1
GOLD COUNTRY/6016RR	.	.	43	.	.	32	1
DEN BESTEN/DB1301RR	.	.	43	.	.	29	1
JACOBSEN/J702RR	.	.	43	.	.	32	1
GREAT LAKES/GL1501RR	.	.	42	.	.	33	1
JACOBSEN/J801RR	.	.	42	.	.	29	1
LG SEEDS/C 1432RR	.	.	42	.	.	29	1
MUSTANG/M-152RR	.	.	42	.	.	29	1
TOP FARM/TF6149RR	.	.	42	.	.	33	1
GOLD COUNTRY/2213RR	.	.	41	.	.	27	1
MIDWEST SEED/GR1100	.	.	41	.	.	31	1
PRAIRIE BRAND/PB1521RR	.	.	40	.	.	27	1
NORTHSTAR/NS 1505RR	.	.	39	.	.	29	1
US SEEDS/US E1002RR	.	.	39	.	.	26	1
KRUGER/K-151-1RR	.	.	39	.	.	28	1
WENSMAN/W 2194RR	.	.	38	.	.	27	1
PIONEER/90B93	.	.	26	.	.	28	1
Test average:	.	.	45	.	.	31	1
LSD(5%) value (\$):	.	.	6				
Min.top-yield value (\$):	.	.	46				
Coef. of variation (#):	.	.	8				

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.
 \$/+ See yield / protein and oil sections, respectively.
 ~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.
 NS values within a column are not significant.
 # Measure of experimental error: values of < 15% are desired.

Table 16. SDSU crop performance testing results—Brookings, maturity group-0 Roundup Ready soybean test results, 1999-2001. SDSU Agronomy Farm seeded May 25.

Brand / Entry*	Yield - bu/a (13% moisture)			2000	2000	Ht. in.	Ldg. Sc.~	2001	Maturity: Days after seeding
	3yr	2yr	2001	Prot. pct+	Oil pct+			-----	
----- 2001 -----									
Entries tested three years									
MUSTANG/M-091RR	53	51	39	32.8	17.3	28	1	112	
DEN BESTEN/DB0900RR	50	51	42	33.3	17.0	28	1	112	
SANDS/SOI 0909RR	50	51	38	33.1	17.0	29	1	115	
KRUGER/K-090RR	50	51	39	33.8	17.2	27	1	119	
PRAIRIE BRAND/PB1030RR	50	51	41	33.1	17.3	30	1	119	
KRUGER/K-099+RR	50	51	40	33.3	17.7	27	1	112	
STINE/O990-4	50	48	36	33.0	17.1	30	1	117	
KRUGER/K-099ARR	50	50	37	33.4	17.3	29	1	112	
GOLDEN HARVEST/H0979RR	50	49	37	33.1	17.1	28	1	111	
SODAK GENETICS/SD1091R	48	47	35	35.1	17.1	31	1	117	
Entries tested two years									
KRUGER/K-133RR	.	53	42	34.3	17.1	31	1	122	
DEN BESTEN/DB1102RR	.	51	37	33.4	17.2	28	1	119	
WENSMAN/W 2100RR	.	50	38	33.1	17.2	26	1	120	
ASGROW/AG0801	.	49	36	32.1	18.6	31	1	111	
DEN BESTEN/DB0802RR	.	47	34	32.7	17.9	25	1	111	
MUSTANG/M-082RR	.	47	36	32.6	17.7	27	1	112	
Entries tested one year									
KRUGER/K-121RR	.	.	44	.	.	29	1	119	
DEKALB/DKB09-51	.	.	43	.	.	29	1	120	
NORTHSTAR/NS 0954RR	.	.	42	.	.	29	1	120	
PRAIRIE BRAND/PB0920RR	.	.	42	.	.	29	1	111	
BIO GENE/BG080RR	.	.	41	.	.	25	1	111	
DEKALB/DKB10-51	.	.	41	.	.	29	1	120	
KRUGER/K-091-1RR	.	.	40	.	.	29	1	112	
KAYSTAR/K-0960RR	.	.	40	.	.	29	1	119	
NORTHSTAR/NS 0923RR	.	.	40	.	.	30	1	114	
DAIRYLAND/DSR-101/RR	.	.	40	.	.	32	1	120	
MALLARD/RRX0912	.	.	39	.	.	29	1	119	
MUSTANG/M-093RR	.	.	38	.	.	29	1	119	
KRUGER/K-122RR	.	.	38	.	.	32	1	119	
DAHLCO/DS X-0080RR	.	.	35	.	.	35	1	109	
DAIRYLAND/DST1114RR	.	.	34	.	.	30	1	117	
PRAIRIE BRAND/PB0941RR	.	.	33	.	.	32	1	116	
RENK/RS071RR	.	.	33	.	.	34	1	110	
SANDS/SOI 0820RR	.	.	30	.	.	23	1	110	
Test average:	50	49	37	33.3	17.4	29	1	116	
LSD(5%) value (\$):	NS	5	5						
Min.top-yield value (\$):	48	48	39						
Coef. of variation (#):	5	6	9						

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.

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

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

NS values within a column are not significant.

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

Table 17. SDSU crop performance testing results—Brookings, maturity group-I Roundup Ready soybean test results, 1999-2001. SDSU Agronomy Farm seeded 25.

Brand / Entry*	Yield - bu/a (13% moisture)			2000	2000	Ht. in.	Ldg. Sc.~	2001	Maturity: Days after seeding
	3yr	2yr	2001	Prot. pct+	Oil pct+			-----	
----- 2001 -----									
----- Maturity: -----									
----- Days -----									
----- after -----									
----- seeding -----									

Entries tested three years									
KRUGER/K-222+RR	52	51	45	33.0	17.5	33	1	.	.
MUSTANG/M-199RR	52	50	44	33.7	17.4	32	1	.	.
DAIRYLAND/DSR-197/RR	50	50	41	33.1	18.0	29	1	.	.
DAIRYLAND/DSR-215/RR	49	50	44	33.1	17.8	33	2	.	.
ASGROW/AG1301	49	49	41	32.5	18.4	35	1	122	.
GOLDEN HARVEST/H1565RR	49	50	42	31.6	17.6	36	2	.	.
PRAIRIE BRAND/PB1620RR	49	50	43	31.8	17.7	36	2	.	.
MUSTANG/M-151RR	47	48	37	32.3	17.6	33	1	.	.
GOLD COUNTRY/6016RR	47	48	39	32.0	17.4	34	2	.	.
COYOTE/9419RR	47	45	40	33.8	17.4	32	1	.	.
TOP FARM/TF6179RR	44	43	38	33.4	18.1	34	2	.	.
HY-VIGOR/2063RR	43	41	34	34.4	17.8	31	1	.	.

Entries tested two years									
KRUGER/K-211ARR	.	52	47	32.3	17.7	33	1	.	.
ZILLER/BT 7101R	.	51	44	32.4	18.1	33	1	119	.
LATHAM/EX-137RR	.	51	44	34.5	16.9	33	2	.	.
KRUGER/K-177RR	.	51	45	32.4	18.2	31	2	.	.
MUSTANG/M-152RR	.	51	43	34.0	17.7	32	1	.	.
DEN BESTEN/DB1202RR	.	50	41	33.3	18.1	31	1	.	.
DAHLCO/DS 9160RR	.	50	40	32.8	17.2	33	2	.	.
MUSTANG/M-132RR	.	50	41	33.9	17.1	31	1	.	.
ZILLER/BT 7150R	.	50	43	31.8	17.7	36	2	.	.
KRUGER/K-166RR	.	50	40	31.8	17.7	37	2	.	.
WENSMAN/W 2160RR	.	50	41	32.0	17.6	34	2	.	.
PRAIRIE BRAND/PB1246RR	.	50	41	34.2	17.2	31	1	.	.
DAHLCO/DS 9145RR	.	49	40	33.1	18.1	31	1	122	.
TOP FARM/E1971RR	.	49	46	33.2	17.8	33	1	.	.
DEN BESTEN/DB1301RR	.	49	42	33.0	17.7	30	1	122	.
DEKALB/DKB19-51	.	49	44	31.7	18.4	34	1	.	.
ASGROW/AG1602	.	49	43	31.3	18.4	33	1	.	.
US SEEDS/US S1501RR	.	49	44	34.0	17.7	33	1	.	.
SANDS/SOI 1515RR	.	48	42	34.4	17.3	31	1	.	.
ZILLER/BT 7191R	.	48	41	32.8	18.0	32	1	.	.
PRAIRIE BRAND/PB1540RR	.	47	41	33.1	17.3	34	1	.	.
MALLARD/RR1511	.	47	42	34.2	17.3	34	1	.	.
DAIRYLAND/DSR-130/RR	.	47	41	32.9	17.2	31	1	121	.
DEKALB/DKB16-51	.	47	38	34.3	17.4	30	1	.	.
DEN BESTEN/DB1601RR	.	47	40	33.9	17.1	34	1	.	.
KALTENBERG/KB150RR	.	46	38	34.5	17.2	33	1	122	.
TOP FARM/TF6149RR	.	44	38	33.6	17.9	32	1	121	.

Entries tested one year									
KRUGER/K-155RR	.	.	48	.	.	33	2	.	.
KRUGER/K-212-2RR	.	.	47	.	.	30	2	.	.
GREAT LAKES/GL1903RR	.	.	47	.	.	31	1	.	.
HY-VIGOR/H-174RR	.	.	46	.	.	31	1	.	.
DEN BESTEN/DB1902RR	.	.	46	.	.	30	1	.	.

Table 17. Brookings, maturity group-I Roundup Ready (continued)

Brand / Entry*	Yield - bu/a (13% moisture)		2000 Prot. pct+	2000 Oil pct+	Ht. in.	----- 2001 -----		
	3yr	2yr				Ldg. Sc.~	Maturity: Days after seeding	

	Entries tested one year							
PROFISEED/PS 4212RR	.	.	46	.	.	33	2	.
THOMPSON/T-3205RR	.	.	45	.	.	29	1	.
PRAIRIE BRAND/PB1701RR	.	.	45	.	.	30	1	.
JACOBSEN/J801RR	.	.	45	.	.	31	1	.
STINE/1303-4	.	.	45	.	.	30	1	.
PRAIRIE BRAND/PB1981RR	.	.	45	.	.	30	1	.
THOMPSON/T-3217RR	.	.	45	.	.	32	2	.
DAIRYLAND/DSR-181/RR	.	.	45	.	.	34	1	.
DEN BESTEN/DB1502RR	.	.	45	.	.	32	1	.
LATHAM/EX-267RR	.	.	45	.	.	29	1	.
WENSMAN/W 2194RR	.	.	45	.	.	31	1	.
KRUGER/K-151RR	.	.	44	.	.	30	1	.
MALLARD/RR1011	.	.	44	.	.	30	1	.
KRUGER/K-212RR	.	.	44	.	.	34	2	.
LATHAM/EX-217RR	.	.	44	.	.	31	2	.
NORTHSTAR/NS 1505RR	.	.	43	.	.	33	1	.
DYNA-GRO/3158RR	.	.	43	.	.	34	1	.
STINE/1708-4	.	.	43	.	.	30	1	.
TOP FARM/E1701RR	.	.	43	.	.	30	1	.
LATHAM/EX-417RR	.	.	43	.	.	32	1	.
MIDWEST SEED/GR1545	.	.	43	.	.	33	1	.
WENSMAN/W 2153RR	.	.	43	.	.	33	1	.
KRUGER/K-221RR	.	.	42	.	.	31	1	.
THOMPSON/T-3176RR	.	.	42	.	.	31	2	.
NORTHSTAR/NS 1706RR	.	.	42	.	.	29	1	.
JACOBSEN/J702RR	.	.	42	.	.	32	2	.
PRAIRIE BRAND/PB1241RR	.	.	42	.	.	30	1	119
KRUGER/K-151-1RR	.	.	42	.	.	31	1	.
GREAT LAKES/GL1709RR	.	.	42	.	.	32	2	.
MIDWEST SEED/GR1845	.	.	42	.	.	35	2	.
RENK/RS101RR	.	.	42	.	.	29	1	.
SANDS/SOI 140RR	.	.	42	.	.	38	2	.
PRAIRIE BRAND/PB1941RR	.	.	42	.	.	27	1	.
PIONEER/91B64	.	.	42	.	.	33	1	.
PRAIRIE BRAND/PB1561RR	.	.	41	.	.	29	1	.
NORTHSTAR/NS 1624RR	.	.	41	.	.	37	2	.
BIO GENE/BG120RR	.	.	41	.	.	30	1	122
KRUGER/K-161RR	.	.	41	.	.	31	1	.
PRAIRIE BRAND/PB1781RR	.	.	41	.	.	33	2	.
JACOBSEN/J609RR	.	.	41	.	.	32	1	.
MALLARD/RRX1312	.	.	41	.	.	31	1	.
KRUGER/K-202-2RR	.	.	40	.	.	32	1	.
PRAIRIE BRAND/PB1821RR	.	.	40	.	.	32	1	.
GOLD COUNTRY/6117RR	.	.	40	.	.	33	1	.
DAIRYLAND/DSR-151/RR	.	.	40	.	.	29	1	.

Table 17. Brookings, maturity group-I Roundup Ready (continued)

Brand / Entry*	Yield - bu/a (13% moisture)			2000 Prot. pct+	2000 Oil pct+	Ht. in.	----- 2001 -----	
	3yr	2yr	2001				Ldg. Sc.~	Maturity: Days after seeding
----- Entries tested one year -----								
WENSMAN/W 2131RR	.	.	40	.	.	32	1	.
MUSTANG/M-171RR	.	.	39	.	.	32	2	.
DEN BESTEN/DB1802RR	.	.	39	.	.	32	1	.
PRAIRIE BRAND/PB1521RR	.	.	39	.	.	31	1	.
RENK/RS159RR	.	.	39	.	.	36	1	.
SANDS/SOI 174RR	.	.	39	.	.	33	2	.
CROWS/C1821R	.	.	39	.	.	33	2	.
STINE/1306-4	.	.	39	.	.	31	1	.
DAHLCO/DS X1180RR	.	.	38	.	.	32	2	.
CROWS/C1530R	.	.	38	.	.	32	1	121
KALTENBERG/KB183RR	.	.	38	.	.	33	1	.
RENK/RS141RR	.	.	38	.	.	29	1	119
KRUGER/K-181RR	.	.	38	.	.	33	2	.
NORTHSTAR/NS 1103RR	.	.	37	.	.	33	1	122
TOP FARM/E1901RR	.	.	37	.	.	31	2	.
PRAIRIE BRAND/PB1721RR	.	.	37	.	.	31	2	.
KRUGER/K-202-1RR	.	.	36	.	.	30	1	.
MIDWEST SEED/GR1931	.	.	31	.	.	33	1	.
Test average:	48	49	41	33.1	17.7	32	1	121
LSD(5%) value (\$):	4	5	5					
Min.top-yield value (\$):	48	47	43					
Coef. of variation (#):	7	6	7					

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.
 \$/+ 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. SDSU crop performance testing results—Brookings, maturity group-II Roundup Ready soybean test results, 1999-2001. SDSU Agronomy Farm, seeded May 25.

Brand / Entry*	Yield - bu/a (13% moisture)			2000 Prot. pct+	2000 Oil pct+	Ht. in.	----- 2001 -----	
	3yr	2yr	2001				Ldg. Sc.~	Maturity: Days after seeding

	Entries tested one year							
MUSTANG/M-201RR	.	.	47	.	.	29	1	.
KRUGER/K-252-3RR	.	.	47	.	.	32	1	.
GOLD COUNTRY/1122RR	.	.	46	.	.	31	1	.
KRUGER/K-262-2RR	.	.	46	.	.	32	1	.
GOLD COUNTRY/2221RR	.	.	46	.	.	30	1	.
ASGROW/AG2302	.	.	46	.	.	32	2	.
KRUGER/K-220RR	.	.	45	.	.	29	1	.
MALLARD/RRX2111	.	.	45	.	.	32	2	.
SANDS/SOI 2401RR	.	.	45	.	.	31	1	.
DAIRYLAND/DSR-221/RR	.	.	45	.	.	31	1	.
KAUP/KS 214R	.	.	45	.	.	32	1	.
KRUGER/K-252-2RR	.	.	45	.	.	30	2	.
PRAIRIE BRAND/PB2131RR	.	.	45	.	.	33	1	.
DEN BESTEN/DB2601RR	.	.	45	.	.	32	1	.
DYNA-GRO/UAP X383RR	.	.	44	.	.	30	1	.
KRUGER/K-250-1RR	.	.	44	.	.	30	1	.
DEN BESTEN/DB2102RR	.	.	44	.	.	31	1	.
WENSMAN/W 2215RR	.	.	44	.	.	32	1	.
ASGROW/AG2102	.	.	44	.	.	31	1	.
GREAT LAKES/XP1521RR	.	.	44	.	.	33	1	.
KRUGER/K-282-2RR	.	.	44	.	.	29	1	.
LATHAM/EX-647RR	.	.	44	.	.	30	1	.
KRUGER/K-250RR	.	.	44	.	.	32	1	.
KAUP/KS 255R	.	.	44	.	.	32	1	.
PRAIRIE BRAND/PB2117RR	.	.	43	.	.	30	1	.
KRUGER/K-272RR	.	.	43	.	.	30	1	.
TOP FARM/E3211RR	.	.	43	.	.	29	1	.
GREAT LAKES/GL2109RR	.	.	43	.	.	32	1	.
HY-VIGOR/H-244RR	.	.	43	.	.	32	1	.
DEKALB/DKB23-51	.	.	43	.	.	30	1	.
KAUP/KS 267R	.	.	43	.	.	34	1	.
MUSTANG/M-222RR	.	.	43	.	.	34	1	.
DEN BESTEN/DBX201RR	.	.	43	.	.	29	1	.
PRAIRIE BRAND/PB2181RR	.	.	43	.	.	32	1	.
KRUGER/K-253-3RR	.	.	43	.	.	27	1	.
DEN BESTEN/DB2402RR	.	.	43	.	.	30	1	.
MUSTANG/M-241RR	.	.	42	.	.	31	1	.
KRUGER/K-254RR	.	.	42	.	.	30	1	.
PIONEER/92B36	.	.	42	.	.	29	1	.
KRUGER/K-283RR	.	.	42	.	.	34	2	.
NORTHSTAR/NS 2004RR	.	.	42	.	.	30	1	.
LATHAM/507RR	.	.	42	.	.	29	1	.
KAUP/KS 244R	.	.	42	.	.	29	1	.
KRUGER/K-252+RR	.	.	41	.	.	29	1	.
DEN BESTEN/DB2301RR	.	.	41	.	.	30	1	.

Table 18. Brookings, maturity group-II Roundup Ready (continued)

Brand / Entry*	Yield - bu/a (13% moisture)		2000 Prot. pct+	2000 Oil pct+	Ht. in.	----- 2001 -----	
	3yr	2yr				Ldg. Sc.~	Maturity: Days after seeding
----- Entries tested one year -----							
THOMPSON/T-3245RR	.	.	41	.	.	29	1 .
MUSTANG/M-211RR	.	.	41	.	.	31	1 .
KRUGER/K-255-5RR	.	.	41	.	.	29	1 .
KRUGER/K-280RR	.	.	41	.	.	29	1 .
NORTHSTAR/NS 2406RR	.	.	41	.	.	30	1 .
LATHAM/457RR	.	.	41	.	.	33	1 .
PRAIRIE BRAND/PB2141RR	.	.	41	.	.	29	1 .
MUSTANG/M-223NRR	.	.	41	.	.	32	1 .
DEN BESTEN/DB2200RR	.	.	41	.	.	32	1 .
KRUGER/K-221-1RR	.	.	41	.	.	29	1 .
WENSMAN/W 2240RR	.	.	40	.	.	30	1 .
PRAIRIE BRAND/PB2261RR	.	.	40	.	.	31	1 .
PRAIRIE BRAND/PB2397RR	.	.	40	.	.	33	1 .
TOP FARM/E2401RR	.	.	40	.	.	30	1 .
ASGROW/AG2202	.	.	40	.	.	30	1 .
PRAIRIE BRAND/PB2297RR	.	.	40	.	.	32	1 .
KRUGER/K-279RR	.	.	40	.	.	31	1 .
KRUGER/K-240RR	.	.	39	.	.	28	1 .
KRUGER/K-255RR	.	.	39	.	.	34	1 .
KRUGER/K-272-2RR	.	.	39	.	.	28	1 .
DEN BESTEN/DB2899RR	.	.	39	.	.	35	1 .
DEN BESTEN/DBX231RR	.	.	39	.	.	30	1 .
KRUGER/K-286RR	.	.	39	.	.	35	1 .
DEN BESTEN/DB2703RR	.	.	38	.	.	31	1 .
DYNA-GRO/3223RR	.	.	38	.	.	30	1 .
LG SEEDS/C 2150RR	.	.	38	.	.	31	1 .
MALLARD/RR2312	.	.	37	.	.	29	1 .
THOMPSON/T-3242RR	.	.	37	.	.	29	1 .
MUSTANG/M-230RR	.	.	37	.	.	29	1 .
NORTHSTAR/NS 2255RR	.	.	34	.	.	30	1 .
KRUGER/K-288-8RR	.	.	34	.	.	31	1 .
Test average:	.	.	41	.	.	31	1 .
LSD(5%) value (\$):	.	.	5				
Min.top-yield value (\$):	.	.	42				
Coef. of variation (#):	.	.	7				

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.
 \$/+ 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 19. SDSU crop performance testing results—Armour, maturity group-I Roundup Ready soybean test results, 1999-2001. Robert Clark Farm, no-till seeded May 18.

Brand / Entry*	Yield - bu/a (13% moisture)			---- 2000 ---		---- 2001 ----	
	3yr	2yr	2001	Prot. pct+	Oil pct+	Ht. in.	Lodging Scale~
----- Entries tested three years -----							
KRUGER/K-202+RR	44	43	39	33.6	17.9	25	1
COYOTE/9419RR	44	44	42	32.6	18.4	26	1
MUSTANG/M-199RR	41	40	39	32.8	18.2	26	1
----- Entries tested two years -----							
DEKALB/DKB19-51	.	49	47	32.7	18.5	30	1
KRUGER/K-211ARR	.	46	44	33.1	18.2	25	1
KRUGER/K-222RR	.	46	44	33.1	18.4	23	1
SANDS/SOI 1800RR	.	45	50	32.8	18.5	28	1
SANDS/SOI 1515RR	.	42	42	34.5	17.6	30	1
DEN BESTEN/DB1601RR	.	40	41	33.8	18.6	25	1
----- Entries tested one year -----							
KRUGER/K-212-2RR	.	.	49	.	.	26	1
THOMPSON/T-3205RR	.	.	49	.	.	27	1
KRUGER/K-212RR	.	.	48	.	.	29	1
KRUGER/K-202-2RR	.	.	48	.	.	28	1
DEN BESTEN/DB1902RR	.	.	47	.	.	24	1
RENK/RS199RR	.	.	47	.	.	28	1
KRUGER/K-232-2RR	.	.	46	.	.	26	1
JACOBSEN/J702RR	.	.	46	.	.	29	1
PROFISEED/PS 4212RR	.	.	45	.	.	27	1
ASGROW/AG1602	.	.	44	.	.	28	1
KRUGER/K-181RR	.	.	44	.	.	30	1
KRUGER/K-161RR	.	.	43	.	.	28	1
PRAIRIE BRAND/PB1981RR	.	.	42	.	.	26	1
PRAIRIE BRAND/PB1721RR	.	.	42	.	.	29	1
PRAIRIE BRAND/PB1941RR	.	.	41	.	.	25	1
SANDS/SOI 174RR	.	.	41	.	.	27	1
KRUGER/K-202-1RR	.	.	41	.	.	30	1
CROWS/C1821R	.	.	40	.	.	30	1
KRUGER/K-221RR	.	.	40	.	.	27	1
KALTENBERG/KB183RR	.	.	40	.	.	26	1
NORTHSTAR/NS 1706RR	.	.	40	.	.	24	1
GOLD COUNTRY/6117RR	.	.	40	.	.	26	1
PROFISEED/PS 4192RR	.	.	39	.	.	22	1
RENK/RS159RR	.	.	39	.	.	31	1
JACOBSEN/J790RR	.	.	39	.	.	28	1
----- Entries tested one year -----							
PRAIRIE BRAND/PB1821RR	.	.	38	.	.	24	1
DEN BESTEN/DB1802RR	.	.	38	.	.	22	1
DEN BESTEN/DB1502RR	.	.	37	.	.	25	1
KALTENBERG/KB172RR	.	.	36	.	.	25	1
MIDWEST SEED/GR1931	.	.	33	.	.	28	1
DEN BESTEN/DB1301RR	.	.	32	.	.	26	1
Test average:	43	44	41	33.2	18.3	27	1
LSD(5%) value (\$):	NS	NS	8				
Min.top-yield value (\$):	41	40	42				
Coef. of variation (#):	11	13	12				

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.

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

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

NS values within a column are not significant.

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

Table 20. SDSU crop performance testing results—Armour, maturity group-II Roundup Ready soybean test results, 1999-2001. Robert Clark Farm, no-till seeded May 18.

Brand / Entry*	Yield - bu/a (13% moisture)			---- 2000 ---		---- 2001 ----	
	3yr	2yr	2001	Prot. pct+	Oil pct+	Ht. in.	Lodging Scale~
----- Entries tested three years -----							
LATHAM/457RR	48	47	49	33.4	18.8	31	1
KRUGER/K-250RR	48	47	50	33.1	18.5	33	1
KAUP/KS 237R	48	47	50	33.7	17.8	33	1
HOEGEMEYER/230RR	47	46	51	34.6	17.5	32	1
DEN BESTEN/DB2200RR	47	45	48	34.9	17.6	30	1
MUSTANG/M-271RR	47	45	49	33.8	18.5	34	2
PRAIRIE BRAND/PB2397RR	46	45	46	33.3	18.6	27	1
PRAIRIE BRAND/PB2717RR	46	46	51	34.4	18.3	32	2
DEN BESTEN/DB2899RR	45	43	46	34.5	17.7	28	1
MUSTANG/M-222RR	45	43	49	33.8	18.0	30	1
PRAIRIE BRAND/PB2297RR	45	43	43	33.1	18.2	29	1
GREAT LAKES/GL2300RR	44	41	48	33.7	18.4	27	1
DAIRYLAND/DSR-241/RR	44	43	40	33.8	18.3	25	1
HOEGEMEYER/241RR	39	38	41	33.9	18.0	25	1
----- Entries tested two years -----							
MUSTANG/M-242RR	.	49	52	35.8	16.4	30	1
KRUGER/K-244RR	.	49	52	33.6	18.0	28	1
ASGROW/AG2703	.	47	51	33.5	18.3	31	1
KRUGER/K-279RR	.	47	48	33.1	18.2	28	1
SANDS/SOI 271RR	.	46	52	33.2	18.1	31	1
DEN BESTEN/DB2601RR	.	46	47	33.7	17.8	30	1
SANDS/SOI 226RR	.	46	47	34.2	17.5	32	1
DAIRYLAND/DSR-228/RR	.	45	46	35.0	17.7	27	1
DYNA-GRO/3232RR	.	45	47	33.5	18.4	30	1
SANDS/SOI 2526RR	.	45	45	32.6	18.5	31	1
ASGROW/AG2302	.	44	47	34.9	18.2	28	1
DEKALB/DKB28-51	.	44	40	32.7	17.6	28	1
KRUGER/K-262+RR	.	44	44	34.6	17.7	29	1
GOLDEN HARVEST/H2304RR	.	42	43	33.4	18.5	28	1
MUSTANG/M-272RR	.	42	46	33.4	17.7	33	1
LG SEEDS/C 2425RR	.	42	49	34.2	17.6	29	1
DEKALB/DKB26-51	.	42	44	32.6	18.6	30	1
US SEEDS/US S2201RR	.	42	46	34.7	18.8	31	1
ASGROW/AG2102	.	42	42	34.3	18.1	27	1
COYOTE/9626RR	.	41	42	34.7	17.1	31	1
PUBLIC/SD99-099R	.	40	41	34.2	17.9	26	1
PRAIRIE BRAND/PB2117RR	.	36	36	33.1	18.4	27	1
----- Entries tested one year -----							
STINE/1918-4	.	.	55	.	.	27	1
LATHAM/EX-927RR	.	.	54	.	.	26	1
GOLD COUNTRY/EXP-328RR	.	.	53	.	.	32	2
PRAIRIE BRAND/PB2841RR	.	.	52	.	.	27	1
KRUGER/K-282-2RR	.	.	51	.	.	28	1
KRUGER/K-272-2RR	.	.	51	.	.	27	1
DYNA-GRO/3270RR	.	.	50	.	.	34	2
KRUGER/K-250-1RR	.	.	50	.	.	28	1
KRUGER/K-286RR	.	.	50	.	.	36	1
KRUGER/K-252-2RR	.	.	50	.	.	27	1

Table 20. Armour, maturity group-II, Roundup Ready (continued)

Brand / Entry*	Yield - bu/a (13% moisture)			---- 2000 ---		---- 2001 ----	
	3yr	2yr	2001	Prot. pct+	Oil pct+	Ht. in.	Lodging Scale~
	----- Entries tested one year -----						
DYNA-GRO/3213RR	.	.	50	.	.	32	1
MUSTANG/M-280RR	.	.	50	.	.	32	1
PROFISEED/PS 4211RR	.	.	50	.	.	29	1
GREAT LAKES/GL2419RR	.	.	50	.	.	31	1
TOP FARM/E3211RR	.	.	50	.	.	25	1
PRAIRIE BRAND/PB2261RR	.	.	50	.	.	29	1
PRAIRIE BRAND/PB2431RR	.	.	49	.	.	28	1
PIONEER/93B01	.	.	49	.	.	28	1
KRUGER/K-283RR	.	.	49	.	.	30	1
PRAIRIE BRAND/PB2141RR	.	.	49	.	.	25	1
KAUP/KS 244R	.	.	48	.	.	25	1
KRUGER/K-252-3RR	.	.	48	.	.	24	1
PRAIRIE BRAND/PB2181RR	.	.	48	.	.	27	1
DAIRYLAND/DSR-221/RR	.	.	48	.	.	28	1
MUSTANG/M-230RR	.	.	48	.	.	28	1
TOP FARM/E2401RR	.	.	48	.	.	27	1
HOEGEMEYER/2222RR	.	.	47	.	.	33	1
LATHAM/EX-867RR	.	.	47	.	.	28	1
JACOBSEN/J794RR	.	.	47	.	.	24	1
KAUP/KS 255R	.	.	47	.	.	32	1
PRAIRIE BRAND/PB2441RR	.	.	47	.	.	26	1
SANDS/SOI 2792RR	.	.	47	.	.	32	1
PROFISEED/PS 4240RR	.	.	47	.	.	22	1
PRAIRIE BRAND/PB2421RR	.	.	47	.	.	26	1
PRAIRIE BRAND/PB2481RR	.	.	47	.	.	24	1
JACOBSEN/J897RR	.	.	47	.	.	31	1
KAUP/KS 279R	.	.	47	.	.	31	1
ASGROW/AG2402	.	.	46	.	.	29	1
PRAIRIE BRAND/PB2861RR	.	.	46	.	.	30	1
HY-VIGOR/H-244RR	.	.	46	.	.	27	1
MUSTANG/M-241RR	.	.	46	.	.	27	1
PROFISEED/PS 4242RR	.	.	46	.	.	24	1
SANDS/SOI 2459RR	.	.	46	.	.	27	1
KRUGER/K-220RR	.	.	46	.	.	24	1
TOP FARM/E3231RR	.	.	46	.	.	22	1
KAUP/KS 267R	.	.	46	.	.	29	1
DEN BESTEN/DB2301RR	.	.	46	.	.	27	1
STINE/2103-4	.	.	45	.	.	29	1
PRAIRIE BRAND/PB2131RR	.	.	45	.	.	29	1
PROFISEED/PS X425RR	.	.	45	.	.	30	1
NORTHSTAR/NS 2004RR	.	.	45	.	.	26	1
PIONEER/92B36	.	.	45	.	.	28	1
MUSTANG/M-223NRR	.	.	45	.	.	28	1
MIDWEST SEED/GR2645	.	.	45	.	.	28	1
DAIRYLAND/DST2129/RR	.	.	45	.	.	28	1
MIDWEST SEED/GR2132	.	.	45	.	.	29	1
STINE/2136-4	.	.	45	.	.	28	1
KRUGER/K-255-5RR	.	.	45	.	.	27	1
LG SEEDS/C 2150RR	.	.	44	.	.	28	1
PRAIRIE BRAND/PB2821RR	.	.	44	.	.	28	1

Table 20. Armour, maturity group-II, Roundup Ready (continued)

Brand / Entry*	Yield - bu/a (13% moisture)			---- 2000 --- Prot. Oil		---- 2001 ---- Ht. Lodging	
	3yr	2yr	2001	pct+	pct+	in.	Scale~
	----- Entries tested one year -----						
DEN BESTEN/DBX231RR	.	.	44	.	.	27	1
PRAIRIE BRAND/PB2541RR	.	.	44	.	.	25	1
GOLD COUNTRY/6224RR	.	.	44	.	.	25	1
DEN BESTEN/DB2703RR	.	.	44	.	.	28	1
RENK/RS231RR	.	.	44	.	.	29	1
SANDS/SOI 2802RR	.	.	44	.	.	27	1
KRUGER/K-253-3RR	.	.	44	.	.	23	1
DEN BESTEN/DB2402RR	.	.	44	.	.	27	1
KRUGER/K-288-8RR	.	.	44	.	.	31	1
TOP FARM/E2431RR	.	.	44	.	.	26	1
JACOBSEN/J816RR	.	.	44	.	.	31	1
MUSTANG/M-211RR	.	.	43	.	.	28	1
NORTHSTAR/NS 2406RR	.	.	43	.	.	26	1
ASGROW/AG2202	.	.	43	.	.	30	1
GREAT LAKES/GL2515RR	.	.	43	.	.	31	1
DYNA-GRO/3263RR	.	.	43	.	.	27	1
PROFISEED/PS 4262RR	.	.	43	.	.	28	1
HOEGEMEYER/2111RR	.	.	43	.	.	24	1
KRUGER/K-221-1RR	.	.	42	.	.	27	1
RENK/RS240RR	.	.	42	.	.	26	1
GOLDEN HARVEST/H2888RR	.	.	42	.	.	32	1
DEN BESTEN/DBX201RR	.	.	42	.	.	25	1
KRUGER/K-272RR	.	.	42	.	.	27	1
MIDWEST SEED/GR2485	.	.	42	.	.	26	1
SANDS/SOI 2959RR	.	.	42	.	.	29	1
MUSTANG/M-261RR	.	.	41	.	.	24	1
MUSTANG/M-201RR	.	.	41	.	.	24	1
COYOTE/9425RR	.	.	41	.	.	26	1
SANDS/SOI 2601RR	.	.	41	.	.	27	1
GOLD COUNTRY/2124RR	.	.	41	.	.	28	1
MIDWEST SEED/GR2626	.	.	41	.	.	26	1
KRUGER/K-262-2RR	.	.	40	.	.	29	1
DEN BESTEN/DB2102RR	.	.	40	.	.	24	1
KRUGER/K-255RR	.	.	40	.	.	31	1
GREAT LAKES/GL2200RR	.	.	39	.	.	26	1
SANDS/SOI 2401RR	.	.	39	.	.	24	1
DYNA-GRO/3223RR	.	.	39	.	.	27	1
CROWS/C2606R	.	.	39	.	.	28	1
PRAIRIE BRAND/PB2621RR	.	.	39	.	.	24	1
CROWS/C24009RN	.	.	37	.	.	26	1
NORTHSTAR/NS 2255RR	.	.	35	.	.	22	1
Test average:	46	44	45	33.9	18.0	28	1
LSD(5%) value (\$):	NS	NS	8				
Min.top-yield value (\$):	39	36	47				
Coef. of variation (#):	11	10	11				

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.
 \$/+ See yield / protein and oil sections, respectively.
 ~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.
 NS values within a column are not significant.
 # Measure of experimental error: values of < 15% are desired.

**Table 21. SDSU crop performance testing results—Beresford, maturity group—I
Roundup Ready soybean test results, 1999-2001. S.E. Research Farm, seeded
May 16.**

Brand / Entry*	Yield - bu/a (13% moisture)			2000	2000	Ht. in.	Ldg. Sc.~	----- 2001 ----- Maturity: Days after seeding
	3yr	2yr	2001	Prot. pct+	Oil pct+			

Entries tested three years								
KRUGER/K-232-1RR	56	55	55	33.2	18.2	42	2	132
PROFISEED/PS 4206RR	55	56	57	33.3	17.7	42	2	133
MUSTANG/M-199RR	51	54	55	34.4	18.0	38	1	129

Entries tested two years								
KRUGER/K-199+RR	.	56	56	33.3	18.2	37	2	132
ZILLER/BT 7191R	.	56	55	33.9	18.6	37	1	132
TOP FARM/E1971RR	.	56	55	33.4	18.8	39	2	130
KRUGER/K-211ARR	.	56	55	33.1	18.1	38	2	133
KRUGER/K-222RR	.	55	56	33.8	18.3	36	1	131
KRUGER/K-221+RR	.	55	53	33.4	17.9	39	2	132
KRUGER/K-166RR	.	51	52	31.6	18.6	43	2	123
SANDS/SOI 1800RR	.	51	51	32.6	18.7	37	1	126
DEKALB/DKB19-51	.	51	50	32.2	18.8	36	1	127
DEN BESTEN/DB1601RR	.	50	53	33.5	18.4	38	1	128

Entries tested one year								
THOMPSON/T-3205RR	.	.	59	.	.	33	1	133
KRUGER/K-212-2RR	.	.	58	.	.	34	1	132
PRAIRIE BRAND/PB1981RR	.	.	57	.	.	38	2	130
DEN BESTEN/DB1902RR	.	.	56	.	.	35	1	133
LATHAM/EX-417RR	.	.	56	.	.	40	2	130
THOMPSON/T-3217RR	.	.	56	.	.	39	2	130
PROFISEED/PS 4212RR	.	.	56	.	.	40	1	131
DEN BESTEN/DB1502RR	.	.	56	.	.	38	1	123
JACOBSEN/J702RR	.	.	55	.	.	39	1	129
RENK/RS199RR	.	.	54	.	.	36	2	124
DEN BESTEN/DB1802RR	.	.	54	.	.	37	1	125
THOMPSON/T-3225RR	.	.	54	.	.	38	1	129
SANDS/SOI 174RR	.	.	54	.	.	44	2	125
PROFISEED/PS 4192RR	.	.	54	.	.	32	2	131
PRAIRIE BRAND/PB1821RR	.	.	53	.	.	38	1	128
KRUGER/K-212RR	.	.	53	.	.	40	2	130
PRAIRIE BRAND/PB1941RR	.	.	53	.	.	31	1	132
KRUGER/K-221RR	.	.	53	.	.	37	1	130
TOP FARM/E1701RR	.	.	53	.	.	36	1	129
KRUGER/K-161RR	.	.	52	.	.	35	1	127
JACOBSEN/J792RR	.	.	51	.	.	42	2	133
KRUGER/K-202-1RR	.	.	50	.	.	36	1	130
ASGROW/AG1602	.	.	50	.	.	37	2	121
TOP FARM/E1901RR	.	.	50	.	.	35	2	130
RENK/RS159RR	.	.	49	.	.	40	1	123

Table 21. Beresford, maturity group-I, Roundup Ready (continued)

Brand / Entry*	Yield - bu/a (13% moisture)			2000 Prot. pct+	2000 Oil pct+	Ht. in.	----- 2001 ----- Maturity: Days after seeding	
	3yr	2yr	2001				Ldg. Sc.~	

	Entries tested one year							
KRUGER/K-202-2RR	.	.	49	.	.	37	2	127
DEN BESTEN/DB1301RR	.	.	49	.	.	34	1	118
KRUGER/K-181RR	.	.	47	.	.	37	2	130
KRUGER/K-151-1RR	.	.	46	.	.	35	1	126
MIDWEST SEED/GR1931	.	.	44	.	.	44	2	125
HY-VIGOR/2063RR	.	.	43	.	.	38	1	126

Test average:	54	53	52	33.2	18.4	38	1	128
LSD(5%) value (\$):	NS	4	5					
Min.top-yield value (\$):	51	52	54					
Coef. of variation (#):	9	6	6					

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.
 \$/+ See yield / protein and oil sections, respectively.
 ~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.
 NS values within a column are not significant.
 # Measure of experimental error: values of < 15% are desired.

Table 22. SDSU crop performance testing results—Beresford, maturity group—II Roundup Ready soybean test results, 1999-2001. S.E. Research Farm, seeded May 16.

Brand / Entry*	Yield - bu/a (13% moisture)			2000 Prot. pct+	2000 Oil pct+	Ht. in.	Ldg. Sc.~	----- 2001 ----- Maturity: Days after seeding
	3yr	2yr	2001					
----- Entries tested three years -----								
KRUGER/K-250RR	56	57	54	34.0	17.7	39	2	.
MUSTANG/M-222RR	55	57	57	34.1	17.3	42	2	.
PRAIRIE BRAND/PB2397RR	55	55	55	33.8	18.2	41	2	.
KAUP/KS 237R	54	55	53	34.1	17.6	41	2	132
PRAIRIE BRAND/PB2297RR	54	55	55	33.5	17.6	39	2	.
DEN BESTEN/DB2200RR	52	54	53	34.0	17.4	41	2	129
HOEGEMEYER/241RR	51	53	53	34.0	17.7	37	1	130
GREAT LAKES/GL2300RR	49	53	54	34.5	17.6	39	2	129
HOEGEMEYER/230RR	49	52	49	33.1	17.9	45	3	.
DEN BESTEN/DB2899RR	48	51	51	33.4	18.1	38	2	.
US SEEDS/US S2709RR	43	53	50	33.4	18.4	45	3	.
MUSTANG/M-271RR	42	52	51	34.1	18.2	43	3	.
----- Entries tested two years -----								
DEN BESTEN/DB2601RR	.	59	61	33.5	17.7	38	2	.
PRAIRIE BRAND/PB2117RR	.	58	58	33.9	17.8	38	2	131
KRUGER/K-269RR	.	58	57	33.9	17.8	41	2	130
PRAIRIE BRAND/PB2730RR	.	58	57	33.5	18.0	39	2	.
SANDS/SOI 271RR	.	57	55	33.5	17.7	38	2	.
MUSTANG/M-272RR	.	57	54	33.5	17.6	39	2	.
ASGROW/AG2703	.	56	50	33.3	18.4	38	1	132
DEKALB/DKB28-51	.	55	55	33.7	17.1	39	2	.
SANDS/SOI 226RR	.	55	55	33.8	17.8	41	2	132
KRUGER/K-279RR	.	55	54	33.1	17.8	37	2	.
DEKALB/DKB23-51	.	55	52	34.2	17.8	37	1	128
DEKALB/DKB26-52	.	55	55	33.6	18.5	42	3	134
HY-VIGOR/266RR	.	54	54	34.3	17.1	38	2	132
GOLDEN HARVEST/H2304RR	.	54	53	34.0	18.2	40	2	132
KRUGER/K-252+RR	.	54	54	34.5	17.8	35	3	.
ASGROW/AG2302	.	53	54	32.6	19.0	41	1	126
PRAIRIE BRAND/PB2717RR	.	53	53	34.6	17.9	45	3	.
DYNA-GRO/3232RR	.	53	53	33.8	18.3	40	2	133
DAIRYLAND/DSR-228/RR	.	52	49	34.6	18.1	39	1	129
KALTENBERG/KB261RR	.	51	53	33.6	18.5	44	3	.
GOLDEN HARVEST/H2888RR	.	51	50	34.5	17.6	40	3	.
SANDS/SOI 2526RR	.	51	49	32.2	18.9	43	3	.
MUSTANG/M-242RR	.	50	50	35.5	16.3	36	1	.
COYOTE/9626RR	.	50	49	34.8	17.0	38	2	134
ZILLER/BT 7211R	.	50	51	34.4	18.4	37	1	127
----- Entries tested one year -----								
LATHAM/EX-397RR	.	.	62	.	.	35	1	132
PRAIRIE BRAND/PB2841RR	.	.	61	.	.	37	1	.
KRUGER/K-252-3RR	.	.	60	.	.	39	1	.
KRUGER/K-252-2RR	.	.	58	.	.	37	2	134
LATHAM/EX-927RR	.	.	58	.	.	38	1	.

Table 22. Beresford, maturity group-II Roundup Ready (continued)

Brand / Entry*	Yield - bu/a (13% moisture)		2000 Prot. pct+	2000 Oil pct+	Ht. in.	----- 2001 -----	
	3yr	2yr				Ldg. Sc.~	Maturity: Days after seeding

	Entries tested one year						
KALTENBERG/KB250NRR	.	.	58	.	.	39	1 131
KAUP/KS 284R	.	.	58	.	.	35	1 .
TOP FARM/E2431RR	.	.	58	.	.	37	1 .
SANDS/SOI 2601RR	.	.	58	.	.	39	2 .
KRUGER/K-253-3RR	.	.	58	.	.	33	1 134
PRAIRIE BRAND/PB2141RR	.	.	58	.	.	34	1 131
DEN BESTEN/DB2402RR	.	.	58	.	.	35	1 132
DYNA-GRO/3278RR	.	.	57	.	.	38	2 .
LATHAM/EX-427RR	.	.	57	.	.	40	1 .
PIONEER/93B01	.	.	57	.	.	37	2 .
KRUGER/K-283RR	.	.	57	.	.	43	2 .
PRAIRIE BRAND/PB2421RR	.	.	57	.	.	35	2 133
MUSTANG/M-201RR	.	.	57	.	.	34	1 130
LATHAM/757RR	.	.	57	.	.	37	2 .
LATHAM/EX-867RR	.	.	56	.	.	43	3 133
ASGROW/AG2905	.	.	56	.	.	36	2 .
TOP FARM/E3211RR	.	.	56	.	.	34	1 132
PRAIRIE BRAND/PB2131RR	.	.	56	.	.	41	2 130
STINE/2136-4	.	.	56	.	.	38	2 133
GREAT LAKES/XP1527RR	.	.	56	.	.	38	1 .
THOMPSON/T-3275RR	.	.	56	.	.	38	2 133
KRUGER/K-262-2RR	.	.	56	.	.	41	2 132
PROFISEED/PS 4262RR	.	.	56	.	.	40	2 .
LATHAM/EX-657RR	.	.	56	.	.	35	1 .
DEN BESTEN/DB2703RR	.	.	56	.	.	37	1 133
MUSTANG/M-211RR	.	.	55	.	.	41	2 129
PROFISEED/PS 4242RR	.	.	55	.	.	34	1 .
DYNA-GRO/3213RR	.	.	55	.	.	41	2 130
DAIRYLAND/DSR-221/RR	.	.	55	.	.	35	1 128
KRUGER/K-255-5RR	.	.	55	.	.	36	2 .
PRAIRIE BRAND/PB2861RR	.	.	55	.	.	42	3 .
PRAIRIE BRAND/PB2431RR	.	.	55	.	.	37	1 .
LATHAM/EX-647RR	.	.	55	.	.	37	2 132
LATHAM/EX-787RR	.	.	54	.	.	41	2 133
MUSTANG/M-280RR	.	.	54	.	.	36	1 .
TOP FARM/E2401RR	.	.	54	.	.	36	1 134
PRAIRIE BRAND/PB2261RR	.	.	54	.	.	40	2 134
TOP FARM/E3231RR	.	.	54	.	.	34	2 131
DAIRYLAND/DST2129/RR	.	.	54	.	.	38	1 126
HOEGEMEYER/270RR	.	.	54	.	.	43	2 .
PROFISEED/PS 4211RR	.	.	54	.	.	38	2 128
KRUGER/K-221-1RR	.	.	54	.	.	38	1 130
KAUP/KS 244R	.	.	54	.	.	37	1 131
KAUP/KS 267R	.	.	54	.	.	39	2 .
NORTHSTAR/NS 2406RR	.	.	54	.	.	37	1 131

Table 22. Beresford, maturity group-II Roundup Ready (continued)

Brand / Entry*	Yield - bu/a (13% moisture)		2000 Prot. pct+	2000 Oil pct+	Ht. in.	----- 2001 ----- Maturity: Days after seeding		
	3yr	2yr				Ldg. Sc.~		
----- Entries tested one year -----								
SANDS/SOI 2401RR	.	.	54	.	.	36	1	.
DEN BESTEN/DB2301RR	.	.	53	.	.	39	2	132
MUSTANG/M-241RR	.	.	53	.	.	37	1	130
PROFISEED/PS 4240RR	.	.	53	.	.	37	2	.
GOLD COUNTRY/EXP-328RR	.	.	53	.	.	41	2	.
KRUGER/K-272-2RR	.	.	53	.	.	35	2	.
KRUGER/K-282-2RR	.	.	53	.	.	37	1	.
GREAT LAKES/GL2515RR	.	.	53	.	.	40	1	132
DEN BESTEN/DB2102RR	.	.	53	.	.	39	2	130
THOMPSON/T-3245RR	.	.	53	.	.	34	1	133
MALLARD/RR2312	.	.	53	.	.	36	1	130
SANDS/SOI 2959RR	.	.	53	.	.	39	3	.
SANDS/SOI 2792RR	.	.	53	.	.	42	2	.
MALLARD/RRX2111	.	.	53	.	.	39	1	131
RENK/RS231RR	.	.	53	.	.	40	1	.
HY-VIGOR/2431RR	.	.	53	.	.	36	1	.
KRUGER/K-255RR	.	.	53	.	.	40	2	.
GREAT LAKES/GL2200RR	.	.	53	.	.	37	1	128
MUSTANG/M-261RR	.	.	53	.	.	39	3	.
PRAIRIE BRAND/PB2481RR	.	.	52	.	.	35	1	134
KRUGER/K-272RR	.	.	52	.	.	38	1	.
ASGROW/AG2402	.	.	52	.	.	39	2	.
GREAT LAKES/GL2419RR	.	.	52	.	.	35	1	.
CROWS/C2606R	.	.	52	.	.	42	2	.
KRUGER/K-250-1RR	.	.	52	.	.	35	1	133
RENK/RS240RR	.	.	52	.	.	38	1	127
MIDWEST SEED/GR2132	.	.	52	.	.	37	1	128
KRUGER/K-240RR	.	.	52	.	.	36	1	133
MIDWEST SEED/GR2485	.	.	52	.	.	40	2	133
GREAT LAKES/GL2704RR	.	.	51	.	.	40	3	.
KRUGER/K-288-8RR	.	.	51	.	.	39	2	.
KAUP/KS 255R	.	.	51	.	.	40	2	133
KRUGER/K-286RR	.	.	51	.	.	40	2	.
HOEGEMEYER/2222RR	.	.	51	.	.	40	1	133
PRAIRIE BRAND/PB2441RR	.	.	51	.	.	35	1	132
PRAIRIE BRAND/PB2821RR	.	.	51	.	.	41	3	.
MIDWEST SEED/GR2626	.	.	51	.	.	40	3	133
SANDS/SOI 2459RR	.	.	51	.	.	35	1	.
PRAIRIE BRAND/PB2541RR	.	.	50	.	.	39	2	.
MIDWEST SEED/GR2631	.	.	50	.	.	37	1	.
MUSTANG/M-223NRR	.	.	50	.	.	36	2	133
KRUGER/K-254RR	.	.	50	.	.	37	2	133
LATHAM/EX-917RR	.	.	50	.	.	40	2	.
JACOBSEN/J816RR	.	.	50	.	.	39	2	132
COYOTE/9425RR	.	.	50	.	.	39	2	132

Table 22. Beresford, maturity group-II Roundup Ready (continued)

Brand / Entry*	Yield - bu/a (13% moisture)			2000 Prot. pct+	2000 Oil pct+	Ht. in.	----- 2001 -----	
	3yr	2yr	2001				Ldg. Sc.~	Maturity: Days after seeding
	----- Entries tested one year -----							
SANDS/SOI 2802RR	.	.	50	.	.	41	2	134
KRUGER/K-280RR	.	.	50	.	.	35	2	.
DYNA-GRO/3263RR	.	.	50	.	.	40	2	133
HY-VIGOR/299XRR	.	.	50	.	.	40	2	.
DEN BESTEN/DBX201RR	.	.	50	.	.	37	2	131
JACOBSEN/J897RR	.	.	49	.	.	41	3	.
MUSTANG/M-230RR	.	.	49	.	.	37	2	132
NORTHSTAR/NS 2004RR	.	.	49	.	.	40	1	127
PRAIRIE BRAND/PB2621RR	.	.	49	.	.	35	2	.
DEN BESTEN/DBX231RR	.	.	49	.	.	37	2	131
PROFISEED/PS X425RR	.	.	49	.	.	40	2	133
NORTHSTAR/NS 2255RR	.	.	48	.	.	42	2	.
PRAIRIE BRAND/PB2633RR	.	.	48	.	.	41	2	.
STINE/2103-4	.	.	48	.	.	34	1	133
THOMPSON/EX0816RR	.	.	48	.	.	36	2	132
LATHAM/EX-747RRN	.	.	47	.	.	35	1	133
PRAIRIE BRAND/PB2181RR	.	.	46	.	.	36	2	134
CROWS/C24009RN	.	.	46	.	.	39	2	127
PIONEER/92B36	.	.	46	.	.	37	1	134
US SEEDS/US S2602RR	.	.	46	.	.	37	1	.
HY-VIGOR/216RR	.	.	45	.	.	39	1	129
Test average:	51	54	52	33.9	17.9	39	2	131
LSD(5%) value (\$):	NS	4	6					
Min.top-yield value (\$):	42	55	56					
Coef. of variation (#):	10	8	7					

* Ck/SCN = maturity check / soybean cyst nematode resistant, respectively.
 \$/+ See yield / protein and oil sections, respectively.
 ~ Lodging: 1= all plants erect, 3= some at 45 degrees, 5= all plants flat.
 NS values within a column are not significant.
 # Measure of experimental error: values of < 15% are desired.