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# 2002

# WISCONSIN SOYBEAN VARIETY TEST RESULTS

**Department of Agronomy**
**College of Agricultural and Life Science**
**University of Wisconsin-Madison**

**Wisconsin Crop Improvement Association**

**Wisconsin Soybean Marketing Board**

**University of Wisconsin - Extension**

# 2002 WISCONSIN SOYBEAN VARIETY TESTS

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The Wisconsin Soybean Variety Test is conducted each year with the producer's needs in mind. Our objective is to give producers the information they need to select varieties that will satisfy their specific goals and are most likely to perform best under his/her management practices.

## How the Entries were Tested

Seed companies, private breeders, and university research and extension specialists voluntarily submitted any number of entries they wished. Most of these entries are commercially available, but experimental varieties were also tested. Several commercial and public cultivars were included for comparison.

Tests were conducted at all locations using conventional or reduced tillage practices. The BSR tests were planted at a seeding rate of 125,000 seeds/acre, White Mold tests were planted at 225,000 seeds/acre, while the standard variety test were planted at 175,000 seeds/acre, as listed in Table 1. Tests were conducted as a randomized complete block design, in a split-block arrangement, with three or four replications. Weeds on the conventional and STS varieties were controlled by a combination of herbicides, as listed in Table 1. Roundup was applied post-emergence on "Roundup Ready" varieties.

## Growing Conditions[1]

Soybeans were planted in Wisconsin at near normal rates with 62% of the acreage planted by May 26, compared to a 5-year average of 65%, and 88% of the crop planted by June 9th. Soybean plant development from emergence to flowering was slowed in many parts of the state due to very cold growing conditions in May and early June. Many plants struggled to get 5 trifoliate leaves by the first of July. However, warm temperatures and ample rainfall in late June allowed the crop to catch up and 42% of the acreage was flowering by mid-July. August and September rainfall in the central and northern parts of the state was favorable for pod fill and good test weights. Very dry conditions persisted in the southeastern portion of the state affecting yields dramatically.

Harvesting progress of this years 1.42 million acre crop lagged behind normal with only 69% of the crop harvested by late October due to much colder temperatures and heavy precipitation in many areas of the state. Northern and western counties reported excellent yields whereas many southeastern counties reported variable yields due to lack of precipitation and generally dry conditions during the last half of the growing season.

Soybean yields in Wisconsin are expected to average 42 bushels per acre, 5 bushels above 2001 levels. Production is

forecast at 59.6 million bushels, a 3% increase from a year ago.

Average yields of entries at a test site compared to the long-term average can be used to compare growing conditions in a particular area. Yield comparisons at all test sites are shown in Table 1.

[1] Source: National Agricultural Statistics Service (NASS):http:/www.usda.gov/nass/

## How Performance was Measured

Yield: Plots were weighed and moisture was determined in the field using electronic equipment on the plot harvester. Yields are reported in bushels (60 pounds/bushel) per acre at a moisture content of 13 percent.

Height: Plant height was measured in inches from the soil surface to the tip of the main stem at harvest time.

Lodging: Lodging scores were based on the average erectness of the main stem of plants at maturity. 1 = all plants erect, 2 = slight lodging, 3 = plants lodged at 45$^{o}$ angle, 4 = severe lodging, 5 = all plants flat.

Maturity: An entry was considered mature when at least 90 percent of the pods had turned their mature color. Seven to ten days of drying weather are generally required before soybeans are ready to combine. Variety performance is presented by originator/brand, then from earliest to latest based on the relative maturity of the variety.

Other Characteristics: Table 13 lists identifying characteristics of the public entries and Table 14 lists identifying characteristics of commercial entries.

## Protein and Oil

This year's Wisconsin soybean performance summary includes protein and oil content levels of all the varieties tested. Seed samples from all varieties grown in one location (Arlington, Fond du Lac, Valders, and Sturgeon Bay) in each of the growing regions were collected and analyzed using a near infrared transmittance (NIRT) grain analyzer to determine composition values. Values shown in Tables 2 to 5 are averages of a composite sample taken from all replicates in each study. Individual replicate samples will be analyzed and full statistical analysis means will be made available on our web site.

Soybeans are grown primarily for their protein content, and secondarily for their oil. Most soybean growers think of a bushel of soybeans as 60 lbs of soybean grain. The crushing industry however views that same bushel as 47.5 lbs of soybean meal and 10.7 lbs of oil. This gap in mindset is poised to disappear in the near future. Together, soybean growers and the crushing industry are providers of protein for livestock production and oil for human use. Increasingly sophisticated consumer demand will compel both growers and industry to establish mechanisms that would promote more desirable grain composition. Our goal in providing this information is to increase soybean value transparency so producers begin to consider the protein and oil content of varieties planted.

Using variety selection as an integral part of producing high quality soybeans enables growers to capture any future premium-based marketing opportunities. Increasing the quality of Wisconsin grown soybeans increases worldwide market access and maintains current marketing opportunities. Growers should not wait for marketing premiums to be fully in place before focusing part of their variety selection criteria on quality traits.

For reference, soybeans grown across the US averaged 35% protein and 19% oil in 2001 according to an ASA-USB Survey. Soybeans grown in the north are generally lower in protein than those grown in the south due to genetic and climatic factors. Wisconsin soybean growers can compensate for some of these geographical quality disadvantages by selecting soybeans with better genetic potential. The factor that influences protein the most that is under control of a producer is variety selection.

## Phytophthora Root Rot

There are many races of Phytophthora. Resistance genes are incorporated into varieties (see Tables 13 and 14) to provide complete or partial resistance to this fungus are as follows:

| Gene | Races |
|---|---|
| Rps1-a | 1, 2, 10, 11, 13-18, 24 |
| Rps1-b | 1, 3-9, 13-15, 17, 18, 21, 22 |
| Rps1-c | 1-3, 6-11, 13, 15, 17, 21, 23, 24 |
| Rps1-k | 1-11, 13-15, 17, 18, 22, 24 |
| Rps3 | 1-5, 8, 9, 11, 13, 14, 16, 18, 23, 25 |
| Rps4 | 1-4, 10, 12, 16, 18-21, 25 |
| Rps6 | 1-4, 10, 12, 14-16, 18-21, 25 |

Even though there are many races of Phytophthora, only races 1, 3 and 4 are prevalent in Wisconsin. Resistance genes (Rps) are bred into varieties and provide complete resistance to specific races of Phytophthora. Race 3 is the predominant form of Phytophthora in Wisconsin soils. Thus, the long-used Rps1-a gene is not providing protection 95% of the time. Race 4 occurs in 25% of Wisconsin soybean fields. Growers have an excellent chance of controlling race 3 by planting varieties with the Rps1-c or Rps1-k gene. The Rps1-k

gene provides complete resistance against all races of Phytophthora found in Wisconsin to date. Many varieties express tolerance (partial resistance) to all races of Phytophthora, but varieties with this form of resistance are vulnerable in the early seedling phase of Phytophthora. Certain fungicides applied to seed can provide a window of protection to tolerant varieties during emergence. Variety tolerance ratings are not reported and can be supplied by seed industry representatives.

The information shown in Tables 13 and 14 is based on information supplied by public breeders or companies that are releasing or marketing the variety.

## Brown Stem Rot

Brown stem rot is considered a major yield limiting soybean disease in Wisconsin. This vascular disease inhibits translocation of water and nutrients resulting in premature leaf death that is frequently confused with early maturity. The disease is most severe in years with ample soil moisture and moderate air temperature in August and September. Brown stem rot was moderate in severity in 2002. Fields with a high risk for brown stem rot are those with a frequent history of soybean, no or minimal tillage and soil pH below 6.5. A greater number of soybean varieties express moderate to high resistance to brown stem rot resulting in a general decline of severe symptoms observed from year to year. Yield performance in the presence of high brown stem rot pressure is a primary criteria for selecting varieties for fields with a history of brown stem rot. Stem symptom severity can be used as a secondary criteria. Occasionally some varieties have good yield despite significant stem symptoms. Results from the 2002 brown stem rot variety trial are presented in Tables 9, 10, and 11.

## White Mold (Sclerotinia)

Sclerotinia infects stems at flowering, but symptoms are delayed until early pod formation and plant death is evident as the crop progresses towards maturity. Sclerotinia causes white mold throughout Wisconsin. White mold was a significant problem in 2002 in scattered areas of the state. However, despite favorable weather, white mold was not severe in the 2002 white mold variety evaluation. The reaction of soybean varieties to the white mold pathogen is expressed as plant mortality and grain yield in the presence of high white mold pressure. Varieties that express 25% or less plant mortality generally yield well in the presence of white mold. Results of the trial are presented in Tables 6, 7, and 8. In addition, white mold was active at the Galesville location and results are reported in table 3.

## Soybean Cyst Nematode (SCN)

The SCN has gained significant importance as a yield-limiting problem in Wisconsin. A major concern is that growers are not aware of its presence on their farms. The SCN can cause severe stunting and chlorosis of soybean plants, but these symptoms are not common. SCN can cause major yield loss without obvious symptoms. Most apparent in 2002 was the ability of SCN to enhance wilt of plants during periods of low soil moisture. The most common symptom caused by SCN is a yield decline over years even though top crop management practices are in place. Significant advances have been made to improve varieties for resistance to SCN. Results of the 2002 SCN variety trial are presented in Table 12. Yield performance in the presence of SCN is an excellent means to select varieties for SCN infested fields. Many SCN resistant varieties also express resistance to brown stem rot. Watch for white mold when SCN resistant varieties are planted for the first time in SCN infested fields. SCN can suppress dense crop canopies required for white mold to develop.

## Soybean Viruses and Insects

Soybean aphid populations were down from previous years although pockets of high aphid activity were observed in 2002. The bean leaf beetle was observed in record numbers in the southern counties. The bean leaf beetle continued to expand its range north. Soybean growers and agronomic advisors need to carefully monitor early season bean leaf beetle populations in 2003. The incidence of viruses (soybean mosaic virus and alfalfa mosaic virus) transmitted by aphids was less in 2002 compared to 2001. Lower activity of the soybean aphid is a likely explanation. However, the incidence of bean pod mottle virus (BPMV) was extremely high in the southern counties of Wisconsin. Growers and agronomic advisors may be underestimating the incidence of BPMV and other viruses because infected plants frequently do not express definitive leaf symptoms. Plants infected by viruses commonly produce discolored seed, which is another symptom to use in assessing the virus situation in a specific field. Late season bean leaf beetles caused extensive feeding injury to pods, thus combining with BPMV to reduce seed yield and quality. Evidence is increasing that soybean varieties differ in the ability to yield in the presence of insects and associated viruses. The Janesville variety trial, reported in Table 2, would be an excellent source to identify high yielding varieties in the presence of bean leaf beetles and BPMV.

## What the Results Mean

The performance of a variety may vary from year to year, even at the same location. Multiple tests over two or more years more accurately indicates the variety performance. When selecting a variety consider lodging characteristics, plant height, maturity and disease resistance in addition to yield.

Small differences in yield may not be significant. The yield of any two entries may differ because of chance factors (such as differences in fertility, moisture availability and diseases) even though the two entries do not have inherently different yielding abilities. As an aid in determining true differences in yield, the Least Significant Difference (LSD) statistic is used. If the difference between varieties is greater than the tabulated LSD value, then the entries are said to be "significantly different." The probability of a mean difference being greater than the LSD by chance is 1 out of 10 for the 0.10 LSD value.

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**University of Wisconsin & Plant Pathology Department** has a soybean plant health web site at http://www.plantpath.wisc.edu/soyhealth/index.htm

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# TABLE 1. GENERAL INFORMATION ON THE 2002 SOYBEAN TESTS

| Location | Cooperators | Row Spacing | Soil Type | Soil Tests (1) | | | | Herbicide Program (2) | | Planting Date | Harvest Date | Average Yield | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | CN Varieties | RR Varieties | | | 2002 | 2001 |
| Arlington | S. Kraak, | 15" | Silt loam | pH: | 6.6 | OM: | 4.4 | PPI: Dul, Pur | Dul, Pur | 8-May | 17-Oct | 75 | 71 |
| Variety Trial | J. Quimby | | | P: | 77 | K: | 212 | Post: Asr | Rnd | | | | |
| Arlington | S. Kraak, | 30" | Silt loam | pH: | 6.8 | OM: | 3.8 | PPI: Las | Las | 15-May | 15-Oct | 51 | 54 |
| BSR Trial | J. Quimby | | | P: | 26 | K: | 85 | Post: Frrt, Pnc, Pst | Frrt, Pnc, Pst | | | | |
| Chippewa Falls | J. Clark | 15" | Silt loam | pH: | 6.1 | OM: | 2.0 | PPI: Dul, Brd | Dul, Brd | 16-May | 27-Oct | 49 | 50 |
| | | | | P: | 33 | K: | 89 | Post: Bsg, Pnc, Asr | Rnd | | | | |
| Fond du Lac | E. Montsma, | 15" | Silt loam | pH: | 6.6 | OM: | 3.8 | Pre: None | None | 11-May | 29-Oct | 67 | 53 |
| | M. Rankin | | | P: | 39 | K: | 93 | Post: Pnc | Rnd | | | | |
| Galesville | K. Congdon | 15" | Silt loam | pH: | 6.1 | OM: | 4.0 | Pre: None | None | 18-May | 19-Oct | 69 | 49 |
| | J. Zander | | | P: | 99 | K: | 167 | Post: Pnc, Bsg | Rnd | | | | |
| Hancock | J. Breuer, | 15" | Sand | pH: | 6.7 | OM: | 0.7 | Pre: Las, Lor | Las, Lor | 9-May | 16-Oct | 68 | 52 |
| Variety Trial | G. Humphrey | | Irrigated | P: | 83 | K: | 86 | Post: None | None | | | | |
| Hancock | J. Breuer, | 7.5" | Sand | pH: | 6.6 | OM: | 1.0 | Pre: Las, Lor | Las, Lor | 10-May | 17-Oct | 78 | 57 |
| White Mold Trial | G. Humphrey | | Irrigated | P: | 122 | K: | 83 | Post: Bsg, Pnc, Pst | Bsg, Pnc, Pst | | | | |
| Hancock | J. Breuer, | 30" | Sand | pH: | 6.3 | OM: | 0.7 | Pre: Las, Lor | Las, Lor | 10-May | 17-Oct | 45 | 39 |
| SCN Trial | G. Humphrey | | Irrigated | P: | 55 | K: | 70 | Post: Bsg, Pnc, Pst | Bsg, Pnc, Pst | | | | |
| Janesville | R. Jaynes, | 15" | Silt loam | pH: | 6.7 | OM: | 3.6 | PPI: Frrt | Frrt | 7-May | 11-Oct | 52 | 67 |
| | D. Nehring | | | P: | 75 | K: | 227 | Post: Pnc, Pur | Rnd | | | | |
| Lancaster | T. Wood | 15" | Silt loam | pH: | 6.6 | OM: | 2.1 | PPI: PurPlus | PurPlus | 8-May | 10-Oct | 68 | 57 |
| | | | | P: | 37 | K: | 111 | Post: Bsg, Pnc | Rnd | | | | |
| Marshfield | M. Bertram | 15" | Silt loam | pH: | 6.3 | OM: | 2.6 | PPI: Free, Frrt | Free, Frrt | 17-May | 1-Nov | 58 | 48 |
| Variety Trial | | | | P: | 42 | K: | 87 | Post: Pur, Bsg | Rnd | | | | |
| Marshfield | M. Bertram | 7.5" | Silt loam | pH: | 6.5 | OM: | 2.8 | PPI: Free, Frrt | Free, Frrt | 17-May | 28-Oct | 62 | * |
| White Mold Trial | | | | P: | 66 | K: | 178 | Post: None | None | | | | |
| Racine | Henderson Seed Farm | 15" | Clay loam | pH: | 6.4 | OM: | 5.3 | Pre: None | None | 7-May | 21-Oct | 47 | 45 |
| | | | | P: | 57 | K: | 167 | Post: Pnc, Pur, Asr | Rnd | | | | |
| Seymour | R. Vanden Heuvel | 15" | Clay loam | pH: | 7.4 | OM: | 2.4 | Pre: None | None | 21-May | 15-Oct | 63 | 61 |
| | Z. Miller | | | P: | 13 | K: | 64 | Post: Pur, Pnc, Asr | Rnd | | | | |
| Spooner | B. Rand | 8" | Silt Loam | pH: | 7.0 | OM: | 2.3 | Pre: Snc, Frn | None | 18-May | 15-Oct | 45 | 38 |
| Dry Land | | | | P: | 23 | K: | 56 | Post: None | None | | | | |
| Spooner | B. Rand | 8" | Sandy Loam | pH: | 6.2 | OM: | 1.2 | Pre: Snc, Frn | None | 14-May | 15-Oct | 51 | * |
| Irrigated | | | | P: | 85 | K: | 260 | Post: None | None | | | | |
| Sturgeon Bay | D. Weidman | 15" | Silt Loam | pH: | 7.1 | OM: | 3.6 | Pre: None | None | 21-May | 15-Oct | 48 | 37 |
| | | | | P: | 112 | K: | 136 | Post: Pur, Pnc | Rnd | | | | |
| Valders | L. Berge, | 15" | Clay loam | pH: | 7.3 | OM: | 2.9 | Pre: None | None | 17-May | 14-Oct | 67 | 50 |
| | S. Hendrickson | | | P: | 35 | K: | 129 | Post: Pnc, Pur, Asr | Rnd | | | | |

(1) OM = Organic Matter in %, P and K in ppm.

(2) Herbicide Abbreviations: CN-Conventional, RR-Roundup Ready, Asr-Assure, Bsg-Basagran, Brd-Broadstrike, Dul-Dual, Free-Freedom, Frn-Frontier, Frrt- Firstrate, Las-Lasso, Lor-Lorox, Pnc-Pinnacle, Pst-Poast Plus, Pur-Pursuit, PurPlus-Pursuit Plus, Rnd- Roundup, Snc- Sencor.

* Both Marshfield White Mold and Spooner Irrigated were new experiments in 2002, therefore no data is available for 2001.

# TABLE 2. SOUTHERN REGION SOYBEAN TEST (Page 1 of 5)

**2002 Performance of Public and Commercial Entries at Four Southern Wisconsin Locations.**
**ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER, RAC=RACINE**

| Originator/Brand | Entry | Maturity Group | Herb. Toler. ** | 2002 4-Test Average Yield | Lodging | Height | Maturity | 2002 Arlington Protein | Oil | 2002 Yields ARL | JAN | LAN | RAC | 2001 4-Test Average Yield | Lodging | Height | Maturity | 2001 Yields ARL | JAN | LAN | RAC | 8 -Test Ave. Yield |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | bu/A | 1-5 | in | date | % | % | ---------- bu/A---------- | | | | bu/A | 1-5 | in | date | --------- bu/A--------- | | | | bu/A |
| Public | IA 1006 | 1.6 | CN | **59** | 1.8 | 34 | 21-Sep | 33.0 | 19.9 | 68 | 52 | 67 | 47 | **58** | 1.8 | 35 | 22-Sep | 70 | 68 | 48 | 45 | **59** |
| Public | MN 1801 | 1.8 | CN | **57** | 1.4 | 33 | 19-Sep | 34.2 | 20.6 | 72 | 51 | 62 | 41 | **56** | 1.4 | 33 | 20-Sep | 63 | 64 | 55 | 41 | **57** |
| Public | Hardin 91 | 1.9 | CN | **57** | 1.9 | 34 | 25-Sep | 35.0 | 20.1 | 71 | 50 | 63 | 44 | **56** | 2.6 | 35 | 22-Sep | 57 | 64 | 54 | 48 | **57** |
| Public | HP 204 | 1.9 | CN | **51** | 1.9 | 36 | 23-Sep | 37.7 | 18.4 | 61 | 45 | 59 | 39 | **49** | 2.6 | 38 | 25-Sep | 49 | 54 | 48 | 43 | **50** |
| Public | Vinton 81 | 2.0 | CN | **48** | 2.0 | 36 | 21-Sep | 37.4 | 18.6 | 56 | 45 | 57 | 35 | **44** | 2.5 | 36 | 26-Sep | 42 | 47 | 51 | 37 | **46** |
| Public | IA 2008 R | 2.1 | CN | **57** | 1.7 | 36 | 26-Sep | 34.6 | 19.3 | 64 | 52 | 66 | 45 | | | | | | | | | |
| Public | Titan | 2.1 | CN | **56** | 1.2 | 29 | 15-Sep | 33.4 | 20.3 | 70 | 46 | 66 | 40 | **52** | 1.0 | 31 | 19-Sep | 63 | 62 | 44 | 37 | **54** |
| Public | Loda | 2.5 | CN | **56** | 1.5 | 30 | 25-Sep | 33.6 | 20.3 | 69 | 51 | 61 | 44 | **55** | 1.3 | 32 | 28-Sep | 63 | 70 | 46 | 40 | **56** |
| Adler | 245 RR | 2.4 | RR | **60** | 1.0 | 29 | 26-Sep | 32.7 | 20.9 | 78 | 51 | 63 | 47 | | | | | | | | | |
| Asgrow | AG1902 | 1.9 | RR | **57** | 1.4 | 29 | 18-Sep | 34.1 | 19.3 | 71 | 47 | 66 | 44 | | | | | | | | | |
| Asgrow | AG2105 | 2.1 | RR | * **65** | 1.2 | 31 | 21-Sep | 32.9 | 20.3 | * 85 | 53 | 70 | * 51 | | | | | | | | | |
| Asgrow | AG2402 | 2.4 | RR | **61** | 1.3 | 32 | 20-Sep | 34.1 | 20.1 | 77 | 51 | 69 | 47 | **61** | 1.4 | 34 | 27-Sep | 72 | 67 | 54 | 51 | **61** |
| Asgrow | AG2703 | 2.7 | RR | **63** | 1.4 | 35 | 27-Sep | 33.7 | 19.8 | 73 | * 57 | 72 | * 51 | * **65** | 1.2 | 35 | 2-Oct | * 75 | 71 | * 68 | 45 | * **64** |
| Brunner | BR-2401 RR | 2.4 | RR | **57** | 1.4 | 31 | 23-Sep | 34.6 | 19.7 | 68 | 47 | 69 | 43 | **59** | 1.0 | 30 | 25-Sep | * 76 | 63 | 47 | 48 | **58** |
| Crow's | C 2130 R | 2.1 | RR | **62** | 1.1 | 28 | 24-Sep | 34.2 | 19.9 | * 87 | 48 | 66 | 48 | | | | | | | | | |
| Crow's | C 2435 R | 2.4 | RR | **59** | 1.4 | 32 | 24-Sep | 32.9 | 19.5 | 74 | 47 | 68 | 47 | **61** | 1.4 | 34 | 2-Oct | 66 | 67 | 62 | 50 | **60** |
| Dahlco | 9201 RR | 2.0 | RR | **55** | 1.1 | 31 | 17-Sep | 35.3 | 19.8 | 65 | 44 | 64 | 48 | | | | | | | | | |
| Dahlco | DS 9212 RR | 2.1 | RR | **60** | 1.2 | 31 | 22-Sep | 35.0 | 19.6 | 73 | 54 | 70 | 42 | | | | | | | | | |
| Dahlco | DS 9213 RR | 2.1 | RR | **63** | 1.1 | 27 | 23-Sep | 33.8 | 19.9 | * 80 | 55 | 66 | 50 | | | | | | | | | |
| Dairyland | DSR-199/RR | 1.9 | RR | **61** | 1.1 | 31 | 19-Sep | 35.1 | 19.3 | 73 | 52 | 67 | * 53 | * **63** | 1.0 | 32 | 26-Sep | 70 | 67 | 58 | * 56 | **62** |
| Dairyland | DSR-218 | 2.2 | CN | **62** | 1.1 | 32 | 22-Sep | 35.1 | 20.0 | 78 | 54 | 64 | * 51 | * **62** | 1.0 | 33 | 24-Sep | * 77 | 66 | 57 | 46 | **62** |
| Dairyland | DSR-221/RR | 2.2 | RR | **61** | 1.1 | 32 | 22-Sep | 35.0 | 19.6 | 73 | 50 | 67 | * 55 | * **65** | 1.2 | 33 | 27-Sep | * 77 | 66 | 55 | * 61 | * **63** |
| Dairyland | DSR-228/RR | 2.3 | RR | **61** | 1.2 | 31 | 24-Sep | 35.0 | 19.6 | 71 | 52 | 70 | 50 | * **64** | 1.3 | 34 | 1-Oct | * 78 | 65 | * 67 | 45 | * **63** |
| Dairyland | DSR-251/RR | 2.5 | RR | **58** | 1.1 | 32 | 26-Sep | 34.6 | 20.0 | 67 | 52 | 67 | 46 | * **66** | 1.4 | 34 | 1-Oct | * 75 | * 72 | * 65 | 51 | **62** |
| Dekalb | DKB22-51 | 2.2 | RR | **63** | 1.2 | 29 | 22-Sep | 33.9 | 20.2 | 76 | 54 | 69 | * 53 | | | | | | | | | |
| Dekalb | DKB23-51 | 2.3 | RR | **61** | 1.4 | 31 | 23-Sep | 34.4 | 19.4 | 73 | 55 | 68 | 46 | * **63** | 1.4 | 33 | 30-Sep | 74 | 71 | 60 | 48 | **62** |
| Dekalb | DKB26-51 | 2.6 | RR | **61** | 1.2 | 34 | 23-Sep | 33.7 | 20.0 | 69 | 54 | 69 | 50 | **61** | 1.3 | 35 | 30-Sep | 69 | * 72 | 54 | 48 | **61** |
| Dynagro | DG-3200 RR | 2.0 | RR | **60** | 1.0 | 28 | 24-Sep | 33.4 | 20.3 | 73 | 50 | 68 | 49 | | | | | | | | | |
| Dynagro | DG-3218 RR | 2.1 | RR | **58** | 1.2 | 32 | 23-Sep | 35.0 | 19.3 | 67 | * 56 | 65 | 44 | | | | | | | | | |
| Dynagro | DG-3223 RR | 2.2 | RR | **56** | 1.2 | 32 | 24-Sep | 34.9 | 19.4 | 65 | 50 | 62 | 47 | * **62** | 1.2 | 34 | 28-Sep | 73 | * 72 | 61 | 43 | **59** |
| Dynagro | DG-3242 RR | 2.4 | RR | * **64** | 1.4 | 30 | 28-Sep | 34.4 | 20.0 | 76 | * 56 | 72 | 50 | | | | | | | | | |
| Dynagro | DG-3263 RR | 2.6 | RR | **59** | 1.4 | 35 | 25-Sep | 33.9 | 19.8 | 66 | 53 | 67 | 49 | **61** | 1.6 | 37 | 1-Oct | 73 | 67 | 57 | 46 | **60** |
| Dynagro | DG-3270 RR | 2.7 | RR | **63** | 1.7 | 38 | 29-Sep | 35.3 | 19.2 | 75 | * 60 | 70 | 47 | | | | | | | | | |

CONTINUED

# TABLE 2. SOUTHERN REGION SOYBEAN TEST (Page 2 of 5)

**2002 Performance of Public and Commercial Entries at Four Southern Wisconsin Locations.**
**ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER, RAC=RACINE**

| | | Maturity | Herb. | 2002 4-Test Average | | | | 2002 Arlington | | 2002 Yields | | | | 2001 4-Test Average | | | | 2001 Yields | | | | 8 -Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Originator/Brand | Entry | Group | Toler. ** | **Yield** | Lodging | Height | Maturity | Protein | Oil | ARL | JAN | LAN | RAC | **Yield** | Lodging | Height | Maturity | ARL | JAN | LAN | RAC | **Ave. Yield** |
| | | | | **bu/A** | 1-5 | in | date | % | % | ---------- bu/A---------- | | | | **bu/A** | 1-5 | in | date | --------- bu/A--------- | | | | **bu/A** |
| FS Hisoy | X 2026 | 2.0 | RR | **57** | 1.4 | 32 | 19-Sep | 35.2 | 20.4 | 74 | 46 | 64 | 42 | | | | | | | | | |
| FS Hisoy | HS 2105 | 2.1 | RR | **55** | 1.4 | 32 | 23-Sep | 34.8 | 19.5 | 66 | 48 | 58 | 46 | **61** | 1.6 | 34 | 29-Sep | 67 | 68 | 61 | 47 | **58** |
| FS Hisoy | HS 2117 | 2.1 | RR | **62** | 1.2 | 32 | 23-Sep | 35.1 | 19.3 | 76 | 53 | 66 | * 51 | | | | | | | | | |
| FS Hisoy | HS 2225 | 2.2 | RR | **63** | 1.0 | 27 | 24-Sep | 33.8 | 20.0 | * 79 | 55 | 71 | 47 | | | | | | | | | |
| FS Hisoy | HS 2325 | 2.3 | RR | **61** | 1.4 | 31 | 24-Sep | 34.7 | 19.5 | 73 | * 57 | 68 | 44 | | | | | | | | | |
| FS Hisoy | X 2326 | 2.3 | RR | **56** | 1.4 | 31 | 21-Sep | 34.6 | 20.3 | 69 | 51 | 61 | 41 | | | | | | | | | |
| FS Hisoy | HS 2491 | 2.4 | CN | **60** | 1.3 | 31 | 26-Sep | 35.9 | 19.0 | 74 | 53 | 69 | 44 | * **63** | 1.9 | 33 | 2-Oct | 70 | 66 | * 66 | 48 | **62** |
| FS Hisoy | RT 2495 | 2.4 | RR | **58** | 1.0 | 32 | 22-Sep | 35.0 | 19.8 | 76 | 46 | 64 | 45 | **60** | 1.3 | 33 | 29-Sep | 69 | 66 | 59 | 45 | **59** |
| FS Hisoy | HS 2515 | 2.5 | RR | * **64** | 1.4 | 30 | 25-Sep | 34.4 | 19.7 | 77 | 55 | 75 | 50 | **59** | 1.6 | 32 | 1-Oct | 65 | 65 | 61 | 43 | **62** |
| FS Hisoy | X 2626 | 2.6 | RR | **56** | 1.3 | 31 | 28-Sep | 36.4 | 18.8 | 69 | 50 | 64 | 42 | | | | | | | | | |
| Garst/AgriPro | 2332 RR | 2.3 | RR | **61** | 1.2 | 31 | 23-Sep | 34.9 | 19.6 | * 79 | 50 | 68 | 47 | | | | | | | | | |
| Garst/AgriPro | 2569 | 2.5 | CN | * **67** | 1.3 | 31 | 25-Sep | 33.8 | 20.1 | * 83 | * 61 | 74 | 50 | | | | | | | | | |
| Garst/AgriPro | 2603 RR | 2.6 | RR | **60** | 1.1 | 32 | 26-Sep | 35.0 | 19.3 | 77 | 49 | 66 | 48 | **61** | 1.1 | 34 | 30-Sep | 73 | 67 | 56 | 49 | **61** |
| Golden Harvest | H-2124 RR | 2.1 | RR | **61** | 1.3 | 31 | 21-Sep | 35.0 | 19.6 | 75 | 54 | 72 | 44 | * **62** | 1.1 | 33 | 29-Sep | * 75 | 69 | 54 | 51 | **62** |
| Golden Harvest | H-2151 RR | 2.1 | RR | **59** | 1.4 | 32 | 24-Sep | 34.6 | 19.6 | 72 | 46 | 69 | 49 | * **64** | 1.5 | 31 | 28-Sep | 72 | 68 | 57 | * 58 | **62** |
| Golden Harvest | H-2453 RR | 2.4 | RR | * **64** | 1.4 | 30 | 26-Sep | 34.0 | 20.2 | * 80 | 50 | 75 | 50 | **60** | 1.5 | 31 | 1-Oct | 69 | 69 | 58 | 42 | **62** |
| Golden Harvest | H-2494 | 2.4 | CN | * **65** | 1.4 | 30 | 24-Sep | 34.6 | 19.9 | * 83 | * 59 | 72 | 44 | * **66** | 1.5 | 31 | 30-Sep | * 81 | * 73 | 61 | 48 | * **66** |
| Golden Harvest | H-2503 RR | 2.5 | RR | **62** | 1.4 | 31 | 26-Sep | 34.7 | 19.9 | 78 | * 58 | 68 | 45 | | | | | | | | | |
| Golden Harvest | H-2659 RR | 2.6 | RR | **63** | 1.1 | 34 | 22-Sep | 33.7 | 20.0 | 78 | 53 | 68 | * 52 | * **62** | 1.4 | 35 | 30-Sep | 69 | 70 | 64 | 45 | * **63** |
| Great Lakes | GL 1903 RR | 1.9 | RR | **61** | 1.2 | 32 | 20-Sep | 34.8 | 19.5 | 72 | * 56 | 62 | * 53 | **59** | 1.1 | 33 | 27-Sep | 68 | 69 | 54 | 45 | **60** |
| Great Lakes | GL 2109 RR | 2.1 | RR | **55** | 1.4 | 30 | 18-Sep | 34.9 | 20.6 | 71 | 45 | 63 | 42 | **59** | 1.1 | 32 | 23-Sep | 66 | 69 | 55 | 45 | **57** |
| Great Lakes | GL 2200 RR | 2.2 | RR | **61** | 1.4 | 32 | 23-Sep | 34.5 | 19.9 | 75 | 53 | 71 | 45 | * **64** | 1.5 | 34 | 29-Sep | 70 | * 72 | * 65 | 47 | * **63** |
| Great Lakes | GL 2301 RR | 2.3 | RR | * **64** | 1.4 | 30 | 26-Sep | 34.4 | 19.9 | 78 | 55 | 74 | 50 | | | | | | | | | |
| Great Lakes | GL 2419 RR | 2.4 | RR | **62** | 1.1 | 30 | 27-Sep | 33.6 | 19.8 | * 79 | 53 | 70 | 45 | **58** | 1.4 | 31 | 2-Oct | 70 | 58 | 59 | 45 | **60** |
| High Cycle | 2201 RR | 2.0 | RR | **62** | 1.1 | 32 | 21-Sep | 35.2 | 19.5 | 75 | 49 | 68 | * 54 | **60** | 1.1 | 32 | 27-Sep | 69 | 67 | 60 | 45 | **61** |
| High Cycle | 2244 RR | 2.4 | RR | **61** | 1.0 | 31 | 27-Sep | 34.4 | 18.9 | 73 | 51 | 73 | 45 | | | | | | | | | |
| High Cycle | 2261 RR/SCN | 2.6 | RR | **58** | 1.1 | 34 | 24-Sep | 34.9 | 19.8 | * 80 | 48 | 59 | 45 | | | | | | | | | |
| High Cycle | 2273 RR | 2.7 | RR | * **65** | 1.3 | 34 | 25-Sep | 34.0 | 19.4 | 78 | * 56 | 67 | * 58 | * **63** | 1.4 | 34 | 1-Oct | * 77 | 64 | 61 | 48 | * **64** |
| Hughes | 202 RR | 2.0 | RR | **54** | 1.4 | 32 | 18-Sep | 35.3 | 20.5 | 63 | 45 | 59 | 48 | | | | | | | | | |
| Hughes | 221 RR | 2.2 | RR | **63** | 1.2 | 31 | 23-Sep | 35.1 | 19.4 | 78 | 51 | 73 | * 51 | * **63** | 1.2 | 32 | 29-Sep | 74 | 70 | 59 | 47 | * **63** |
| Hughes | 441 RR | 2.4 | RR | **60** | 1.3 | 32 | 22-Sep | 34.5 | 19.8 | 74 | 52 | 67 | 47 | **61** | 1.6 | 33 | 30-Sep | * 76 | 66 | 64 | 37 | **61** |
| Kaltenberg | KB 221 RR | 2.2 | RR | **61** | 1.2 | 31 | 24-Sep | 35.3 | 19.2 | * 80 | 50 | 64 | 48 | | | | | | | | | |
| Kaltenberg | KB 224 RR | 2.2 | RR | **62** | 1.0 | 28 | 23-Sep | 33.7 | 20.1 | 78 | 53 | 67 | 49 | | | | | | | | | |
| Kaltenberg | KB 241 RR | 2.4 | RR | * **66** | 1.4 | 32 | 27-Sep | 35.0 | 19.1 | * 82 | 55 | 71 | * 54 | | | | | | | | | |
| Kaltenberg | KB 244 RR | 2.4 | RR | **61** | 1.4 | 31 | 26-Sep | 34.9 | 20.1 | 71 | 53 | 69 | * 52 | * **64** | 1.1 | 32 | 29-Sep | * 81 | 70 | 64 | 40 | * **63** |
| Kaltenberg | KB 253 RR | 2.5 | RR | **63** | 1.3 | 33 | 27-Sep | 34.5 | 18.9 | * 79 | 53 | 68 | * 52 | | | | | | | | | |
| Kaltenberg | KB 254 RR | 2.5 | RR | **63** | 1.6 | 34 | 28-Sep | 34.4 | 19.6 | 74 | 55 | 71 | * 53 | | | | | | | | | |
| Kaltenberg | KB 273 RR | 2.7 | RR | **63** | 1.3 | 30 | 28-Sep | 33.9 | 19.5 | 78 | 54 | 70 | 48 | * **62** | 1.2 | 33 | 3-Oct | 74 | 69 | 56 | 47 | * **63** |

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# TABLE 2. SOUTHERN REGION SOYBEAN TEST (Page 3 of 5)

**2002 Performance of Public and Commercial Entries at Four Southern Wisconsin Locations.**
**ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER, RAC=RACINE**

| | | Maturity | Herb. | 2002 4-Test Average | | | | 2002 Arlington | | 2002 Yields | | | | 2001 4-Test Average | | | | 2001 Yields | | | | 8 -Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Group | Toler. | **Yield** | Lodging | Height | Maturity | Protein | Oil | ARL | JAN | LAN | RAC | **Yield** | Lodging | Height | Maturity | ARL | JAN | LAN | RAC | **Ave. Yield** |
| Originator/Brand | Entry | | ** | | | | | | | | | | | | | | | | | | | |
| | | | | **bu/A** | 1-5 | in | date | % | % | ---------- bu/A---------- | | | | **bu/A** | 1-5 | in | date | --------- bu/A--------- | | | | **bu/A** |
| Kruger | K-191 RR | 1.9 | RR | **60** | 1.1 | 30 | 22-Sep | 33.2 | 20.0 | ***** 81 | 55 | 62 | 43 | | | | | | | | | |
| Kruger | K-191+ RR | 1.9 | RR | **62** | 1.1 | 27 | 21-Sep | 32.6 | 20.8 | ***** 79 | 53 | 68 | 49 | | | | | | | | | |
| Kruger | K-193 RR | 1.9 | RR | **60** | 1.1 | 31 | 21-Sep | 34.6 | 19.7 | 74 | 52 | 67 | 46 | | | | | | | | | |
| Kruger | K-1943 | 1.9 | CN | *** 64** | 1.6 | 34 | 25-Sep | 32.7 | 19.6 | 74 | * 60 | 74 | 49 | | | | | | | | | |
| Kruger | K-199 RR | 1.9 | RR | **56** | 1.4 | 33 | 20-Sep | 34.4 | 19.7 | 71 | 45 | 64 | 44 | | | | | | | | | |
| Kruger | K-1990 | 1.9 | CN | **58** | 1.5 | 31 | 19-Sep | 34.0 | 19.5 | ***** 80 | 52 | 59 | 39 | | | | | | | | | |
| Kruger | K-1996 | 1.9 | CN | **62** | 1.1 | 31 | 20-Sep | 33.5 | 20.3 | ***** 80 | 50 | 68 | 49 | | | | | | | | | |
| Kruger | K-200 RR | 2.0 | RR | **60** | 1.2 | 30 | 19-Sep | 34.7 | 20.2 | 74 | 50 | 68 | 47 | | | | | | | | | |
| Kruger | K-201 RR | 2.0 | RR | **60** | 1.0 | 28 | 22-Sep | 34.5 | 19.7 | ***** 85 | 44 | 67 | 43 | | | | | | | | | |
| Kruger | K-211 RR | 2.1 | RR | **62** | 1.1 | 28 | 23-Sep | 33.6 | 20.2 | ***** 79 | 51 | 68 | * 51 | | | | | | | | | |
| Kruger | K-2121 | 2.1 | CN | **61** | 1.2 | 28 | 21-Sep | 33.5 | 19.9 | 76 | 53 | 73 | 43 | | | | | | | | | |
| Kruger | K-222+ RR | 2.2 | RR | **61** | 1.4 | 32 | 22-Sep | 35.3 | 19.4 | 71 | 53 | 72 | 47 | | | | | | | | | |
| Kruger | K-2220+ SCN | 2.2 | CN | **55** | 1.4 | 29 | 19-Sep | 34.9 | 19.8 | 71 | 46 | 63 | 41 | | | | | | | | | |
| Kruger | K-223 RR | 2.2 | RR | **61** | 1.0 | 26 | 23-Sep | 34.1 | 19.9 | ***** 81 | 50 | 68 | 45 | | | | | | | | | |
| Kruger | K-232 RR | 2.3 | RR | **63** | 1.1 | 28 | 24-Sep | 33.4 | 20.3 | ***** 82 | 48 | 73 | 49 | | | | | | | | | |
| Kruger | K-233 RR | 2.3 | RR | **61** | 1.1 | 31 | 23-Sep | 35.3 | 19.5 | 73 | 49 | 69 | * 53 | | | | | | | | | |
| Kruger | K-242 RR/SCN | 2.4 | RR | **59** | 1.5 | 31 | 20-Sep | 34.8 | 20.4 | 73 | 49 | 67 | 47 | | | | | | | | | |
| Kruger | K-250 RR | 2.5 | RR | *** 65** | 1.6 | 33 | 25-Sep | 35.1 | 19.1 | ***** 83 | 54 | 74 | 48 | | | | | | | | | |
| Kruger | K-2525+ | 2.5 | CN | *** 68** | 1.1 | 29 | 23-Sep | 34.4 | 19.9 | ***** 86 | 54 | * 82 | 49 | | | | | | | | | |
| Kruger | K-262-2 RR | 2.5 | RR | *** 65** | 1.3 | 29 | 26-Sep | 34.4 | 19.9 | ***** 80 | * 56 | 72 | * 52 | | | | | | | | | |
| Kruger | K-268 RR | 2.6 | RR | *** 67** | 1.3 | 31 | 28-Sep | 32.3 | 20.8 | 71 | * 59 | * 78 | * 58 | | | | | | | | | |
| Kruger | K-269 RR | 2.6 | RR | *** 66** | 1.4 | 31 | 28-Sep | 35.3 | 19.3 | 76 | * 56 | * 77 | * 54 | | | | | | | | | |
| LaCrosse | LC 2000 RR | 2.0 | RR | **56** | 1.4 | 34 | 21-Sep | 34.8 | 19.6 | 65 | 47 | 67 | 43 | **58** | 1.6 | 32 | 25-Sep | 69 | 65 | 53 | 46 | **57** |
| LaCrosse | LC 2300 RR | 2.3 | RR | **55** | 1.4 | 34 | 27-Sep | 35.0 | 19.5 | 62 | 49 | 64 | 46 | **61** | 1.0 | 32 | 1-Oct | 70 | 66 | 58 | 51 | **58** |
| LaCrosse | LC 2320 | 2.3 | CN | **61** | 1.1 | 31 | 21-Sep | 34.8 | 19.8 | 75 | 55 | 67 | 46 | *** 62** | 1.1 | 31 | 27-Sep | * 75 | 70 | 59 | 44 | **62** |
| Latham | 418 RR Brand | 1.9 | RR | **60** | 1.1 | 32 | 22-Sep | 35.4 | 19.5 | 74 | 47 | 67 | 50 | | | | | | | | | |
| Latham | EX-468 RR | 2.1 | RR | **61** | 1.1 | 28 | 24-Sep | 33.2 | 20.3 | 74 | 51 | 69 | 50 | | | | | | | | | |
| Latham | 497 RR Brand | 2.2 | RR | **59** | 1.1 | 26 | 24-Sep | 33.5 | 20.4 | 77 | 47 | 66 | 46 | *** 62** | 1.0 | 29 | 29-Sep | 70 | 69 | 60 | 48 | **61** |
| Latham | 507 RR Brand | 2.2 | RR | **60** | 1.1 | 31 | 20-Sep | 35.1 | 19.5 | 70 | 55 | 67 | 49 | *** 66** | 1.1 | 33 | 28-Sep | 74 | * 72 | 62 | * 54 | *** 63** |
| Latham | 570 Brand | 2.2 | CN | **63** | 1.2 | 29 | 23-Sep | 34.4 | 20.0 | 74 | * 58 | * 76 | 45 | *** 65** | 1.2 | 31 | 26-Sep | * 80 | * 77 | 57 | 46 | *** 64** |
| Latham | 647 RR Brand | 2.4 | RR | *** 67** | 1.2 | 30 | 25-Sep | 34.2 | 20.0 | ***** 86 | * 56 | 73 | * 54 | *** 64** | 1.4 | 31 | 30-Sep | 73 | 70 | 56 | * 55 | *** 66** |
| Latham | EX-678 RR | 2.5 | RR | *** 65** | 1.4 | 31 | 29-Sep | 34.8 | 19.5 | 78 | * 58 | 73 | 49 | | | | | | | | | |
| Latham | EX-700 | 2.5 | CN | **57** | 1.5 | 29 | 28-Sep | 35.4 | 19.4 | 69 | 53 | 63 | 43 | | | | | | | | | |
| Latham | EX-738 RR | 2.6 | RR | **62** | 1.1 | 33 | 26-Sep | 34.4 | 19.5 | 78 | 49 | 71 | 48 | | | | | | | | | |
| LG Seeds | C 2142 RR | 2.1 | RR | **58** | 1.3 | 34 | 20-Sep | 35.3 | 19.3 | 72 | 49 | 63 | 47 | | | | | | | | | |
| LG Seeds | C 2434 RR | 2.4 | RR | *** 64** | 1.3 | 30 | 23-Sep | 34.1 | 20.2 | 77 | * 57 | 71 | 49 | | | | | | | | | |
| Mallard | RR 2214 | 2.2 | RR | **61** | 1.1 | 26 | 24-Sep | 33.9 | 20.0 | ***** 84 | 46 | 64 | 50 | | | | | | | | | |

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# TABLE 2. SOUTHERN REGION SOYBEAN TEST (Page 4 of 5)

**2002 Performance of Public and Commercial Entries at Four Southern Wisconsin Locations.**
**ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER, RAC=RACINE**

| | | Maturity | Herb. | 2002 4-Test Average | | | | 2002 Arlington | | 2002 Yields | | | | 2001 4-Test Average | | | | 2001 Yields | | | | 8 -Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Group | Toler. | **Yield** | Lodging | Height | Maturity | Protein | Oil | ARL | JAN | LAN | RAC | **Yield** | Lodging | Height | Maturity | ARL | JAN | LAN | RAC | **Ave. Yield** |
| Originator/Brand | Entry | | ** | **bu/A** | 1-5 | in | date | % | % | ---------- bu/A---------- | | | | **bu/A** | 1-5 | in | date | --------- bu/A--------- | | | | **bu/A** |
| Mark | MRK RR 0017 | 1.7 | RR | **59** | 1.1 | 28 | 19-Sep | 34.4 | 20.3 | * 81 | 49 | 62 | 45 | | | | | | | | | |
| Mark | MRK RR 0220 | 2.0 | RR | * **66** | 1.1 | 30 | 29-Sep | 33.2 | 20.1 | * 87 | 54 | 72 | 50 | | | | | | | | | |
| Mark | MRK RR 0121 | 2.1 | RR | **61** | 1.0 | 31 | 24-Sep | 34.8 | 19.6 | * 80 | 47 | 68 | 50 | **60** | 1.2 | 31 | 28-Sep | 71 | 69 | 56 | 45 | **61** |
| Mark | MRK RR 0221 | 2.1 | RR | **63** | 1.2 | 28 | 25-Sep | 33.9 | 20.1 | 77 | 52 | 72 | * 51 | | | | | | | | | |
| Mark | MRK RR 0023 | 2.3 | RR | **60** | 1.2 | 31 | 22-Sep | 34.1 | 19.5 | 76 | 49 | 68 | 45 | * **63** | 1.6 | 34 | 30-Sep | * 76 | 67 | * 65 | 42 | **62** |
| Mark | MRK RR 0023 CTA | 2.3 | RR | **58** | 1.4 | 31 | 24-Sep | 34.7 | 19.7 | 72 | 49 | 67 | 42 | | | | | | | | | |
| Mark | MRK 0224 | 2.4 | CN | **62** | 1.3 | 28 | 26-Sep | 35.0 | 19.6 | 78 | 53 | 73 | 43 | | | | | | | | | |
| Mark | MRK 0224 CTA | 2.4 | CN | **59** | 1.7 | 34 | 29-Sep | 35.5 | 19.3 | 77 | 52 | 65 | 43 | | | | | | | | | |
| Mark | MRK RR 0124 | 2.4 | RR | **61** | 1.1 | 31 | 27-Sep | 34.5 | 18.9 | 73 | 53 | 67 | 50 | | | | | | | | | |
| Mark | MRK RR 0025 | 2.5 | RR | **62** | 1.2 | 32 | 25-Sep | 34.4 | 19.9 | 71 | 55 | 71 | 50 | * **64** | 1.1 | 34 | 30-Sep | * 80 | 69 | 58 | 48 | * **63** |
| Mark | MRK RR 0125 CTB | 2.5 | RR | **56** | 1.6 | 37 | 29-Sep | 34.2 | 20.0 | 66 | 49 | 63 | 47 | | | | | | | | | |
| Mark | MRK RR 0225 | 2.5 | RR | * **66** | 1.1 | 31 | 29-Sep | 33.5 | 20.2 | * 84 | * 57 | 72 | 49 | | | | | | | | | |
| Mark | MRK RR EX25 | 2.5 | RR | * **64** | 1.2 | 30 | 27-Sep | 34.4 | 19.5 | * 81 | * 57 | 72 | 45 | | | | | | | | | |
| Mark | MRK RR EX25A | 2.5 | RR | **60** | 1.0 | 32 | 26-Sep | 35.0 | 19.6 | 73 | 51 | 71 | 44 | | | | | | | | | |
| Mark | MRK RR 0126 | 2.6 | RR | **56** | 1.5 | 30 | 26-Sep | 35.1 | 19.4 | 65 | 54 | 62 | 42 | | | | | | | | | |
| Mark | MRK RR 0226 | 2.6 | RR | **60** | 1.1 | 33 | 25-Sep | 34.5 | 19.5 | 71 | 51 | 68 | 50 | | | | | | | | | |
| Midwest | GR 2255 | 2.2 | RR | **62** | 1.2 | 32 | 24-Sep | 34.8 | 19.6 | 74 | 51 | 69 | * 53 | | | | | | | | | |
| Midwest | G 2408 | 2.4 | CN | * **66** | 1.5 | 33 | 28-Sep | 34.3 | 19.2 | * 81 | * 57 | 73 | * 51 | | | | | | | | | |
| NK Brand | S 19-V2 | 1.9 | RR | **56** | 1.0 | 27 | 16-Sep | 32.9 | 20.4 | 70 | 48 | 61 | 46 | **56** | 1.0 | 27 | 21-Sep | * 77 | 64 | 49 | 35 | **56** |
| NK Brand | S 24-K4 | 2.4 | RR | * **65** | 1.8 | 33 | 24-Sep | 33.1 | 19.9 | 78 | * 58 | 75 | 47 | **61** | 1.6 | 33 | 29-Sep | 74 | 67 | 60 | 41 | * **63** |
| NK Brand | S 25-J5 | 2.5 | CN | * **65** | 1.3 | 30 | 27-Sep | 34.2 | 20.0 | * 82 | * 58 | 70 | 48 | * **65** | 1.3 | 31 | 30-Sep | * 75 | 69 | 62 | * 54 | * **65** |
| NK Brand | S 28-W2 | 2.5 | RR | **62** | 1.3 | 31 | 26-Sep | 33.8 | 20.0 | 74 | 55 | 70 | 48 | | | | | | | | | |
| North-Gro | NB 212 RR | 2.1 | RR | **59** | 1.4 | 32 | 21-Sep | 34.2 | 20.2 | 73 | 50 | 65 | 48 | | | | | | | | | |
| North-Gro | NB 242 RR | 2.4 | RR | **55** | 1.0 | 29 | 21-Sep | 34.9 | 19.7 | 72 | 41 | 65 | 43 | **58** | 1.1 | 30 | 26-Sep | 70 | 66 | 54 | 40 | **57** |
| North-Gro | NB 244 | 2.4 | CN | * **67** | 1.4 | 31 | 24-Sep | 33.3 | 20.4 | * 83 | * 58 | 75 | * 53 | * **64** | 1.4 | 31 | 27-Sep | * 77 | * 76 | 57 | 46 | * **66** |
| North-Gro | NB 278 RR | 2.7 | RR | **61** | 1.0 | 32 | 27-Sep | 34.2 | 19.5 | 69 | 54 | 67 | * 52 | | | | | | | | | |
| O'Brien | O'Soy 191 N RR | 1.9 | RR | **56** | 1.4 | 34 | 18-Sep | 35.6 | 19.6 | 68 | 42 | 63 | 49 | | | | | | | | | |
| O'Brien | O'Soy 242 RR | 2.3 | RR | **62** | 1.1 | 31 | 18-Sep | 34.6 | 19.3 | * 79 | 51 | 66 | 50 | | | | | | | | | |
| O'Brien | O'Soy 243 | 2.4 | CN | * **67** | 1.3 | 32 | 26-Sep | 34.0 | 19.2 | * 80 | * 59 | 73 | * 55 | | | | | | | | | |
| Pioneer | 92B13 | 2.1 | RR | **57** | 1.4 | 29 | 20-Sep | 33.6 | 19.7 | 77 | 46 | 61 | 45 | | | | | | | | | |
| Pioneer | 92B38 | 2.3 | RR | **62** | 1.2 | 32 | 18-Sep | 34.7 | 19.4 | * 79 | 54 | 65 | 48 | * **63** | 1.4 | 34 | 25-Sep | 74 | * 73 | 55 | 49 | * **63** |
| Pioneer | 92B47 | 2.4 | RR | **60** | 1.0 | 28 | 24-Sep | 35.7 | 18.7 | 77 | 51 | 69 | 44 | | | | | | | | | |
| Prairie Brand | PB-178 | 1.7 | CN | * **65** | 1.0 | 30 | 21-Sep | 34.8 | 19.9 | * 87 | 52 | 71 | 49 | | | | | | | | | |
| Prairie Brand | PB-1921 RR | 1.9 | RR | **60** | 1.1 | 30 | 22-Sep | 33.2 | 20.0 | 77 | 51 | 66 | 47 | | | | | | | | | |
| Prairie Brand | PB-1981 RR | 1.9 | RR | **60** | 1.2 | 31 | 24-Sep | 35.0 | 19.4 | 69 | 54 | 66 | 50 | **61** | 1.1 | 32 | 29-Sep | 71 | 68 | 57 | 46 | **61** |
| Prairie Brand | PB-2141 RR | 2.1 | RR | * **64** | 1.0 | 27 | 24-Sep | 33.7 | 20.0 | * 81 | 49 | 74 | 50 | | | | | | | | | |
| Prairie Brand | PB-2117 RR | 2.2 | RR | **61** | 1.3 | 31 | 24-Sep | 34.5 | 19.4 | * 79 | 50 | 66 | 49 | * **65** | 1.4 | 34 | 1-Oct | * 75 | 66 | * 68 | 49 | * **63** |

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# TABLE 2. SOUTHERN REGION SOYBEAN TEST (Page 5 of 5)

**2002 Performance of Public and Commercial Entries at Four Southern Wisconsin Locations.**
**ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER, RAC=RACINE**

| Originator/Brand | Entry | Maturity Group | Herb. Toler. ** | 2002 4-Test Average Yield | Lodging | Height | Maturity | 2002 Arlington Protein | Oil | 2002 Yields ARL | JAN | LAN | RAC | 2001 4-Test Average Yield | Lodging | Height | Maturity | 2001 Yields ARL | JAN | LAN | RAC | 8 -Test Ave. Yield |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | bu/A | 1-5 | in | date | % | % | ---------- bu/A---------- | | | | bu/A | 1-5 | in | date | --------- bu/A--------- | | | | bu/A |
| Renk | RS 212 RR | 2.2 | RR | **62** | 1.2 | 30 | 25-Sep | 33.0 | 19.9 | * 82 | 55 | 63 | 49 | | | | | | | | | |
| Renk | RS 221 RR | 2.2 | RR | **60** | 1.5 | 34 | 21-Sep | 33.9 | 20.5 | 72 | 52 | 63 | * 52 | | | | | | | | | |
| Renk | RS 240 RR | 2.4 | RR | **56** | 1.2 | 30 | 23-Sep | 35.3 | 19.6 | 74 | 46 | 64 | 41 | **60** | 1.1 | 32 | 27-Sep | * 79 | 68 | 55 | 36 | **58** |
| Renk | RS 252 RR | 2.5 | RR | **59** | 1.5 | 33 | 25-Sep | 34.7 | 19.1 | 71 | 50 | 71 | 43 | | | | | | | | | |
| Spansoy | 223 RR | 2.2 | RR | **60** | 1.2 | 31 | 22-Sep | 34.6 | 19.6 | 72 | 49 | 70 | 49 | | | | | | | | | |
| Spansoy | 241 RR | 2.4 | RR | **58** | 1.0 | 30 | 23-Sep | 35.8 | 19.0 | 75 | 47 | 66 | 44 | * **62** | 1.1 | 31 | 29-Sep | * 77 | 67 | 57 | 47 | **60** |
| Spansoy | 253 RR | 2.5 | RR | **61** | 1.0 | 28 | 27-Sep | 33.4 | 19.5 | 76 | 51 | 70 | 45 | | | | | | | | | |
| Stine | S 2103-4 | 2.1 | RR | **62** | 1.1 | 27 | 25-Sep | 33.4 | 20.1 | * 79 | 52 | 66 | 49 | | | | | | | | | |
| Stine | S 2123-4 | 2.1 | RR | **59** | 1.0 | 26 | 25-Sep | 34.1 | 20.1 | 77 | 48 | 70 | 42 | | | | | | | | | |
| Thompson | T-3201 | 2.0 | CN | **61** | 1.2 | 28 | 21-Sep | 33.3 | 20.0 | 75 | 54 | 70 | 46 | * **65** | 1.1 | 30 | 27-Sep | * 76 | 71 | 63 | 51 | * **63** |
| Thompson | T-7205 RR | 2.0 | RR | **61** | 1.2 | 27 | 25-Sep | 33.7 | 20.0 | * 80 | 52 | 67 | 45 | * **63** | 1.1 | 29 | 29-Sep | 74 | 67 | 59 | 50 | **62** |
| Thompson | T-3213 RR | 2.1 | RR | **59** | 1.5 | 33 | 24-Sep | 34.5 | 19.4 | 70 | 50 | 71 | 43 | * **62** | 1.9 | 35 | 29-Sep | * 78 | 65 | 63 | 43 | **61** |
| Thompson | T-7225 RR | 2.2 | RR | **59** | 1.3 | 31 | 24-Sep | 35.0 | 19.6 | 72 | 50 | 67 | 48 | * **65** | 1.5 | 33 | 1-Oct | * 77 | 69 | * 69 | 44 | **62** |
| Thompson | T-7242 RR | 2.4 | RR | **58** | 1.4 | 33 | 25-Sep | 34.5 | 19.2 | 67 | 50 | 68 | 47 | | | | | | | | | |
| Thompson | T-7262 RR | 2.6 | RR | **61** | 1.4 | 31 | 26-Sep | 34.9 | 19.3 | 73 | 53 | 69 | 48 | | | | | | | | | |
| Trelay | 230 | 2.3 | CN | **62** | 1.1 | 30 | 21-Sep | 33.4 | 19.8 | 73 | 54 | 68 | * 51 | **60** | 1.4 | 31 | 29-Sep | * 76 | 68 | 52 | 43 | **61** |
| US Seeds | US S2503 RR | 2.5 | RR | * **64** | 1.2 | 31 | 28-Sep | 34.6 | 19.4 | 77 | * 56 | * 77 | 46 | | | | | | | | | |
| US Seeds | US S2703 RR | 2.7 | RR | **62** | 1.4 | 35 | 28-Sep | 33.5 | 20.4 | 68 | * 61 | 70 | 50 | | | | | | | | | |
| Mean | | | | **61** | 1.3 | 31 | 24-Sep | 34.4 | 19.7 | 75 | 52 | 68 | 47 | **60** | 1.4 | 33 | 28-Sep | 71 | 67 | 57 | 45 | **60** |
| LSD(0.10) | | | | **4** | 0.3 | 2 | 2 | | | 8 | 5 | 6 | 7 | **4** | 0.4 | 2 | 1 | 6 | 5 | 8 | 9 | **3** |

* Yields preceded by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

** Herbicide Tolerance : RR= Tolerance to "Roundup" herbicide , CN = Conventional herbicide tolerance.

**Results that are shaded provide the best estimate of relative variety performance.**

# TABLE 3. CENTRAL REGION SOYBEAN TEST (Page 1 of 3)

**2002 Performance of Public and Commercial Entries at Three Central Wisconsin Locations.**
**FON = FOND DU LAC, GAL = GALESVILLE, HAN = HANCOCK**

| Originator/Brand | Entry | Maturity Group | Herb. Toler. ** | 2002 3-Test Average Yield | Lodging | Height | Maturity | 2002 Fond du Lac Protein | Oil | 2002 FON Yield | GAL *** Yield | WM | HAN Yield | 2001 3-Test Average Yield | Lodging | Height | Maturity | 2001 Yields FON | GAL | HAN | 6-Test Ave. Yield |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | bu/A | 1-5 | in | date | % | % | bu/A | bu/A | % | bu/A | bu/A | 1-5 | in | date | --------- bu/A-------- | | | bu/A |
| Public | MN 0302 | 0.3 | CN | **54** | 2.4 | 35 | 06-Sep | 35.1 | 20.3 | 52 | 54 | 11 | 57 | | | | | | | | |
| Public | Lambert | 0.8 | CN | **61** | 3.7 | 38 | 07-Sep | 35.0 | 20.6 | 59 | 58 | 46 | 67 | | | | | | | | |
| Public | MN 1301 | 1.3 | CN | **62** | 2.7 | 41 | 09-Sep | 36.4 | 19.4 | 61 | 63 | 39 | 63 | **45** | 1.6 | 39 | 15-Sep | 49 | 35 | 50 | **54** |
| Public | IA 1006 | 1.6 | CN | **64** | 3.5 | 43 | 19-Sep | 34.9 | 19.7 | 65 | 60 | 25 | 67 | **48** | 2.2 | 41 | 23-Sep | 51 | 46 | 47 | **56** |
| Public | MN 1801 | 1.8 | CN | **65** | 2.9 | 41 | 18-Sep | 35.5 | 20.1 | 65 | 64 | 26 | 67 | **47** | 1.7 | 41 | 21-Sep | 49 | 43 | 48 | **56** |
| Public | Hardin 91 | 1.9 | CN | **62** | 3.6 | 43 | 24-Sep | 35.1 | 20.0 | 64 | 56 | 12 | 66 | **47** | 2.8 | 41 | 24-Sep | 54 | 40 | 47 | **55** |
| Public | HP 204 | 1.9 | CN | **57** | 3.9 | 43 | 25-Sep | 37.5 | 18.7 | 56 | 58 | 5 | 56 | | | | | | | | |
| Public | Vinton 81 | 2.0 | CN | **55** | 3.7 | 43 | 28-Sep | 37.7 | 18.6 | 54 | 56 | 12 | 56 | | | | | | | | |
| Public | Titan | 2.1 | CN | **65** | 2.7 | 37 | 19-Sep | 34.2 | 20.1 | 64 | 62 | 14 | 69 | | | | | | | | |
| Public | IA 2008 R | 2.1 | CN | **59** | 3.4 | 44 | 29-Sep | 35.0 | 19.6 | 65 | 53 | 11 | 60 | | | | | | | | |
| Asgrow | AG1401 | 1.4 | RR | **68** | 2.8 | 38 | 11-Sep | 32.7 | 20.9 | 63 | 71 | 37 | 70 | | | | | | | | |
| Asgrow | AG1602 | 1.6 | RR | **66** | 2.4 | 38 | 17-Sep | 32.7 | 20.8 | 65 | 69 | 26 | 64 | | | | | | | | |
| Asgrow | AG1902 | 1.9 | RR | **62** | 2.3 | 39 | 22-Sep | 35.6 | 19.1 | 61 | 60 | 51 | 66 | | | | | | | | |
| Bio Gene | 1500 RR | 1.5 | RR | **69** | 1.9 | 34 | 17-Sep | 34.6 | 19.9 | 69 | 65 | 39 | 72 | | | | | | | | |
| Bio Gene | 1700 RR | 1.7 | RR | * **72** | 1.9 | 38 | 21-Sep | 36.2 | 19.4 | 69 | * 75 | 27 | 72 | | | | | | | | |
| Brunner | BR-2101 RR | 2.1 | RR | * **74** | 2.2 | 37 | 25-Sep | 35.1 | 19.9 | * 74 | * 77 | 5 | 71 | **53** | 1.0 | 31 | 29-Sep | * 60 | 49 | 50 | * **64** |
| Croplan | RT 1521 | 1.5 | RR | **70** | 1.8 | 39 | 16-Sep | 36.3 | 19.3 | 65 | * 73 | 17 | 72 | | | | | | | | |
| Croplan | RT 1744 | 1.7 | RR | **66** | 1.8 | 38 | 23-Sep | 35.5 | 19.3 | 64 | 65 | 22 | 69 | **53** | 1.1 | 36 | 24-Sep | * 57 | 48 | 53 | **60** |
| Dahlco | X-2140 RR | 1.4 | RR | **68** | 2.0 | 37 | 19-Sep | 35.2 | 19.4 | 65 | 70 | 31 | 69 | | | | | | | | |
| Dahlco | X-2150 RR | 1.5 | RR | **66** | 3.2 | 38 | 19-Sep | 33.0 | 20.3 | 65 | 65 | 35 | 67 | | | | | | | | |
| Dahlco | 9160 RR | 1.6 | RR | **63** | 3.3 | 41 | 21-Sep | 33.1 | 20.2 | 62 | 62 | 35 | 64 | **49** | 2.0 | 39 | 18-Sep | 50 | 49 | 49 | **56** |
| Dahlco | 9171 RR | 1.7 | RR | **67** | 2.0 | 39 | 23-Sep | 35.2 | 20.6 | 66 | 68 | 16 | 67 | **54** | 1.6 | 37 | 26-Sep | * 58 | 52 | 53 | **61** |
| Dahlco | 9201 RR | 2.0 | RR | **68** | 2.2 | 39 | 20-Sep | 36.3 | 19.6 | 67 | 70 | 31 | 66 | | | | | | | | |
| Dairyland | DSR-184/RR | 1.8 | RR | * **73** | 2.7 | 37 | 19-Sep | 34.6 | 20.1 | * 73 | 72 | 32 | * 74 | | | | | | | | |
| Dairyland | DSR-199/RR | 1.9 | RR | **70** | 2.1 | 40 | 21-Sep | 36.1 | 19.4 | * 70 | * 74 | 22 | 65 | **51** | 1.0 | 38 | 25-Sep | 49 | 52 | 53 | **61** |
| Dairyland | DSR-218 | 2.2 | CN | * **72** | 1.9 | 42 | 25-Sep | 34.6 | 20.3 | * 70 | 72 | 4 | * 73 | * **55** | 1.1 | 41 | 27-Sep | * 55 | * 55 | * 55 | * **64** |
| Dairyland | DSR-221/RR | 2.2 | RR | * **72** | 2.2 | 39 | 23-Sep | 36.1 | 19.4 | * 70 | * 77 | 10 | 69 | * **56** | 1.2 | 36 | 26-Sep | 52 | * 55 | * 60 | * **64** |
| Dekalb | DKB15-51 | 1.5 | RR | **70** | 1.9 | 35 | 17-Sep | 34.3 | 19.8 | 68 | 71 | 17 | 71 | | | | | | | | |
| Dynagro | DG-3200 RR | 2.0 | RR | * **72** | 1.9 | 37 | 24-Sep | 34.0 | 20.3 | * 71 | 72 | 15 | * 73 | | | | | | | | |
| Dynagro | DG-3218 RR | 2.1 | RR | **68** | 2.4 | 39 | 25-Sep | 35.9 | 19.0 | 67 | * 73 | 19 | 65 | | | | | | | | |
| Dynagro | DG-3223 RR | 2.2 | RR | **66** | 2.4 | 41 | 27-Sep | 36.2 | 19.3 | 67 | 72 | 26 | 60 | | | | | | | | |
| Dynagro | DG-3242 RR | 2.4 | RR | **63** | 2.7 | 39 | 28-Sep | 35.8 | 19.6 | 67 | 54 | 67 | 68 | | | | | | | | |
| FS Hisoy | HS 1505 | 1.5 | RR | **66** | 2.2 | 38 | 15-Sep | 36.1 | 19.5 | 60 | 68 | 32 | 69 | * **56** | 1.2 | 38 | 17-Sep | * 60 | * 54 | 53 | **61** |
| FS Hisoy | X 1525 | 1.5 | RR | **68** | 2.0 | 34 | 17-Sep | 34.2 | 19.8 | 64 | 66 | 44 | * 74 | | | | | | | | |
| FS Hisoy | HS 1715 | 1.7 | RR | **71** | 1.6 | 39 | 21-Sep | 36.3 | 19.6 | 68 | * 75 | 12 | 71 | **54** | 1.0 | 35 | 25-Sep | * 58 | 50 | 53 | * **63** |
| FS Hisoy | X 2026 | 2.0 | RR | **59** | 2.8 | 40 | 23-Sep | 36.4 | 20.0 | 62 | 56 | 47 | 60 | | | | | | | | |
| FS Hisoy | HS 2105 | 2.1 | RR | **66** | 3.1 | 41 | 26-Sep | 35.9 | 19.0 | 67 | 65 | 29 | 67 | * **55** | 1.5 | 38 | 27-Sep | * 62 | 51 | 51 | **61** |
| FS Hisoy | HS 2117 | 2.1 | RR | **69** | 2.2 | 40 | 27-Sep | 35.7 | 19.5 | 68 | 72 | 16 | 67 | | | | | | | | |
| Garst/AgriPro | 1304 RR | 1.3 | RR | **60** | 3.1 | 41 | 16-Sep | 34.8 | 20.0 | 58 | 58 | 54 | 63 | | | | | | | | |
| Garst/AgriPro | 2018 RR | 2.0 | RR | * **77** | 2.1 | 38 | 24-Sep | 35.0 | 19.6 | * 73 | * 81 | 21 | * 78 | | | | | | | | |
| Garst/AgriPro | 2332 RR | 2.3 | RR | **70** | 2.3 | 39 | 24-Sep | 36.4 | 19.1 | 66 | * 76 | 16 | 69 | | | | | | | | |

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# TABLE 3. CENTRAL REGION SOYBEAN TEST (Page 2 of 3)

**2002 Performance of Public and Commercial Entries at Three Central Wisconsin Locations.**
**FON = FOND DU LAC, GAL = GALESVILLE, HAN = HANCOCK**

| | | Maturity | Herb. | 2002 3-Test Average | | | | 2002 | | 2002 | | | | 2001 3-Test Average | | | | 2001 Yields | | | 6-Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Group | Toler. | **Yield** | Lodging | Height | Maturity | Fond du Lac | | FON | GAL *** | | HAN | **Yield** | Lodging | Height | Maturity | FON | GAL | HAN | **Ave.** |
| Originator/Brand | Entry | | ** | | | | | Protein | Oil | Yield | Yield | WM | Yield | | | | | | | | **Yield** |
| | | | | **bu/A** | 1-5 | in | date | % | % | bu/A | bu/A | % | bu/A | **bu/A** | 1-5 | in | date | --------- bu/A-------- | | | **bu/A** |
| Gold Country | 6318 RR | 1.8 | RR | **65** | 2.8 | 39 | 23-Sep | 34.2 | 20.2 | 64 | 65 | 36 | 65 | | | | | | | | |
| Gold Country | 1319 RR | 1.9 | RR | **69** | 2.3 | 40 | 22-Sep | 36.6 | 19.0 | 69 | 70 | 19 | 69 | | | | | | | | |
| Golden Harvest | H-1755 RR | 1.7 | RR | **68** | 2.2 | 38 | 21-Sep | 36.2 | 19.8 | * 70 | 65 | 40 | 68 | **53** | 1.0 | 34 | 25-Sep | * 59 | 50 | 50 | **61** |
| Golden Harvest | H-1961 RR | 1.9 | RR | * **73** | 2.1 | 38 | 24-Sep | 34.6 | 19.8 | * 73 | * 77 | 24 | 70 | | | | | | | | |
| Golden Harvest | H-2124 RR | 2.1 | RR | * **72** | 2.4 | 39 | 24-Sep | 35.9 | 19.2 | * 72 | * 75 | 15 | 69 | * **57** | 1.2 | 38 | 29-Sep | * 61 | * 55 | 54 | * **65** |
| Golden Harvest | H-2151 RR | 2.1 | RR | **67** | 3.0 | 41 | 25-Sep | 35.7 | 19.4 | 68 | 66 | 41 | 68 | **53** | 1.4 | 38 | 27-Sep | * 58 | 51 | 51 | **60** |
| High Cycle | 2173 RR | 1.7 | RR | **67** | 2.3 | 40 | 23-Sep | 35.7 | 20.2 | 66 | 65 | 47 | 71 | **54** | 1.0 | 38 | 25-Sep | * 55 | 50 | * 56 | **61** |
| High Cycle | 2181 RR | 1.8 | RR | **62** | 2.3 | 39 | 20-Sep | 34.1 | 20.0 | 63 | 59 | 67 | 65 | **49** | 1.1 | 36 | 24-Sep | 48 | 50 | 50 | **56** |
| High Cycle | 2201 RR | 2.0 | RR | **71** | 2.4 | 39 | 23-Sep | 36.0 | 19.5 | 69 | * 73 | 12 | 70 | **53** | 1.4 | 37 | 28-Sep | 52 | * 53 | 54 | * **62** |
| High Cycle | 2212 RR | 2.1 | RR | **65** | 2.7 | 39 | 20-Sep | 35.0 | 20.1 | 63 | 61 | 51 | 72 | | | | | | | | |
| Hughes | 182 RR | 1.8 | RR | **70** | 2.3 | 37 | 19-Sep | 34.5 | 20.6 | 67 | * 73 | 31 | 70 | | | | | | | | |
| Kaltenberg | KB 204 RR | 2.0 | RR | **65** | 1.9 | 41 | 22-Sep | 35.7 | 19.4 | 63 | 69 | 37 | 62 | | | | | | | | |
| Kaltenberg | KB 211 RR | 2.1 | RR | **69** | 2.5 | 40 | 24-Sep | 36.5 | 19.4 | 62 | * 74 | 37 | 71 | **54** | 1.2 | 36 | 01-Oct | 53 | * 53 | * 57 | * **62** |
| Kaltenberg | KB 212 RR | 2.1 | RR | **64** | 2.7 | 40 | 20-Sep | 35.7 | 19.8 | 62 | 60 | 47 | 71 | * **56** | 1.7 | 38 | 27-Sep | * 62 | * 53 | 53 | **60** |
| Kaltenberg | KB 221 RR | 2.2 | RR | * **73** | 2.4 | 41 | 24-Sep | 36.8 | 18.9 | * 72 | * 75 | 14 | 72 | | | | | | | | |
| Kaltenberg | KB 223 RR | 2.2 | RR | * **74** | 2.4 | 35 | 23-Sep | 34.4 | 20.1 | * 73 | * 77 | 16 | * 73 | | | | | | | | |
| Kruger | K-0991 | 0.9 | CN | **67** | 3.2 | 40 | 09-Sep | 35.8 | 19.4 | 65 | 61 | 25 | * 74 | | | | | | | | |
| Kruger | K-121 RR | 1.2 | RR | **68** | 1.5 | 36 | 09-Sep | 35.2 | 20.3 | 63 | 69 | 21 | * 73 | | | | | | | | |
| Kruger | K-1333 | 1.3 | CN | * **73** | 2.3 | 38 | 18-Sep | 36.2 | 19.4 | * 72 | * 77 | 17 | 70 | | | | | | | | |
| Kruger | K-155 RR | 1.5 | RR | **69** | 1.7 | 38 | 11-Sep | 34.3 | 20.4 | 66 | * 73 | 37 | 69 | | | | | | | | |
| Kruger | K-166 RR | 1.6 | RR | **67** | 1.9 | 35 | 20-Sep | 34.6 | 19.6 | 66 | 71 | 36 | 63 | | | | | | | | |
| Kruger | K-1943 | 1.9 | CN | * **74** | 3.0 | 42 | 24-Sep | 34.0 | 19.0 | 69 | * 75 | 23 | * 77 | | | | | | | | |
| Kruger | K-1990 | 1.9 | CN | * **73** | 2.7 | 39 | 21-Sep | 35.2 | 19.2 | * 72 | * 73 | 8 | * 74 | | | | | | | | |
| Kruger | K-1991 | 1.9 | CN | * **73** | 2.7 | 38 | 22-Sep | 35.7 | 19.5 | * 70 | * 74 | 16 | * 76 | | | | | | | | |
| Kruger | K-1996 | 1.9 | CN | **71** | 2.5 | 41 | 21-Sep | 34.1 | 20.2 | 69 | * 74 | 11 | 70 | | | | | | | | |
| LaCrosse | LC 1800 RR | 1.8 | RR | **65** | 2.8 | 41 | 21-Sep | 36.3 | 19.8 | 60 | 71 | 21 | 63 | | | | | | | | |
| LaCrosse | LC 1920 | 1.9 | CN | * **73** | 2.5 | 40 | 21-Sep | 34.9 | 19.4 | * 73 | * 74 | 4 | * 73 | **51** | 1.2 | 37 | 24-Sep | 53 | 47 | 54 | * **62** |
| Latham | EX-280 | 1.7 | CN | * **75** | 2.3 | 38 | 19-Sep | 35.2 | 19.6 | * 76 | * 73 | 10 | * 75 | | | | | | | | |
| Latham | 297 RR Brand | 1.8 | RR | **67** | 2.2 | 38 | 21-Sep | 36.2 | 19.5 | * 70 | 64 | 51 | 67 | | | | | | | | |
| Latham | EX-318 RR | 1.8 | RR | **64** | 2.6 | 40 | 21-Sep | 34.4 | 20.2 | 67 | 61 | 51 | 63 | | | | | | | | |
| Latham | 367 RR Brand | 1.9 | RR | * **73** | 2.4 | 41 | 23-Sep | 35.0 | 19.4 | * 71 | * 78 | 31 | 70 | * **59** | 1.0 | 35 | 26-Sep | * 63 | * 55 | * 59 | * **66** |
| Latham | 392 Brand | 1.9 | CN | **70** | 3.3 | 41 | 23-Sep | 35.8 | 19.4 | * 75 | 66 | 27 | 70 | | | | | | | | |
| LG Seeds | C 1712 RR | 1.7 | RR | **69** | 1.8 | 38 | 20-Sep | 35.7 | 19.8 | * 74 | 67 | 59 | 66 | | | | | | | | |
| LG Seeds | C 1911 RR | 1.9 | RR | **69** | 2.3 | 40 | 21-Sep | 36.2 | 19.2 | * 71 | 69 | 29 | 67 | | | | | | | | |
| Mallard | RR 2012 | 2.0 | RR | **69** | 1.9 | 38 | 23-Sep | 34.6 | 20.1 | 69 | 68 | 10 | 71 | | | | | | | | |
| Mallard | RR 2111 | 2.1 | RR | **67** | 3.1 | 42 | 21-Sep | 35.1 | 20.1 | 68 | 64 | 39 | 68 | | | | | | | | |
| Midwest | GR 2037 | 2.0 | RR | * **73** | 1.9 | 37 | 24-Sep | 34.7 | 20.1 | * 74 | * 74 | 14 | 71 | | | | | | | | |
| Midwest | GR 2132 | 2.1 | RR | **67** | 2.7 | 40 | 23-Sep | 35.3 | 19.9 | 69 | 63 | 50 | 68 | | | | | | | | |

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# TABLE 3. CENTRAL REGION SOYBEAN TEST (Page 3 of 3)

**2002 Performance of Public and Commercial Entries at Three Central Wisconsin Locations.**
**FON = FOND DU LAC, GAL = GALESVILLE, HAN = HANCOCK**

| Originator/Brand | Entry | Maturity Group | Herb. Toler. ** | 2002 3-Test Average Yield | Lodging | Height | Maturity | 2002 Fond du Lac Protein | Oil | 2002 FON Yield | 2002 GAL *** Yield | WM | 2002 HAN Yield | 2001 3-Test Average Yield | Lodging | Height | Maturity | 2001 Yields FON | GAL | HAN | 6-Test Ave. Yield |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | **bu/A** | 1-5 | in | date | % | % | bu/A | bu/A | % | bu/A | **bu/A** | 1-5 | in | date | --------- bu/A-------- | | | **bu/A** |
| NK Brand | S 19-V2 | 1.9 | RR | **69** | 1.7 | 37 | 19-Sep | 33.7 | 20.2 | 65 | * 75 | 9 | 66 | *** 57** | 1.0 | 32 | 23-Sep | * 63 | * 57 | 51 | *** 63** |
| NK Brand | S 24-K4 | 2.4 | RR | **65** | 3.1 | 40 | 24-Sep | 35.1 | 19.6 | 68 | 61 | 25 | 66 | *** 55** | 2.2 | 38 | 29-Sep | * 58 | * 54 | 54 | **60** |
| NK Brand | S 25-J5 | 2.5 | CN | *** 72** | 2.1 | 38 | 28-Sep | 35.3 | 19.6 | * 72 | * 74 | 11 | 70 | | | | | | | | |
| North-Gro | NB 185 RR | 1.8 | RR | **66** | 2.0 | 39 | 19-Sep | 35.7 | 20.0 | 65 | 65 | 30 | 67 | | | | | | | | |
| North-Gro | NB 200 | 2.0 | CN | *** 73** | 2.8 | 40 | 20-Sep | 35.4 | 19.3 | * 73 | 70 | 9 | * 76 | **51** | 1.4 | 37 | 23-Sep | 50 | 45 | * 57 | *** 62** |
| North-Gro | NB 212 RR | 2.1 | RR | **67** | 2.5 | 40 | 20-Sep | 34.4 | 20.1 | 69 | 66 | 45 | 67 | | | | | | | | |
| O'Brien | O'Soy 191 N RR | 1.9 | RR | **57** | 3.5 | 44 | 19-Sep | 36.4 | 19.5 | 59 | 55 | 41 | 58 | | | | | | | | |
| O'Brien | O'Soy 242 RR | 2.3 | RR | **69** | 1.7 | 39 | 20-Sep | 34.8 | 19.8 | 69 | * 73 | 26 | 64 | | | | | | | | |
| O'Brien | O'Soy 243 | 2.4 | CN | **71** | 2.5 | 41 | 30-Sep | 35.8 | 18.4 | * 75 | 70 | 25 | 68 | | | | | | | | |
| Pioneer | 92B13 | 2.1 | RR | **67** | 2.7 | 40 | 22-Sep | 34.8 | 19.8 | 65 | 69 | 20 | 67 | | | | | | | | |
| Pioneer | 92B38 | 2.3 | RR | **69** | 2.3 | 42 | 24-Sep | 36.0 | 19.2 | 65 | * 73 | 10 | 69 | **54** | 1.5 | 41 | 26-Sep | * 56 | 52 | * 55 | *** 62** |
| Pioneer | 92B47 | 2.4 | RR | **67** | 2.1 | 37 | 28-Sep | 37.2 | 18.6 | 65 | 70 | 24 | 65 | | | | | | | | |
| Prairie Brand | PB-1241 RR | 1.2 | RR | **68** | 1.6 | 36 | 09-Sep | 34.8 | 20.4 | 61 | 72 | 15 | 70 | | | | | | | | |
| Prairie Brand | PB-1552 RR | 1.5 | RR | **71** | 2.1 | 34 | 16-Sep | 34.2 | 19.8 | 68 | * 76 | 19 | 69 | | | | | | | | |
| Prairie Brand | PB-178 | 1.7 | CN | **70** | 2.4 | 38 | 21-Sep | 35.4 | 19.5 | 68 | 68 | 11 | * 75 | *** 56** | 1.2 | 35 | 22-Sep | * 58 | 52 | * 57 | *** 63** |
| Prairie Brand | PB-1921 RR | 1.9 | RR | *** 76** | 2.1 | 40 | 25-Sep | 34.7 | 19.6 | * 76 | * 79 | 19 | 72 | | | | | | | | |
| Prairie Brand | PB-1981 RR | 1.9 | RR | **69** | 2.4 | 41 | 26-Sep | 36.1 | 19.3 | 68 | 71 | 25 | 68 | **51** | 1.0 | 36 | 29-Sep | 48 | * 53 | 52 | **60** |
| Renk | RS 141 RR | 1.4 | RR | **67** | 1.9 | 38 | 09-Sep | 34.4 | 20.2 | 65 | 71 | 20 | 65 | **47** | 1.1 | 34 | 18-Sep | 50 | 42 | 48 | **57** |
| Renk | RS 172 RR | 1.7 | RR | **70** | 1.9 | 39 | 20-Sep | 36.1 | 19.8 | * 70 | * 73 | 25 | 67 | | | | | | | | |
| Renk | RS 199 RR | 1.9 | RR | **67** | 2.7 | 39 | 18-Sep | 33.5 | 21.3 | 66 | 69 | 21 | 65 | *** 55** | 1.2 | 35 | 20-Sep | * 57 | * 53 | 54 | **61** |
| Renk | RS 212 RR | 2.2 | RR | **67** | 2.3 | 40 | 24-Sep | 34.0 | 19.9 | 64 | 69 | 29 | 68 | | | | | | | | |
| Spansoy | 163 RR | 1.6 | RR | **68** | 1.9 | 38 | 18-Sep | 36.8 | 18.6 | 66 | 70 | 61 | 68 | | | | | | | | |
| Spansoy | 212 RR | 2.1 | RR | **70** | 2.4 | 40 | 24-Sep | 36.2 | 19.5 | * 71 | 72 | 35 | 66 | *** 55** | 1.1 | 35 | 28-Sep | * 59 | 52 | 54 | *** 63** |
| Stine | S 1586-4 | 1.5 | RR | **67** | 1.8 | 34 | 17-Sep | 34.2 | 19.8 | 64 | 66 | 44 | 72 | | | | | | | | |
| Stine | S 1613-4 | 1.6 | RR | **69** | 2.2 | 37 | 20-Sep | 36.2 | 19.6 | 66 | 72 | 26 | 69 | **51** | 1.1 | 34 | 26-Sep | 52 | 51 | 51 | **60** |
| Stine | S 1918-4 | 1.9 | RR | *** 73** | 2.2 | 38 | 23-Sep | 34.8 | 19.9 | * 70 | * 80 | 11 | 69 | | | | | | | | |
| US Seeds | US S1703 RR | 1.7 | RR | **68** | 2.2 | 38 | 21-Sep | 36.5 | 19.7 | 68 | 70 | 24 | 67 | | | | | | | | |
| Vigoro | V 173 RR | 1.8 | RR | **63** | 2.8 | 39 | 22-Sep | 34.7 | 20.1 | 63 | 64 | 40 | 61 | | | | | | | | |
| Vigoro | V 213 RR | 2.1 | RR | **70** | 2.3 | 41 | 24-Sep | 36.2 | 19.4 | 67 | * 74 | 17 | 70 | *** 55** | 1.4 | 37 | 28-Sep | * 60 | 51 | 53 | *** 63** |
| MEAN | | | | **68** | 2.4 | 39 | 21-Sep | 35.3 | 19.7 | 67 | 69 | 27 | 68 | **51** | 1.4 | 37 | 23-Sep | 53 | 49 | 52 | **61** |
| LSD(0.10) | | | | **5** | 0.5 | 2 | 2 | | | 6 | 8 | 19 | 5 | **4** | 0.4 | 2 | 5 | 8 | 4 | 5 | **4** |

* Yields preceded by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

** Herbicide Tolerance : RR= Tolerance to "Roundup" herbicide , CN = Conventional herbicide tolerance.

***Galesville site was affected by White Mold in 2002. The disease severity are % of plants expressing White Mold Disease and may explain the lower yields for select varieties.

**Results that are shaded provide the best estimate of relative variety performance.**

# TABLE 4. NORTH-CENTRAL REGION SOYBEAN TEST (Page 1 of 3)

**2002 Performance of Public and Commercial Entries at Four North Central Wisconsin Locations.**
**CHP=CHIPPEWA FALLS, MAR=MARSHFIELD, SEY=SEYMOUR, VAL=VALDERS**

| Originator/Brand | Entry | Maturity Group | Herb. Toler. ** | 2002 4-Test Average Yield | Lodging | Height | Maturity | 2002 Valders Protein | Oil | 2002 Yields CHP | MAR | SEY | VAL | 2001 4-Test Average Yield | Lodging | Height | Maturity | 2001 Yields CHP | MAR | SEY | VAL | 8-Test Ave. Yield |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | bu/A | 1-5 | in | date | % | % | bu/A | | | | bu/A | 1-5 | in | date | bu/A | | | | bu/A |
| Public | MN 0301 | 0.3 | CN | **44** | 1.8 | 29 | 06-Sep | 33.2 | 21.3 | 31 | 39 | 56 | 50 | **47** | 1.5 | 28 | 10-Sep | 44 | 43 | 52 | 48 | **46** |
| Public | MN 0302 | 0.3 | CN | **50** | 1.4 | 32 | 08-Sep | 35.0 | 20.6 | 38 | 44 | 58 | 58 | | | | | | | | | |
| Public | Lambert | 0.8 | CN | **53** | 1.6 | 32 | 12-Sep | 35.7 | 21.1 | 43 | 54 | 59 | 55 | **48** | 1.4 | 28 | 17-Sep | 50 | 38 | 57 | 47 | **51** |
| Public | Surge | 0.9 | CN | **53** | 1.1 | 30 | 16-Sep | 36.0 | 20.2 | 46 | 55 | 52 | 60 | **50** | 1.2 | 29 | 20-Sep | 54 | 46 | 52 | 48 | **52** |
| Public | MN 1301 | 1.3 | CN | **54** | 1.3 | 34 | 16-Sep | 35.7 | 20.0 | 40 | 52 | 58 | 65 | **53** | 1.0 | 31 | 23-Sep | 47 | 48 | 60 | * 55 | **54** |
| Public | IA 1006 | 1.6 | CN | **60** | 2.3 | 38 | 26-Sep | 34.6 | 20.0 | 49 | 63 | 62 | 65 | **55** | 1.9 | 34 | 2-Oct | 51 | 46 | 66 | * 55 | **58** |
| Public | HP 204 | 1.9 | CN | **53** | 2.1 | 40 | 02-Oct | 38.0 | 18.8 | 43 | 55 | 53 | 61 | | | | | | | | | |
| Public | Hardin 91 | 1.9 | CN | **61** | 2.7 | 37 | 01-Oct | 34.5 | 20.6 | 47 | 62 | 64 | * 72 | **55** | 2.4 | 35 | 3-Oct | 50 | 50 | 65 | * 55 | **58** |
| Public | Vinton 81 | 2.0 | CN | **50** | 1.9 | 39 | 03-Oct | 37.1 | 19.1 | 45 | 50 | 49 | 57 | | | | | | | | | |
| Public | IA 2008 R | 2.1 | CN | **62** | 2.5 | 40 | 04-Oct | 35.5 | 19.7 | 51 | * 66 | 62 | * 70 | | | | | | | | | |
| Asgrow | AG0801 | 0.8 | RR | **59** | 1.4 | 31 | 14-Sep | 33.5 | 20.3 | 45 | 56 | 65 | * 71 | **52** | 1.1 | 29 | 19-Sep | 49 | 48 | 61 | 49 | **56** |
| Asgrow | AG1401 | 1.4 | RR | **60** | 1.7 | 33 | 21-Sep | 33.4 | 20.7 | 48 | 65 | 59 | 67 | | | | | | | | | |
| Bio Gene | 1240 RR | 1.2 | RR | **52** | 1.4 | 34 | 24-Sep | 33.1 | 19.9 | 47 | 40 | 59 | 60 | | | | | | | | | |
| Brunner | BR-0799 RR | 0.7 | RR | **56** | 1.5 | 35 | 14-Sep | 32.9 | 20.9 | 47 | 55 | 61 | 60 | **51** | 1.1 | 30 | 20-Sep | 47 | 48 | 59 | 51 | **54** |
| Brunner | BR-1500 RR | 1.5 | RR | **59** | 1.4 | 34 | 24-Sep | 36.4 | 19.5 | * 55 | 56 | 60 | 65 | **54** | 1.1 | 30 | 25-Sep | 51 | 52 | 62 | 50 | **57** |
| Dahlco | DS 9042 RR | 0.4 | RR | **50** | 2.2 | 34 | 13-Sep | 36.3 | 19.1 | 43 | 52 | 50 | 53 | | | | | | | | | |
| Dahlco | DS 9051 RR | 0.5 | RR | **53** | 1.4 | 31 | 13-Sep | 33.3 | 21.7 | 41 | 52 | 56 | 62 | | | | | | | | | |
| Dahlco | DS 9083 | 0.8 | RR | **52** | 1.9 | 34 | 12-Sep | 36.4 | 19.6 | 36 | 59 | 54 | 59 | | | | | | | | | |
| Dahlco | DS 9084 RR | 0.8 | RR | **54** | 1.1 | 27 | 16-Sep | 34.2 | 20.9 | 44 | 56 | 56 | 58 | | | | | | | | | |
| Dahlco | DS 9130 RR | 1.3 | RR | **61** | 1.3 | 32 | 21-Sep | 35.2 | 20.1 | 48 | 60 | 64 | * 71 | | | | | | | | | |
| Dahlco | DS 9147 RRC | 1.4 | RR | **53** | 1.6 | 32 | 24-Sep | 36.6 | 18.8 | 39 | 54 | 58 | 59 | | | | | | | | | |
| Dahlco | X-2140 RR | 1.4 | RR | **61** | 1.4 | 32 | 29-Sep | 35.8 | 19.4 | * 55 | 55 | 62 | * 71 | | | | | | | | | |
| Dairyland | DSR-130/RR | 1.3 | RR | **60** | 2.1 | 35 | 24-Sep | 34.7 | 19.6 | * 53 | 63 | 60 | 63 | **54** | 1.4 | 30 | 23-Sep | 51 | 49 | 64 | 51 | **57** |
| Dairyland | DSR-151/RR | 1.5 | RR | **63** | 1.5 | 32 | 27-Sep | 35.9 | 19.1 | 51 | 64 | 64 | * 74 | **53** | 1.0 | 28 | 28-Sep | 49 | 44 | 62 | * 55 | **58** |
| Dairyland | DST 1226/RR | 1.5 | RR | **61** | 1.1 | 30 | 27-Sep | 36.3 | 20.0 | 51 | 60 | 61 | * 70 | | | | | | | | | |
| Dairyland | DSR-160/STS | 1.6 | STS | **62** | 2.0 | 32 | 23-Sep | 35.1 | 19.4 | 50 | 64 | 60 | * 73 | **53** | 1.9 | 30 | 28-Sep | 51 | 49 | 59 | 52 | **58** |
| Dairyland | DSR-181/RR | 1.8 | RR | *** 64** | 2.0 | 35 | 28-Sep | 34.2 | 20.5 | * 55 | 64 | 64 | * 74 | **56** | 2.3 | 33 | 30-Sep | 52 | 52 | 68 | 52 | **60** |
| Dairyland | DSR-184/RR | 1.8 | RR | *** 65** | 1.6 | 31 | 27-Sep | 33.7 | 21.0 | 50 | * 72 | 61 | * 75 | | | | | | | | | |
| Dekalb | DKB09-52 | 0.9 | RR | **48** | 1.6 | 32 | 15-Sep | 34.4 | 20.4 | 43 | 32 | 60 | 58 | | | | | | | | | |
| Dekalb | DKB10-51 | 1.0 | RR | **56** | 1.2 | 29 | 17-Sep | 35.8 | 19.5 | 47 | 56 | 65 | 56 | **53** | 1.0 | 26 | 21-Sep | * 55 | 49 | 58 | 49 | **55** |
| Dekalb | DKB15-51 | 1.5 | RR | **61** | 1.0 | 29 | 29-Sep | 33.9 | 20.1 | 51 | 56 | 66 | * 70 | | | | | | | | | |
| Dynagro | DG-3123 RR | 1.2 | RR | **58** | 1.3 | 31 | 19-Sep | 34.1 | 20.8 | 43 | 61 | 61 | 65 | **52** | 1.1 | 27 | 22-Sep | 48 | 51 | 64 | 46 | **55** |
| Dynagro | DG-3158 RR | 1.5 | RR | **60** | 1.5 | 33 | 23-Sep | 36.5 | 19.3 | 47 | 56 | * 69 | 67 | **56** | 1.2 | 30 | 24-Sep | 53 | 53 | 68 | 48 | **58** |
| Dynagro | DG-3172 RR | 1.7 | RR | **63** | 1.3 | 32 | 29-Sep | 36.0 | 20.0 | 51 | 60 | 65 | * 75 | | | | | | | | | |
| Dynagro | DG-3183 RR | 1.8 | RR | **62** | 1.5 | 34 | 03-Oct | 34.8 | 20.1 | * 54 | 60 | 61 | * 72 | | | | | | | | | |

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# TABLE 4. NORTH-CENTRAL REGION SOYBEAN TEST (Page 2 of 3)

**2002 Performance of Public and Commercial Entries at Four North Central Wisconsin Locations.**
**CHP=CHIPPEWA FALLS, MAR=MARSHFIELD, SEY=SEYMOUR, VAL=VALDERS**

| Originator/Brand | Entry | Maturity Group | Herb. Toler. ** | 2002 4-Test Average Yield | Lodging | Height | Maturity | 2002 Valders Protein | Oil | 2002 Yields CHP | MAR | SEY | VAL | 2001 4-Test Average Yield | Lodging | Height | Maturity | 2001 Yields CHP | MAR | SEY | VAL | 8-Test Ave. Yield |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | bu/A | 1-5 | in | date | % | % | bu/A | | | | bu/A | 1-5 | in | date | bu/A | | | | bu/A |
| Elk Mound | Excel 8120 RR | 1.3 | RR | **60** | 2.0 | 35 | 26-Sep | 34.5 | 19.6 | 49 | 61 | 61 | 67 | | | | | | | | | |
| FS Hisoy | HS 1015 | 1.0 | RR | **58** | 1.1 | 30 | 18-Sep | 35.7 | 19.5 | 46 | 55 | 64 | 65 | **48** | 1.0 | 24 | 22-Sep | 43 | 45 | 52 | 51 | **53** |
| FS Hisoy | X 1225 | 1.2 | RR | **55** | 1.8 | 36 | 21-Sep | 34.3 | 19.7 | 51 | 52 | 59 | 59 | | | | | | | | | |
| FS Hisoy | HS 1305 | 1.3 | RR | **61** | 1.6 | 33 | 22-Sep | 37.8 | 19.2 | 48 | 59 | * 70 | 66 | **53** | 1.0 | 29 | 25-Sep | 52 | 49 | 63 | 48 | **57** |
| FS Hisoy | HS 1391 | 1.3 | CN | **62** | 1.4 | 33 | 24-Sep | 35.9 | 19.7 | 51 | 55 | * 68 | * 75 | **54** | 1.1 | 29 | 24-Sep | 52 | 47 | 65 | 52 | **58** |
| FS Hisoy | HS 1505 | 1.5 | RR | **61** | 1.4 | 32 | 25-Sep | 35.6 | 19.8 | 50 | 58 | * 69 | 65 | **57** | 1.0 | 30 | 24-Sep | 53 | 52 | 67 | * 55 | **59** |
| FS Hisoy | X 1525 | 1.5 | RR | **61** | 1.1 | 29 | 28-Sep | 33.4 | 20.4 | 51 | 57 | * 69 | 68 | | | | | | | | | |
| FS Hisoy | HS 1715 | 1.7 | RR | **62** | 1.1 | 32 | 01-Oct | 35.7 | 20.0 | * 52 | 59 | * 70 | 68 | | | | | | | | | |
| Garst/AgriPro | 1304 RR | 1.3 | RR | **57** | 1.4 | 33 | 22-Sep | 35.1 | 19.9 | 47 | 56 | 58 | 65 | | | | | | | | | |
| Garst/AgriPro | 1406 RR | 1.4 | RR | **59** | 1.6 | 34 | 22-Sep | 35.4 | 19.3 | 44 | 60 | 61 | * 71 | | | | | | | | | |
| Gold Country | 2110 RR | 1.0 | RR | **57** | 1.3 | 31 | 17-Sep | 35.4 | 19.5 | 44 | 57 | 64 | 63 | | | | | | | | | |
| Gold Country | 6112 RR | 1.2 | RR | **62** | 1.6 | 32 | 17-Sep | 33.3 | 21.1 | 48 | 64 | 64 | * 70 | | | | | | | | | |
| Gold Country | 2314 RR | 1.4 | RR | **63** | 1.6 | 33 | 27-Sep | 34.4 | 20.4 | 50 | 64 | * 69 | * 70 | | | | | | | | | |
| Gold Country | 2115 RR | 1.5 | RR | **61** | 1.5 | 35 | 23-Sep | 36.4 | 19.4 | 50 | 55 | * 70 | * 70 | | | | | | | | | |
| Golden Harvest | H-1535 RR | 1.5 | RR | **61** | 1.4 | 34 | 21-Sep | 36.1 | 19.7 | * 52 | 60 | 65 | 68 | **55** | 1.1 | 30 | 23-Sep | * 55 | 52 | 64 | 50 | **58** |
| Golden Harvest | H-1755 RR | 1.7 | RR | **63** | 1.2 | 32 | 29-Sep | 36.1 | 19.9 | * 52 | 62 | * 68 | * 69 | **55** | 1.0 | 29 | 30-Sep | 53 | 50 | 66 | 50 | **59** |
| Golden Harvest | H-1961 RR | 1.9 | RR | *** 68** | 1.3 | 33 | 04-Oct | 35.3 | 19.7 | * 57 | * 70 | * 70 | * 73 | | | | | | | | | |
| Golden Harvest | H-2124 RR | 2.1 | RR | *** 68** | 1.8 | 35 | 03-Oct | 35.9 | 19.4 | * 59 | * 70 | * 68 | * 74 | | | | | | | | | |
| Golden Harvest | H-2151 RR | 2.1 | RR | *** 65** | 2.0 | 36 | 03-Oct | 35.9 | 19.2 | * 54 | * 70 | 66 | * 71 | | | | | | | | | |
| High Cycle | 2141 RR | 1.4 | RR | **61** | 1.5 | 31 | 18-Sep | 33.5 | 20.8 | 48 | 62 | 64 | 68 | **56** | 1.1 | 28 | 21-Sep | 50 | 54 | 63 | * 55 | **59** |
| High Cycle | 2152 RR | 1.5 | RR | **62** | 2.0 | 36 | 28-Sep | 33.0 | 20.0 | * 54 | 64 | 64 | 66 | | | | | | | | | |
| High Cycle | 2173 RR | 1.7 | RR | *** 65** | 1.6 | 36 | 02-Oct | 36.6 | 20.0 | * 59 | * 66 | 64 | * 70 | | | | | | | | | |
| Kaltenberg | KB 081 RR | 0.8 | RR | **54** | 1.8 | 34 | 11-Sep | 34.4 | 20.3 | 43 | 57 | 53 | 61 | | | | | | | | | |
| Kaltenberg | KB 153 RR | 1.5 | RR | **62** | 1.1 | 29 | 26-Sep | 34.4 | 19.9 | 51 | 58 | * 69 | * 70 | | | | | | | | | |
| Kaltenberg | KB 172 RR | 1.7 | RR | *** 64** | 1.3 | 33 | 26-Sep | 36.3 | 19.9 | * 54 | * 66 | 66 | * 71 | | | | | | | | | |
| Kaltenberg | KB 192 RR | 1.9 | RR | *** 65** | 1.8 | 37 | 28-Sep | 34.6 | 19.9 | * 54 | * 68 | 67 | * 70 | | | | | | | | | |
| Kaltenberg | KB 203 RR | 2.0 | RR | *** 67** | 1.1 | 31 | 02-Oct | 34.8 | 20.2 | * 56 | * 69 | * 70 | * 73 | | | | | | | | | |
| LaCrosse | LC 1000 RR | 1.0 | RR | **59** | 1.3 | 29 | 17-Sep | 34.8 | 20.0 | 50 | 58 | 67 | 62 | **52** | 1.0 | 26 | 21-Sep | 50 | 50 | 57 | 51 | **56** |
| LaCrosse | LC 1500 RR | 1.5 | RR | *** 64** | 1.1 | 30 | 27-Sep | 33.6 | 20.2 | * 57 | 56 | * 70 | * 73 | | | | | | | | | |
| LaCrosse | LC 1800 RR | 1.8 | RR | **60** | 1.9 | 36 | 30-Sep | 36.4 | 20.1 | * 53 | 60 | 60 | 65 | | | | | | | | | |
| LG Seeds | C 9093 RR | 0.9 | RR | **54** | 1.6 | 32 | 15-Sep | 34.7 | 21.1 | 46 | 49 | 62 | 60 | **51** | 1.1 | 27 | 19-Sep | 49 | 45 | 60 | 49 | **53** |
| LG Seeds | C 1410 RR | 1.4 | RR | **63** | 1.6 | 33 | 22-Sep | 35.5 | 19.9 | * 56 | * 66 | 65 | 65 | | | | | | | | | |
| Mallard | RR 1011 | 1.0 | RR | **56** | 1.1 | 30 | 17-Sep | 35.7 | 19.6 | 46 | 51 | 65 | 62 | **52** | 1.0 | 26 | 22-Sep | 52 | 48 | 61 | 48 | **54** |

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# TABLE 4. NORTH-CENTRAL REGION SOYBEAN TEST (Page 3 of 3)

**2002 Performance of Public and Commercial Entries at Four North Central Wisconsin Locations.**
**CHP=CHIPPEWA FALLS, MAR=MARSHFIELD, SEY=SEYMOUR, VAL=VALDERS**

| Originator/Brand | Entry | Maturity Group | Herb. Toler. ** | 2002 4-Test Average Yield | Lodging | Height | Maturity | 2002 Valders Protein | Oil | 2002 Yields CHP | MAR | SEY | VAL | 2001 4-Test Average Yield | Lodging | Height | Maturity | 2001 Yields CHP | MAR | SEY | VAL | 8-Test Ave. Yield |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | bu/A | 1-5 | in | date | % | % | bu/A | | | | bu/A | 1-5 | in | date | bu/A | | | | bu/A |
| NK Brand | S 10-T1 | 1.0 | RR | **61** | 1.1 | 33 | 15-Sep | 34.9 | 19.6 | * 54 | 56 | 66 | 68 | **52** | 1.0 | 28 | 17-Sep | 49 | 47 | 65 | 47 | **57** |
| NK Brand | S 15-B1 | 1.5 | RR | **62** | 1.6 | 35 | 23-Sep | 35.8 | 19.5 | 45 | * 67 | 67 | 67 | | | | | | | | | |
| NK Brand | S 16-Y6 | 1.6 | CN | *** 65** | 1.2 | 28 | 24-Sep | 34.6 | 20.6 | * 54 | 57 | * 71 | * 76 | *** 60** | 1.0 | 26 | 26-Sep | 54 | 55 | 72 | * 57 | *** 63** |
| NK Brand | S 19-V2 | 1.9 | RR | *** 64** | 1.1 | 31 | 29-Sep | 34.9 | 19.7 | 51 | 59 | * 73 | * 74 | **56** | 1.0 | 27 | 28-Sep | 52 | * 56 | 66 | 48 | **60** |
| North-Gro | NB 141 RR | 1.4 | RR | **61** | 1.9 | 39 | 21-Sep | 33.3 | 20.7 | * 52 | 61 | 63 | 66 | **55** | 1.3 | 33 | 27-Sep | 51 | 55 | 61 | * 54 | **58** |
| North-Gro | NB 185 RR | 1.8 | RR | **59** | 1.1 | 32 | 29-Sep | 36.1 | 19.9 | 49 | 57 | 61 | * 70 | | | | | | | | | |
| Pioneer | 91B03 | 1.0 | RR | **55** | 1.1 | 29 | 14-Sep | 35.5 | 20.4 | 47 | 51 | 62 | 60 | | | | | | | | | |
| Pioneer | 91B52 | 1.5 | RR | **60** | 1.3 | 30 | 21-Sep | 34.9 | 20.9 | 50 | 58 | 65 | 68 | | | | | | | | | |
| Pioneer | 91B64 | 1.6 | RR | **61** | 1.4 | 33 | 22-Sep | 33.9 | 20.8 | 49 | 59 | 65 | * 69 | **55** | 1.2 | 30 | 26-Sep | 52 | 50 | 65 | * 53 | **58** |
| Prairie Brand | PB-0812 RR | 0.8 | RR | **57** | 1.6 | 33 | 20-Sep | 35.6 | 20.0 | * 53 | 51 | 64 | 61 | | | | | | | | | |
| Prairie Brand | PB-1241 RR | 1.2 | RR | **62** | 1.2 | 30 | 19-Sep | 34.7 | 20.5 | 51 | 62 | 61 | * 74 | | | | | | | | | |
| Prairie Brand | PB-178 | 1.7 | CN | *** 66** | 1.3 | 32 | 28-Sep | 36.1 | 19.3 | * 55 | 65 | * 72 | * 72 | *** 65** | 1.2 | 30 | 29-Sep | * 60 | * 60 | * 79 | * 59 | *** 66** |
| Renk | RS 101 RR | 1.0 | RR | **58** | 1.2 | 30 | 17-Sep | 35.5 | 19.7 | 45 | 51 | * 70 | 65 | **47** | 1.0 | 24 | 22-Sep | 44 | 42 | 62 | 39 | **53** |
| Renk | RS 141 RR | 1.4 | RR | **59** | 1.3 | 31 | 17-Sep | 33.7 | 20.8 | 48 | 63 | 61 | 65 | **53** | 1.1 | 28 | 25-Sep | 47 | 51 | 61 | * 54 | **56** |
| Spansoy | 103 RR | 1.0 | RR | **55** | 1.4 | 29 | 21-Sep | 35.1 | 19.5 | 48 | 49 | 59 | 63 | | | | | | | | | |
| Spansoy | 132 RR | 1.3 | RR | **62** | 1.9 | 36 | 22-Sep | 35.2 | 19.4 | * 52 | * 66 | 60 | * 69 | **54** | 1.4 | 31 | 23-Sep | 51 | 51 | 61 | * 53 | **58** |
| Stine | S 1346-4 | 1.3 | RR | **60** | 1.6 | 32 | 23-Sep | 34.8 | 20.0 | * 52 | 59 | 62 | 68 | | | | | | | | | |
| Stine | S 1586-4 | 1.5 | RR | **63** | 1.1 | 29 | 27-Sep | 34.3 | 19.9 | 49 | 61 | 67 | * 74 | | | | | | | | | |
| Stine | S 1918-4 | 1.9 | RR | *** 66** | 1.2 | 31 | 03-Oct | 35.0 | 19.9 | * 59 | * 66 | 67 | * 72 | | | | | | | | | |
| US Seeds | US S1002 RR | 1.0 | RR | **54** | 1.3 | 29 | 20-Sep | 35.6 | 19.3 | 42 | 44 | 65 | 63 | | | | | | | | | |
| US Seeds | US S1403 RR | 1.4 | RR | **62** | 1.9 | 34 | 24-Sep | 35.5 | 19.8 | * 57 | 58 | 61 | * 73 | | | | | | | | | |
| MEAN | | | | **59** | 1.5 | 33 | 23-Sep | 35.1 | 20.0 | 49 | 58 | 63 | 67 | **52** | 1.2 | 29 | 24-Sep | 49 | 48 | 61 | 50 | **57** |
| LSD(0.10) | | | | **4** | 0.3 | 2 | 2 | | | 7 | 6 | 5 | 7 | **5** | 0.3 | 2 | 3 | 5 | 4 | 6 | 6 | **3** |

* Yields preceded by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

** Herbicide Tolerance : RR= Tolerance to "Roundup" herbicide , STS = Tolerance to Sulfonylurea herbicides, CN = Conventional herbicide tolerance.

**Results that are shaded provide the best estimate of relative variety performance.**

# TABLE 5. NORTHERN REGION SOYBEAN TEST

**2002 Performance of Public and Commercial Entries at Three Northern Wisconsin Locations.**
**SPD=SPOONER DRYLAND, SPI=SPOONER IRRIGATED, STR=STURGEON BAY**

| | | Maturity | Herb. | 2002 3-Test Average | | | | 2002 Sturgeon Bay | | 2002 Yields | | | 2001 3-Test Average | | | | 2001 | | | 6-Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Originator/Brand | Entry | Group | Toler. ** | **Yield** | Lodging | Height | Maturity | Protein | Oil | SPD | SPI | STR | **Yield** | Lodging | Height | Maturity | ASH | SPI | STR | **Ave. Yield** |
| | | | | **bu/A** | 1-5 | in | date | % | % | ----------bu/A---------- | | | **bu/A** | 1-5 | in | date | -------bu/A-------- | | | **bu/A** |
| Public | Traill | 0.0 | CN | **38** | 1.6 | 28 | 08-Sep | 38.1 | 18.3 | 35 | 37 | 41 | *** 35** | 1.0 | 26 | 13-Sep | * 46 | 32 | 26 | **37** |
| Public | MN 0301 | 0.3 | CN | **39** | 1.8 | 33 | 11-Sep | 34.4 | 20.4 | 35 | 37 | 45 | *** 35** | 1.3 | 31 | 19-Sep | * 43 | 37 | 26 | **37** |
| Public | MN 0302 | 0.3 | CN | **46** | 1.3 | 31 | 11-Sep | 33.5 | 20.7 | 38 | * 56 | 45 | | | | | | | | |
| Public | Lambert | 0.8 | CN | *** 55** | 1.6 | 33 | 19-Sep | 35.5 | 20.6 | * 53 | * 58 | * 53 | *** 42** | 1.4 | 31 | 24-Sep | * 45 | 38 | * 43 | *** 49** |
| Public | Surge | 0.9 | CN | **51** | 1.5 | 31 | 19-Sep | 36.9 | 19.4 | 44 | * 58 | * 52 | *** 38** | 1.7 | 30 | 29-Sep | 34 | 39 | 40 | *** 45** |
| Public | MN 1301 | 1.3 | CN | *** 53** | 1.4 | 37 | 20-Sep | 37.1 | 18.9 | * 56 | 52 | * 51 | *** 38** | 1.3 | 34 | 27-Sep | 38 | 33 | * 42 | *** 46** |
| Dairyland | DSR-040/RR | 0.4 | RR | **47** | 1.2 | 30 | 15-Sep | 35.3 | 19.6 | 42 | 48 | * 50 | | | | | | | | |
| Dairyland | DSR-130/RR | 1.3 | RR | *** 58** | 1.2 | 33 | 25-Sep | 35.0 | 19.1 | * 58 | * 64 | * 53 | | | | | | | | |
| Dynagro | DG-3094 RR | 0.9 | RR | **48** | 1.0 | 29 | 16-Sep | 35.9 | 19.4 | 38 | * 60 | 45 | | | | | | | | |
| Dynagro | DG-3098 RR | 0.9 | RR | **50** | 1.0 | 30 | 14-Sep | 36.2 | 19.6 | * 53 | 52 | 44 | | | | | | | | |
| Dynagro | DG-3123 RR | 1.2 | RR | *** 52** | 1.1 | 30 | 19-Sep | 34.5 | 20.1 | * 52 | 51 | * 52 | *** 40** | 1.0 | 30 | 26-Sep | 32 | * 41 | * 47 | *** 46** |
| Garst/AgriPro | 0707 RR | 0.7 | RR | *** 56** | 1.2 | 34 | 14-Sep | 33.6 | 20.6 | * 52 | * 62 | * 53 | | | | | | | | |
| Kaltenberg | KB 081 RR | 0.8 | RR | **50** | 1.0 | 32 | 16-Sep | 35.4 | 19.4 | 45 | 54 | * 50 | *** 39** | 1.3 | 35 | 27-Sep | 32 | * 42 | * 43 | *** 45** |
| LaCrosse | LC 800 RR | 0.8 | RR | **47** | 1.1 | 34 | 16-Sep | 35.1 | 19.4 | 47 | 49 | 45 | | | | | | | | |
| NK Brand | S 08-R4 | 0.8 | RR | **48** | 1.1 | 30 | 14-Sep | 35.3 | 18.8 | 45 | 51 | * 49 | *** 38** | 1.0 | 29 | 24-Sep | 38 | 35 | * 42 | **43** |
| NK Brand | S 10-T1 | 1.0 | RR | **47** | 1.0 | 31 | 16-Sep | 35.2 | 18.9 | 45 | 47 | * 50 | *** 42** | 1.0 | 31 | 26-Sep | 39 | * 42 | * 45 | *** 45** |
| Pioneer | 90B51 | 0.5 | RR | **43** | 1.0 | 29 | 12-Sep | 33.9 | 20.5 | 37 | 51 | 40 | | | | | | | | |
| Pioneer | 90B74 | 0.7 | RR | **40** | 1.0 | 30 | 13-Sep | 33.9 | 20.5 | 40 | 45 | 36 | | | | | | | | |
| Pioneer | 91B03 | 1.0 | RR | **46** | 1.0 | 28 | 15-Sep | 36.7 | 19.6 | 42 | 46 | * 50 | | | | | | | | |
| Prairie Brand | PB-0532 RR | 0.5 | RR | **49** | 1.1 | 31 | 13-Sep | 34.9 | 19.8 | 48 | 51 | * 48 | | | | | | | | |
| Prairie Brand | PB-0812 RR | 0.8 | RR | **43** | 1.0 | 30 | 21-Sep | 35.6 | 19.6 | 37 | 46 | 47 | | | | | | | | |
| Stine | S 0846-4 | 0.8 | RR | **47** | 1.0 | 30 | 20-Sep | 36.8 | 19.0 | 49 | 42 | * 51 | | | | | | | | |
| US Seeds | US S1002 RR | 1.0 | RR | **45** | 1.0 | 29 | 21-Sep | 36.7 | 18.7 | 39 | 51 | 46 | | | | | | | | |
| MEAN | | | | **48** | 1.2 | 31 | 16-Sep | 35.5 | 19.6 | 45 | 51 | 48 | **38** | 1.2 | 30 | 23-Sep | 38 | 38 | 37 | **44** |
| LSD(0.10) | | | | **6** | 0.4 | 2 | 3 | | | 8 | 9 | 5 | **7** | 0.4 | 2 | 3 | 4 | 5 | 8 | **5** |

* Yields preceded by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

** Herb. Toler. ; Herbicide Tolerance : RR= Tolerance to "Roundup" herbicide , CN = Conventional herbicide tolerance.

**Results that are shaded provide the best estimate of relative variety performance.**

# TABLE 6. EARLY MATURITY (MG 0.0- 1.4) SOYBEAN WHITE MOLD TEST

**2002 Performance of Public and Commercial Entries In White Mold Disease Field Environment at Marshfield, WI.**

| Originator/Brand | Entry | Maturity Group | Herb. Toler. ** | 2002 Yield | 2002 White Mold *** | 2002 Lodging | 2002 Height | 2001 Yield | 2001 White Mold *** | 2001 Lodging | 2001 Height | 2-Year Yield | 2-Year White Mold *** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | bu/A | % | 1-5 | in | bu/A | % | 1-5 | in | bu/A | % |
| Public | Traill | 0.0 | CN | 51 | 4 | 3.8 | 26 | 46 | 20 | 4.3 | 34 | **49** | **12** |
| Public | MN 0301 | 0.3 | CN | 59 | 16 | 4.8 | 30 | 53 | 28 | 3.3 | 38 | **56** | **22** |
| Public | MN 0302 | 0.3 | CN | 66 | 5 | 2.0 | 33 | | | | | | |
| Public | Surge | 0.9 | CN | * 74 | 16 | 2.8 | 31 | 58 | 45 | 3.3 | 41 | * **66** | **31** |
| Public | MN 1301 | 1.3 | CN | * 72 | 11 | 2.3 | 35 | | | | | | |
| Asgrow | AG1401 | 1.4 | RR | 66 | 10 | 3.0 | 31 | | | | | | |
| Dairyland | DSR-130/RR | 1.3 | RR | * 70 | 24 | 2.8 | 32 | * 64 | 15 | 2.5 | 45 | * **67** | **19** |
| Golden Harvest | X 21244 RR | 1.2 | RR | 54 | 9 | 2.5 | 29 | | | | | | |
| High Cycle | 2141 RR | 1.4 | RR | 68 | 18 | 2.0 | 30 | 59 | 8 | 2.0 | 41 | * **64** | **13** |
| Kruger | K-070 RR | 0.7 | RR | 61 | 1 | 2.0 | 28 | | | | | | |
| Kruger | K-082 RR | 0.8 | RR | 67 | 25 | 2.8 | 28 | | | | | | |
| Kruger | K-088 RR | 0.8 | RR | * 72 | 11 | 1.5 | 27 | | | | | | |
| Kruger | K-090 RR | 0.9 | RR | 57 | 8 | 2.8 | 29 | | | | | | |
| Kruger | K-099+ RR | 0.9 | RR | 61 | 13 | 1.5 | 26 | | | | | | |
| Kruger | K-0991 | 0.9 | CN | * 69 | 18 | 3.5 | 32 | | | | | | |
| Kruger | K-121 RR | 1.2 | RR | 67 | 25 | 1.8 | 32 | | | | | | |
| Kruger | K-1333 | 1.3 | CN | * 72 | 15 | 2.5 | 32 | | | | | | |
| Latham | EX-148 RR | 1.4 | RR | * 74 | 5 | 2.0 | 31 | | | | | | |
| NuTech | NT-0090 RR | 0.1 | RR | 42 | 4 | 2.3 | 26 | | | | | | |
| NuTech | NT-0099 RR | 0.1 | RR | 55 | 9 | 4.3 | 30 | | | | | | |
| NuTech | NT-0202 RR | 0.2 | RR | 49 | 10 | 1.5 | 26 | | | | | | |
| NuTech | NT-0222 RR | 0.2 | RR | 54 | 8 | 1.5 | 27 | | | | | | |
| NuTech | NT-0303 RR | 0.3 | RR | * 75 | 13 | 3.3 | 32 | | | | | | |
| NuTech | NT-0333 RR | 0.3 | RR | 54 | 13 | 2.3 | 27 | | | | | | |
| NuTech | NT-0444 RR | 0.4 | RR | 55 | 10 | 2.5 | 25 | | | | | | |
| NuTech | NT-0555 RR | 0.5 | RR | 59 | 14 | 1.8 | 28 | | | | | | |
| NuTech | NT-0606 RR | 0.6 | RR | 62 | 25 | 2.5 | 30 | | | | | | |
| NuTech | NT-0636 RR | 0.6 | RR | 59 | 15 | 1.8 | 28 | | | | | | |
| NuTech | NT-0707 RR | 0.7 | RR | 62 | 5 | 2.0 | 29 | | | | | | |
| NuTech | NT-0777 RR | 0.7 | RR | * 72 | 8 | 1.3 | 27 | | | | | | |
| NuTech | NT-0818 RR | 0.8 | RR | 65 | 14 | 1.8 | 27 | | | | | | |
| NuTech | NT-0828 RR | 0.8 | RR | 55 | 8 | 3.3 | 27 | | | | | | |
| NuTech | NT-0888 RR | 0.8 | RR | 44 | 14 | 2.0 | 22 | | | | | | |
| NuTech | NT-0990+ RR | 0.9 | RR | 62 | 20 | 1.3 | 26 | | | | | | |
| Pioneer | 90B73 | 0.7 | RR | 67 | 5 | 3.3 | 34 | | | | | | |
| Stine | S 1346-4 | 1.3 | RR | 67 | 9 | 2.0 | 32 | | | | | | |
| MEAN | | | | 62 | 12 | 2.4 | 29 | 57 | 17 | 2.4 | 40 | **60** | **19** |
| LSD(0.10) | | | | 6 | 10 | 0.8 | 3 | 6 | 12 | 0.5 | 4 | **6** | **10** |

* Yields preceded by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

** Herbicide Tolerance : RR= Tolerance to "Roundup" herbicide , CN = Conventional herbicide tolerance.

*** White Mold data is expressed as a percent of diseased plants.

**Results that are shaded provide the best estimate of relative variety performance.**

# TABLE 7. MID MATURITY (MG 1.5-1.9) SOYBEAN WHITE MOLD TEST

**2002 Performance of Public and Commercial Entries In White Mold Disease Field Environment at Hancock, WI.**

| Originator/Brand | Entry | Maturity Group | Herb. Toler. ** | 2002 Yield | 2002 White Mold *** | 2002 Lodging | 2002 Height | 2001 Yield | 2001 White Mold *** | 2001 Lodging | 2001 Height | 2-Year Yield | 2-Year White Mold *** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | bu/A | % | 1-5 | in | bu/A | % | 1-5 | in | bu/A | % |
| Public | IA 1006 | 1.6 | CN | 74 | 0 | 2.8 | 47 | 47 | 49 | 5 | 48 | **61** | **24** |
| Public | IA 1008 | 1.7 | CN | 69 | 0 | 2.3 | 44 | 58 | 25 | 4 | 46 | **64** | **13** |
| Public | MN 1801 | 1.8 | CN | 71 | 0 | 2.8 | 44 | 51 | 35 | 3 | 45 | **61** | **18** |
| Public | HP 204 | 1.9 | CN | 61 | 0 | 3.5 | 46 | | | | | | |
| Asgrow | AG1902 | 1.9 | RR | 81 | 0 | 2.0 | 39 | | | | | | |
| Dairyland | DSR-151/RR | 1.5 | RR | 75 | 0 | 2.0 | 40 | 57 | 10 | 1 | 38 | **66** | **5** |
| Dairyland | DSR-160/STS | 1.6 | STS | 75 | 0 | 3.0 | 41 | 61 | 16 | 2 | 39 | **68** | **8** |
| Dairyland | DSR-199/RR | 1.9 | RR | 76 | 0 | 1.8 | 41 | | | | | | |
| Dekalb | DKB15-51 | 1.5 | RR | 78 | 0 | 1.5 | 37 | | | | | | |
| Dynagro | DG-3183 RR | 1.8 | RR | 74 | 0 | 2.0 | 41 | | | | | | |
| Golden Harvest | H-1535 RR | 1.5 | RR | 80 | 0 | 2.0 | 43 | 64 | 18 | 2 | 44 | * **72** | **9** |
| Golden Harvest | H-1961 RR | 1.9 | RR | * 85 | 0 | 1.5 | 41 | | | | | | |
| Great Lakes | GL 1903 RR | 1.9 | RR | 78 | 0 | 1.8 | 39 | 60 | 19 | 2 | 42 | * **69** | **9** |
| Kruger | K-155 RR | 1.5 | RR | 82 | 0 | 1.8 | 40 | | | | | | |
| Kruger | K-166 RR | 1.6 | RR | 78 | 0 | 1.5 | 37 | | | | | | |
| Kruger | K-191 RR | 1.9 | RR | 82 | 0 | 1.5 | 38 | | | | | | |
| Kruger | K-191+ RR | 1.9 | RR | 80 | 0 | 1.5 | 36 | | | | | | |
| Kruger | K-193 RR | 1.9 | RR | 78 | 0 | 1.3 | 42 | | | | | | |
| Kruger | K-1943 | 1.9 | CN | 79 | 0 | 2.8 | 47 | | | | | | |
| Kruger | K-199 RR | 1.9 | RR | 76 | 0 | 2.5 | 49 | | | | | | |
| Kruger | K-1990 | 1.9 | CN | * 87 | 0 | 2.5 | 44 | | | | | | |
| Kruger | K-1991 | 1.9 | CN | * 90 | 0 | 2.0 | 40 | | | | | | |
| Kruger | K-1996 | 1.9 | CN | 76 | 0 | 2.0 | 45 | | | | | | |
| LaCrosse | LC 1800 RR | 1.8 | RR | 72 | 0 | 3.0 | 43 | | | | | | |
| LaCrosse | LC 1920 | 1.9 | CN | * 84 | 0 | 2.3 | 44 | * 70 | 11 | 2 | 44 | * **77** | **6** |
| Latham | 418 RR Brand | 1.9 | RR | 78 | 0 | 2.0 | 42 | | | | | | |
| NK Brand | S 19-90 | 1.9 | CN | 73 | 0 | 2.0 | 44 | 61 | 18 | 2 | 44 | **67** | **9** |
| NK Brand | S 19-V2 | 1.9 | RR | 81 | 0 | 1.3 | 39 | * 66 | 6 | 1 | 38 | * **74** | **3** |
| Pioneer | 91B52 | 1.5 | RR | 73 | 0 | 2.3 | 36 | | | | | | |
| Pioneer | 91B53 | 1.6 | CN | 79 | 0 | 2.0 | 42 | 64 | 9 | 2 | 40 | * **72** | **4** |
| Pioneer | 91B64 | 1.6 | RR | 71 | 0 | 2.5 | 41 | 59 | 21 | 3 | 44 | **65** | **11** |
| Pioneer | 91B92 | 1.9 | CN | 80 | 0 | 2.0 | 39 | * 66 | 7 | 2 | 42 | * **73** | **4** |
| Stine | S 1586-4 | 1.5 | RR | 76 | 0 | 2.0 | 36 | | | | | | |
| Stine | S 1613-4 | 1.6 | RR | 78 | 0 | 2.0 | 40 | | | | | | |
| Stine | S 1918-4 | 1.9 | RR | 83 | 0 | 1.3 | 40 | | | | | | |
| MEAN | | | | 78 | 0 | 2.1 | 41 | 60 | 21 | 2.0 | 42 | **68** | **9** |
| LSD(0.10) | | | | 6 | | 0.5 | 3 | 6 | 13 | 0.6 | 2 | **8** | **17** |

* Yields preceded by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

** Herbicide Tolerance : RR= Tolerance to "Roundup" herbicide , STS = Tolerance to Sulfonylurea herbicides, CN = Conventional herbicide tolerance.

*** White Mold data is expressed as a percent of diseased plants.

**Results that are shaded provide the best estimate of relative variety performance.**

# TABLE 8. LATE MATURITY (MG 2.0-2.9) SOYBEAN WHITE MOLD TEST

**2002 Performance of Public and Commercial Entries In White Mold Disease Field Environment at Hancock, WI.**

| | | Matur- | Herb. | 2002 | | | | 2001 | | | | 2-Year | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ity | Toler. | Yield | White | Lodging | Height | Yield | White | Lodging | Height | Yield | White |
| Originator/Brand | Entry | Group | ** | | Mold *** | | | | Mold *** | | | | Mold *** |
| | | | | bu/A | % | 1-5 | in | bu/A | % | 1-5 | in | bu/A | % |
| Public | Sturdy | 2.0 | CN | 74 | 0 | 2.8 | 46 | 47 | 89 | 4.8 | 44 | **61** | **44** |
| Public | Vinton 81 | 2.0 | CN | 64 | 0 | 3.3 | 46 | | | | | | |
| Public | IA 2008 R | 2.1 | CN | 69 | 0 | 2.5 | 48 | | | | | | |
| Public | Titan | 2.1 | CN | 77 | 0 | 2.3 | 37 | 62 | 21 | 2.3 | 38 | * **70** | **11** |
| Public | Conrad 94 | 2.5 | CN | * 80 | 0 | 2.3 | 44 | 47 | 54 | 2.3 | 42 | * **64** | **27** |
| Public | Loda | 2.5 | CN | 65 | 0 | 2.3 | 38 | 63 | 30 | 2.8 | 43 | * **64** | **15** |
| Public | Dwight | 2.9 | CN | 79 | 0 | 2.5 | 46 | 53 | 51 | 3.3 | 42 | * **66** | **26** |
| Brunner | BR-2101 RR | 2.1 | RR | 74 | 0 | 1.0 | 37 | | | | | | |
| Brunner | BR-2401 RR | 2.4 | RR | * 80 | 0 | 2.3 | 45 | | | | | | |
| Crow's | C 2130 R | 2.1 | RR | 79 | 0 | 1.3 | 37 | | | | | | |
| Dairyland | DSR-218 | 2.2 | CN | * 81 | 0 | 1.8 | 43 | 61 | 33 | 2.5 | 49 | * **71** | **16** |
| Dairyland | DSR-221/RR | 2.2 | RR | * 82 | 0 | 1.8 | 43 | 58 | 26 | 1.8 | 42 | * **70** | **13** |
| Dynagro | DG-3200 RR | 2.0 | RR | * 82 | 0 | 1.5 | 41 | | | | | | |
| Dynagro | DG-3218 RR | 2.1 | RR | 78 | 0 | 2.0 | 44 | | | | | | |
| Dynagro | DG-3223 RR | 2.2 | RR | 78 | 0 | 2.0 | 44 | 58 | 53 | 2.0 | 42 | * **68** | **26** |
| Dynagro | DG-3242 RR | 2.4 | RR | 74 | 0 | 1.8 | 42 | | | | | | |
| Golden Harvest | H-2124 RR | 2.1 | RR | 79 | 0 | 2.3 | 45 | 61 | 40 | 2.0 | 44 | * **70** | **20** |
| Golden Harvest | H-2151 RR | 2.1 | RR | 76 | 0 | 2.5 | 44 | 52 | 36 | 2.3 | 42 | * **64** | **18** |
| Golden Harvest | H-2453 RR | 2.4 | RR | * 81 | 0 | 1.8 | 43 | 57 | 40 | 2.5 | 39 | * **69** | **20** |
| Golden Harvest | H-2503 RR | 2.5 | RR | * 82 | 0 | 2.0 | 45 | | | | | | |
| Golden Harvest | H-2659 RR | 2.6 | RR | * 81 | 0 | 2.0 | 49 | 55 | 48 | 2.3 | 47 | * **68** | **24** |
| Great Lakes | GL 2301 RR | 2.3 | RR | * 81 | 0 | 2.0 | 41 | | | | | | |
| High Cycle | 2201 RR | 2.0 | RR | * 80 | 0 | 2.0 | 40 | 57 | 26 | 2.0 | 42 | * **69** | **13** |
| Kruger | K-202 RR/SCN | 2.0 | RR | 72 | 0 | 1.8 | 41 | | | | | | |
| Kruger | K-211 RR | 2.1 | RR | * 81 | 0 | 1.5 | 41 | | | | | | |
| Kruger | K-2121 | 2.1 | CN | * 87 | 0 | 2.0 | 42 | | | | | | |
| Kruger | K-221 RR/SCN | 2.2 | RR | 72 | 0 | 2.5 | 45 | | | | | | |
| Kruger | K-222+ RR | 2.2 | RR | 75 | 0 | 2.3 | 45 | | | | | | |
| Kruger | K-2220+ SCN | 2.2 | CN | * 81 | 0 | 2.0 | 39 | | | | | | |
| Kruger | K-223 RR | 2.2 | RR | * 84 | 0 | 1.8 | 38 | | | | | | |
| Kruger | K-232 RR | 2.3 | RR | * 85 | 0 | 1.8 | 39 | | | | | | |
| Kruger | K-233 RR | 2.3 | RR | 77 | 0 | 1.8 | 42 | | | | | | |
| Latham | EX-678 RR | 2.5 | RR | * 88 | 0 | 2.0 | 43 | | | | | | |
| Mark | MRK RR 0121 | 2.1 | RR | 79 | 0 | 2.0 | 43 | | | | | | |
| Mark | MRK RR 0226 | 2.6 | RR | * 80 | 0 | 1.5 | 46 | | | | | | |
| Midwest | GR 2037 | 2.0 | RR | 78 | 0 | 1.0 | 38 | | | | | | |
| Midwest | GR 2255 | 2.2 | RR | * 82 | 0 | 1.8 | 43 | | | | | | |
| Pioneer | 92B13 | 2.1 | RR | * 80 | 0 | 1.8 | 42 | | | | | | |
| Stine | S 2123-4 | 2.1 | RR | 78 | 0 | 1.0 | 37 | | | | | | |
| MEAN | | | | 78 | 0 | 1.9 | 42 | 56 | 40 | 2.3 | 43 | 67 | 21 |
| LSD(0.10) | | | | 8 | | 0.5 | 3 | 5 | 17 | 0.8 | 3 | 7 | |

* Yields preceded by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

** Herbicide Tolerance : RR = Tolerance to "Roundup" herbicide , CN = Conventional herbicide tolerance.

*** White Mold data is expressed as a percent of diseased plants.

**Results that are shaded provide the best estimate of relative variety performance.**

# TABLE 9. EARLY MATURITY (MG 0.0-1.4) SOYBEAN BSR TEST

**2002 Performance of Public and Commercial Entries In BSR Disease Field Environment at Arlington, WI.**

| Originator/Brand | Entry | Matur-ity Group | Herb. Toler. ** | Disease Reaction *** | 2002 Yield | 2002 BSR Stem | 2002 BSR Foliar | 2002 Lodging | 2002 Height | 2001 Yield | 2001 BSR Stem | 2001 Lodging | 2001 Height | 2-Year Yield | 2-Year BSR Stem |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | bu/A | % | % | 1-5 | in | bu/A | % | 1-5 | in | bu/A | % |
| Public | Traill | 0.0 | CN | S | 31 | 4 | 26 | 3.8 | 23 | 29 | 22 | 2.1 | 25 | **30** | **13** |
| Public | MN 0301 | 0.3 | CN | S | 30 | 2 | 30 | 3.8 | 29 | 33 | 21 | 1.5 | 23 | **32** | **12** |
| Public | MN 0302 | 0.3 | CN | R | 41 | 2 | 9 | 2.0 | 32 | | | | | | |
| Public | Surge | 0.9 | CN | S | * 50 | 6 | 8 | 1.0 | 31 | * 49 | 20 | 1.5 | 30 | * **50** | **13** |
| Public | MN 1301 | 1.3 | CN | S | * 48 | 5 | 6 | 2.0 | 34 | * 50 | 22 | 2.3 | 39 | * **49** | **14** |
| Dairyland | DSR-040/RR | 0.4 | RR | R | * 49 | 3 | 3 | 1.8 | 30 | | | | | | |
| Dairyland | DSR-101/RR | 1.1 | RR | R | * 51 | 5 | 2 | 1.3 | 32 | * 53 | 2 | 1.3 | 34 | * **52** | **3** |
| MEAN | | | | | 43 | 4 | 12 | 2.2 | 30 | 46 | 11 | 1.8 | 31 | **43** | **11** |
| LSD(0.10) | | | | | 4 | 4 | 11 | 0.7 | 2 | 5 | 11 | 0.7 | 3 | **5** | **8** |

* Yields preceded by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

** Herb. Toler. ; Herbicide Tolerance : RR = Tolerance to "Roundup" herbicide, CN = Conventional herbicide tolerance.

*** Disease Reaction: R= Resistant, M= Moderate, S= Susceptible

**Results that are shaded provide the best estimate of relative variety performance.**

# TABLE 10. MID MATURITY (MG 1.5-1.9) SOYBEAN BSR TEST

**2002 Performance of Public and Commercial Entries In BSR Disease Field Environment at Arlington, WI.**

| Originator/Brand | Entry | Matur-ity Group | Herb. Toler. ** | Disease Reaction *** | 2002 Yield | 2002 BSR Stem | 2002 BSR Foliar | 2002 Lodging | 2002 Height | 2001 Yield | 2001 BSR Stem | 2001 Lodging | 2001 Height | 2-Year Yield | 2-Year BSR Stem |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | bu/A | % | % | 1-5 | in | bu/A | % | 1-5 | in | bu/A | % |
| Public | Parker | 1.5 | CN | S | 44 | 40 | 30 | 4.0 | 35 | | | | | | |
| Public | IA 1006 | 1.6 | CN | R | 51 | 2 | 4 | 2.0 | 36 | * 59 | 13 | 3.3 | 37 | * **55** | **7** |
| Public | IA 1008 | 1.7 | CN | R | 41 | 17 | 3 | 2.0 | 35 | * 59 | 49 | 2.5 | 37 | **50** | **33** |
| Public | Granite | 1.8 | CN | R | 46 | 6 | 7 | 1.5 | 31 | | | | | | |
| Public | MN 1801 | 1.8 | CN | M | 44 | 15 | 8 | 1.8 | 32 | 53 | 70 | 2.5 | 36 | **49** | **43** |
| Public | Bell | 1.9 | CN | R | 48 | 9 | 1 | 2.3 | 33 | 53 | 24 | 2.8 | 35 | **51** | **17** |
| Public | BSR 101 | 1.9 | CN | R | 49 | 3 | 2 | 2.3 | 33 | * 58 | 3 | 2.0 | 35 | **54** | **3** |
| Public | Hardin 91 | 1.9 | CN | S | 47 | 12 | 56 | 3.3 | 38 | | | | | | |
| Public | HP 204 | 1.9 | CN | M | 41 | 23 | 21 | 3.3 | 36 | | | | | | |
| Asgrow | AG1902 | 1.9 | RR | R | 49 | 1 | 0 | 1.0 | 28 | | | | | | |
| Dairyland | DSR-181/RR | 1.8 | RR | R | 53 | 0 | 2 | 1.0 | 33 | * 59 | 12 | 2.3 | 36 | * **56** | **6** |
| Dairyland | DSR-199/RR | 1.9 | RR | R | * 57 | 2 | 2 | 1.0 | 33 | | | | | | |
| Golden Harvest | H-1755 RR | 1.7 | RR | R | * 58 | 3 | 1 | 1.0 | 28 | * 62 | 2 | 1.8 | 32 | * **60** | **3** |
| Golden Harvest | H-1961 RR | 1.9 | RR | R | * 61 | 11 | 0 | 1.0 | 30 | | | | | | |
| Pioneer | 91B64 | 1.6 | RR | M | 49 | 28 | 7 | 1.5 | 30 | | | | | | |
| Stine | S 1613-4 | 1.6 | RR | M | 53 | 43 | 1 | 1.0 | 26 | | | | | | |
| Stine | S 1918-4 | 1.9 | RR | R | * 59 | 16 | 1 | 1.0 | 28 | | | | | | |
| MEAN | | | | | 50 | 14 | 9 | 1.8 | 32 | 57 | 20 | 2.0 | 33 | 54 | 16 |
| LSD(0.10) | | | | | 6 | 18 | 10 | 0.4 | 2 | 5 | 19 | 0.7 | 3 | 5 | 14 |

* Yields preceded by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

** Herb. Toler. ; Herbicide Tolerance : RR = Tolerance to "Roundup" herbicide, CN = Conventional herbicide tolerance.

*** Disease Reaction: R= Resistant, M= Moderate, S= Susceptible

**Results that are shaded provide the best estimate of relative variety performance.**

# TABLE 11. LATE MATURITY (MG 1.9-2.9) SOYBEAN BSR TEST

**2002 Performance of Public and Commercial Entries In BSR Disease Field Environment at Arlington, WI.**

| Originator/Brand | Entry | Maturity Group | Herb. Toler. ** | Disease Reaction *** | 2002 Yield | 2002 BSR Stem | 2002 BSR Foliar | 2002 Lodging | 2002 Height | 2001 Yield | 2001 BSR Stem | 2001 Lodging | 2001 Height | 2-Year Yield | 2-Year BSR Stem |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | bu/A | % | % | 1-5 | in | bu/A | % | 1-5 | in | bu/A | % |
| Public | Sturdy | 2.0 | CN | S | * 56 | 21 | 31 | 2.3 | 33 | | | | | | |
| Public | Vinton 81 | 2.0 | CN | S | 41 | 25 | 28 | 3.5 | 39 | | | | | | |
| Public | Corsoy 79 | 2.1 | CN | S | 39 | 56 | 66 | 4.0 | 41 | 42 | 30 | 4.3 | 38 | **41** | **43** |
| Public | IA 2008 R | 2.1 | CN | R | 54 | 2 | 2 | 2.0 | 39 | | | | | | |
| Public | Titan | 2.1 | CN | S | 52 | 14 | 8 | 1.8 | 28 | 49 | 37 | 2.5 | 33 | **51** | **26** |
| Public | Conrad 94 | 2.5 | CN | M | 52 | 15 | 0 | 1.5 | 30 | 56 | 28 | 2.5 | 34 | **54** | **21** |
| Public | Loda | 2.5 | CN | R | 39 | 14 | 3 | 1.0 | 31 | 52 | 13 | 1.8 | 30 | **46** | **14** |
| Public | Dwight | 2.9 | CN | R | * 57 | 2 | 1 | 1.8 | 33 | 59 | 4 | 2.5 | 34 | * **58** | **3** |
| Brunner | BR-2101 RR | 2.1 | RR | R | 53 | 16 | 0 | 1.0 | 27 | | | | | | |
| Brunner | BR-2401 RR | 2.4 | RR | R | * 56 | 6 | 0 | 1.3 | 32 | | | | | | |
| Dairyland | DSR-218 | 2.2 | CN | R | * 55 | 3 | 0 | 1.0 | 32 | * 60 | 2 | 1.0 | 37 | * **58** | **3** |
| Dairyland | DSR-221/RR | 2.2 | RR | R | * 61 | 2 | 25 | 1.0 | 32 | * 63 | 2 | 1.3 | 35 | * **62** | **2** |
| Dairyland | DSR-228/RR | 2.3 | RR | R | * 58 | 8 | 0 | 1.5 | 32 | * 64 | 13 | 2.0 | 36 | * **61** | **11** |
| Dairyland | DSR-251/RR | 2.5 | RR | R | * 58 | 18 | 0 | 1.0 | 32 | * 61 | 13 | 2.0 | 36 | * **60** | **16** |
| Dynagro | DG-3200 RR | 2.0 | RR | R | * 57 | 8 | 0 | 1.0 | 27 | | | | | | |
| Dynagro | DG-3218 RR | 2.1 | RR | R | * 61 | 2 | 1 | 1.0 | 33 | | | | | | |
| Dynagro | DG-3223 RR | 2.2 | RR | R | * 58 | 2 | 0 | 1.5 | 32 | | | | | | |
| Golden Harvest | H-2124 RR | 2.1 | RR | R | * 61 | 2 | 2 | 1.0 | 33 | * 60 | 2 | 1.5 | 34 | * **61** | **2** |
| Golden Harvest | H-2453 RR | 2.4 | RR | R | * 58 | 5 | 0 | 1.0 | 28 | 56 | 16 | 2.3 | 33 | * **57** | **10** |
| Golden Harvest | H-2503 RR | 2.5 | RR | R | 52 | 7 | 0 | 1.0 | 29 | | | | | | |
| Golden Harvest | H-2659 RR | 2.6 | RR | R | * 62 | 2 | 1 | 1.3 | 34 | 58 | 1 | 2.0 | 38 | * **60** | **2** |
| Pioneer | 92B13 | 2.1 | RR | R | * 59 | 26 | 0 | 1.0 | 30 | | | | | | |
| Pioneer | 92B47 | 2.4 | RR | R | * 57 | 2 | 0 | 1.0 | 29 | | | | | | |
| Stine | S 2123-4 | 2.1 | RR | R | * 57 | 5 | 1 | 1.0 | 28 | | | | | | |
| MEAN | | | | | 55 | 11 | 7 | 1.5 | 32 | 56 | 11 | 1.8 | 35 | 56 | 13 |
| LSD(0.10) | | | | | 7 | 15 | 14 | 0.5 | 3 | 4 | 11 | 0.7 | 3 | 6 | 11 |

* Yields preceded by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

** Herb. Toler. ; Herbicide Tolerance : RR = Tolerance to "Roundup" herbicide, CN = Conventional herbicide tolerance.

*** Disease Reaction: R= Resistant, M= Moderate, S= Susceptible

**Results that are shaded provide the best estimate of relative variety performance.**

# TABLE 12. SOYBEAN CYST NEMATODE TEST

**2002 Performance of Public and Commercial Entries In SCN Disease Field Environment at Hancock, WI.**

| Originator/Brand | Entry | Matur-ity Group | Herb. Toler. ** | 2002 Yield | 2002 Lodging | 2002 Height | 2002 Egg Counts *** Spring (i) | 2002 Egg Counts *** Fall (f) | 2002 Pf/Pi **** | 2001 Yield | 2001 Lodging | 2001 Height | 2001 Egg Counts *** Spring (i) | 2001 Egg Counts *** Fall (f) | 2001 Pf/Pi **** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | bu/A | 1-5 | in | | | | bu/A | 1-5 | in | | | |
| Public | Parker | 1.5 | CN | 33 | 2.3 | 29 | 717 | 18833 | 28 | | | | | | |
| Public | IA 1008 | 1.7 | CN | * 51 | 2.3 | 35 | 750 | 2467 | 6 | 42 | 1.0 | 33 | 3250 | 2388 | 1 |
| Public | MN 1801 | 1.8 | CN | 32 | 1.3 | 30 | 575 | 24167 | 42 | 27 | 1.0 | 26 | 3088 | 19100 | 10 |
| Public | Bell | 1.9 | CN | 45 | 3.0 | 32 | 317 | 2017 | 11 | 42 | 1.0 | 29 | 2800 | 1313 | 1 |
| Public | Loda | 2.5 | CN | 39 | 1.0 | 27 | 475 | 1167 | 3 | 43 | 1.0 | 29 | 3062 | 1050 | 2 |
| Public | Conrad 94 | 2.5 | CN | 32 | 1.0 | 28 | 350 | 37167 | 154 | 29 | 1.0 | 28 | 3075 | 22775 | 19 |
| Public | Dwight | 2.9 | CN | * 55 | 1.0 | 30 | 525 | 1867 | 6 | | | | | | |
| Public | IA 2008 R | 2.1 | CN | 36 | 1.0 | 30 | 517 | 29700 | 130 | | | | | | |
| Asgrow | AG1902 | 1.9 | RR | 45 | 1.0 | 26 | 333 | 6300 | 23 | | | | | | |
| Dairyland | DSR-191/RR | 1.9 | RR | 41 | 1.0 | 29 | 1350 | 4533 | 11 | | | | | | |
| Dekalb | DKB17-51 | 1.7 | RR | 40 | 1.0 | 25 | 583 | 1333 | 4 | | | | | | |
| Dynagro | DG 3199 N RR | 1.9 | RR | * 48 | 1.0 | 28 | 1000 | 1633 | 5 | | | | | | |
| Dynagro | DG-3216 N RR | 2.1 | RR | * 47 | 1.0 | 28 | 383 | 3267 | 17 | | | | | | |
| Dynagro | DG-3221 N RR | 2.2 | RR | * 51 | 1.0 | 29 | 358 | 2233 | 10 | | | | | | |
| Great Lakes | GL 2109 RR | 2.1 | RR | 45 | 1.0 | 29 | 475 | 1633 | 6 | 43 | 1.0 | 28 | 3113 | 2350 | 1 |
| Great Lakes | GL 2419 RR | 2.4 | RR | * 53 | 1.0 | 27 | 600 | 3733 | 11 | 36 | 1.0 | 24 | 2150 | 3563 | 6 |
| Mark | MRK RR 0023 CTA | 2.3 | RR | 41 | 1.0 | 25 | 342 | 21767 | 60 | | | | | | |
| Mark | MRK 0224 CTA | 2.4 | CN | 43 | 1.0 | 31 | 524 | 13059 | 43 | | | | | | |
| Mark | MRK RR 0125 CTB | 2.5 | RR | * 48 | 1.3 | 33 | 300 | 1067 | 4 | | | | | | |
| NK Brand | S 18-N5 | 1.8 | CN | * 53 | 1.0 | 30 | 383 | 1283 | 8 | | | | | | |
| NK Brand | S 26-H2 | 2.6 | RR | 42 | 2.0 | 34 | 725 | 3033 | 14 | | | | | | |
| O'Brien | O'Soy 191 N RR | 1.9 | RR | * 51 | 2.7 | 34 | 825 | 2217 | 4 | | | | | | |
| Pioneer | 92B12 | 2.1 | CN | * 52 | 1.0 | 26 | 233 | 683 | 4 | * 49 | 1.0 | 27 | 4400 | 450 | 0 |
| Pioneer | 92B14 | 2.1 | RR | * 47 | 1.0 | 27 | 642 | 1433 | 6 | | | | | | |
| Pioneer | 92B37 | 2.3 | CN | * 48 | 2.3 | 35 | 608 | 4567 | 9 | * 44 | 1.0 | 32 | 2725 | 2413 | 2 |
| Stine | S 1962-4 | 1.9 | RR | 45 | 1.0 | 28 | 817 | 2433 | 3 | | | | | | |
| Stine | S 2342-4 | 2.3 | RR | * 47 | 1.0 | 28 | 392 | 2800 | 27 | | | | | | |
| MEAN | | | | 45 | 1.3 | 29 | 559 | 7274 | 24 | 39 | 1.0 | 28 | 3293 | 6114 | 4 |
| LSD(0.10) | | | | 9 | 0.5 | 3 | ns | 6991 | 42 | 5 | ns | 3 | 2357 | 5686 | 7 |

* Yields preceded by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

** Herb. Toler. ; Herbicide Tolerance : RR = Tolerance to "Roundup" herbicide, CN = Conventional herbicide tolerance.

*** Average number of eggs in one hundred cubic centimeters of soil utilizing the replications.

**** Reproductive factor = final egg population (fall) / initial egg population (spring) based on the individual plot data.

# TABLE 13. CHARACTERISTICS OF PUBLIC SOYBEAN VARIETIES

| Originator | Entry | Maturity Group | Herb. / 1 Toler. | Performance Shown in Tables | Re-leased | Color/2 | | | | Seed /3 Luster | PRR Genes /4 | PVP/5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Flower | Hair | Pod | Hilum | | | |
| Illinois | Bell | 1.9 | CN | 10, 12 | 1989 | P | TW | T | B | S | None | Yes |
| Illinois | Corsoy 79 | 2.1 | CN | 11 | 1979 | P | G | BR | Y | D | Rps 1-c | No |
| Illinois | Loda | 2.5 | CN | 2, 8, 11, 12 | 2000 | P | G | BR | G | D | None | No |
| Illinois | Dwight | 2.9 | CN | 8, 11, 12 | 1998 | P | TW | BR | B | D | Rps 1-a | No |
| Iowa | IA 1006 | 1.6 | CN | 2, 3, 4, 7, 10 | 1996 | W | T | BR | B | D | None | Yes |
| Iowa | IA 1008 | 1.7 | CN | 7, 10, 12 | 1999 | W | G | T | Y | D | None | No |
| Iowa | BSR 101 | 1.9 | CN | 10 | 1985 | P | G | T | IB | D | Rps 1-a | No |
| Iowa | Hardin 91 | 1.9 | CN | 2, 3, 4, 10 | 1992 | P | G | BR | Y | D | Rps 1-k | Yes |
| Iowa | HP 204 | 1.9 | CN | 2, 3, 4, 7, 10 | 1996 | P | G | T | Y | D | None | No |
| Iowa | Vinton 81 | 2.0 | CN | 2, 3, 4, 8, 11 | 1981 | P | G | T | Y | D | Rps 1, 3, 6, 9 | No |
| Iowa | IA 2008 R | 2.1 | CN | 2, 3, 4, 8, 11, 12 | 1996 | W | G | T | BF | D | Rps 1-k | Yes |
| Michigan | Titan | 2.1 | CN | 2, 3, 8, 11 | 1998 | P | TW | BR | B | I | None | No |
| Michigan | Conrad 94 | 2.5 | CN | 8, 11, 12 | 1994 | P | TW | T | BR | D | Rps 1-k, 6 | No |
| Minnesota | MN 0301 | 0.3 | CN | 4, 5, 6, 9 | 1997 | P | G | BR | Y | D | Rps 1-a | Yes |
| Minnesota | MN 0302 | 0.3 | CN | 3, 4, 5, 6, 9 | 2001 | P | G | T | BF | D | Rps1-k | Yes |
| Minnesota | Lambert | 0.8 | CN | 3, 4, 5 | 1992 | P | G | BR | BF | S | Rps 1-a | Yes |
| Minnesota | MN 1301 | 1.3 | CN | 3, 4, 5, 6, 9 | 1997 | W | G | BR | Y | D | Rps 1-c | Yes |
| Minnesota | Parker | 1.5 | CN | 10, 12 | 1992 | W | G | BR | BF | D | Rps 1-a | Yes |
| Minnesota | Granite | 1.8 | CN | 10 | 1995 | P | G | BR | G | D | Rps 1-a | Yes |
| Minnesota | MN 1801 | 1.8 | CN | 2, 3, 7, 10, 12 | 1999 | P | G | BR | BF | D | Rps 1-c | Yes |
| Minnesota | Sturdy | 2.0 | CN | 8, 11 | 1989 | P | G | BR | IB | S | Rps 1-a | Yes |
| North Dakota | Daksoy | 0.0 | CN | 5, 6, 9 | 1998 | P | G | BR | Y | D | None | Yes |
| North Dakota | Traill | 0.0 | CN | 5, 6, 9 | 1997 | P | TW | BR | Y | I | None | Yes |
| South Dakota | Surge | 0.9 | CN | 4, 5, 6, 9 | 1997 | P | G | BR | IB | D | Rps 1 | Yes |

All characteristics information is provided by the originator.
1/ Herb. Toler.= Herbicide Tolerance: CN= Conventional herbicide tolerance.
2/ B= Black, BF = Buff, BR= Brown, G= Gray, IB= Imperfect Black, LTW= Light Tawny, M= Mixed, P= Purple, T= Tan, TW= Tawny, W= White Y= Yellow
3/ D= Dull, M=Mixed, S= Shiny, I= Intermediate.
4/ PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races listed in Introduction.
5/ PVP= Application for Plant Variety Protection has been made and/or received.

# TABLE 14. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 1 of 9)

| Originator /Brand | Entry | Maturity Group | Herb. / 1 Toler. | Performance Shown in Tables | Re-leased | Color/2 | | | | Seed /3 Luster | PRR Genes /4 | PVP /5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Flower | Hair | Pod | Hilum | | | |
| Adler | 245 RR | 2.4 | RR | 2 | | | | | | | Rps 1-k | |
| Asgrow | AG0801 | 0.8 | RR | 4 | 2000 | P | TW | BR | B | | Rps 1-k | |
| Asgrow | AG1401 | 1.4 | RR | 3, 4, 6 | 2002 | P | TW | BR | B | | Rps 1-k | |
| Asgrow | AG1602 | 1.6 | RR | 3 | 2001 | P | TW | BR | B | | Rps 1-k | |
| Asgrow | AG1902 | 1.9 | RR | 1, 2, 7, 10, 12 | 2002 | P | TW | T | B | | Rps 1-k | |
| Asgrow | AG2105 | 2.1 | RR | 2 | 2002 | W | LTW | T | BR | | Rps 1-k | |
| Asgrow | AG2402 | 2.4 | RR | 2 | 2001 | P | TW | T | B | | Rps 1-k | |
| Asgrow | AG2703 | 2.7 | RR | 2 | 2001 | P | G | BR | IB | | Rps 1-k | |
| Bio Gene | 1240 RR | 1.2 | RR | 4 | 2002 | P | LTW | BR | G | I | Rps 1-c | |
| Bio Gene | 1500 RR | 1.5 | RR | 3 | 2002 | W | LTW | T | BR | I | | |
| Bio Gene | 1700 RR | 1.7 | RR | 3 | 2001 | P | LTW | BR | BR | I | Rps 1-k | |
| Brunner | BR-0799 RR | 0.7 | RR | 4 | 1999 | P | M | BR | BR | M | Rps 1-k | Yes |
| Brunner | BR-1500 RR | 1.5 | RR | 4 | 2000 | P | M | BR | B | M | Rps 1-k | Yes |
| Brunner | BR-2101 RR | 2.1 | RR | 3, 8, 11 | 2001 | P | M | T | B | M | Rps 1-k | Yes |
| Brunner | BR-2401 RR | 2.4 | RR | 2, 8, 11 | 2001 | W | LTW | T | B | S | Rps 1-k | Yes |
| Croplan | RT 1521 | 1.5 | RR | 3 | 2001 | P | LTW | T | BL | | | |
| Croplan | RT 1744 | 1.7 | RR | 3 | | | | | | | | |
| Crow's | C 2130 R | 2.1 | RR | 2, 8 | 2002 | W | TW | T | T | I | None | |
| Crow's | C 2435 R | 2.4 | RR | 2 | 2002 | W | TW | T | B | I | Rps 1-k | Yes |
| Dahlco | DS 9042 RR | 0.4 | RR | 4 | 2001 | P | G | T | Y | S | Rps 1-k | |
| Dahlco | DS 9051 RR | 0.5 | RR | 4 | 1999 | P | TW | T | B | S | None | |
| Dahlco | DS 9083 | 0.8 | RR | 4 | 2000 | P | TW | BR | B | S | Rps 1-k | |
| Dahlco | DS 9084 RR | 0.8 | RR | 4 | 2001 | P | TW | BR | BR | S | Rps 1-k | |
| Dahlco | DS 9130 RR | 1.3 | RR | 4 | 2001 | P | TW | BR | B | S | None | |
| Dahlco | DS 9147 RRC | 1.4 | RR | 4 | 2001 | P | TW | BR | BR | S | Rps 1-a | |
| Dahlco | X-2140 RR | 1.4 | RR | 3, 4 | 2002 | P | LTW | T | BR | S | None | |
| Dahlco | X-2150 RR | 1.5 | RR | 3 | 2002 | W | LTW | T | BR | S | None | |
| Dahlco | 9160 RR | 1.6 | RR | 3 | 1999 | P | G | T | BR | S | Rps 1-c | No |
| Dahlco | 9171 RR | 1.7 | RR | 3 | 2000 | P | G | BR | IB | S | None | No |
| Dahlco | 9201 RR | 2.0 | RR | 2, 3 | 2000 | P | TW | T | B | S | None | |
| Dahlco | DS 9212 RR | 2.1 | RR | 2 | 2001 | M | LTW | BR | B | S | None | |
| Dahlco | DS 9213 RR | 2.1 | RR | 2 | 2001 | W | LTW | T | BR | S | Rps 1-k | |
| Dairyland | DSR-040/RR | 0.4 | RR | 5, 9 | 2003 | | | | | | None | |
| Dairyland | DSR-101/RR | 1.1 | RR | 9 | | W | TW | T | B | | None | Yes |
| Dairyland | DSR-130/RR | 1.3 | RR | 4, 5, 6 | | M | TW | T | B | | None | Yes |
| Dairyland | DSR-151/RR | 1.5 | RR | 4, 7 | | P | TW | T | BR | | None | Yes |
| Dairyland | DST 1226/RR | 1.5 | RR | 4 | | | | | | | Rps 1-k | |

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# TABLE 14. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 2 of 9)

| Originator /Brand | Entry | Maturity Group | Herb. / 1 Toler. | Performance Shown in Tables | Re-leased | Color/2 | | | | Seed /3 Luster | PRR Genes /4 | PVP /5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Flower | Hair | Pod | Hilum | | | |
| Dairyland | DSR-160/STS | 1.6 | STS | 4, 7 | | W | LTW | BR | B | | None | Yes |
| Dairyland | DSR-181/RR | 1.8 | RR | 4, 10 | | M | LTW | BR | B | | None | Yes |
| Dairyland | DSR-184/RR | 1.8 | RR | 3, 4 | 2003 | | | | | | Rps 1-k | |
| Dairyland | DSR-191/RR | 1.9 | RR | 12 | 2003 | | | | | | None | |
| Dairyland | DSR-199/RR | 1.9 | RR | 2, 3, 7, 10 | | W | LTW | BR | B | | None | No |
| Dairyland | DSR-218 | 2.2 | CN | 2, 3, 8, 11 | | P | G | BR | G | | None | Yes |
| Dairyland | DSR-221/RR | 2.2 | RR | 2, 3, 8, 11 | | M | LTW | BR | B | | None | Yes |
| Dairyland | DSR-228/RR | 2.3 | RR | 2, 11 | | M | LTW | T | B | | None | Yes |
| Dairyland | DSR-251/RR | 2.5 | RR | 2, 11 | | P | TW | M | BR | | None | No |
| Dekalb | DKB09-52 | 0.9 | RR | 4 | 2002 | P | TW | T | BR | | Rps 1-k | |
| Dekalb | DKB10-51 | 1.0 | RR | 4 | 2001 | P | TW | T | B | | Rps 1-c | |
| Dekalb | DKB15-51 | 1.5 | RR | 3, 4, 7 | 2002 | W | TW | T | BR | | None | |
| Dekalb | DKB17-51 | 1.7 | RR | 12 | 2002 | P | G | T | IB | | None | |
| Dekalb | DKB22-51 | 2.2 | RR | 2 | 2002 | P | TW | T | B | | None | |
| Dekalb | DKB23-51 | 2.3 | RR | 2 | 2001 | P | LTW | T | B | | Rps 1-a | |
| Dekalb | DKB26-51 | 2.6 | RR | 2 | 2001 | P | TW | BR | B | | Rps 1-k | |
| Dynagro | DG-3094 RR | 0.9 | RR | 5 | 2003 | P | T | T | BR | | Rps 1-a | |
| Dynagro | DG-3098 RR | 0.9 | RR | 5 | 2001 | W | T | T | BR | | None | |
| Dynagro | DG-3123 RR | 1.2 | RR | 4, 5 | 2002 | P | T | BR | B | | Rps 1-k | No |
| Dynagro | DG-3158 RR | 1.5 | RR | 4 | 2000 | P | T | T | BR | | None | No |
| Dynagro | DG-3172 RR | 1.7 | RR | 4 | 2002 | P | T | BR | BR | | Rps 1-k | |
| Dynagro | DG-3183 RR | 1.8 | RR | 4, 7 | 2003 | W | T | T | B | | None | |
| Dynagro | DG 3199 N RR | 1.9 | RR | 12 | 2003 | P | T | BR | B | | Rps 1-c | |
| Dynagro | DG-3200 RR | 2.0 | RR | 2, 3, 8, 11 | 2003 | W | T | T | BR | | None | |
| Dynagro | DG-3216 N RR | 2.1 | RR | 12 | 2003 | P | T | BR | B | | Rps 1-c | |
| Dynagro | DG-3218 RR | 2.1 | RR | 2, 3, 8, 11 | 2002 | W | T | BR | B | | Rps 1-k | |
| Dynagro | DG-3221 N RR | 2.2 | RR | 12 | 2004 | P | T | BR | B | | Rps 1-c | |
| Dynagro | DG-3223 RR | 2.2 | RR | 2, 3, 8, 11 | 2001 | M | G | T | B | | None | No |
| Dynagro | DG-3242 RR | 2.4 | RR | 2, 3, 8 | 2003 | P | G | T | IB | | Rps 1-k | |
| Dynagro | DG-3263 RR | 2.6 | RR | 2 | 2002 | P | T | BR | B | | Rps 1-k | No |
| Dynagro | DG-3270 RR | 2.7 | RR | 2 | 2002 | P | G | BR | IB | | Rps 1-k | |
| Elk Mound | Excel 8120 RR | 1.3 | RR | 4 | 2000 | P | TW | T | B | I | | |
| FS Hisoy | HS 1015 | 1.0 | RR | 4 | 2002 | P | TW | T | B | | Rps 1-c | No |
| FS Hisoy | X 1225 | 1.2 | RR | 4 | | P | LTW | B | G | | Rps 1-c | No |
| FS Hisoy | HS 1305 | 1.3 | RR | 4 | 2001 | P | LTW | T | BR | | None | No |
| FS Hisoy | HS 1391 | 1.3 | CN | 4 | 2000 | P | LTW | T | BR | D | None | No |
| FS Hisoy | HS 1505 | 1.5 | RR | 3, 4 | 2001 | P | LTW | BR | B | | None | No |
| FS Hisoy | X 1525 | 1.5 | RR | 3, 4 | | W | LTW | T | BR | | | No |

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# TABLE 14. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 3 of 9)

| Originator /Brand | Entry | Maturity Group | Herb. / 1 Toler. | Performance Shown in Tables | Re-leased | Color/2 | | | | Seed /3 Luster | PRR Genes /4 | PVP /5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Flower | Hair | Pod | Hilum | | | |
| FS Hisoy | HS 1715 | 1.7 | RR | 3, 4 | 2002 | P | LTW | BR | BR | | Rps 1-k | No |
| FS Hisoy | X 2026 | 2.0 | RR | 2, 3 | | P | LTW | BR | B | | | No |
| FS Hisoy | HS 2105 | 2.1 | RR | 2, 3 | 2001 | W | LTW | T | B | | None | No |
| FS Hisoy | HS 2117 | 2.1 | RR | 2, 3 | 2001 | M | LTW | BR | B | | | No |
| FS Hisoy | HS 2225 | 2.2 | RR | 2 | 2002 | W | LTW | T | BR | | Rps 1-k | No |
| FS Hisoy | HS 2325 | 2.3 | RR | 2 | 2002 | M | LTW | T | B | | | No |
| FS Hisoy | X 2326 | 2.3 | RR | 2 | | P | T | BR | B | | Rps 1-c | No |
| FS Hisoy | HS 2491 | 2.4 | CN | 2 | 2000 | W | LTW | T | BR | | None | No |
| FS Hisoy | RT 2495 | 2.4 | RR | 2 | 2000 | W | LTW | T | B | D | Rps 1-k | No |
| FS Hisoy | HS 2515 | 2.5 | RR | 2 | 2002 | P | G | T | IB | | Rps 1-k | No |
| FS Hisoy | X 2626 | 2.6 | RR | 2 | | P | G | B | IB | | | No |
| Garst/AgriPro | 0707 RR | 0.7 | RR | 5 | 2002 | P | G | | Y | | Rps 1-k | |
| Garst/AgriPro | 1304 RR | 1.3 | RR | 3, 4 | 2002 | W | G | | BF | | Rps 1-k | |
| Garst/AgriPro | 1406 RR | 1.4 | RR | 4 | 2002 | M | TW | | B | | | |
| Garst/AgriPro | 2018 RR | 2.0 | RR | 3 | 2002 | W | LTW | | BR | | Rps 1-k | |
| Garst/AgriPro | 2332 RR | 2.3 | RR | 2, 3 | 2002 | M | LTW | | B | | | |
| Garst/AgriPro | 2569 | 2.5 | CN | 2 | 2000 | P | G | BR | BF | | None | |
| Garst/AgriPro | 2603 RR | 2.6 | RR | 2 | | P | TW | | B | | | |
| Gold Country | 2110 RR | 1.0 | RR | 4 | 2000 | P | TW | T | B | | Rps 1-c | |
| Gold Country | 6112 RR | 1.2 | RR | 4 | 2000 | P | TW | BR | B | | Rps 1-k | |
| Gold Country | 2314 RR | 1.4 | RR | 4 | 2002 | P | LTW | T | BR | | | |
| Gold Country | 2115 RR | 1.5 | RR | 4 | 2000 | P | LTW | BR | B | | | |
| Gold Country | 6318 RR | 1.8 | RR | 3 | 2002 | W | LTW | T | B | | | |
| Gold Country | 1319 RR | 1.9 | RR | 3 | 2002 | P | TW | BR | B | | Rps 1-k | |
| Golden Harvest | X 21244 RR | 1.2 | RR | 6 | | P | LTW | BR | G | | Rps 1-c | No |
| Golden Harvest | H-1535 RR | 1.5 | RR | 4, 7 | 2000 | P | LTW | BR | B | I | | No |
| Golden Harvest | H-1755 RR | 1.7 | RR | 3, 4, 10 | 2001 | P | LTW | BR | BR | | Rps 1k | No |
| Golden Harvest | H-1961 RR | 1.9 | RR | 3, 4, 7, 10 | | W | LTW | T | BR | | Rps 1-k | No |
| Golden Harvest | H-2124 RR | 2.1 | RR | 2, 3, 4, 8, 11 | 2001 | M | LTW | BR | B | I | | No |
| Golden Harvest | H-2151 RR | 2.1 | RR | 2, 3, 4, 8 | 2000 | W | LTW | T | B | I | | No |
| Golden Harvest | H-2453 RR | 2.4 | RR | 2, 8, 11 | 2001 | P | G | T | IB | I | Rps 1k | No |
| Golden Harvest | H-2494 | 2.4 | CN | 2 | 2000 | P | G | BR | BF | | | No |
| Golden Harvest | H-2503 RR | 2.5 | RR | 2, 8, 11 | | P | T | BR | BR | | | |
| Golden Harvest | H-2659 RR | 2.6 | RR | 2, 8, 11 | 2000 | P | T | BR | B | | Rps 1k | No |
| Great Lakes | GL 1903 RR | 1.9 | RR | 2, 7 | 2001 | M | LTW | BR | B | I | | No |
| Great Lakes | GL 2109 RR | 2.1 | RR | 2, 12 | 2001 | P | TW | BR | B | I | Rps 1-c | No |
| Great Lakes | GL 2200 RR | 2.2 | RR | 2 | 2001 | M | LTW | T | B | I | | No |
| Great Lakes | GL 2301 RR | 2.3 | RR | 2, 8 | 2003 | | | | | | Rps 1-k | |

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# TABLE 14. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 4 of 9)

| Originator /Brand | Entry | Maturity Group | Herb. / 1 Toler. | Performance Shown in Tables | Re-leased | Color/2 | | | | Seed /3 Luster | PRR Genes /4 | PVP /5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Flower | Hair | Pod | Hilum | | | |
| Great Lakes | GL 2419 RR | 2.4 | RR | 2, 12 | 2001 | W | G | T | BF | I | Rps 1-c | No |
| High Cycle | 2141 RR | 1.4 | RR | 4, 6 | 2001 | P | TW | T | B | | Rps 1-k | |
| High Cycle | 2152 RR | 1.5 | RR | 4 | 1999 | P | G | T | BR | | Rps 1-c | |
| High Cycle | 2173 RR | 1.7 | RR | 3, 4 | 2002 | P | G | BR | IB | | | |
| High Cycle | 2181 RR | 1.8 | RR | 3 | 2001 | P | TW | BR | B | | Rps 1-k | |
| High Cycle | 2201 RR | 2.0 | RR | 2, 3, 8 | 2002 | M | LTW | BR | B | | | |
| High Cycle | 2212 RR | 2.1 | RR | 3 | 2002 | P | TW | T | B | | Rps 1-k | |
| High Cycle | 2244 RR | 2.4 | RR | 2 | 2002 | W | TW | T | B | | Rps 1-k | |
| High Cycle | 2261 RR/SCN | 2.6 | RR | 2 | 2002 | P | TW | BR | B | | Rps 1-c | |
| High Cycle | 2273 RR | 2.7 | RR | 2 | 2001 | P | LTW | T | BR | | Rps 1-k | |
| Hughes | 182 RR | 1.8 | RR | 3 | | | | | | | Rps 1-k | |
| Hughes | 202 RR | 2.0 | RR | 2 | | | | | | | Rps 1-c | |
| Hughes | 221 RR | 2.2 | RR | 2 | 2001 | | | | | | | |
| Hughes | 441 RR | 2.4 | RR | 2 | 2001 | | | | | | | |
| Kaltenberg | KB 081 RR | 0.8 | RR | 4, 5 | 2001 | P | G | T | Y | I | Rps 1-k | No |
| Kaltenberg | KB 153 RR | 1.5 | RR | 4 | 2002 | W | LTW | T | BR | I | None | |
| Kaltenberg | KB 172 RR | 1.7 | RR | 4 | 2001 | P | LTW | BR | BR | I | Rps 1-k | No |
| Kaltenberg | KB 192 RR | 1.9 | RR | 4 | 2001 | P | LTW | T | B | I | | No |
| Kaltenberg | KB 203 RR | 2.0 | RR | 4 | 2002 | W | LTW | T | T | I | None | |
| Kaltenberg | KB 204 RR | 2.0 | RR | 3 | 2002 | P | G | BR | IB | I | Rps 1-c | |
| Kaltenberg | KB 211 RR | 2.1 | RR | 3 | 2001 | M | LTW | T | B | I | | No |
| Kaltenberg | KB 212 RR | 2.1 | RR | 3 | 2001 | P | TW | T | B | I | Rps 1-k | No |
| Kaltenberg | KB 221 RR | 2.2 | RR | 2, 3 | 2001 | M | LTW | BR | B | I | None | |
| Kaltenberg | KB 223 RR | 2.2 | RR | 3 | 2002 | W | LTW | T | BR | I | Rps 1-k | |
| Kaltenberg | KB 224 RR | 2.2 | RR | 2 | 2002 | W | LTW | T | BR | I | Rps 1-k | |
| Kaltenberg | KB 241 RR | 2.4 | RR | 2 | 2002 | W | LTW | BR | BR | I | None | |
| Kaltenberg | KB 244 RR | 2.4 | RR | 2 | 2001 | P | TW | M | BR | I | | No |
| Kaltenberg | KB 253 RR | 2.5 | RR | 2 | 2002 | P | G | BR | IB | I | Rps 1-c | |
| Kaltenberg | KB 254 RR | 2.5 | RR | 2 | 2002 | P | G | BR | IB | I | None | |
| Kaltenberg | KB 273 RR | 2.7 | RR | 2 | 2001 | P | G | T | IB | I | Rps 1-k | No |
| Kruger | K-070 RR | 0.7 | RR | 6 | 2002 | P | LTW | T | BR | | | |
| Kruger | K-082 RR | 0.8 | RR | 6 | 2003 | W | LTW | T | BR/B | | | |
| Kruger | K-088 RR | 0.8 | RR | 6 | 2003 | P | T | BR | BR | | Rps 1-k | |
| Kruger | K-090 RR | 0.9 | RR | 6 | 2003 | P | T | BR/T | B | | | |
| Kruger | K-099+ RR | 0.9 | RR | 6 | 1998 | W | LTW | T | BR | | | |
| Kruger | K-0991 | 0.9 | CN | 3, 6 | 2003 | P | LTW | T | BR | | | |
| Kruger | K-121 RR | 1.2 | RR | 3, 6 | 2002 | P | G | T | B | | Rps 1-k | |
| Kruger | K-1333 | 1.3 | CN | 3, 6 | 1998 | P | LTW | T | BR | | | |

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# TABLE 14. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 5 of 9)

| Originator /Brand | Entry | Maturity Group | Herb. / 1 Toler. | Performance Shown in Tables | Re-leased | Color/2 | | | | Seed /3 Luster | PRR Genes /4 | PVP /5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Flower | Hair | Pod | Hilum | | | |
| Kruger | K-155 RR | 1.5 | RR | 3, 7 | 2003 | P | LTW | T | BR | | | |
| Kruger | K-166 RR | 1.6 | RR | 3, 7 | 2003 | W | LTW | T | BR | | | |
| Kruger | K-191 RR | 1.9 | RR | 2, 7 | 2002 | W | LTW | T | BR | | Rps 1-k | |
| Kruger | K-191+ RR | 1.9 | RR | 2, 7 | 2003 | W | T | T | BR | | | |
| Kruger | K-193 RR | 1.9 | RR | 2, 7 | 2002 | M | LTW | BR | B | | | |
| Kruger | K-1943 | 1.9 | CN | 2, 3, 7 | 2003 | P | LTW | T | B | | | |
| Kruger | K-199 RR | 1.9 | RR | 2, 7 | 2003 | P | TW | T | BR | | Rps 1-k | |
| Kruger | K-1990 | 1.9 | CN | 2, 3, 7 | 1995 | | | | | | | |
| Kruger | K-1991 | 1.9 | CN | 3, 7 | 2002 | W | LTW | T | BR | | | |
| Kruger | K-1996 | 1.9 | CN | 2, 3, 7 | | P | LTW | BR | BF | | Rps 1-a | |
| Kruger | K-200 RR | 2.0 | RR | 2 | | P | T | T | BR | | | |
| Kruger | K-201 RR | 2.0 | RR | 2 | | W | T | T | B | | | |
| Kruger | K-202 RR/SCN | 2.0 | RR | 8 | 2003 | P | T | LBR | B | | Rps 1-c | |
| Kruger | K-211 RR | 2.1 | RR | 2, 8 | 2003 | W | T | T | T | | | |
| Kruger | K-2121 | 2.1 | CN | 2, 8 | 2003 | P | LTW | BR | B | | | |
| Kruger | K-221 RR/SCN | 2.2 | RR | 8 | 2003 | | | | | | | |
| Kruger | K-222+ RR | 2.2 | RR | 2, 8 | 2001 | M | TW | T | B | | | |
| Kruger | K-2220+ SCN | 2.2 | CN | 2, 8 | 2000 | P | T | BR | B | | Rps 1-a | |
| Kruger | K-223 RR | 2.2 | RR | 2, 8 | 2003 | W | LTW | T | BR | | Rps 1-k | |
| Kruger | K-232 RR | 2.3 | RR | 2, 8 | 2003 | W | TW | T | BR | | Rps 1-k | |
| Kruger | K-233 RR | 2.3 | RR | 2, 8 | 2001 | M | LTW | BR | B | | | |
| Kruger | K-242 RR/SCN | 2.4 | RR | 2 | 2003 | P | T | BR | B | | Rps 1-c | |
| Kruger | K-250 RR | 2.5 | RR | 2 | 1999 | W | LTW | T | BR | | | |
| Kruger | K-2525+ | 2.5 | CN | 2 | 1999 | P | G | BR | BF | | | |
| Kruger | K-262-2 RR | 2.5 | RR | 2 | 2002 | P | G | T | IB | | Rps 1-k | |
| Kruger | K-268 RR | 2.6 | RR | 2 | | P | G | T | IB | | Rps 1-k | |
| Kruger | K-269 RR | 2.6 | RR | 2 | 2003 | W | LTW | BR | BR | | | |
| LaCrosse | LC 800 RR | 0.8 | RR | 5 | 2001 | | | | | | Rps 1-k | |
| LaCrosse | LC 1000 RR | 1.0 | RR | 4 | 2000 | P | TW | T | B | | Rps 1-c | |
| LaCrosse | LC 1500 RR | 1.5 | RR | 4 | 2002 | | | | | | None | |
| LaCrosse | LC 1800 RR | 1.8 | RR | 3, 4, 7 | 2002 | | | | | | Rps 1-k | |
| LaCrosse | LC 1920 | 1.9 | CN | 3, 7 | 1999 | P | TW | BR | BR | | | |
| LaCrosse | LC 2000 RR | 2.0 | RR | 2 | 2000 | P | TW | T | B | | | |
| LaCrosse | LC 2300 RR | 2.3 | RR | 2 | 2000 | P | TW | BR | BR | | | |
| LaCrosse | LC 2320 | 2.3 | CN | 2 | 2000 | P | TW | T | BR | | | |
| Latham | EX-148 RR | 1.4 | RR | 6 | | P | LTW | BR | B | | None | No |
| Latham | EX-280 | 1.7 | CN | 3 | | W | LTW | T | BR | | None | No |
| Latham | 297 RR Brand | 1.8 | RR | 3 | 2002 | P | LTW | BR | BR | | Rps 1-k | No |
| Latham | EX-318 RR | 1.8 | RR | 3 | | W | LTW | T | B | | None | No |

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# TABLE 14. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 6 of 9)

| Originator /Brand | Entry | Maturity Group | Herb. / 1 Toler. | Performance Shown in Tables | Re-leased | Color/2 | | | | Seed /3 Luster | PRR Genes /4 | PVP /5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Flower | Hair | Pod | Hilum | | | |
| Latham | 367 RR Brand | 1.9 | RR | 3 | | W | TW | T | BR | | Rps 1-k | No |
| Latham | 392 Brand | 1.9 | CN | 3 | 1197 | W | LTW | T | BR | D | None | No |
| Latham | 418 RR Brand | 1.9 | RR | 2, 7 | 2002 | W | LTW | BR | B | | Rps 1-k | No |
| Latham | EX-468 RR | 2.1 | RR | 2 | | W | TW | T | B | | None | No |
| Latham | 497 RR Brand | 2.2 | RR | 2 | | W | TW | T | BR | | Rps 1-k | No |
| Latham | 507 RR Brand | 2.2 | RR | 2 | 2001 | M | LTW | T | B | | None | No |
| Latham | 570 Brand | 2.2 | CN | 2 | 2001 | P | G | BR | BF | | None | No |
| Latham | 647 RR Brand | 2.4 | RR | 2 | | P | G | T | IB | | Rps 1-k | No |
| Latham | EX-678 RR | 2.5 | RR | 2, 8 | 2002 | W | LTW | BR | BR | | None | No |
| Latham | EX-700 | 2.5 | CN | 2 | | P | TW | T | BR | | None | No |
| Latham | EX-738 RR | 2.6 | RR | 2 | | M | TW | BR | B | | None | No |
| LG Seeds | C 9093 RR | 0.9 | RR | 4 | 1999 | P | LTW | T | BR | | | |
| LG Seeds | C 1410 RR | 1.4 | RR | 4 | 2002 | P | LTW | T | BR | | | |
| LG Seeds | C 1712 RR | 1.7 | RR | 3 | 2002 | P | LTW | BR | BR | | Rps 1-k | |
| LG Seeds | C 1911 RR | 1.9 | RR | 3 | 2002 | W | LTW | BR | B | | Rps 1-k | |
| LG Seeds | C 2142 RR | 2.1 | RR | 2 | 2001 | P | T | BR | B | | Rps 1-c | |
| LG Seeds | C 2434 RR | 2.4 | RR | 2 | 2002 | P | G | T | IB | | Rps 1-k | |
| Mallard | RR 1011 | 1.0 | RR | 4 | 2001 | P | TW | T | B | | Rps 1-c | |
| Mallard | RR 2012 | 2.0 | RR | 3 | 2003 | W | TW | T | T | | None | |
| Mallard | RR 2111 | 2.1 | RR | 3 | 2002 | P | TW | T | B | | Rps 1-k | |
| Mallard | RR 2214 | 2.2 | RR | 2 | 2003 | W | LTW | T | BR | | Rps 1-k | |
| Mark | MRK RR 0017 | 1.7 | RR | 2 | 2000 | | | | | | | |
| Mark | MRK RR 0220 | 2.0 | RR | 2 | 2002 | | | | | | | |
| Mark | MRK RR 0121 | 2.1 | RR | 2, 8 | 2001 | M | T | | B | | No | |
| Mark | MRK RR 0221 | 2.1 | RR | 2 | 2002 | | | | | | | |
| Mark | MRK RR 0023 | 2.3 | RR | 2 | 2000 | M | LTW | | B | | No | |
| Mark | MRK RR 0023 CTA | 2.3 | RR | 2, 12 | 2000 | | | | | | | |
| Mark | MRK 0224 | 2.4 | CN | 2 | 2002 | | | | | | | |
| Mark | MRK 0224 CTA | 2.4 | CN | 2, 12 | 2002 | | | | | | | |
| Mark | MRK RR 0124 | 2.4 | RR | 2 | 2001 | | | | | | | |
| Mark | MRK RR 0025 | 2.5 | RR | 2 | 2000 | W | TW | | BR | | No | |
| Mark | MRK RR 0125 CTB | 2.5 | RR | 2, 12 | 2001 | | | | | | | |
| Mark | MRK RR 0225 | 2.5 | RR | 2 | 2002 | | | | | | | |
| Mark | MRK RR EX25 | 2.5 | RR | 2 | 2003 | | | | | | | |
| Mark | MRK RR EX25A | 2.5 | RR | 2 | 2003 | | | | | | | |
| Mark | MRK RR 0126 | 2.6 | RR | 2 | 2001 | | | | | | | |
| Mark | MRK RR 0226 | 2.6 | RR | 2, 8 | 2002 | | | | | | | |
| Midwest | GR 2037 | 2.0 | RR | 3, 8 | 2002 | W | TW | T | T | I | None | |

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# TABLE 14. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 7 of 9)

| Originator /Brand | Entry | Maturity Group | Herb. / 1 Toler. | Performance Shown in Tables | Re-leased | Color/2 | | | | Seed /3 Luster | PRR Genes /4 | PVP /5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Flower | Hair | Pod | Hilum | | | |
| Midwest | GR 2132 | 2.1 | RR | 3 | 2001 | P | TW | T | B | I | Rps 1-k | |
| Midwest | GR 2255 | 2.2 | RR | 2, 8 | 2002 | M | LTW | B | B | I | H 1-k | |
| Midwest | G 2408 | 2.4 | CN | 2 | 2002 | P | G | BR | B | I | None | |
| NK Brand | S 08-R4 | 0.8 | RR | 5 | 2001 | W | TW | T | G | | Rps 1-k | No |
| NK Brand | S 10-T1 | 1.0 | RR | 4, 5 | 2001 | W | TW | T | G | | Rps 1-k | No |
| NK Brand | S 15-B1 | 1.5 | RR | 4 | 2002 | | | | | | Rps 1-a | |
| NK Brand | S 16-Y6 | 1.6 | CN | 4 | 2001 | P | LTW | T | BR | | None | No |
| NK Brand | S 18-N5 | 1.8 | CN | 12 | 2002 | | | | | | | |
| NK Brand | S 19-90 | 1.9 | CN | 7 | 1990 | P | TW | T | G | | Rps 1c | Yes |
| NK Brand | S 19-V2 | 1.9 | RR | 2, 3, 4, 7 | 2001 | P | TW | T | IY | | Rps 1-a | No |
| NK Brand | S 24-K4 | 2.4 | RR | 2, 3 | 2000 | W | TW | T | BR | | Rps 1-a | Yes |
| NK Brand | S 25-J5 | 2.5 | CN | 2, 3 | 2000 | W | TW | BR | B | | None | Yes |
| NK Brand | S 28-W2 | 2.5 | RR | 2 | 2002 | | | | | | Rps 1-k | |
| NK Brand | S 26-H2 | 2.6 | RR | 12 | 2001 | | | | | | Rps 1-c | |
| North-Gro | NB 141 RR | 1.4 | RR | 4 | 1999 | P | TW | T | BR | I | Rps 1-k | Yes |
| North-Gro | NB 185 RR | 1.8 | RR | 3, 4 | 2002 | P | LTW | BR | BR | D | Rps 1-k | Yes |
| North-Gro | NB 200 | 2.0 | CN | 3 | 1999 | P | LTW | BR | BF | D | Rps 3 | Yes |
| North-Gro | NB 212 RR | 2.1 | RR | 2, 3 | 2001 | P | TW | T | B | D | Rps 1-k | Yes |
| North-Gro | NB 242 RR | 2.4 | RR | 2 | 1999 | W | LTW | T | B | D | Rps 1-k | Yes |
| North-Gro | NB 244 | 2.4 | CN | 2 | 2000 | P | G | BR | BF | D | Rps 2 | Yes |
| North-Gro | NB 278 RR | 2.7 | RR | 2 | 2002 | P | G | T | IB | D | Rps 1-k | Yes |
| NuTech | NT-0090 RR | 0.09 | RR | 6 | 2003 | P | T | BR | B | | | |
| NuTech | NT-0099 RR | 0.09 | RR | 6 | 2003 | W | T | BR | BR | | Rps 1-k | |
| NuTech | NT-0202 RR | 0.2 | RR | 6 | 2003 | P | T | BR | BR | | | |
| NuTech | NT-0222 RR | 0.2 | RR | 6 | 2002 | P | T | BR | B | | Rps 1-a | |
| NuTech | NT-0303 RR | 0.3 | RR | 6 | 2002 | P | G | T | Y | | Rps 1-k | |
| NuTech | NT-0333 RR | 0.3 | RR | 6 | 2003 | W | T | BR | B | | Rps 1-k | |
| NuTech | NT-0444 RR | 0.4 | RR | 6 | 2003 | P | T | BR | BR | | | |
| NuTech | NT-0555 RR | 0.5 | RR | 6 | 2003 | P | T | T | B | | Rps 1-a | |
| NuTech | NT-0606 RR | 0.6 | RR | 6 | 2003 | P | T | T | BR | | | |
| NuTech | NT-0636 RR | 0.6 | RR | 6 | 2003 | P | T | BR | IB | | Rps 1-a | |
| NuTech | NT-0707 RR | 0.7 | RR | 6 | 2003 | P | T | T | BR | | | |
| NuTech | NT-0777 RR | 0.7 | RR | 6 | 2003 | P | T | BR | BR | | Rps 1-k | |
| NuTech | NT-0818 RR | 0.8 | RR | 6 | 2003 | W | T | T | B | | | |
| NuTech | NT-0828 RR | 0.8 | RR | 6 | 2003 | P | T | BR | B | | | |
| NuTech | NT-0888 RR | 0.8 | RR | 6 | 2002 | P | T | BR | T | | Rps 1-a | |
| NuTech | NT-0990+ RR | 0.9 | RR | 6 | 2002 | W | T | T | BR | | | |
| O'Brien | O'Soy 191 N RR | 1.9 | RR | 2, 3, 12 | 2002 | P | G | T | IB | | Rps 3 | |

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# TABLE 14. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 8 of 9)

| Originator /Brand | Entry | Maturity Group | Herb. / 1 Toler. | Performance Shown in Tables | Re-leased | Color/2 | | | | Seed /3 Luster | PRR Genes /4 | PVP /5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Flower | Hair | Pod | Hilum | | | |
| O'Brien | O'Soy 242 RR | 2.3 | RR | 2, 3 | 2002 | P | G | BR | IB | | Rps 1-c | |
| O'Brien | O'Soy 243 | 2.4 | CN | 2, 3 | 2002 | P | T | T | B | | Rps 1-k | |
| Pioneer | 90B51 | 0.5 | RR | 5 | | P | TW | T | BR | D | Rps 1-c | Yes |
| Pioneer | 90B73 | 0.7 | RR | 6 | | P | TW | BR | BR | D | | Yes |
| Pioneer | 90B74 | 0.7 | RR | 5 | | P | G | BR | BF | D | Rps 1-c | Yes |
| Pioneer | 91B03 | 1.0 | RR | 4, 5 | | P | LTW | BR | B | D | Rps 1-k | Yes |
| Pioneer | 91B52 | 1.5 | RR | 4, 7 | | P | G | BR | IB | D | Rps 1-k | Yes |
| Pioneer | 91B53 | 1.6 | CN | 7 | 1998 | P | LTW | BR | BR | S | | Yes |
| Pioneer | 91B64 | 1.6 | RR | 4, 7, 10 | 1999 | P | TW | BR | B | D | Rps 1c | Yes |
| Pioneer | 91B92 | 1.9 | CN | 7 | 2001 | P | TW | T | B | I | Rps 1-k | Yes |
| Pioneer | 92B12 | 2.1 | CN | 12 | 2001 | P | TW | BR | B | I | Rps 1-k | Yes |
| Pioneer | 92B13 | 2.1 | RR | 2, 3, 8, 11 | | P | TW | T | B | | Rps 1-k | Yes |
| Pioneer | 92B14 | 2.1 | RR | 12 | | P | TW | T | B | | | Yes |
| Pioneer | 92B37 | 2.3 | CN | 12 | 1999 | P | G | BR | IB | D | Rps 1-c | Yes |
| Pioneer | 92B38 | 2.3 | RR | 2, 3 | 2001 | P | LTW | BR | BR | D | | Yes |
| Pioneer | 92B47 | 2.4 | RR | 2, 3, 11 | | P | LTW | T | BR | D | Rps 1-k | Yes |
| Prairie Brand | PB-0532 RR | 0.5 | RR | 5 | 2002 | P | LTW | T | BR | | | No |
| Prairie Brand | PB-0812 RR | 0.8 | RR | 4, 5 | 2002 | P | TW | T | B | | | No |
| Prairie Brand | PB-1241 RR | 1.2 | RR | 3, 4 | 2001 | P | G | T | BF | | Rps 1-k | No |
| Prairie Brand | PB-1552 RR | 1.5 | RR | 3 | 2002 | W | LTW | T | BR | | | No |
| Prairie Brand | PB-178 | 1.7 | CN | 2, 3, 4 | 2001 | W | LTW | T | BR | | | No |
| Prairie Brand | PB-1921 RR | 1.9 | RR | 2, 3 | 2002 | W | TWLTV | T | BR | | Rps 1-k | No |
| Prairie Brand | PB-1981 RR | 1.9 | RR | 2, 3 | 2001 | M | LTW | BR | B | | Rps 1-k | No |
| Prairie Brand | PB-2141 RR | 2.1 | RR | 2 | 2001 | W | LTW | T | BR | | Rps 1-k | No |
| Prairie Brand | PB-2117 RR | 2.2 | RR | 2 | 2000 | M | LTW | T | B | | | No |
| Renk | RS 101 RR | 1.0 | RR | 4 | 2001 | P | TW | T | B | | Rps 1-c | |
| Renk | RS 141 RR | 1.4 | RR | 3, 4 | 2001 | P | TW | T | B | | Rps 1-k | |
| Renk | RS 172 RR | 1.7 | RR | 3 | 2002 | P | LTW | B | BR | | Rps 1-k | |
| Renk | RS 199 RR | 1.9 | RR | 3 | 1999 | P | TW | T | BR | | Rps 1-k | |
| Renk | RS 212 RR | 2.2 | RR | 2, 3 | 2002 | W | TW | T | B/BR | | Rps 1-k | |
| Renk | RS 221 RR | 2.2 | RR | 2 | 2001 | P | TW | T | B | | Rps 1-k | |
| Renk | RS 240 RR | 2.4 | RR | 2 | 2000 | W | LTW | T | B | | Rps 1-k | |
| Renk | RS 252 RR | 2.5 | RR | 2 | 2002 | P | TW | T | BR | | Rps 1-k | |
| Spansoy | 103 RR | 1.0 | RR | 4 | 2003 | P | TW | | B | | | No |
| Spansoy | 132 RR | 1.3 | RR | 4 | 2002 | M | T | T | B | | | No |
| Spansoy | 163 RR | 1.6 | RR | 3 | 2003 | P | LTW | | BR | | | No |
| Spansoy | 212 RR | 2.1 | RR | 3 | 2002 | M | LTW | BR | B | | | No |
| Spansoy | 223 RR | 2.2 | RR | 2 | 2003 | M | LTW | | B | | | No |

CONTINUED

# TABLE 14. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 9 of 9)

| Originator /Brand | Entry | Maturity Group | Herb. / 1 Toler. | Performance Shown in Tables | Re-leased | Color/2 | | | | Seed /3 Luster | PRR Genes /4 | PVP /5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Flower | Hair | Pod | Hilum | | | |
| Spansoy | 241 RR | 2.4 | RR | 2 | 2001 | P | TW | T | B | | Rps 1-k | No |
| Spansoy | 253 RR | 2.5 | RR | 2 | 2003 | P | G | | M | | | No |
| Stine | S 0846-4 | 0.8 | RR | 5 | 2002 | P | TW | M | B | D | | No |
| Stine | S 1346-4 | 1.3 | RR | 4, 6 | 2002 | P | LTW | T | BR | D | | No |
| Stine | S 1586-4 | 1.5 | RR | 3, 4, 7 | 2002 | W | LTW | T | BR | D | | No |
| Stine | S 1613-4 | 1.6 | RR | 3, 7, 10 | | P | LTW | BR | BR | D | Rps 1-k | No |
| Stine | S 1918-4 | 1.9 | RR | 3, 4, 7, 10 | 2001 | W | TW | T | T | D | | No |
| Stine | S 1962-4 | 1.9 | RR | 12 | 2002 | P | TW | BR | B | D | Rps 1-c | No |
| Stine | S 2103-4 | 2.1 | RR | 2 | 2002 | W | LTW | T | BR | D | Rps 1-k | No |
| Stine | S 2123-4 | 2.1 | RR | 2, 8, 11 | 2002 | P | TW | T | B | D | Rps 1-k | No |
| Stine | S 2342-4 | 2.3 | RR | 12 | 2002 | P | TW | BR | B | D | Rps 1-c | No |
| Thompson | T-3201 | 2.0 | CN | 2 | 2002 | P | TW | | B | | None | |
| Thompson | T-7205 RR | 2.0 | RR | 2 | 2000 | W | TW | | T | | Rps 1-k | |
| Thompson | T-3213 RR | 2.1 | RR | 2 | 2002 | W | TW | | BR | | Rps 1-k | |
| Thompson | T-7225 RR | 2.2 | RR | 2 | 2002 | M | TW | | B | | None | |
| Thompson | T-7242 RR | 2.4 | RR | 2 | | P | TW | | IB | | Rps 1-k | |
| Thompson | T-7262 RR | 2.6 | RR | 2 | | P | TW | | B | | Rps 1-k | |
| Trelay | 230 | 2.3 | CN | 2 | 1990 | W | TW | T | BR | M | | Yes |
| US Seeds | US S1002 RR | 1.0 | RR | 4, 5 | 2002 | P | | T | B | | Rps 1-c | |
| US Seeds | US S1403 RR | 1.4 | RR | 4 | 2002 | P | | T | BR | | None | |
| US Seeds | US S1703 RR | 1.7 | RR | 3 | 2002 | P | | BR | BR | | Rps 1-k | |
| US Seeds | US S2503 RR | 2.5 | RR | 2 | 2002 | W | | BR | BR | | None | |
| US Seeds | US S2703 RR | 2.7 | RR | 2 | 2002 | P | | BR | IB | | None | |
| Vigoro | V 173 RR | 1.8 | RR | 3 | 2002 | W | LTW | T | B | | None | No |
| Vigoro | V 213 RR | 2.1 | RR | 3 | 2001 | M | LTW | BR | B | | | No |

All characteristics information is provided by the originator.

1/ Herb. Toler.= Herbicide Tolerance: RR= Resistance to "Roundup", STS= Resistance to Sulfonylurea herbicides,CN= Conventional herbicide tolerance.

2/ B= Black, BF = Buff, BR= Brown, G= Gray, IB= Imperfect Black, LTW= Light Tawny, M= Mixed, P= Purple, T= Tan, TW= Tawny, W= White Y= Yellow

3/ D= Dull, M=Mixed, S= Shiny, I= Intermediate.

4/ PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races listed in Introduction.

5/ PVP= Application for Plant Variety Protection has been made and/or received.

# TABLE 15. SEED SOURCE FOR PRIVATE SOYBEAN ENTRIES IN 2002

| Brand | Company Name | Address | Phone |
|---|---|---|---|
| Adler | Adler Seed | 6085 W. 530N, Sharpsville, IN 46068 | (800) 536-2676 |
| Asgrow | Monsanto | 3100 Sycamore Rd., Dekalb, IL 60115 | (815) 758-9323 |
| Bio Gene | Bio Gene Seeds | 5491 Tri-County Hwy., Sardinia, OH 45171 | (888) 862-3276 |
| Brunner | Brunner Seed Farm | W 3850 U.S. Hwy. 10, Durand, WI 54736 | (715) 672-5887 |
| Croplan | Croplan Genetics | 1984 S. Pinetree Rd., De Pere, WI 54115 | (920) 362-0119 |
| Crow's | Crow's Hybrid Corn Co. | 14575 University Ave., Waukee, IA 50263 | (515) 226-3126 |
| Dahlco | Dahlco Seeds | 14730 15th St. SW, Cokato, MN 55321 | (320) 286-5982 |
| Dairyland | Dairyland Seed Company Inc. | 9570 Hwy. N, West Bend, WI 53095 | (800) 236-0163 |
| Dekalb | Monsanto | 3100 Sycamore Rd., Dekalb, IL 60115 | (815) 758-9323 |
| Dynagro | UAP Great Lakes | 221 W. Lake Lansing Rd., E. Lansing, MI 48823 | (517) 333-8788 |
| Elk Mound | Elk Mound Seed | 308 Railroad Ave., Elk Mound, WI 54739 | (715) 879-5556 |
| FS Hisoy | Growmark Inc. | 1701 Towanda Ave., Bloomington, IL 61701 | (309) 557-6399 |
| Garst/AgriPro | Garst | S 366 Lee Lane, Coon Valley, WI 54623 | (608) 452-3844 |
| Gold Country | Gold Country Seed | 16506 Hwy. 15 N., P.O. Box 604, Hutchinson, MN 55350 | (320) 587-1050 |
| Golden Harvest | Golden Seed Co., LLC | 27525 135th Ave. N., Cordova, IL 61242 | (309) 654-2234 |
| Great Lakes | Great Lakes Hybrids | 9915 W. M-21, Ovid, MI 48866 | (800) 257-7333 |
| High Cycle | Trelay Seeds | 11623 Hwy. 80, Livingston, WI 53554 | (608) 943-6363 |
| Hughes | Hughes Seed Farms, Inc. | 206 N. Hughes Rd., Woodstock, IL 60098 | (815) 338-2480 |
| Kaltenberg | Kaltenberg Seed Farms | P.O. Box 278, Waunakee, WI 53597 | (608) 849-2321 |
| Kruger | Kruger Seed Company | Box A, Dike, IA 50624 | (515) 232-8236 |
| LaCrosse | LaCrosse Forage & Turf Seed | P.O. Box 995, LaCrosse, WI 54602 | (608) 783-9560 |
| Latham | Latham Seed Company | 131 180th St., Alexander, IA 50420 | (641) 692-3258 |
| LG Seeds | LG Seeds | N 8181 940th St., River Falls, WI 54022 | (715) 426-2015 |
| Mallard | Mallard Seed Co., Inc. | P.O. Box 637, Plainview, MN 55964 | (507) 534-2300 |
| Mark | Mark Seed | 823 W. 2nd St, P.O. Box 67, Perry, IA 50220 | (800) 383-6275 |
| Midwest | Midwest Seed Genetics | 14575 University Ave., Waukee, IA 50263 | (515) 226-3126 |
| NK Brand | Syngenta Seeds, Inc. | 320 Mohawk Trail, DeForest, WI 53532 | (608) 846-0664 |
| North-Gro | North-Gro Seeds, Inc. | 613 N. Randolph St., P.o. Box 859, Cuba City, WI 53807 | (608) 744-7333 |
| NuTech | NuTech Seed Company | 40321 130th Ave., Leland, IA 50543 | (877) 561-9067 |
| O'Brien | O'Brien Hybrids | 552 Glenway Rd., Brooklyn, WI 53521 | (608) 835-3564 |
| Pioneer | Pioneer Hi-Bred Intl. | 99 Navaho Ave., Mankato, MN 56001 | (800) 851-9043 |
| Prairie Brand | Prairie Brand Seed Company | 15 X Avenue, Story City, IA 50248 | (515) 733-2101 |
| Renk | Renk Seed | 6800 Wilburn Rd., Sun Prairie, WI 53590 | (608) 837-7351 |
| Spansoy | Spangler SeedTech Inc. | 803 W. Racine St., Jefferson, WI 53549 | (920) 674-4606 |
| Stine | Stine Seed Company | 2225 Laredo Trail, Adel, IA 50003 | (800) 362-2510 |
| Thompson | Thompson Seeds Inc. | 40321 130th Ave., Leland, IA 50453 | (641) 567-3350 |
| Trelay | Trelay Seeds | 11623 Hwy. 80, Livingston, WI 53554 | (608) 943-6363 |
| US Seeds | United Suppliers, Inc. | P.O. Box 538, Eldora, IA 50627 | (877) 714-4503 |
| Vigoro | Royster-Clark Inc. | 70 N. Market St., Mt. Sterling, OH 43143 | (740) 869-2181 |

## TABLE 16. 2002 TEMPERATURE AND PRECIPITATION SUMMARY

| | | MAY | | JUNE | | JULY | | AUGUST | | SEPT. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LOCATION | TEMP. PPT. | AVE. TOTAL | DEP. DEP. | AVE. TOTAL | DEP. DEP. | AVE. TOTAL | DEP. DEP. | AVE. TOTAL | DEP. DEP. | AVE. TOTAL | DEP. DEP. |
| ARLINGTON | TEMP. | 53.9 | -3.2 | 69.0 | 2.4 | 74.0 | 3.5 | 69.7 | 1.2 | 64.6 | 4.1 |
| | PPT. | 2.9 | -0.5 | 4.3 | 0.3 | 2.9 | -1.0 | 2.9 | -1.4 | 1.8 | -1.8 |
| CHIPPEWA FALLS | TEMP. | 52.4 | -5.6 | 69.0 | 2.2 | 75.5 | 4.1 | 69.7 | 0.7 | 63.7 | 4.3 |
| (EAU CLAIRE) | PPT. | 2.8 | -0.9 | 6.8 | 2.5 | 2.5 | -1.4 | 6.6 | 1.9 | 6.7 | 3.0 |
| FOND DU LAC | TEMP. | 53.3 | -4.6 | 69.3 | 2.2 | 74.8 | 3.0 | 71.6 | 2.1 | 65.1 | 3.8 |
| | PPT. | 2.2 | -0.7 | 4.3 | 0.8 | 1.7 | -1.8 | 2.8 | -1.4 | 3.7 | 0.2 |
| GALESVILLE | TEMP. | 56.4 | -3.4 | 70.7 | 2.1 | 76.7 | 3.9 | 70.1 | -0.2 | 65.1 | 3.4 |
| (TREMP. DAM #6) | PPT. | 1.0 | -2.7 | 5.4 | 1.5 | 3.4 | -1.0 | 3.8 | -0.7 | 2.6 | -1.2 |
| HANCOCK** | TEMP. | 52.5 | -4.0 | 67.5 | 1.8 | 73.2 | 3.6 | 68.1 | 0.8 | 62.7 | 3.7 |
| | PPT. | 2.9 | -0.5 | 16.5 | 12.7 | 3.2 | -1.0 | 4.3 | 0.0 | 3.0 | -0.6 |
| Variety Irrigation | PPT. | 0.0 | | 2.5 | | 5.5 | | 3.0 | | 0.5 | |
| White Mold Irrigation | PPT. | 0.5 | | 2.8 | | 5.5 | | 5.0 | | 1.0 | |
| SCN Irrigation | PPT. | 0.0 | | 1.5 | | 3.5 | | 2.5 | | 1.0 | |
| JANESVILLE | TEMP. | 55.2 | -3.6 | 70.0 | 1.4 | 75.8 | 3.4 | 72.2 | 2.1 | 66.2 | 3.9 |
| (BELOIT) | PPT. | 2.5 | -0.8 | 5.3 | 0.6 | 1.3 | -2.6 | 2.3 | -2.0 | 3.5 | -0.1 |
| LANCASTER | TEMP. | 53.9 | -3.8 | 68.8 | 1.9 | 73.9 | 2.8 | 69.2 | 0.3 | 63.6 | 3.1 |
| | PPT. | 3.4 | -0.3 | 8.9 | 4.1 | 4.3 | 0.3 | 3.3 | -1.3 | 4.6 | 1.4 |
| MARSHFIELD** | TEMP. | 50.6 | -5.2 | 66.8 | 1.5 | 72.6 | 2.8 | 67.1 | -0.1 | 61.7 | 3.9 |
| | PPT. | 3.1 | -0.6 | 9.0 | 4.8 | 2.7 | -1.4 | 6.0 | 1.7 | 6.5 | 2.5 |
| White Mold Irrigation | PPT. | 0.0 | | 0.0 | | 2.0 | | 0.3 | | 0.0 | |
| RACINE | TEMP. | 51.7 | -2.9 | 66.3 | 1.3 | 75.3 | 4.0 | 71.4 | 0.6 | 66.3 | 3.2 |
| | PPT. | 2.3 | -1.0 | 5.3 | 1.6 | 3.9 | 0.3 | 5.2 | 1.1 | 4.0 | 0.3 |
| SEYMOUR | TEMP. | 50.5 | -5.9 | 66.7 | 1.3 | 73.4 | 3.5 | 67.7 | 0.2 | 62.6 | 3.8 |
| (GREEN BAY) | PPT. | 2.8 | 0.1 | 4.7 | 1.3 | 1.6 | -1.8 | 4.0 | 0.2 | 3.4 | 0.3 |
| SPOONER** | TEMP. | 51.0 | -6.1 | 67.1 | 2.0 | 72.3 | 2.9 | 67.6 | 0.4 | 62.2 | 3.8 |
| | PPT. | 3.8 | 0.7 | 4.1 | 0.1 | 7.0 | 2.8 | 4.3 | -0.4 | 7.4 | 3.7 |
| Variety Irrigation | PPT. | 0.0 | | 0.0 | | 2.6 | | 1.9 | | 0.0 | |
| STURGEON BAY | TEMP. | 47.7 | -5.7 | 63.9 | 0.8 | 72.6 | 4.0 | 68.2 | 1.2 | 63.5 | 4.2 |
| | PPT. | 5.2 | 2.3 | 3.6 | 0.1 | 2.0 | -1.4 | 4.8 | 1.2 | 2.0 | -1.4 |
| VALDERS | TEMP. | 49.7 | -4.9 | 64.7 | 0.6 | 73.7 | 3.8 | 68.7 | 0.2 | 64.1 | 3.4 |
| (MANITOWOC) | PPT. | 3.9 | 1.1 | 3.8 | 0.6 | 0.8 | -2.6 | 2.9 | -0.8 | 2.0 | -1.1 |

*TEMP. = Temperature, PPT. = Precipitation, AVE. = Average, DEP. = Departure from normal.

**Irrigation applied at Hancock, Marshfield, and Spooner.