

WISCONSIN Soybean Variety Test Results

2012

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2012 Wisconsin Soybean Variety Test Results

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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 to select varieties that will satisfy their specific goals and are most likely to perform best under their 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 additional commercial and public cultivars were included for comparison.

Tests were conducted using conventional or reduced tillage practices. All variety tests were planted at 175,000 seeds/A, at row spacings listed in Table 1. Tests were conducted using a randomized complete block design with four replicates. Table 1 also lists the herbicides used for weed control in the conventional and glyphosate tolerant variety trials.

Growing conditions

Wisconsin soybean growers experienced dramatic variation in weather conditions in 2012. Drought (-4 to -8 inch departure from normal annual pre-

cipitation) and near record high temperatures (39 days above 90° F) across large portions of WI led to a projected statewide average soybean yield of 39 bu/A; down 7.5 bu/A from 2011.

Soybean planting and emergence progressed ahead of the five year average through mid-June.

Temperatures in June, July, and August remained higher than normal, which significantly advanced crop development compared to the 5 year average. In all areas of Wisconsin, the 2012 growing season was ahead of the 30 year average. From March 1st through Sept. 15th the crop had accumulated approximately 600 more growing degree units (GDUs) (base 50° F) than the 30 year norm. Statewide crop conditions were rated at less than 50 percent good to excellent for most of the season.

Advanced crop development and favorable harvest weather in September significantly expedited harvest. As of October 14th, 88 percent of the Wisconsin soybean crop had been harvested, whereas typically only 46 percent of the crop would be removed. Source: www.nass.usda.gov

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 13 percent moisture content.

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° angle, 4=severe lodging, 5=all plants flat).

Maturity: An entry was considered mature when at least 95 percent of the pods had turned their mature color. Seven to ten days of drying weather are generally required before soybeans are ready to harvest. Variety performance is presented by originator/brand, and then from earliest to latest based on the company-supplied relative maturity of the variety.

Protein and oil

Seed samples from all varieties grown in select locations were collected and analyzed using a near infrared transmittance (NIRT) grain analyzer to determine grain composition. Our goal in providing this information is to increase soybean value transparency so producers can consider the protein and oil content of varieties planted as well as the yield. The factor that influences protein the most and that is under control of a producer is variety selection. Data from the Wisconsin Soybean Variety Tests indi-

cates that proper variety selection can result in 200 more pounds per acre of protein and oil without compromising grain yield.

Phytophthora Root Rot (*P. sojae*)

There are many races of *Phytophthora sojae*. Resistance genes are incorporated into varieties (see Table 11) to provide complete or partial resistance to this fungus 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 |
| Rps 3-a | 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 |

Selection of soybean varieties with the appropriate resistance gene is paramount for its control. Race 3 is the predominant form of *Phytophthora* in Wisconsin soils. Thus, the long-used Rps1-a gene is not providing protection 95 percent of the time. Race 4 occurs in 25 percent 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 most races of *Phytophthora* found in Wisconsin. That being said, race 25 has been found here in Wisconsin, and the Rps 1-k gene does not protect against that race. 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. 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 Table 11 is based on information supplied by public breeders or companies that are releasing or marketing the variety.

White Mold (*Sclerotinia sclerotiorum*)

White mold infects through the flowers during early reproductive growth; symptoms are delayed until early pod formation, and plant death is evident as the crop progresses towards maturity. Statewide, white mold was a minor issue in 2012. The reaction of soybean varieties to the white mold pathogen is expressed as plant mortality and reduced grain yield in the presence of high white mold pressure. Varieties that express 25 percent or less plant mortality generally yield well in the presence of white mold. Results of the trial are presented in Table 8.

Soybean Cyst Nematode (*Heterodera glycines*)

Soybean Cyst Nematode (SCN) has gained significant importance as a yield-limiting pathogen in Wisconsin. A major concern is that growers are not aware of its presence on their farms. SCN can cause severe stunting and chlorosis of soybean plants, but these symptoms are not always as common; SCN can also cause major yield loss without obvious symptoms. The most common "symptom" caused by SCN is a yield decline over several years even though top crop management practices are used. Significant advances have been made to improve varieties for resistance to SCN. High yield performance in the presence of SCN is an excellent strategy to help select varieties that are resistant or tolerant in SCN infested fields. 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. Many SCN resistant varieties are also resistant to brown stem rot.

For more information about soybean pests and diseases, go to:
http://fyi.uwex.edu/fieldcroppathology/soybean_pests_diseases/

Brown Stem Rot (*Phialophora gregata*)

Brown stem rot (BSR) is a major disease of soybeans in Wisconsin. In 2012, the incidence of BSR was lower than in previous years. External symptoms of BSR are not observed until after pod development begins. There are examples where fields have both BSR and sudden death syndrome, which can make diagnoses difficult since foliar symptoms are similar. There are two pathotypes of the pathogen that cause BSR. The defoliating pathotype causes more severe internal stem discoloration and defoliation of leaves, and the nondefoliating pathotype that only causes internal stem symptoms. Select resistant varieties if BSR has been a problem in the field.

Sudden Death Syndrome (*Fusarium solani* f. sp. *glycines*)

Sudden death syndrome (SDS) incidence was similar to that of 2011. SDS is caused by a fungus and is frequently associated with the soybean cyst nematode. Leaves suddenly die during early pod development and fall from plants. SDS tolerance information is available on individual soybean varieties from locations where this disease was noted.

Emerging soybean diseases

Stem canker (*Diaporthe phaseolorum* var. *caulivora*) incidence was similar to that in 2011. Stem canker is caused by a fungus with symptoms that develop during mid-pod development—leaves wilt and die but stay attached to plants, and brown lesions appear on stems in the lower quarter of the plant. Leaf symptoms may resemble white mold, but the white cottony mold will not be observed nor will the black sclerotia of the white mold pathogen. Crop rotation appears to be the best control at this time.

Soybean viruses and insects

Soybean aphid populations were almost nonex-

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istent in 2012. Few fields within the state reached economic threshold levels that required treatment. Spider mite infestations were severe in the droughty production areas of Wisconsin. Many fields required a minimum of one pesticide application for control. Those growers that did not manage this pest experienced significant yield loss. The bean leaf beetle was observed in low numbers in the southern counties. Soybean growers and agronomic advisors need to carefully monitor early season bean leaf beetle populations again in 2013. The virus situation in fields also need to be assessed; virus-infected soybean plants commonly produce discolored seed. Late season bean leaf beetle infestation can cause extensive feeding injury to pods, thus combining with bean pod mottle virus to reduce seed yield and quality. Evidence is increasing that soybean varieties differ in their ability to yield in the presence of insects and associated viruses.

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 can better predict variety performance. When selecting varieties consider maturity, herbicide tolerance, disease resistance, and grain composition, 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. Data that is not significant is indicated by NS.

2012 Soybean Variety Test Sites

○ Northern Region (Table 5)

Marshfield

Spooner

▲ North Central Region (Table 4 & Table 7)

Chippewa Falls

Marshfield

Seymour

● Central Region (Table 3)

Fond du Lac

Galesville

Hancock

△ Southern Region (Table 2 & Table 6)

Arlington (Table 8)

Janesville

Lancaster

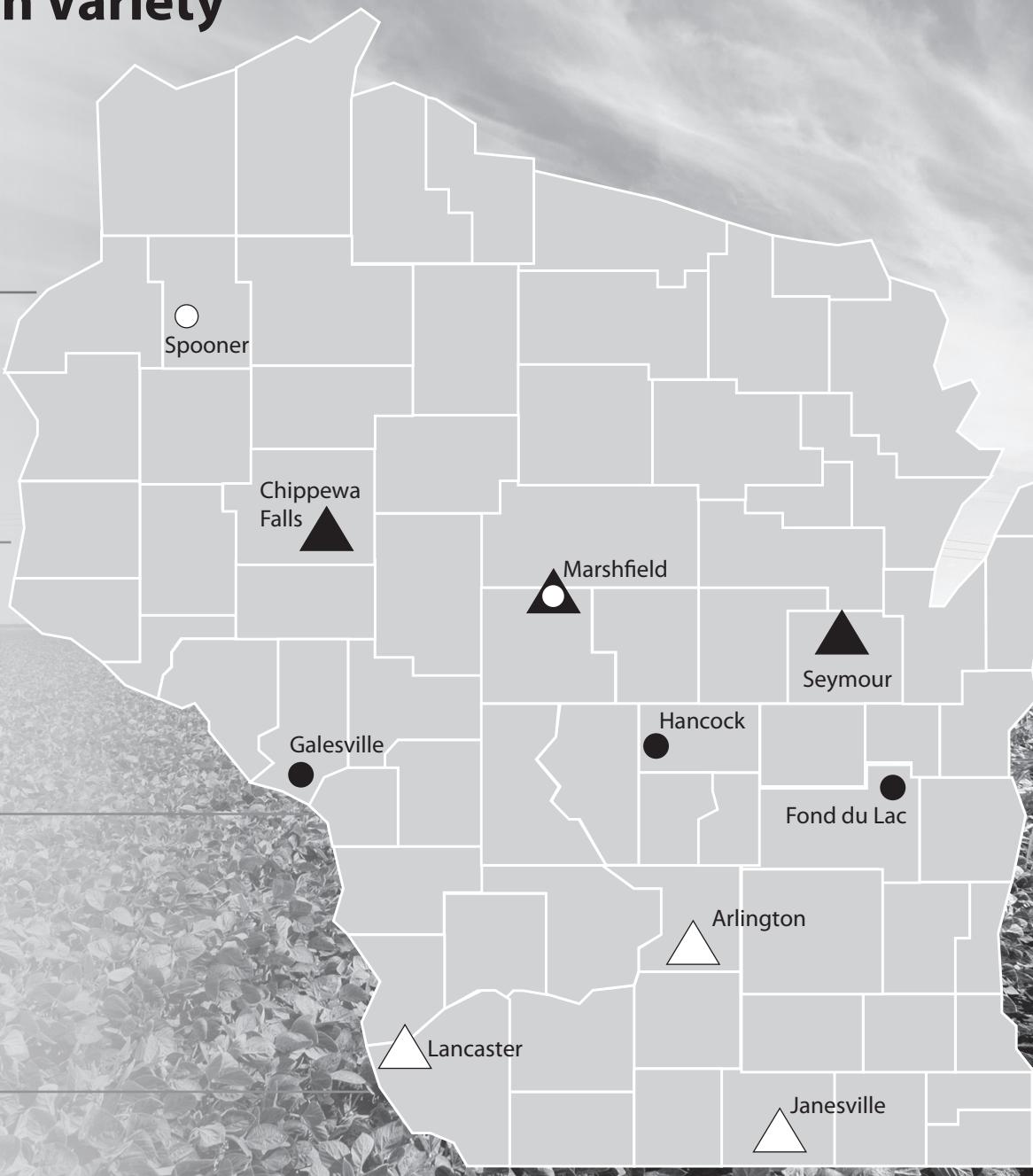


Table 1. General Information on the 2012 Soybean Tests.

| Location : Test | Cooperators | Row Spacing (in.) | Soil Test Results | | | | | Pesticide Application | | | Dates | | Average Yield (bu/A) | | |
|--|-------------------------------|-------------------|-------------------|-----|--------|---------|---------|---------------------------------|-------------------------------|---|----------|---------|----------------------|------|--------|
| | | | Soil Texture | pH | OM (%) | P (ppm) | K (ppm) | Preplant incorporated | Pre-emergent | Post-emergent | Planting | Harvest | 2012 | 2011 | 2011-2 |
| Arlington: Glyphosate Tolerant | Darwin Frye | 15 | Silt Loam | 6.9 | 3.9 | 79 | 206 | Authority First, Dual II Magnum | -- | Dimethoate 400 (2) | 11-May | 3-Oct | 80 | 67 | 74 |
| Arlington: Conventional & Traited Herbicide | Darwin Frye | 15 | Silt Loam | 6.9 | 3.9 | 79 | 206 | Authority First, Dual II Magnum | -- | Dimethoate 400 (2) | 11-May | 3-Oct | 75 | 69 | 72 |
| Arlington: White Mold | Darwin Frye | 15 | Silt Loam | 6.0 | 2.8 | 21 | 102 | Authority First, Intrro | -- | Dimethoate 400 | 21-May | 12-Oct | 48 | 68 | 58 |
| Chippewa Falls: Glyphosate Tolerant | Jerry Clark | 15 | Silt Loam | 6.6 | 3.3 | 16 | 76 | -- | -- | Roundup Weather Max | 15-May | 1-Oct | 49 | 56 | 53 |
| Fond du Lac: Glyphosate Tolerant | Ed Montsma, Mike Rankin | 15 | Silt Loam | 7.0 | 3.9 | 29 | 80 | -- | Dual II Magnum, Authority 1st | Roundup Weather Max, Fanfare 2EC | 16-May | 4-Oct | 70 | 65 | 68 |
| Galesville: Glyphosate Tolerant | Ken Congdon, Steve Huntzicker | 15 | Silt Loam | 6.2 | 3.6 | 46 | 181 | -- | -- | Roundup Weather Max (2), Select Max | 15-May | 4-Oct | 80 | 57 | 69 |
| Hancock: Glyphosate Tolerant | Matt Repking, Glenn Carlson | 15 | Sand | 6.6 | 0.8 | 71 | 63 | -- | -- | Roundup Weather Max | 2-May | 11-Oct | 82 | 79 | 81 |
| Janesville: Glyphosate Tolerant | Jim Stute | 15 | Silt Loam | 7.0 | 3.5 | 41 | 107 | -- | Dual II Magnum, Authority 1st | Roundup Weather Max (2), Select Max, Dimethoate 400 | 10-May | 2-Oct | 65 | 80 | 73 |
| Lancaster: Glyphosate Tolerant | Tim Wood | 15 | Silt Loam | 6.3 | 2.4 | 20 | 86 | Pursuit Plus, Prowl, Sencor DF | -- | Roundup Weather Max, Select Max | 8-May | 28-Sep | 55 | 72 | 64 |
| Lancaster: Conventional & Traited Herbicide | Tim Wood | 15 | Silt Loam | 6.3 | 2.4 | 20 | 86 | Pursuit Plus, Prowl, Sencor DF | -- | Flexstar, Select Max | 8-May | 28-Sep | 44 | 62 | 53 |
| Marshfield: Glyphosate Tolerant (North Central) | Mike Bertram | 15 | Silt Loam | 6.8 | 3.8 | 32 | 111 | FirstRate, Parallel | -- | Select Max | 17-May | 10-Oct | 43 | 62 | 53 |
| Marshfield: Glyphosate Tolerant (North) | Mike Bertram | 15 | Silt Loam | 6.8 | 3.8 | 32 | 111 | FirstRate, Parallel | -- | Select Max | 17-May | 10-Oct | 44 | - | - |
| Marshfield: Conventional & Traited Herbicide | Mike Bertram | 15 | Silt Loam | 6.8 | 3.8 | 32 | 111 | FirstRate, Parallel | -- | Select Max | 17-May | 10-Oct | 43 | 62 | 53 |
| Seymour: Glyphosate Tolerant | Mike Maass, Kevin Jarek | 15 | Clay Loam | 7.5 | 2.7 | 41 | 132 | -- | -- | Roundup Weather Max, Select Max | 16-May | 5-Oct | 76 | 57 | 67 |
| Spooner: Glyphosate Tolerant (Dry Land) | Phil Holman | 7 | Silt Loam | 6.0 | 2.1 | 20 | 88 | -- | -- | Roundup Weather Max, Select | 17-May | 26-Sep | 42 | 50 | 46 |
| Spooner: Glyphosate Tolerant (Irrigated) | Phil Holman | 7 | Sandy Loam | 5.9 | 1.3 | 88 | 76 | -- | -- | Roundup Weather Max, Select | 17-May | 25-Sep | 42 | 49 | 46 |

Table 2. 2012 Southern Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three southern Wisconsin locations (1 of 4).

| Originator/Brand | Entry | Maturity Group | 2012 3-Test Average | | | 2012 Yields | | | 2012 Composition ² | | 2011 3-Test Average | | | | | |
|------------------|--------------|----------------|---------------------|---------------|-----------------|------------------|---|------------------|-------------------------------|---------|---------------------|---------------|-----------------|-------------|---------|------|
| | | | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Arlington (bu/A) | ----Janesville ---- (bu/A) (SM%) ¹ | Lancaster (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) | |
| Asgrow | AG 2031 | 2.0 | 60 | 1.0 | 6-Sep | 63 | 67 | 10 | 48 | 32.9 | 19.7 | 70 | 1.6 | 13-Sep | 35.0 | 19.0 |
| Asgrow | AG 2232 | 2.2 | 68 | 1.2 | 11-Sep | 77 | 67 | 3 | 58 | 33.0 | 19.5 | -- | -- | -- | -- | -- |
| Asgrow | AG 2431 | 2.4 | *71 | 1.0 | 17-Sep | *84 | 65 | 18 | *61 | 32.8 | 19.2 | -- | -- | -- | -- | -- |
| Asgrow | AG 2433 | 2.4 | 66 | 1.0 | 17-Sep | *84 | 62 | 30 | 49 | 33.9 | 18.7 | -- | -- | -- | -- | -- |
| Asgrow | AG 2531 | 2.5 | *71 | 1.0 | 17-Sep | *89 | 64 | 28 | 54 | 33.8 | 18.6 | 73 | 2.1 | 20-Sep | 34.9 | 18.6 |
| Asgrow | AG 2733 | 2.7 | *75 | 1.0 | 23-Sep | *86 | *69 | 5 | *68 | 34.2 | 18.9 | -- | -- | -- | -- | -- |
| Channel | 2105R2 Brand | 2.1 | 63 | 1.0 | 14-Sep | 63 | *70 | 3 | 55 | 32.9 | 19.9 | -- | -- | -- | -- | -- |
| Channel | 2402R2 Brand | 2.4 | 70 | 1.0 | 16-Sep | 78 | 63 | 10 | *66 | 32.8 | 19.0 | -- | -- | -- | -- | -- |
| Channel | 2605R2 Brand | 2.6 | *76 | 1.2 | 21-Sep | *89 | *69 | 0 | *66 | 33.1 | 18.6 | -- | -- | -- | -- | -- |
| Croplan | R2C2070 | 2.0 | 62 | 1.0 | 7-Sep | 68 | 66 | 8 | 49 | 33.0 | 19.8 | 72 | 1.8 | 13-Sep | 35.3 | 19.1 |
| Croplan | R2C2120 | 2.1 | 65 | 1.0 | 10-Sep | 78 | 63 | 5 | 49 | 32.4 | 20.0 | *76 | 1.8 | 21-Sep | 33.8 | 19.2 |
| Croplan | R2C2132 | 2.1 | 65 | 1.0 | 9-Sep | 80 | 63 | 25 | 50 | 33.2 | 19.0 | -- | -- | -- | -- | -- |
| Croplan | R2T2440 | 2.4 | 70 | 1.0 | 14-Sep | 78 | 68 | 23 | *61 | 32.8 | 19.1 | *76 | 1.8 | 23-Sep | 34.0 | 18.9 |
| Croplan | R2C2451 | 2.4 | 70 | 1.2 | 14-Sep | *83 | 62 | 45 | *63 | 32.8 | 18.9 | -- | -- | -- | -- | -- |
| Croplan | R2C2721 | 2.7 | 70 | 1.2 | 20-Sep | 80 | 66 | 25 | 60 | 34.1 | 18.2 | -- | -- | -- | -- | -- |
| Dairyland | DSR-1370/R2Y | 1.3 | 61 | 1.1 | 4-Sep | 76 | 61 | 8 | 42 | 32.9 | 18.8 | 67 | 1.8 | 10-Sep | 34.0 | 18.6 |
| Dairyland | DSR-1710/R2Y | 1.7 | 57 | 1.0 | 5-Sep | *84 | 44 | 80 | 41 | 32.7 | 19.1 | 71 | 1.3 | 8-Sep | 34.9 | 18.5 |
| Dairyland | DSR-1808/R2Y | 1.8 | 61 | 1.0 | 7-Sep | 77 | 58 | 43 | 43 | 32.6 | 19.2 | *74 | 1.6 | 15-Sep | 34.1 | 18.7 |
| Dairyland | DSR-2105/R2Y | 2.1 | 65 | 1.0 | 10-Sep | *82 | 63 | 18 | 45 | 32.3 | 20.0 | *75 | 1.8 | 20-Sep | 34.1 | 19.0 |
| Dairyland | DSR-2190/R2Y | 2.1 | 66 | 1.0 | 12-Sep | 78 | 67 | 23 | 48 | 32.4 | 19.5 | -- | -- | -- | -- | -- |
| Dairyland | DSR-2411/R2Y | 2.4 | *72 | 1.0 | 15-Sep | *86 | 67 | 23 | 58 | 33.0 | 19.1 | *79 | 1.8 | 20-Sep | 34.0 | 19.0 |
| Dairyland | DSR-2677/R2Y | 2.7 | 70 | 1.0 | 21-Sep | *82 | *69 | 5 | 56 | 32.7 | 18.5 | -- | -- | -- | -- | -- |

Table 2. continued. Southern Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three southern Wisconsin locations (2 of 4).

| Originator/Brand | Entry | Maturity Group | 2012 3-Test Average | | | 2012 Yields | | | | 2012 Composition ² | | 2011 3-Test Average | | | | |
|------------------|----------|----------------|---------------------|------------------|--------------------|---------------------|--|---------------------|----------------|-------------------------------|-----------------|---------------------|--------------------|----------------|------------|------|
| | | | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Arlington (bu/A) | ----Janesville ---- (bu/A) (SM%) ¹ | Lancaster (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) | |
| Dyna-Gro | 38B21 | 2.1 | 61 | 1.0 | 11-Sep | 71 | 62 | 13 | 48 | 32.8 | 19.6 | *74 | 1.6 | 20-Sep | 34.2 | 19.2 |
| Dyna-Gro | 39RY25 | 2.5 | 68 | 1.0 | 16-Sep | 81 | 61 | 43 | 58 | 32.8 | 19.1 | *77 | 1.8 | 20-Sep | 34.1 | 19.0 |
| Dyna-Gro | S27RY03 | 2.7 | 70 | 1.0 | 20-Sep | 76 | 68 | 3 | *63 | 32.7 | 18.8 | -- | -- | -- | -- | -- |
| FS HiSOY | HS 20A22 | 1.9 | 64 | 1.0 | 10-Sep | 80 | 58 | 13 | 50 | 32.7 | 19.2 | -- | -- | -- | -- | -- |
| FS HiSOY | HS 21A02 | 2.1 | 62 | 1.0 | 9-Sep | 72 | 62 | 15 | 49 | 32.7 | 20.0 | *76 | 1.6 | 18-Sep | 34.8 | 19.2 |
| FS HiSOY | HS 22A21 | 2.2 | 70 | 1.0 | 13-Sep | *87 | *70 | 10 | 46 | 33.1 | 18.7 | -- | -- | -- | -- | -- |
| FS HiSOY | HS 24A01 | 2.4 | 70 | 1.0 | 17-Sep | *85 | 63 | 60 | 57 | 32.6 | 19.1 | *79 | 1.9 | 23-Sep | 34.1 | 18.9 |
| FS HiSOY | HS 24A12 | 2.4 | 69 | 1.0 | 16-Sep | *86 | 59 | 55 | 59 | 32.9 | 18.8 | *76 | 1.7 | 24-Sep | 33.9 | 18.7 |
| FS HiSOY | HS 25A22 | 2.5 | *73 | 1.0 | 18-Sep | *87 | 68 | 33 | 59 | 33.7 | 18.8 | -- | -- | -- | -- | -- |
| G2 | 7230 | 2.3 | 68 | 1.0 | 17-Sep | *82 | 63 | 30 | 57 | 32.8 | 19.9 | 71 | 1.8 | 25-Sep | 33.1 | 19.9 |
| G2 | 7243 | 2.4 | 66 | 1.0 | 17-Sep | 75 | 65 | 33 | 55 | 34.1 | 19.6 | -- | -- | -- | -- | -- |
| G2 | 7250 | 2.5 | *76 | 1.1 | 21-Sep | *92 | *69 | 15 | *63 | 32.2 | 19.8 | *74 | 1.8 | 24-Sep | 32.6 | 19.9 |
| G2 | 1272 | 2.7 | 70 | 1.0 | 16-Sep | 80 | 68 | 18 | 60 | 33.3 | 19.0 | -- | -- | -- | -- | -- |
| G2 | 7270 | 2.7 | *72 | 1.0 | 20-Sep | 80 | *74 | 0 | 59 | 33.8 | 19.1 | 72 | 1.6 | 29-Sep | 34.0 | 19.0 |
| G2 | 7273 | 2.7 | *77 | 1.1 | 21-Sep | *87 | *75 | 13 | *67 | 32.4 | 20.5 | -- | -- | -- | -- | -- |
| G2 | 7286 | 2.8 | 70 | 1.0 | 24-Sep | 81 | 66 | 5 | 59 | 34.3 | 18.4 | -- | -- | -- | -- | -- |
| G2 | 7290 | 2.9 | *71 | 1.0 | 23-Sep | 77 | 67 | 5 | *67 | 34.5 | 18.8 | 72 | 1.4 | 29-Sep | 34.4 | 19.0 |
| Hughes | 201 RR | 2.0 | 63 | 1.0 | 15-Sep | 77 | 63 | 28 | 47 | 33.3 | 19.3 | *75 | 1.6 | 22-Sep | 34.2 | 19.3 |
| Hughes | 454 RR | 2.4 | 65 | 1.0 | 17-Sep | 79 | 64 | 23 | 49 | 33.6 | 18.9 | 73 | 1.8 | 27-Sep | 34.6 | 18.7 |
| Hughes | 555 RR | 2.5 | 68 | 1.1 | 17-Sep | *85 | 57 | 50 | *61 | 34.0 | 18.6 | *75 | 2.1 | 27-Sep | 34.7 | 18.4 |
| Hughes | 777 RR | 2.7 | 67 | 1.1 | 19-Sep | 75 | 68 | 10 | 55 | 34.9 | 18.3 | 72 | 2.3 | 27-Sep | 35.5 | 18.2 |
| Jung | 1225RR2 | 2.2 | 65 | 1.0 | 10-Sep | 81 | 66 | 8 | 45 | 32.6 | 19.9 | *76 | 1.7 | 20-Sep | 34.0 | 19.2 |
| Jung | 1232RR2 | 2.3 | 69 | 1.0 | 16-Sep | *83 | 61 | 10 | 60 | 33.1 | 19.0 | *74 | 1.5 | 23-Sep | 33.6 | 18.8 |

Table 2. continued. Southern Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three southern Wisconsin locations (3 of 4).

| Originator/Brand | Entry | Maturity Group | 2012 3-Test Average | | | 2012 Yields | | | | 2012 Composition ² | | 2011 3-Test Average | | | | |
|------------------|--------------|----------------|---------------------|------------------|--------------------|---------------------|------------------------------|--------------------|---------------------|-------------------------------|------------|---------------------|------------------|--------------------|----------------|------------|
| | | | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Arlington (bu/A) | ----Janesville---- (bu/A) | (SM%) ¹ | Lancaster (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) |
| Legacy | LS-2412NRR2 | 2.4 | 70 | 1.0 | 12-Sep | *82 | *69 | 5 | 57 | 33.1 | 18.7 | -- | -- | -- | -- | -- |
| Legacy | LS-2812NRR2 | 2.8 | 67 | 1.0 | 22-Sep | 74 | 64 | 15 | *62 | 34.9 | 17.9 | -- | -- | -- | -- | -- |
| Mark | MRK 2410 R2 | 2.4 | 67 | 1.0 | 17-Sep | 78 | 61 | 43 | *61 | 33.0 | 19.0 | *79 | 1.7 | 22-Sep | 34.0 | 18.9 |
| Mycogen | 5N210R2 | 2.1 | 66 | 1.0 | 12-Sep | 80 | 63 | 23 | 49 | 32.6 | 19.9 | 73 | 1.8 | 20-Sep | 34.3 | 19.1 |
| Mycogen | 5N234R2 | 2.3 | 69 | 1.0 | 15-Sep | *86 | 67 | 30 | 50 | 33.5 | 19.2 | -- | -- | -- | -- | -- |
| Mycogen | 5N254R2 | 2.5 | 67 | 1.0 | 13-Sep | 77 | 65 | 20 | 57 | 33.0 | 18.8 | -- | -- | -- | -- | -- |
| NK Brand | S20-Y2 Brand | 2.0 | 58 | 1.0 | 7-Sep | 63 | 64 | 13 | 42 | 32.8 | 19.9 | *74 | 1.8 | 16-Sep | 34.5 | 19.5 |
| NK Brand | S23-P8 Brand | 2.3 | 67 | 1.0 | 13-Sep | *82 | 63 | 40 | 52 | 32.9 | 20.0 | -- | -- | -- | -- | -- |
| NK Brand | S24-K2 Brand | 2.4 | *71 | 1.0 | 16-Sep | 78 | *72 | 33 | *61 | 33.6 | 18.0 | -- | -- | -- | -- | -- |
| NK Brand | S25-T8 Brand | 2.5 | 70 | 1.0 | 17-Sep | *87 | 61 | 40 | 60 | 32.7 | 19.4 | *76 | 1.9 | 26-Sep | 33.4 | 19.2 |
| NK Brand | S27-H6 Brand | 2.7 | 70 | 1.0 | 20-Sep | *84 | 62 | 38 | *61 | 33.2 | 19.3 | -- | -- | -- | -- | -- |
| O'Brien | O'SOY170RR | 1.7 | 60 | 1.0 | 14-Sep | 75 | 60 | 20 | 39 | 34.0 | 18.9 | -- | -- | -- | -- | -- |
| O'Brien | O'SOY190R2Y | 1.9 | 63 | 1.0 | 7-Sep | 79 | 59 | 35 | 47 | 32.7 | 19.1 | -- | -- | -- | -- | -- |
| O'Brien | O'SOY250RR | 2.5 | 69 | 1.0 | 18-Sep | *83 | 62 | 8 | 58 | 33.6 | 18.8 | 73 | 1.9 | 27-Sep | 34.7 | 18.8 |
| Pioneer | 92Y22 | 2.2 | 65 | 1.0 | 16-Sep | 73 | *70 | 23 | 48 | 33.0 | 20.0 | -- | -- | -- | -- | -- |
| Pioneer | 92Y32 | 2.3 | 62 | 1.0 | 16-Sep | 71 | 60 | 25 | 52 | 32.8 | 19.7 | -- | -- | -- | -- | -- |
| Pioneer | 92Y51 | 2.5 | 69 | 1.0 | 17-Sep | *84 | *69 | 0 | 49 | 33.7 | 19.3 | *76 | 1.7 | 25-Sep | 34.3 | 19.2 |
| Pioneer | 92Y75 | 2.7 | *71 | 1.0 | 22-Sep | 79 | *71 | 15 | 59 | 34.0 | 19.1 | *75 | 1.9 | 1-Oct | 33.9 | 18.9 |
| Pioneer | 92Y83 | 2.8 | *71 | 1.0 | 24-Sep | 78 | *73 | 5 | 59 | 35.4 | 19.1 | -- | -- | -- | -- | -- |
| Power Plus | 23Z1 | 2.3 | 67 | 1.0 | 18-Sep | 78 | 62 | 43 | 59 | 32.9 | 19.9 | 73 | 1.8 | 24-Sep | 33.3 | 19.7 |
| Power Plus | 25G3 | 2.5 | 69 | 1.0 | 19-Sep | 77 | 67 | 10 | *61 | 32.7 | 19.6 | -- | -- | -- | -- | -- |
| Renk | RS202NR2 | 2.0 | 62 | 1.0 | 9-Sep | 76 | 61 | 13 | 45 | 32.3 | 19.0 | *75 | 1.6 | 20-Sep | 34.1 | 18.4 |
| Renk | RS210NR2 | 2.0 | 67 | 1.0 | 15-Sep | 81 | 61 | 20 | 56 | 32.6 | 20.1 | -- | -- | -- | -- | -- |

Table 2. continued. Southern Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three southern Wisconsin locations (4 of 4).

| Originator/Brand | Entry | Maturity Group | 2012 3-Test Average | | | 2012 Yields | | | | 2012 Composition ² | | 2011 3-Test Average | | | | |
|------------------|----------|----------------|---------------------|---------------|-----------------|------------------|----------------------------|--------------------|------------------|-------------------------------|---------|---------------------|---------------|-----------------|-------------|---------|
| | | | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Arlington (bu/A) | ----Janesville ---- (bu/A) | (SM%) ¹ | Lancaster (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) |
| Renk | RS213NR2 | 2.1 | 67 | 1.0 | 11-Sep | 78 | 68 | 5 | 52 | 32.5 | 19.9 | -- | -- | -- | -- | -- |
| Renk | RS241R2 | 2.4 | *72 | 1.0 | 14-Sep | *85 | 67 | 15 | 60 | 32.6 | 19.1 | *76 | 1.8 | 23-Sep | 34.2 | 18.8 |
| Renk | RS263NR2 | 2.6 | 69 | 1.2 | 18-Sep | 80 | *70 | 3 | 52 | 32.9 | 19.9 | -- | -- | -- | -- | -- |
| Steyer | 2301 RR | 2.3 | 68 | 1.0 | 19-Sep | *84 | 63 | 28 | 54 | 33.5 | 18.8 | -- | -- | -- | -- | -- |
| Steyer | 2603 R2 | 2.6 | *75 | 1.0 | 20-Sep | 80 | *76 | 0 | *65 | 32.6 | 18.7 | -- | -- | -- | -- | -- |
| Trelay | 20RR43 | 2.0 | 63 | 1.0 | 8-Sep | 79 | 66 | 15 | 41 | 31.9 | 19.2 | -- | -- | -- | -- | -- |
| Trelay | 21RR37 | 2.1 | 69 | 1.0 | 11-Sep | *82 | 67 | 10 | 54 | 32.4 | 19.9 | *75 | 1.6 | 21-Sep | 34.5 | 19.0 |
| Trelay | 23RR53 | 2.3 | 70 | 1.1 | 13-Sep | 79 | *71 | 0 | 56 | 33.7 | 18.5 | -- | -- | -- | -- | -- |
| Trelay | 24RR19 | 2.4 | *71 | 1.0 | 15-Sep | *83 | *69 | 3 | 59 | 32.6 | 19.1 | -- | -- | -- | -- | -- |
| Trelay | 25RR91 | 2.5 | *74 | 1.0 | 17-Sep | 80 | *74 | 8 | *65 | 34.0 | 18.8 | -- | -- | -- | -- | -- |
| Trelay | 27RR03 | 2.7 | *72 | 1.1 | 23-Sep | *84 | 65 | 0 | *64 | 33.0 | 18.5 | 71 | 2.1 | 28-Sep | 33.1 | 18.6 |
| Mean | | | 68 | 1.0 | 15-Sep | 80 | 65 | 19 | 55 | 33.1 | 19.2 | 73 | 1.8 | 24-Sep | 34.3 | 18.8 |
| LSD(0.10) | | | 7 | 0.1 | 3 | 10 | 8 | 25 | 7 | 0.4 | 0.3 | 5 | 0.4 | 3 | 0.6 | 0.3 |

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

¹ SM = Spider mite damage is expressed as a percent of damaged plants

² Protein and oil determinations collected at the Arlington site in 2012 and 2011.

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

Table 3. 2012 Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three central Wisconsin locations (1 of 4).

| Originator/Brand | Entry | Maturity Group | 2012 3-Test Average | | | 2012 Yields | | | 2012 Composition ¹ | | 2011 3-Test Average | | | | |
|------------------|--------------|----------------|---------------------|---------------|-----------------|--------------------|-------------------|----------------|-------------------------------|---------|---------------------|---------------|-----------------|-------------|---------|
| | | | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Fond du Lac (bu/A) | Galesville (bu/A) | Hancock (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) |
| Asgrow | AG 1832 | 1.8 | *80 | 1.3 | 12-Sep | *72 | *86 | 84 | 34.0 | 19.6 | 67 | 2.3 | 24-Sep | 34.1 | 18.6 |
| Asgrow | AG 1931 | 1.9 | *80 | 1.3 | 10-Sep | 71 | 82 | 86 | 33.6 | 19.2 | 69 | 2.3 | 18-Sep | 35.0 | 18.2 |
| Asgrow | AG 2031 | 2.0 | *84 | 1.0 | 15-Sep | *73 | *89 | *89 | 34.2 | 19.6 | 67 | 1.8 | 23-Sep | 33.9 | 19.0 |
| Asgrow | AG 2232 | 2.2 | *82 | 1.1 | 19-Sep | *76 | 83 | 86 | 34.1 | 19.4 | -- | -- | -- | -- | -- |
| Asgrow | AG 2431 | 2.4 | *78 | 1.0 | 20-Sep | *76 | *86 | 73 | 34.1 | 19.0 | -- | -- | -- | -- | -- |
| Asgrow | AG 2433 | 2.4 | *83 | 1.0 | 20-Sep | 71 | *89 | *89 | 34.2 | 19.1 | -- | -- | -- | -- | -- |
| Bio Gene | BG7200R2Y | 1.9 | *80 | 1.0 | 9-Sep | 63 | *87 | *90 | 34.0 | 19.0 | -- | -- | -- | -- | -- |
| Channel | 2105R2 Brand | 2.1 | *82 | 1.1 | 18-Sep | *75 | *84 | 86 | 34.2 | 19.5 | 68 | 1.9 | 28-Sep | 34.8 | 18.4 |
| Croplan | R2C1531 | 1.5 | *78 | 1.2 | 7-Sep | 70 | 82 | 83 | 33.8 | 19.2 | -- | -- | -- | -- | -- |
| Croplan | R2C1671 | 1.6 | 72 | 1.0 | 7-Sep | 61 | 72 | 83 | 34.2 | 18.9 | -- | -- | -- | -- | -- |
| Croplan | R2C1770 | 1.7 | *79 | 1.0 | 13-Sep | 66 | *85 | 85 | 34.1 | 19.6 | *74 | 1.8 | 22-Sep | 33.5 | 19.1 |
| Croplan | R2C1869 | 1.8 | 76 | 1.0 | 13-Sep | 68 | 77 | 84 | 33.8 | 19.3 | 68 | 2.0 | 21-Sep | 33.0 | 18.9 |
| Croplan | R2C2070 | 2.0 | *80 | 1.0 | 16-Sep | 71 | *84 | 86 | 34.3 | 19.6 | *71 | 1.8 | 24-Sep | 33.8 | 19.2 |
| Croplan | R2C2120 | 2.1 | *78 | 1.1 | 16-Sep | 68 | 77 | *88 | 33.5 | 19.8 | *71 | 1.9 | 25-Sep | 33.1 | 18.8 |
| Dairyland | DSR-1215/R2Y | 1.2 | 73 | 1.0 | 10-Sep | 66 | *84 | 68 | 34.7 | 18.4 | 69 | 1.8 | 18-Sep | 33.1 | 18.5 |
| Dairyland | DSR-1370/R2Y | 1.3 | 69 | 1.0 | 8-Sep | 64 | 75 | 69 | 34.3 | 18.7 | -- | -- | -- | -- | -- |
| Dairyland | DSR-1710/R2Y | 1.7 | 71 | 1.0 | 5-Sep | 61 | 76 | 76 | 34.4 | 18.8 | -- | -- | -- | -- | -- |
| Dairyland | DSR-1808/R2Y | 1.8 | *79 | 1.0 | 10-Sep | 68 | 83 | 86 | 34.3 | 18.8 | *71 | 1.8 | 20-Sep | 33.0 | 18.8 |
| Dairyland | DSR-2105/R2Y | 2.1 | *78 | 1.0 | 9-Sep | *72 | 79 | 83 | 33.6 | 19.7 | 69 | 1.9 | 23-Sep | 33.0 | 18.8 |
| Dairyland | DSR-2190/R2Y | 2.1 | 76 | 1.0 | 15-Sep | 70 | 78 | 79 | 33.4 | 19.5 | -- | -- | -- | -- | -- |
| Dairyland | DSR-2411/R2Y | 2.4 | *78 | 1.0 | 21-Sep | *75 | *85 | 76 | 34.0 | 19.1 | -- | -- | -- | -- | -- |

Table 3 continued. 2012 Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three central Wisconsin locations (2 of 4).

| Originator/Brand | Entry | Maturity Group | 2012 3-Test Average | | | 2012 Yields | | | 2012 Composition ¹ | | 2011 3-Test Average | | | | |
|------------------|----------|----------------|---------------------|---------------|-----------------|--------------------|-------------------|----------------|-------------------------------|---------|---------------------|---------------|-----------------|-------------|---------|
| | | | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Fond du Lac (bu/A) | Galesville (bu/A) | Hancock (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) |
| Dyna-Gro | 34RY17 | 1.7 | *80 | 1.0 | 11-Sep | 69 | *85 | 84 | 34.8 | 19.3 | *71 | 1.6 | 22-Sep | 33.7 | 19.1 |
| Dyna-Gro | S18RY33 | 1.8 | 75 | 1.0 | 9-Sep | 62 | 81 | 83 | 34.0 | 18.9 | -- | -- | -- | -- | -- |
| Dyna-Gro | 38B21 | 2.1 | 74 | 1.0 | 18-Sep | 66 | 79 | 77 | 34.4 | 19.6 | 69 | 1.9 | 24-Sep | 33.6 | 19.1 |
| FS HiSOY | HS 20A22 | 1.9 | *80 | 1.0 | 11-Sep | 66 | *86 | 86 | 34.3 | 18.9 | -- | -- | -- | -- | -- |
| FS HiSOY | HS 21A02 | 2.1 | *80 | 1.0 | 15-Sep | 70 | 79 | *90 | 34.7 | 19.6 | *72 | 1.8 | 22-Sep | 34.1 | 19.2 |
| FS HiSOY | HS 22A21 | 2.2 | *82 | 1.0 | 17-Sep | *74 | 83 | *89 | 34.2 | 18.7 | -- | -- | -- | -- | -- |
| FS HiSOY | HS 24A01 | 2.4 | *78 | 1.0 | 19-Sep | *72 | *86 | 77 | 34.2 | 18.9 | -- | -- | -- | -- | -- |
| FS HiSOY | HS 24A12 | 2.4 | *81 | 1.0 | 20-Sep | 71 | *85 | 86 | 34.1 | 18.8 | -- | -- | -- | -- | -- |
| G2 | 6162 | 1.6 | 66 | 1.0 | 10-Sep | 62 | 77 | 61 | 33.2 | 19.7 | 64 | 2.3 | 17-Sep | 32.2 | 19.7 |
| G2 | 7183 | 1.8 | 73 | 1.0 | 9-Sep | 66 | 72 | 81 | 34.3 | 18.2 | -- | -- | -- | -- | -- |
| G2 | 7186 | 1.8 | 70 | 1.0 | 9-Sep | 65 | 69 | 76 | 32.4 | 20.6 | 63 | 2.1 | 19-Sep | 32.7 | 19.9 |
| G2 | 1191 | 1.9 | 68 | 1.4 | 10-Sep | 67 | 67 | 72 | 34.0 | 18.8 | -- | -- | -- | -- | -- |
| G2 | 7203 | 2.0 | *77 | 1.0 | 12-Sep | 70 | 75 | 86 | 34.4 | 19.2 | -- | -- | -- | -- | -- |
| G2 | 7208 | 2.0 | 70 | 1.0 | 17-Sep | 67 | 65 | 76 | 33.9 | 19.8 | 65 | 2.0 | 24-Sep | 35.2 | 18.4 |
| G2 | 7213 | 2.1 | *77 | 1.0 | 18-Sep | 70 | 77 | 84 | 35.2 | 18.6 | -- | -- | -- | -- | -- |
| G2 | 7230 | 2.3 | *77 | 1.1 | 21-Sep | *73 | 76 | 82 | 33.6 | 19.8 | -- | -- | -- | -- | -- |
| G2 | 7243 | 2.4 | *80 | 1.1 | 22-Sep | *74 | 79 | 87 | 35.4 | 19.3 | -- | -- | -- | -- | -- |
| G2 | 7250 | 2.5 | *80 | 1.0 | 22-Sep | *76 | 78 | 86 | 32.8 | 20.1 | 65 | 2.0 | 27-Sep | 31.6 | 19.4 |
| Jung | 1170RR2 | 1.7 | *81 | 1.2 | 11-Sep | *75 | 82 | 86 | 33.4 | 19.0 | -- | -- | -- | -- | -- |
| Jung | 1201RR2 | 2.0 | *81 | 1.0 | 15-Sep | *72 | 83 | 87 | 34.6 | 19.6 | 68 | 1.8 | 21-Sep | 34.1 | 19.3 |
| Jung | 1212RR2 | 2.1 | *83 | 1.2 | 14-Sep | *72 | *84 | *94 | 33.0 | 19.2 | -- | -- | -- | -- | -- |
| Jung | 1225RR2 | 2.2 | *77 | 1.0 | 14-Sep | 66 | 80 | 84 | 33.7 | 19.9 | 67 | 1.8 | 24-Sep | 32.9 | 19.1 |

Table 3 continued. 2012 Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three central Wisconsin locations (3 of 4).

| Originator/Brand | Entry | Maturity Group | 2012 3-Test Average | | | 2012 Yields | | | 2012 Composition ¹ | | 2011 3-Test Average | | | | |
|------------------|--------------|----------------|---------------------|---------------|-----------------|--------------------|-------------------|----------------|-------------------------------|---------|---------------------|---------------|-----------------|-------------|---------|
| | | | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Fond du Lac (bu/A) | Galesville (bu/A) | Hancock (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) |
| Legacy | LS-1710RR2 | 1.7 | *81 | 1.0 | 10-Sep | 68 | *84 | *90 | 34.5 | 19.5 | *71 | 1.8 | 20-Sep | 33.4 | 19.3 |
| Legacy | LS-1942NRR2 | 1.9 | 74 | 1.0 | 11-Sep | 70 | 72 | 81 | 33.6 | 19.2 | -- | -- | -- | -- | -- |
| Legacy | LS-2012NRR2 | 2.0 | *80 | 1.0 | 10-Sep | 69 | 83 | 87 | 34.2 | 18.9 | -- | -- | -- | -- | -- |
| Legend | 17R20N | 1.7 | 68 | 1.0 | 7-Sep | 53 | 74 | 76 | 34.6 | 18.6 | -- | -- | -- | -- | -- |
| Legend | 20R20N | 2.0 | *80 | 1.0 | 16-Sep | 66 | *85 | *89 | 34.3 | 19.8 | -- | -- | -- | -- | -- |
| Legend | 23R22N | 2.3 | *80 | 1.2 | 16-Sep | *75 | 71 | *94 | 34.3 | 19.0 | -- | -- | -- | -- | -- |
| LG | C1917R2 | 1.9 | *79 | 1.1 | 15-Sep | 71 | 79 | *88 | 34.5 | 19.5 | 67 | 1.7 | 25-Sep | 33.9 | 19.2 |
| LG | C2050R2 | 2.0 | *79 | 1.1 | 16-Sep | *75 | 77 | 86 | 35.5 | 19.0 | -- | -- | -- | -- | -- |
| Mark | MRK 2410 R2 | 2.4 | 76 | 1.1 | 22-Sep | *75 | *85 | 67 | 33.7 | 19.1 | *73 | 2.1 | 29-Sep | 34.1 | 18.1 |
| Mycogen | 5N155R2 | 1.5 | *77 | 1.0 | 8-Sep | 67 | 81 | 84 | 34.2 | 19.0 | -- | -- | -- | -- | -- |
| Mycogen | 5N180R2 | 1.8 | 72 | 1.1 | 9-Sep | 61 | 75 | 81 | 34.6 | 18.7 | 67 | 1.6 | 17-Sep | 33.3 | 18.4 |
| Mycogen | 5N205R2 | 2.0 | *80 | 1.0 | 19-Sep | 71 | 79 | *90 | 34.4 | 19.7 | 69 | 2.0 | 23-Sep | 33.8 | 19.1 |
| NK Brand | S18-C2 Brand | 1.8 | 76 | 1.1 | 13-Sep | *74 | 72 | 83 | 33.7 | 19.3 | -- | -- | -- | -- | -- |
| NK Brand | S20-Y2 Brand | 2.0 | *83 | 1.0 | 14-Sep | *73 | 83 | *91 | 34.3 | 19.6 | 68 | 1.8 | 23-Sep | 33.8 | 19.3 |
| NK Brand | S23-P8 Brand | 2.3 | *82 | 1.0 | 18-Sep | 69 | *86 | *90 | 34.1 | 19.8 | -- | -- | -- | -- | -- |
| NK Brand | S24-K2 Brand | 2.4 | 76 | 1.1 | 21-Sep | 71 | *87 | 69 | 33.9 | 18.4 | -- | -- | -- | -- | -- |
| O'Brien | O'SOY170RR | 1.7 | 69 | 1.0 | 13-Sep | 66 | 62 | 79 | 35.0 | 18.8 | -- | -- | -- | -- | -- |
| O'Brien | O'SOY190R2Y | 1.9 | 76 | 1.2 | 11-Sep | *73 | 73 | 81 | 34.0 | 19.1 | -- | -- | -- | -- | -- |
| Pioneer | 92Y12 | 2.1 | 68 | 1.0 | 17-Sep | 71 | 69 | 64 | 34.8 | 19.2 | 65 | 1.8 | 25-Sep | 33.8 | 18.4 |
| Pioneer | 92Y22 | 2.2 | *77 | 1.0 | 15-Sep | *74 | 76 | 82 | 33.5 | 20.1 | -- | -- | -- | -- | -- |
| Pioneer | 92Y32 | 2.3 | 74 | 1.0 | 19-Sep | 71 | 70 | 80 | 33.5 | 19.6 | -- | -- | -- | -- | -- |
| Pioneer | 92Y51 | 2.5 | *78 | 1.0 | 22-Sep | *74 | 76 | 84 | 34.6 | 19.6 | 64 | 1.7 | 1-Oct | 33.3 | 18.6 |

Table 3 continued. 2012 Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three central Wisconsin locations (4 of 4).

| Originator/Brand | Entry | Maturity Group | 2012 3-Test Average | | | 2012 Yields | | | 2012 Composition ¹ | | 2011 3-Test Average | | | | |
|------------------|----------|----------------|---------------------|---------------|-----------------|--------------------|-------------------|----------------|-------------------------------|---------|---------------------|---------------|-----------------|-------------|---------|
| | | | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Fond du Lac (bu/A) | Galesville (bu/A) | Hancock (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) |
| Renk | RS172NR2 | 1.7 | *79 | 1.0 | 13-Sep | 69 | 82 | 85 | 34.0 | 19.6 | 69 | 1.7 | 22-Sep | 33.1 | 19.3 |
| Renk | RS183NR2 | 1.8 | *79 | 1.0 | 14-Sep | 64 | *86 | 86 | 34.4 | 18.8 | -- | -- | -- | -- | -- |
| Renk | RS202NR2 | 2.0 | *81 | 1.2 | 16-Sep | *74 | 83 | 86 | 33.1 | 19.2 | *71 | 1.8 | 18-Sep | 33.5 | 18.2 |
| Renk | RS210NR2 | 2.0 | *79 | 1.0 | 19-Sep | 71 | 83 | 83 | 33.8 | 19.8 | 69 | 1.8 | 25-Sep | 33.0 | 19.0 |
| Renk | RS213NR2 | 2.1 | *83 | 1.0 | 19-Sep | *77 | 83 | *89 | 33.7 | 19.9 | -- | -- | -- | -- | -- |
| Renk | RS241R2 | 2.4 | 76 | 1.0 | 19-Sep | *74 | 82 | 70 | 33.7 | 19.2 | *72 | 2.3 | 30-Sep | 34.0 | 18.2 |
| Renk | RS263NR2 | 2.6 | *81 | 1.1 | 18-Sep | *76 | 77 | *91 | 33.7 | 20.1 | -- | -- | -- | -- | -- |
| Steyer | 1611 R2 | 1.6 | *84 | 1.0 | 10-Sep | 70 | *88 | *95 | 34.3 | 19.5 | 68 | 1.4 | 22-Sep | 33.4 | 19.4 |
| Steyer | 1803 R2 | 1.8 | 74 | 1.1 | 12-Sep | 70 | 69 | 84 | 34.0 | 19.1 | -- | -- | -- | -- | -- |
| Steyer | 1901 RR | 1.9 | 73 | 1.0 | 17-Sep | 71 | 80 | 67 | 34.7 | 19.2 | -- | -- | -- | -- | -- |
| Steyer | 2003 R2 | 2.0 | *79 | 1.0 | 15-Sep | 63 | *86 | 86 | 34.0 | 19.0 | -- | -- | -- | -- | -- |
| Trelay | 19RR59 | 1.9 | *81 | 1.0 | 15-Sep | 70 | 83 | *90 | 34.3 | 19.7 | -- | -- | -- | -- | -- |
| Trelay | 20RR43 | 2.0 | *80 | 1.3 | 16-Sep | 71 | 82 | *88 | 33.2 | 19.1 | *71 | 1.8 | 22-Sep | 33.3 | 18.3 |
| Trelay | 21RR37 | 2.1 | *79 | 1.0 | 17-Sep | 69 | *84 | 84 | 34.0 | 19.7 | 69 | 1.8 | 23-Sep | 32.6 | 19.1 |
| Trelay | 23RR53 | 2.3 | 73 | 1.2 | 21-Sep | *77 | 81 | 61 | 33.8 | 19.0 | -- | -- | -- | -- | -- |
| Trelay | 24RR19 | 2.4 | 75 | 1.3 | 19-Sep | 70 | *84 | 70 | 33.7 | 19.3 | 69 | 2.0 | 29-Sep | 34.0 | 18.1 |
| Mean | | | 77 | 1.0 | 14-Sep | 70 | 80 | 82 | 34.1 | 19.3 | 67 | 1.9 | 23-Sep | 33.4 | 18.8 |
| LSD(0.10) | | | 7 | 0.2 | 4 | 5 | 5 | 7 | 0.4 | 0.2 | 4 | 0.6 | 4 | 0.7 | 0.3 |

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

¹ Protein and Oil determinations collected at the Fond du Lac site in 2012 and Galesville site in 2011.

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

Table 4. 2012 North Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three north central Wisconsin locations (1 of 3).

| Originator/Brand | Entry | Maturity Group | 2012 3-Test Average | | | 2012 Yields | | | 2012 Composition ¹ | | 2011 3-Test Average | | | | |
|------------------|--------------|----------------|---------------------|---------------|-----------------|-----------------------|-------------------|----------------|-------------------------------|---------|---------------------|---------------|-----------------|-------------|---------|
| | | | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Chippewa Falls (bu/A) | Marshfield (bu/A) | Seymour (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) |
| Asgrow | AG 1233 | 1.2 | 53 | 1.0 | 12-Sep | 46 | 41 | 72 | 35.1 | 18.7 | -- | -- | -- | -- | -- |
| Asgrow | AG 1431 | 1.4 | *58 | 1.0 | 10-Sep | 47 | *48 | 79 | 35.2 | 19.0 | *63 | 2.2 | 30-Sep | 35.2 | 18.0 |
| Asgrow | AG 1631 | 1.6 | *58 | 1.0 | 16-Sep | *50 | 45 | 78 | 34.6 | 19.2 | -- | -- | -- | -- | -- |
| Asgrow | AG 1733 | 1.7 | *57 | 1.0 | 16-Sep | *52 | 40 | 79 | 34.0 | 19.4 | -- | -- | -- | -- | -- |
| Bio Gene | BG7140RR2Y | 1.4 | 56 | 1.0 | 13-Sep | 49 | 42 | 78 | 35.2 | 18.5 | *60 | 1.8 | 27-Sep | 34.6 | 17.4 |
| Channel | 1405R2 Brand | 1.4 | 56 | 1.0 | 13-Sep | 48 | 43 | 75 | 35.4 | 19.1 | *62 | 2.1 | 1-Oct | 35.3 | 17.8 |
| Channel | 1805R2 Brand | 1.8 | 54 | 1.0 | 15-Sep | 44 | 43 | 76 | 35.3 | 19.3 | *64 | 2.2 | 3-Oct | 35.0 | 17.8 |
| Croplan | R2C1531 | 1.5 | *58 | 1.0 | 13-Sep | *55 | 43 | 75 | 35.7 | 18.8 | -- | -- | -- | -- | -- |
| Croplan | R2C1671 | 1.6 | 53 | 1.0 | 16-Sep | 49 | 41 | 69 | 36.0 | 18.3 | -- | -- | -- | -- | -- |
| Croplan | R2C1770 | 1.7 | *59 | 1.0 | 14-Sep | *51 | 41 | *86 | 36.4 | 18.5 | *61 | 1.8 | 1-Oct | 35.7 | 17.4 |
| Croplan | R2C1869 | 1.8 | *59 | 1.0 | 15-Sep | *55 | 40 | *84 | 35.0 | 18.6 | 58 | 1.8 | 2-Oct | 34.1 | 17.5 |
| Croplan | R2C2070 | 2.0 | 55 | 1.0 | 21-Sep | 44 | 38 | *83 | 35.4 | 19.2 | *62 | 2.0 | 4-Oct | 34.9 | 17.9 |
| Croplan | R2C2120 | 2.1 | 55 | 1.0 | 21-Sep | 48 | 36 | *81 | 34.5 | 18.8 | 58 | 1.8 | 6-Oct | 33.9 | 17.8 |
| Dairyland | DSR-0747/R2Y | 0.7 | 53 | 1.0 | 6-Sep | *53 | 38 | 68 | 34.8 | 19.0 | -- | -- | -- | -- | -- |
| Dairyland | DSR-0904/R2Y | 0.8 | *57 | 1.0 | 8-Sep | 49 | *47 | 74 | 34.5 | 19.5 | -- | -- | -- | -- | -- |
| Dairyland | DSR-1215/R2Y | 1.2 | *59 | 1.0 | 13-Sep | *50 | *46 | *82 | 35.2 | 18.3 | -- | -- | -- | -- | -- |
| Dairyland | DSR-1370/R2Y | 1.3 | 56 | 1.0 | 13-Sep | 49 | 41 | 77 | 35.4 | 18.4 | -- | -- | -- | -- | -- |
| Dairyland | DSR-1710/R2Y | 1.7 | *58 | 1.0 | 16-Sep | *53 | 41 | *80 | 36.5 | 17.9 | -- | -- | -- | -- | -- |
| Dairyland | DSR-1808/R2Y | 1.8 | *57 | 1.0 | 17-Sep | 49 | 42 | *80 | 34.9 | 18.6 | 57 | 1.9 | 27-Sep | 33.9 | 17.5 |
| Dyna-Gro | S13RY83 | 1.3 | *57 | 1.0 | 12-Sep | 46 | 42 | *84 | 35.0 | 18.4 | -- | -- | -- | -- | -- |
| Dyna-Gro | S15RY53 | 1.5 | 55 | 1.0 | 16-Sep | 40 | 45 | 79 | 35.6 | 19.1 | -- | -- | -- | -- | -- |
| G2 | 6088 | 0.8 | 54 | 1.0 | 7-Sep | 49 | 42 | 72 | 35.9 | 19.0 | 58 | 1.2 | 14-Sep | 35.1 | 17.7 |

Table 4 continued. 2012 North Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three north central Wisconsin locations (2 of 3).

| Originator/Brand | Entry | Maturity Group | 2012 3-Test Average | | | 2012 Yields | | | 2012 Composition ¹ | | 2011 3-Test Average | | | | |
|------------------|-------------|----------------|---------------------|---------------|-----------------|-----------------------|-------------------|----------------|-------------------------------|---------|---------------------|---------------|-----------------|-------------|---------|
| | | | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Chippewa Falls (bu/A) | Marshfield (bu/A) | Seymour (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) |
| G2 | 6092 | 0.9 | 50 | 1.0 | 8-Sep | 43 | 39 | 68 | 34.7 | 19.7 | *59 | 2.3 | 16-Sep | 34.9 | 18.0 |
| G2 | 6098 | 0.9 | *57 | 1.0 | 7-Sep | *54 | *46 | 72 | 33.5 | 19.4 | -- | -- | -- | -- | -- |
| G2 | 6143 | 1.4 | 56 | 1.0 | 8-Sep | *50 | 44 | 75 | 34.8 | 18.9 | -- | -- | -- | -- | -- |
| G2 | 6162 | 1.6 | *57 | 1.0 | 13-Sep | *50 | 45 | 77 | 34.2 | 19.5 | 56 | 1.9 | 27-Sep | 34.3 | 18.0 |
| G2 | 7183 | 1.8 | 54 | 1.0 | 14-Sep | 47 | 44 | 70 | 34.9 | 18.3 | -- | -- | -- | -- | -- |
| G2 | 7186 | 1.8 | 54 | 1.0 | 13-Sep | 48 | 40 | 73 | 34.6 | 19.6 | -- | -- | -- | -- | -- |
| Jung | 1146RR2 | 1.4 | *57 | 1.0 | 16-Sep | 46 | *46 | 78 | 34.8 | 18.6 | -- | -- | -- | -- | -- |
| Jung | 1152RR2 | 1.5 | *61 | 1.0 | 11-Sep | *52 | *51 | *82 | 35.3 | 19.1 | -- | -- | -- | -- | -- |
| Jung | 1170RR2 | 1.7 | *58 | 1.0 | 15-Sep | 47 | 45 | *83 | 35.2 | 19.0 | -- | -- | -- | -- | -- |
| Legacy | LS-0611RR2 | 0.6 | 53 | 1.0 | 5-Sep | *52 | 45 | 63 | 33.6 | 19.4 | -- | -- | -- | -- | -- |
| Legacy | LS-0710RR2 | 0.7 | 51 | 1.0 | 7-Sep | 46 | 41 | 67 | 34.9 | 18.9 | *61 | 2.0 | 13-Sep | 35.0 | 17.4 |
| Legacy | LS-0911RR2 | 1.0 | 53 | 1.0 | 7-Sep | 47 | 41 | 72 | 34.5 | 19.0 | *61 | 2.3 | 16-Sep | 35.1 | 17.4 |
| Legacy | LS-1321RR2 | 1.3 | *57 | 1.0 | 12-Sep | *50 | 43 | 78 | 35.1 | 18.4 | *60 | 2.1 | 26-Sep | 34.6 | 17.0 |
| Legacy | LS-1531RR2 | 1.5 | 56 | 1.0 | 13-Sep | 49 | 44 | 75 | 34.0 | 19.2 | *59 | 1.6 | 23-Sep | 34.0 | 17.5 |
| Legacy | LS-1710RR2 | 1.7 | *59 | 1.0 | 14-Sep | *52 | 40 | *83 | 36.4 | 18.8 | 58 | 1.7 | 1-Oct | 35.7 | 17.3 |
| Legacy | LS-1942NRR2 | 1.9 | *58 | 1.0 | 16-Sep | *50 | 44 | 79 | 35.7 | 18.3 | -- | -- | -- | -- | -- |
| Legend | 08R22N | 0.8 | *58 | 1.0 | 9-Sep | *52 | 45 | 77 | 34.4 | 19.5 | -- | -- | -- | -- | -- |
| Legend | 15R22N | 1.5 | *57 | 1.0 | 13-Sep | 49 | *46 | 76 | 35.3 | 19.1 | -- | -- | -- | -- | -- |
| Legend | 17R20N | 1.7 | 56 | 1.0 | 18-Sep | *50 | 42 | 75 | 36.0 | 18.1 | -- | -- | -- | -- | -- |
| LG | C1530R2 | 1.5 | *59 | 1.0 | 13-Sep | 44 | *47 | *86 | 35.1 | 19.5 | -- | -- | -- | -- | -- |
| Mycogen | 5N110R2 | 1.1 | 51 | 1.0 | 6-Sep | 44 | 41 | 66 | 34.2 | 19.1 | -- | -- | -- | -- | -- |
| Mycogen | 5N130R2 | 1.3 | *60 | 1.0 | 15-Sep | *52 | *48 | *80 | 34.7 | 18.7 | *62 | 1.9 | 27-Sep | 34.3 | 17.3 |

Table 4 continued. 2012 North Central Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three north central Wisconsin locations (3 of 3).

| Originator/Brand | Entry | Maturity Group | 2012 3-Test Average | | | 2012 Yields | | | 2012 Composition ¹ | | 2011 3-Test Average | | | | |
|------------------|--------------|----------------|---------------------|---------------|-----------------|-----------------------|-------------------|----------------|-------------------------------|---------|---------------------|---------------|-----------------|-------------|---------|
| | | | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Chippewa Falls (bu/A) | Marshfield (bu/A) | Seymour (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) |
| NK Brand | S12-L5 Brand | 1.2 | *57 | 1.0 | 8-Sep | *51 | 45 | 74 | 33.8 | 19.2 | -- | -- | -- | -- | -- |
| NK Brand | S15-L5 Brand | 1.5 | 47 | 1.0 | 16-Sep | 39 | 36 | 67 | 35.5 | 19.0 | 54 | 2.1 | 29-Sep | 34.8 | 17.9 |
| NK Brand | S18-C2 Brand | 1.8 | 54 | 1.0 | 14-Sep | 45 | 40 | 78 | 36.0 | 18.0 | -- | -- | -- | -- | -- |
| Pioneer | 90Y90 | 0.9 | 54 | 1.0 | 6-Sep | 46 | 45 | 71 | 35.0 | 19.1 | -- | -- | -- | -- | -- |
| Pioneer | 91Y10 | 1.1 | 50 | 1.0 | 10-Sep | 44 | 42 | 63 | 34.7 | 18.8 | -- | -- | -- | -- | -- |
| Pioneer | 91Y30 | 1.3 | 54 | 1.0 | 12-Sep | 44 | 45 | 74 | 34.1 | 19.2 | -- | -- | -- | -- | -- |
| Pioneer | 91Y41 | 1.4 | 54 | 1.0 | 10-Sep | 45 | 43 | 75 | 34.3 | 19.1 | *59 | 2.3 | 22-Sep | 34.0 | 17.9 |
| Pioneer | 91Y74 | 1.7 | 51 | 1.0 | 11-Sep | 41 | 44 | 68 | 35.5 | 19.2 | -- | -- | -- | -- | -- |
| Renk | RS082R2 | 0.8 | 55 | 1.0 | 8-Sep | 48 | 44 | 73 | 34.4 | 19.0 | *60 | 1.6 | 19-Sep | 35.1 | 17.4 |
| Renk | RS107RR | 1.0 | 56 | 1.0 | 11-Sep | 47 | *48 | 72 | 35.2 | 19.0 | -- | -- | -- | -- | -- |
| Renk | RS122R2 | 1.2 | *58 | 1.0 | 14-Sep | *51 | *48 | 74 | 35.8 | 18.6 | *61 | 2.2 | 26-Sep | 36.0 | 17.4 |
| Renk | RS140NR2 | 1.4 | *58 | 1.0 | 12-Sep | *51 | *47 | 77 | 34.5 | 18.9 | *59 | 2.1 | 24-Sep | 35.2 | 17.1 |
| Renk | RS153NR2 | 1.5 | 56 | 1.0 | 16-Sep | 44 | 45 | 78 | 35.0 | 19.6 | -- | -- | -- | -- | -- |
| Renk | RS172NR2 | 1.7 | *60 | 1.0 | 16-Sep | *53 | 42 | *85 | 36.3 | 19.0 | *60 | 1.7 | 28-Sep | 35.6 | 17.5 |
| Renk | RS183NR2 | 1.8 | *61 | 1.0 | 16-Sep | *55 | 45 | *84 | 34.8 | 18.7 | -- | -- | -- | -- | -- |
| Steyer | 1403 R2 | 1.4 | 56 | 1.0 | 11-Sep | *50 | 44 | 73 | 37.1 | 17.5 | -- | -- | -- | -- | -- |
| Steyer | 1611 R2 | 1.6 | *60 | 1.0 | 19-Sep | *53 | 45 | *84 | 36.0 | 18.9 | 56 | 1.3 | 30-Sep | 35.4 | 17.5 |
| Trelay | 15RR51 | 1.5 | *62 | 1.0 | 12-Sep | *56 | *50 | *80 | 35.4 | 19.1 | *61 | 1.4 | 25-Sep | 35.9 | 17.3 |
| Mean | | | 56 | 1.0 | 12-Sep | 49 | 43 | 76 | 35.1 | 18.9 | 58 | 1.9 | 26-Sep | 35.1 | 17.5 |
| LSD(0.10) | | | 5 | NS | 3 | 6 | 6 | 6 | 0.5 | 0.4 | 5 | 0.5 | 5 | 0.4 | 0.2 |

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

¹ Protein and Oil determinations collected at the Marshfield site in 2012 and 2011.

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

Table 5. 2012 Northern Region Glyphosate Tolerant Soybean Test: performance of commercial entries at three northern Wisconsin locations.

| Originator/Brand | Entry | Maturity Group | 2012 3-Test Average | | | 2012 Yields | | | 2012 Composition ¹ | | 2011 3-Test Average | | | | |
|------------------|--------------|------------------|---------------------|---------------|-----------------|-------------------|------------------------|--------------------------|-------------------------------|---------|---------------------|---------------|-----------------|-------------|---------|
| | | | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Marshfield (bu/A) | Spooner Dryland (bu/A) | Spooner Irrigated (bu/A) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) |
| Asgrow | AG 0832 | 0.8 | *44 | 1.0 | 5-Sep | *42 | *43 | *48 | 34.9 | 19.6 | *50 | 1.0 | 24-Sep | 34.2 | 19.5 |
| Asgrow | AG 0833 | 0.8 | 37 | 1.0 | 10-Sep | 40 | 37 | 33 | 34.7 | 19.0 | -- | -- | -- | -- | -- |
| Asgrow | AG 1031 | 1.0 | *43 | 1.0 | 6-Sep | *44 | 40 | *45 | 36.0 | 18.4 | 46 | 1.0 | 26-Sep | 34.7 | 18.5 |
| Asgrow | AG 1233 | 1.2 | *43 | 1.0 | 10-Sep | *46 | 41 | *44 | 35.0 | 18.6 | -- | -- | -- | -- | -- |
| Asgrow | AG 1431 | 1.4 | *43 | 1.0 | 4-Sep | 41 | *45 | *44 | 35.4 | 19.3 | -- | -- | -- | -- | -- |
| Bio Gene | BG1300R2Y | 1.3 | *45 | 1.0 | 9-Sep | *46 | *46 | *44 | 35.2 | 18.3 | -- | -- | -- | -- | -- |
| Croplan | R2T0860 | 0.8 | 41 | 1.0 | 9-Sep | *42 | *42 | 40 | 34.9 | 18.8 | -- | -- | -- | -- | -- |
| Croplan | R2T1391 | 1.3 | *44 | 1.0 | 9-Sep | *43 | *45 | *44 | 35.4 | 18.3 | -- | -- | -- | -- | -- |
| Croplan | R2T1470 | 1.4 | *45 | 1.0 | 7-Sep | *43 | *47 | *45 | 35.6 | 18.0 | *53 | 1.3 | 28-Sep | 34.0 | 18.7 |
| Dairyland | DSR-0606/R2Y | 0.6 | *43 | 1.0 | 14-Sep | *47 | 41 | 40 | 33.7 | 19.5 | -- | -- | -- | -- | -- |
| Dairyland | DSR-0747/R2Y | 0.7 | 42 | 1.1 | 7-Sep | *43 | *43 | 40 | 34.8 | 18.9 | -- | -- | -- | -- | -- |
| Dairyland | DSR-0904/R2Y | 0.8 | *44 | 1.0 | 15-Sep | *48 | *42 | 41 | 34.5 | 19.4 | -- | -- | -- | -- | -- |
| Legacy | LS-0611RR2 | 0.6 | 40 | 1.0 | 16-Sep | 41 | 40 | 39 | 34.2 | 19.2 | -- | -- | -- | -- | -- |
| Legacy | LS-0710RR2 | 0.7 | 40 | 1.0 | 7-Sep | *43 | 37 | 41 | 34.6 | 19.1 | 44 | 1.3 | 18-Sep | 34.5 | 18.2 |
| Mycogen | 5N090R2 | 0.9 | *43 | 1.0 | 15-Sep | *42 | *43 | *43 | 35.1 | 19.2 | -- | -- | -- | -- | -- |
| NK Brand | S08-G1 Brand | 0.8 | 40 | 1.0 | 9-Sep | *43 | 38 | 39 | 34.7 | 18.8 | -- | -- | -- | -- | -- |
| NK Brand | S10-G7 Brand | 1.0 | *47 | 1.0 | 8-Sep | *47 | *48 | *45 | 34.6 | 18.7 | 47 | 1.5 | 29-Sep | 34.3 | 19.1 |
| Pioneer | 90Y90 | 0.9 | 39 | 1.0 | 8-Sep | *43 | 40 | 34 | 35.1 | 19.0 | 42 | 1.0 | 17-Sep | 34.8 | 18.9 |
| Pioneer | 91Y01 | 1.0 | *45 | 1.3 | 11-Sep | *48 | *44 | *44 | 33.8 | 19.4 | -- | -- | -- | -- | -- |
| Renk | RS082R2 | 0.8 | 41 | 1.0 | 8-Sep | 41 | *42 | 42 | 34.8 | 18.9 | 47 | 1.0 | 19-Sep | 34.1 | 19.0 |
| Renk | RS107RR | 1.0 | 42 | 1.0 | 8-Sep | *45 | 40 | 40 | 35.3 | 19.1 | -- | -- | -- | -- | -- |
| | | Mean | 42 | 1.0 | 9-Sep | 44 | 42 | 42 | 34.9 | 18.9 | 45 | 1.2 | 19-Sep | 34.3 | 18.8 |
| | | LSD(0.10) | 3 | 0.2 | 2 | 6 | 7 | 5 | 0.4 | 0.3 | 5 | 0.5 | 4 | 0.6 | 0.4 |

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

¹ Protein and Oil determinations collected at the Marshfield site in 2012 and Sturgeon Bay site 2011.

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

Table 6. 2012 Southern Conventional and Traited Herbicide Soybean Test: performance of public and commercial entries at two southern Wisconsin locations (1 of 2).

| Originator/Brand | Entry | Maturity Group | Herbicide Tolerance ¹ | 2012 2-Test Average | | | | | 2012 Yields | | 2011 2-Test Average | | | | |
|------------------|--------------|----------------|----------------------------------|---------------------|---------------|-----------------|-------------|---------|------------------|------------------|---------------------|---------------|-----------------|-------------|---------|
| | | | | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) | Arlington (bu/A) | Lancaster (bu/A) | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) |
| Blue River | 2A12 | 2.1 | CN | 61 | 1.0 | 13-Sep | 34.7 | 18.3 | 77 | 40 | 63 | 1.3 | 22-Sep | 35.9 | 17.8 |
| Blue River | 23C2 | 2.3 | CN | 60 | 1.4 | 21-Sep | 32.4 | 19.7 | 68 | 49 | -- | -- | -- | -- | -- |
| Blue River | 2A71 | 2.7 | CN | 64 | 1.3 | 21-Sep | 34.4 | 18.6 | 75 | 49 | 64 | 1.6 | 4-Oct | 35.7 | 17.5 |
| Croplan | R2C2120 | 2.1 | RR2 | 60 | 1.0 | 11-Sep | 33.5 | 19.4 | 75 | 41 | -- | -- | -- | -- | -- |
| Dairyland | DSR-2411/R2Y | 2.4 | RR2 | *71 | 1.0 | 17-Sep | 33.4 | 19.1 | *84 | *53 | -- | -- | -- | -- | -- |
| eMerge | e2062 | 2.0 | CN | 61 | 1.0 | 12-Sep | 35.8 | 19.0 | 75 | 41 | -- | -- | -- | -- | -- |
| eMerge | e2162 | 2.1 | CN | 59 | 1.0 | 10-Sep | 35.9 | 18.0 | 75 | 39 | -- | -- | -- | -- | -- |
| eMerge | XC2282 | 2.2 | CN | 61 | 1.0 | 14-Sep | 35.2 | 18.4 | 74 | 44 | -- | -- | -- | -- | -- |
| FS HiSOY | HS 24A01 | 2.4 | RR2 | *69 | 1.0 | 17-Sep | 33.5 | 19.1 | *81 | *52 | -- | -- | -- | -- | -- |
| NuTech | 3223L | 2.2 | LL | *68 | 1.1 | 23-Sep | 34.3 | 18.7 | 77 | *55 | -- | -- | -- | -- | -- |
| NuTech | 3243L | 2.4 | LL | *70 | 1.0 | 23-Sep | 33.7 | 18.6 | *80 | *56 | -- | -- | -- | -- | -- |
| NuTech | 242CN | 2.4 | CN | *65 | 1.1 | 20-Sep | 31.8 | 19.7 | *78 | 47 | -- | -- | -- | -- | -- |
| NuTech | 3248L | 2.6 | LL | *72 | 1.1 | 23-Sep | 32.6 | 19.8 | *84 | *55 | *71 | 2.0 | 2-Oct | 33.7 | 18.9 |
| NuTech | 3273L | 2.7 | LL | *66 | 1.0 | 23-Sep | 33.8 | 19.0 | *79 | 49 | -- | -- | -- | -- | -- |
| NuTech | 270CN | 2.7 | CN | 61 | 1.4 | 22-Sep | 32.9 | 18.8 | 69 | 50 | -- | -- | -- | -- | -- |
| Pioneer | 92Y51 | 2.5 | RR1 | 63 | 1.0 | 19-Sep | 34.0 | 19.6 | 76 | 46 | -- | -- | -- | -- | -- |
| PIP | 232 LL | 2.3 | LL | *71 | 1.1 | 23-Sep | 33.9 | 18.5 | *84 | *55 | -- | -- | -- | -- | -- |
| Public | Ashtabula | 0.4 | CN | 37 | 1.0 | 28-Aug | 35.6 | 19.4 | 49 | 22 | -- | -- | -- | -- | -- |
| Public | Sheyenne | 0.8 | CN | 47 | 1.0 | 31-Aug | 33.5 | 19.1 | 62 | 26 | -- | -- | -- | -- | -- |
| Public | MN 1410 | 1.4 | CN | 54 | 1.0 | 3-Sep | 34.9 | 18.8 | 67 | 38 | 60 | 1.9 | 15-Sep | 35.2 | 18.8 |
| Public | IA 1006 | 1.6 | CN | 51 | 1.0 | 8-Sep | 34.1 | 18.5 | 65 | 33 | 57 | 2.3 | 16-Sep | 34.6 | 18.5 |
| Public | IA 1022 | 1.7 | CN | 62 | 1.0 | 12-Sep | 32.0 | 20.3 | *78 | 42 | *73 | 2.1 | 24-Sep | 32.5 | 20.0 |
| Public | W04-338 | 2.3 | CN | 56 | 1.1 | 20-Sep | 34.8 | 18.3 | 68 | 40 | -- | -- | -- | -- | -- |
| Renk | RS202NR2 | 2.0 | RR2 | 63 | 1.0 | 10-Sep | 33.2 | 18.8 | *81 | 40 | -- | -- | -- | -- | -- |

Table 6 continued. 2012 Southern Conventional and Traited Herbicide Soybean Test: performance of public and commercial entries at two southern Wisconsin locations (2 of 2).

| Originator/Brand | Entry | Maturity Group | Herbicide Tolerance ¹ | 2012 2-Test Average | | | | | 2012 Yields | | 2011 2-Test Average | | | | | |
|------------------|------------|----------------|----------------------------------|---------------------|---------------|-----------------|-------------|---------|------------------|------------------|---------------------|---------------|-----------------|-------------|---------|------|
| | | | | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) | Arlington (bu/A) | Lancaster (bu/A) | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) | |
| Tracy | 1813LL | 1.8 | LL | 63 | 1.0 | 14-Sep | 34.1 | 18.6 | *82 | 40 | -- | -- | -- | -- | -- | |
| Tracy | 2213LL | 2.2 | LL | *67 | 1.4 | 23-Sep | 34.2 | 18.7 | *80 | 49 | -- | -- | -- | -- | -- | |
| Tracy | 2513LL | 2.5 | LL | *70 | 1.1 | 23-Sep | 33.8 | 18.5 | *84 | 51 | -- | -- | -- | -- | -- | |
| Tracy | 2813LL | 2.8 | LL | *67 | 1.0 | 24-Sep | 33.5 | 19.1 | *78 | 51 | -- | -- | -- | -- | -- | |
| Viking | 0.1955AT | 1.9 | CN | 55 | 1.1 | 17-Sep | 34.0 | 18.9 | 74 | 31 | -- | -- | -- | -- | -- | |
| Viking | 0.2265 | 2.2 | CN | 63 | 1.0 | 18-Sep | 33.6 | 18.7 | *82 | 39 | 66 | 1.9 | 26-Sep | 34.5 | 18.5 | |
| Viking | 0.2620AT12 | 2.6 | CN | 60 | 1.1 | 26-Sep | 36.2 | 17.7 | 72 | 44 | -- | -- | -- | -- | -- | |
| | | | | Mean | 62 | 1.1 | 16-Sep | 34.0 | 18.9 | 75 | 44 | 66 | 1.7 | 25-Sep | 34.5 | 18.5 |
| | | | | LSD(0.10) | 7 | 0.3 | 6 | 0.9 | 0.5 | 6 | 5 | 8 | 0.7 | 3 | 0.5 | 0.3 |

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

¹ Herbicide Tolerance : CN = conventional herbicide, LL = Liberty herbicide, RR1/RR2 = glyphosate herbicide, STS = sulfonylurea herbicide.

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

Table 7. 2012 North Central Conventional and Traitied Herbicide Soybean Test: performance of public and commercial entries at Marshfield, Wisconsin (1 of 2).

| Originator/Brand | Entry | Maturity Group | Herbicide Tolerance ¹ | 2012 | | | | | 2011 | | | | |
|------------------|--------------|----------------|----------------------------------|--------------|---------------|-----------------|-------------|---------|--------------|---------------|-----------------|-------------|---------|
| | | | | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) |
| Blue River | 06F8 | 0.6 | CN | *45 | 1.0 | 8-Sep | 33.5 | 19.7 | 57 | 4.5 | 28-Sep | 35.3 | 18.2 |
| Blue River | 12A2 | 1.2 | CN | *48 | 1.0 | 17-Sep | 34.7 | 18.7 | -- | -- | -- | -- | -- |
| Blue River | 17C2 | 1.7 | CN | 42 | 1.0 | 21-Sep | 35.4 | 18.5 | -- | -- | -- | -- | -- |
| Channel | 1805R2 Brand | 1.8 | RR2 | *43 | 1.0 | 17-Sep | 35.5 | 18.7 | -- | -- | -- | -- | -- |
| G2 | 6092 | 0.9 | RR1 | *44 | 1.0 | 13-Sep | 34.7 | 19.6 | -- | -- | -- | -- | -- |
| Legacy | LS-0911RR2 | 1.0 | RR2 | *45 | 1.0 | 10-Sep | 34.8 | 19.0 | -- | -- | -- | -- | -- |
| Legacy | LS-142LL | 1.4 | LL | 42 | 1.0 | 21-Sep | 35.6 | 18.6 | -- | -- | -- | -- | -- |
| Legacy | LS-182LL | 1.8 | LL | 41 | 1.0 | 17-Sep | 35.5 | 18.5 | -- | -- | -- | -- | -- |
| Legacy | LS-202LL | 2.0 | LL | 40 | 1.0 | 21-Sep | 35.1 | 18.6 | -- | -- | -- | -- | -- |
| NuTech | 2088L | 0.8 | LL | *43 | 1.0 | 10-Sep | 34.8 | 19.8 | -- | -- | -- | -- | -- |
| NuTech | 3103L | 1.0 | LL | *43 | 1.0 | 13-Sep | 35.6 | 19.1 | -- | -- | -- | -- | -- |
| NuTech | 3153L | 1.5 | LL | *44 | 1.0 | 21-Sep | 36.4 | 18.3 | -- | -- | -- | -- | -- |
| NuTech | 3183L | 1.8 | LL | 42 | 1.0 | 17-Sep | 35.3 | 18.4 | -- | -- | -- | -- | -- |
| NuTech | 202 | 2.0 | CN | *43 | 1.0 | 21-Sep | 35.2 | 19.0 | -- | -- | -- | -- | -- |
| Pioneer | 91Y41 | 1.4 | RR1 | *44 | 1.0 | 13-Sep | 35.3 | 19.0 | -- | -- | -- | -- | -- |
| PIP | 142 LL | 1.4 | LL | *45 | 1.0 | 21-Sep | 35.6 | 18.7 | -- | -- | -- | -- | -- |
| Public | Ashtabula | 0.4 | CN | 39 | 1.0 | 8-Sep | 32.5 | 20.5 | 60 | 2.8 | 26-Sep | 33.7 | 19.2 |
| Public | Sheyenne | 0.8 | CN | *46 | 1.0 | 8-Sep | 33.2 | 19.8 | 67 | 2.5 | 28-Sep | 34.4 | 18.5 |
| Public | MN 1410 | 1.4 | CN | 42 | 1.0 | 13-Sep | 35.6 | 18.6 | 35 | 3.5 | 3-Oct | 35.5 | 18.3 |
| Public | IA 1006 | 1.6 | CN | 39 | 1.0 | 13-Sep | 34.6 | 18.7 | 58 | 3.8 | 6-Oct | 34.6 | 17.7 |
| Public | IA 1022 | 1.7 | CN | *44 | 1.0 | 17-Sep | 33.9 | 19.6 | 58 | 3.5 | 7-Oct | 34.2 | 18.4 |
| Tracy | 1113LL | 1.1 | LL | *43 | 1.0 | 13-Sep | 35.8 | 19.1 | -- | -- | -- | -- | -- |
| Tracy | 1413LL | 1.4 | LL | *46 | 1.0 | 17-Sep | 36.4 | 18.3 | -- | -- | -- | -- | -- |
| Tracy | 1813LL | 1.8 | LL | *43 | 1.0 | 17-Sep | 35.4 | 18.7 | -- | -- | -- | -- | -- |
| Trelay | 15RR51 | 1.5 | RR2 | *43 | 1.0 | 13-Sep | 35.1 | 18.9 | -- | -- | -- | -- | -- |

Table 7 continued. 2012 North Central Conventional and Traited Herbicide Soybean Test: performance of public and commercial entries at Marshfield, Wisconsin (2 of 2).

| Originator/Brand | Entry | Maturity | Herbicide | 2012 | | | | | 2011 | | | | | |
|------------------|----------|----------|------------------------|-----------------|------------------|--------------------|----------------|------------|-----------------|------------------|--------------------|----------------|------------|------|
| | | Group | Tolerance ¹ | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) | Yield (bu/A) | Lodging (1-5) | Maturity (date) | Protein (%) | Oil (%) | |
| Viking | Sheyenne | 0.8 | CN | *46 | 1.0 | 8-Sep | 32.9 | 19.9 | -- | -- | -- | -- | -- | |
| Viking | 0.1544AT | 1.4 | CN | 41 | 1.0 | 10-Sep | 36.0 | 18.3 | -- | -- | -- | -- | -- | |
| Viking | 1718N | 1.7 | CN | *43 | 1.0 | 21-Sep | 35.0 | 18.9 | 58 | 3.8 | 2-Oct | 35.5 | 17.3 | |
| | | | | Mean | 43 | 1.0 | 14-Sep | 35.0 | 19.0 | 62 | 2.9 | 2-Oct | 35.4 | 17.7 |
| | | | | LSD(0.10) | 5 | NS | - | 1.1 | 0.5 | 4 | 0.6 | - | 0.4 | 0.2 |

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

¹ Herbicide Tolerance : CN = conventional herbicide, LL = Liberty herbicide, RR1/RR2 = glyphosate herbicide, STS = sulfonylurea herbicide.

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

Table 8. 2012 Soybean White Mold Test: performance of commercial entries in white mold disease field environment at Arlington, Wisconsin.

| Originator/Brand | Entry | Maturity Group | 2012 | | | 2011 | | | |
|------------------|--------------|----------------|--------------|-----------------------------|---------------|--------------|----------------|------------------------|---------------|
| | | | Yield (bu/A) | White Mold ¹ (%) | Lodging (1-5) | Yield (bu/A) | White Mold (%) | Stand ² (%) | Lodging (1-5) |
| Channel | 1805R2 Brand | 1.8 | 49 | 0 | 1.0 | -- | -- | -- | -- |
| Croplan | R2C2120 | 2.1 | *53 | 0 | 1.0 | -- | -- | -- | -- |
| Dairyland | DSR-2411/R2Y | 2.4 | *53 | 0 | 1.0 | *75 | 4 | 83 | 1.0 |
| FS HiSOY | HS 20A22 | 1.9 | *50 | 0 | 1.0 | -- | -- | -- | -- |
| FS HiSOY | HS 21A02 | 2.1 | *50 | 0 | 1.0 | 69 | 6 | 68 | 1.0 |
| FS HiSOY | HS 22A21 | 2.2 | *51 | 0 | 1.0 | -- | -- | -- | -- |
| FS HiSOY | HS 24A01 | 2.4 | *54 | 0 | 1.0 | *74 | 8 | 93 | 1.0 |
| FS HiSOY | HS 24A12 | 2.4 | *51 | 0 | 1.0 | 69 | 9 | 68 | 1.0 |
| FS HiSOY | HS 25A22 | 2.5 | *51 | 0 | 1.0 | -- | -- | -- | -- |
| G2 | 6092 | 0.9 | 43 | 0 | 1.0 | -- | -- | -- | -- |
| Mark | MRK 2410 R2 | 2.4 | 48 | 0 | 1.0 | -- | -- | -- | -- |
| Pioneer | 90Y90 | 0.9 | 42 | 0 | 1.0 | 59 | 3 | 53 | 1.0 |
| Pioneer | 91M01 | 1.0 | 34 | 0 | 1.0 | 55 | 1 | 45 | 1.0 |
| Pioneer | 92Y51 | 2.5 | 46 | 0 | 1.0 | 63 | 5 | 48 | 1.0 |
| Renk | RS202NR2 | 2.0 | 45 | 0 | 1.0 | -- | -- | -- | -- |
| Trelay | 15RR51 | 1.5 | 44 | 0 | 1.0 | -- | -- | -- | -- |
| Mean | | | 48 | 0 | 1.0 | 68 | 6 | 66 | 1.1 |
| LSD(0.10) | | | 4 | NS | NS | 5 | 7 | 14 | 0.3 |

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

¹ White Mold data is expressed as a percent of diseased plants

² Stand data was collected on June 17, 2011 and is expressed as an estimate of percent plants in plot area which affected performance.

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

Table 9. 2012 Seed Source for Soybean Entries

| Brand Name | Company | Address | City | State | Zip Code | Phone Number | Website |
|------------|----------------------------------|-----------------------------------|-----------------|-------|----------|----------------|--|
| Asgrow | Monsanto Company | 800 N. Linbergh Blvd. | St. Louis | MO | 63137 | (815)754-4809 | www.asgrowanddekalb.com |
| Bio Gene | Van Treeck's Seed Farm | 6136 Stahl Road | Sheboygan Falls | WI | 53085 | (920) 467-2422 | -- |
| Blue River | Blue River Hybrids | 27087 Timber Road | Kelly | IA | 50134 | (800) 370-7979 | www.blueriverorgseed.com |
| Channel | Channel | 1525 Mc Allister Ct. | Sycamore | IL | 60178 | (314) 409-7466 | www.channel.com |
| Croplan | Winfield Solutions | W 14024 West Point Drive | Prairie Du Sac | WI | 53578 | (608) 516-4636 | www.answerplot.com |
| Dairyland | Dairyland Seed Company Inc. | PO Box 958, 3570 Hwy. H | West Bend | WI | 53095 | (800) 236-0163 | www.dairylandseed.com |
| Dyna-Gro | Dyna-Gro Seed | 519 Midland Court, Suite 2 | Janesville | WI | 53546 | (608) 752-2633 | www.dynagroseed.com |
| eMerge | Schillinger Genetics | 4401 Westown Parkway Suite 225 | West Des Moines | IA | 50266 | (515) 225-6164 | www.emergegenetics.com |
| FS Hisoy | Growmark Inc. | 1701 Towanda Ave. | Bloomington | IL | 61701 | (309) 557-6399 | www.fsseed.com |
| G2 | NuTech Seed LLC | 2321 North Loop Drive, Suites 230 | Ames | IA | 50010 | (515) 232-1997 | www.yieldleader.com |
| Hughes | Burrus Bros & Associated Growers | 206 N. Hughes Rd. | Woodstock | IL | 60098 | (815) 338-2480 | www.hugheshybrids.com |
| Jung | Jung Seed Genetics | 341 South High Street | Randolph | WI | 53956 | (920) 326-5891 | www.jungseedgenetics.com |
| Legacy | Legacy Seeds Inc. | 290 Depot Street P.O. Box 68 | Scandinavia | WI | 54977 | (715) 412-2588 | www.legacyseeds.com |
| Legend | Legend Seeds | PO Box 241 | De Smet | SD | 57231 | (715) 821-0907 | www.legendseeds.net |
| LG | LG Seeds | 22827 Shissler Road | Elmwood | IL | 61529 | (507) 301-5498 | www.lgseeds.com |
| Mark | Partners in Production, LLC | 200 DelMonte Road | Arlington | WI | 53911 | (608) 635-3825 | www.pipseeds.com |
| Mycogen | Mycogen Seeds | 1413 Jensen Road | Eau Claire | WI | 54701 | (715) 210-2788 | www.mycogen.com |
| NK Brand | Syngenta | W5323 Hall Rd | Poynette | WI | 53955 | (608) 635-5108 | www.nk.com |
| NuTech | NuTech Seed LLC | 2321 North Loop Drive, Suites 230 | Ames | IA | 50010 | (515) 232-1997 | www.yieldleader.com |
| O'Brien | O'Brien Farms, Inc. | 552 Glenway Rd. | Brooklyn | WI | 53521 | (608) 576-3685 | -- |
| Pioneer | DuPont Pioneer | 151 St. Andrews Court, Suite 910 | Mankato | MN | 56001 | (507) 625-3045 | www.pioneer.com |
| PIP | Partners in Production, LLC | 200 DelMonte Road | Arlington | WI | 53911 | (608) 635-3825 | www.pipseeds.com |
| Power Plus | Burrus Bros & Associated Growers | 206 N. Hughes Rd. | Woodstock | IL | 60098 | (815) 338-2480 | www.hugheshybrids.com |
| Public | WCIA / Foundation Seeds | 1575 Linden Drive | Madison | WI | 53706 | (608) 262-1341 | wcia.wisc.edu |
| Renk | Renk Seed | 6809 Wilburn Rd. | Sun Prairie | WI | 53590 | (608) 837-7351 | www.renkseed.com |
| Steyer | Partners in Production, LLC | 200 DelMonte Road | Arlington | WI | 53911 | (608) 635-3825 | www.pipseeds.com |
| Tracy | Tracy Seeds, LLC | 1805 S State Road 140 | Janesville | WI | 53546 | (608) 752-2767 | www.tracyseeds.com |
| Trelay | Trelay Seeds | 11623 Hwy 80 | Livingston | WI | 53554 | (800) 421-0397 | www.trelay.com |
| Viking | Albert Lea Seed | 1414 W. Main, PO Box 127 | Albert Lea | MN | 56007 | (800) 352-5247 | www.alseed.com |

Table 10. 2012 Temperature and Precipitation Summary

| | Average Mean Temperature (°F) | | | | | Total Precipitation (in) | | | | | | |
|--------------------------------|-------------------------------|------|------|--------|-----------|--------------------------|---------------|------|------|--------|-----------|------|
| | May | June | July | August | September | | May | June | July | August | September | |
| Arlington | Average °F | 59.0 | 67.7 | 75.8 | 66.9 | 57.7 | Precipitation | 2.9 | 0.3 | 2.2 | 2.9 | 1.0 |
| | Departure | 3.3 | 2.1 | 6.4 | -0.4 | -1.6 | Departure | -0.8 | -4.4 | -2.0 | -1.0 | -2.5 |
| Chippewa Falls (Eau Claire) | Average °F | 61.6 | 69.3 | 76.9 | 69.1 | 59.5 | Precipitation | 4.6 | 3.7 | 1.6 | 2.1 | 1.0 |
| | Departure | 4.0 | 2.4 | 5.3 | -0.2 | -0.7 | Departure | 1.1 | -0.4 | -2.3 | -2.4 | -2.7 |
| Fond du Lac | Average °F | 59.3 | 69.2 | 76.6 | 68.9 | 58.7 | Precipitation | 4.9 | 1.2 | 3.5 | 2.1 | 0.7 |
| | Departure | 3.0 | 3.2 | 6.2 | 0.3 | -2.0 | Departure | 1.7 | -2.8 | 0.0 | -1.5 | -2.7 |
| Galesville (Trempealeau) | Average °F | 64.4 | 71.5 | 78.9 | 71.3 | 62.3 | Precipitation | 4.7 | 2.0 | 2.2 | 2.9 | 1.1 |
| | Departure | 5.1 | 3.0 | 6.2 | 0.8 | 0.2 | Departure | 1.0 | -1.8 | -2.2 | -1.6 | -2.6 |
| Hancock ¹ | Average °F | 61.8 | 68.6 | 77.2 | 69.4 | 59.1 | Precipitation | 6.0 | 1.9 | 0.6 | 1.9 | 1.1 |
| | Departure | 5.0 | 2.1 | 6.9 | 1.1 | -0.9 | Departure | 2.3 | -2.7 | -3.8 | -2.3 | -2.3 |
| Janesville (Beloit) | Average °F | 63.5 | 69.6 | 78.5 | 70.4 | 61.7 | Precipitation | 0.7 | 1.2 | 2.2 | 2.8 | 2.2 |
| | Departure | 4.8 | 1.0 | 6.0 | -0.4 | -1.2 | Departure | -3.1 | -3.5 | -1.6 | -1.5 | -1.5 |
| Lancaster | Average °F | 64.4 | 70.7 | 79.0 | 71.0 | 61.4 | Precipitation | 3.9 | 1.5 | 2.3 | 1.5 | 3.2 |
| | Departure | 7.1 | 3.8 | 8.2 | 2.0 | 0.6 | Departure | -0.2 | -3.8 | -2.1 | -2.7 | 0.1 |
| Marshfield | Average °F | 59.4 | 67.1 | 74.7 | 67.5 | 57.9 | Precipitation | 3.8 | 3.6 | 1.4 | 4.1 | 1.7 |
| | Departure | 3.3 | 1.3 | 4.6 | -0.6 | -1.2 | Departure | 0.2 | -0.9 | -2.6 | -0.2 | -2.2 |
| Seymour (Green Bay) | Average °F | 61.1 | 70.4 | 76.1 | 68.5 | 58.4 | Precipitation | 3.4 | 1.7 | 6.0 | 3.7 | 1.1 |
| | Departure | 4.9 | 4.9 | 6.3 | 0.0 | -1.4 | Departure | 0.5 | -2.2 | 2.5 | 0.3 | -2.0 |
| Spooner ¹ | Average °F | 59.9 | 66.3 | 74.4 | 67.6 | 57.7 | Precipitation | 6.5 | 5.6 | 3.2 | 1.1 | 1.1 |
| | Departure | 4.2 | 1.4 | 5.1 | 0.3 | -0.6 | Departure | 3.0 | 1.5 | -0.9 | -3.1 | -2.7 |
| | | | | | | Irrigation | -- | -- | 1.5 | 2.3 | -- | |

¹Irrigation applied at Hancock and Spooner (irrigated sand trials).

Source: Wisconsin State Climatology Office; Long term normals from 1981 to 2010 used for departure data.

Table 11. 2012 Characteristics of Soybean Varieties (1 of 8).

| Originator/ Brand | Entry | Maturity Group | Herbicide Tolerance ¹ | Performance Shown in: | Seed treatment | SCN Source ² | PRR Genes ³ | Color ⁴ | | | |
|----------------------|--------------|-------------------|-------------------------------------|--------------------------|-------------------------|-------------------------|------------------------|--------------------|------------|-----|-------|
| | | | | | | | | Flower | Pubescence | Pod | Hilum |
| Asgrow | AG 0832 | 0.8 | RR2 | Table 5 | Acceleron, PonchoVOTiVO | -- | Rps 3-a | P | LTW | T | BR |
| Asgrow | AG 0833 | 0.8 | RR2 | Table 5 | Acceleron, PonchoVOTiVO | -- | Rps 3-a | P | TW | T | B |
| Asgrow | AG 1031 | 1.0 | RR2 | Table 5 | Acceleron, PonchoVOTiVO | -- | Rps 3-a | P | LTW | T | B |
| Asgrow | AG 1233 | 1.2 | RR2 | Tables 4,5 | Acceleron, PonchoVOTiVO | -- | Rps 1-c | P | LTW | T | B |
| Asgrow | AG 1431 | 1.4 | RR2 | Tables 4,5 | Acceleron, PonchoVOTiVO | PI 88788 | Rps 1-c | P | LTW | BR | B |
| Asgrow | AG 1631 | 1.6 | RR2 | Table 4 | Acceleron, PonchoVOTiVO | -- | Rps 1-c | P | G | BR | IB |
| Asgrow | AG 1733 | 1.7 | RR2 | Table 4 | Acceleron, PonchoVOTiVO | PI 88788 | Rps 1-c | P | G | BR | IB |
| Asgrow | AG 1832 | 1.8 | RR2 | Table 3 | Acceleron, PonchoVOTiVO | -- | Rps 1-k | W | G | BR | BF |
| Asgrow | AG 1931 | 1.9 | RR2 | Table 3 | Acceleron, PonchoVOTiVO | PI 88788 | Rps 1-k | W | G | BR | BF |
| Asgrow | AG 2031 | 2.0 | RR2 | Tables 2,3 | Acceleron, PonchoVOTiVO | PI 88788 | Rps 1-c | P | G | BR | IB |
| Asgrow | AG 2232 | 2.2 | RR2 | Tables 2,3 | Acceleron, PonchoVOTiVO | PI 88788 | Rps 1-c | P | LTW | BR | B |
| Asgrow | AG 2431 | 2.4 | RR2 | Tables 2,3 | Acceleron, PonchoVOTiVO | -- | Rps 1-c | P | G | BR | BF |
| Asgrow | AG 2433 | 2.4 | RR2 | Tables 2,3 | Acceleron, PonchoVOTiVO | -- | Rps 1-c | P | TW | T | B |
| Asgrow | AG 2531 | 2.5 | RR2 | Table 2 | Acceleron, PonchoVOTiVO | -- | Rps 1-c | P | LTW | BR | B |
| Asgrow | AG 2733 | 2.7 | RR2 | Table 2 | Acceleron, PonchoVOTiVO | PI 88788 | Rps 1-c | P | LTW | BR | B |
| Bio Gene | BG1300R2Y | 1.3 | RR2 | Table 5 | Acceleron | -- | -- | -- | -- | -- | -- |
| Bio Gene | BG7140RR2Y | 1.4 | RR2 | Table 4 | Acceleron | -- | Rps 1-c | P | LTW | BR | B |
| Bio Gene | BG7200R2Y | 1.9 | RR2 | Table 3 | Acceleron | -- | -- | -- | -- | -- | -- |
| Blue River | 06F8 | 0.6 | CN | Table 7 | None | -- | -- | -- | -- | -- | -- |
| Blue River | 12A2 | 1.2 | CN | Table 7 | None | -- | -- | -- | -- | -- | -- |
| Blue River | 17C2 | 1.7 | CN | Table 7 | None | -- | -- | -- | -- | -- | -- |
| Blue River | 2A12 | 2.1 | CN | Table 6 | None | -- | -- | -- | -- | -- | -- |
| Blue River | 23C2 | 2.3 | CN | Table 6 | None | -- | -- | -- | -- | -- | -- |
| Blue River | 2A71 | 2.7 | CN | Table 6 | None | S | -- | P | G | BR | B |
| Channel | 1405R2 Brand | 1.4 | RR2 | Table 4 | Acceleron, PonchoVOTiVO | PI 88788 | Rps 1-c | P | LTW | BR | B |
| Channel | 1805R2 Brand | 1.8 | RR2 | Tables 4,7,8 | Acceleron, PonchoVOTiVO | PI 88788 | Rps 1-c | P | LTW | BR | B |
| Channel | 2105R2 Brand | 2.1 | RR2 | Tables 2,3 | Acceleron, PonchoVOTiVO | PI 88788 | Rps 1-c | P | LTW | BR | B |

All characteristic information is provided by the originator. ¹ Herbicide Tolerance: CN = conventional herbicide, LL = Liberty herbicide, RR1/RR2 = glyphosate herbicide, STS = sulfonylurea herbicide. ² Source of SCN Resistance; S = Susceptible.

³ PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴ 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.

Table 11 continued. 2012 Characteristics of Soybean Varieties (2 of 8).

| Originator/ Brand | Entry | Maturity Group | Herbicide Tolerance ¹ | Performance Shown in: | Seed treatment | SCN Source ² | PRR Genes ³ | Color ⁴ | | | |
|----------------------|--------------|-------------------|-------------------------------------|--------------------------|---------------------------------------|-------------------------|------------------------|--------------------|------------|------|-------|
| | | | | | | | | Flower | Pubescence | Pod | Hilum |
| Channel | 2402R2 Brand | 2.4 | RR2 | Table 2 | Acceleron, PonchoVOTiVO | S | Rps 1-c | P | G | BR | BF |
| Channel | 2605R2 Brand | 2.6 | RR2 | Table 2 | Acceleron, PonchoVOTiVO | PI 88788 | Rps 1-c | P | G | BR | IB |
| Croplan | R2T0860 | 0.8 | RR2 | Table 5 | CruiserMaxx Plus | -- | Rps 3-a | P | TW | BR | BR |
| Croplan | R2T1391 | 1.3 | RR2 | Table 5 | CruiserMaxx Plus | -- | Rps 1-k | P | TW | T | B |
| Croplan | R2T1470 | 1.4 | RR2 | Table 5 | CruiserMaxx Plus | -- | Rps 1-c | P | LTW | BR | B |
| Croplan | R2C1531 | 1.5 | RR2 | Tables 3,4 | CruiserMaxx Plus | PI 88788 | Rps 1-c | P | G | BR | IB |
| Croplan | R2C1671 | 1.6 | RR2 | Tables 3,4 | CruiserMaxx Plus | PI 88788 | Rps 1-c seg. | P | G | BR | IB |
| Croplan | R2C1770 | 1.7 | RR2 | Tables 3,4 | CruiserMaxx Plus | PI 88788 | Rps 1-k | P | G | T | IB |
| Croplan | R2C1869 | 1.8 | RR2 | Tables 3,4 | CruiserMaxx Plus | PI 88788 | Rps 1-k | P | G | BR/T | IB |
| Croplan | R2C2070 | 2.0 | RR2 | Tables 2,3,4 | CruiserMaxx Plus | PI 88788 | Rps 1-k/1c | P | LTW | BR | B |
| Croplan | R2C2120 | 2.1 | RR2 | Tables 2,3,4,6,8 | CruiserMaxx Plus | PI 88788 | Rps 1-k | P | G | T | IB |
| Croplan | R2C2132 | 2.1 | RR2 | Table 2 | CruiserMaxx Plus | PI 88788 | Rps 1-c | W | LTW | BR | B |
| Croplan | R2T2440 | 2.4 | RR2 | Table 2 | CruiserMaxx Plus | -- | Rps 1-c | P | G | BR | BF |
| Croplan | R2C2451 | 2.4 | RR2 | Table 2 | CruiserMaxx Plus | PI 88788 | Rps 3-a | W | LTW | T | BR |
| Croplan | R2C2721 | 2.7 | RR2 | Table 2 | CruiserMaxx Plus | PI 88788 | Rps 1-c | P | G | BR | IB |
| Dairyland | DSR-0606/R2Y | 0.6 | RR2 | Table 5 | CruiserMaxx | -- | Rps 1-c | P | LTW | BR | B |
| Dairyland | DSR-0747/R2Y | 0.7 | RR2 | Tables 4,5 | CruiserMaxx | -- | Rps 1-c | P | G | BR | IB |
| Dairyland | DSR-0904/R2Y | 0.8 | RR2 | Tables 4,5 | CruiserMaxx | PI 88788 | Rps 3-a | P | LTW | BR | B |
| Dairyland | DSR-1215/R2Y | 1.2 | RR2 | Tables 3,4 | CruiserMaxx | -- | Rps 1-c | P | LTW | BR | B |
| Dairyland | DSR-1370/R2Y | 1.3 | RR2 | Tables 2,3,4 | CruiserMaxx | -- | Rps 1-c | P | LTW | BR | B |
| Dairyland | DSR-1710/R2Y | 1.7 | RR2 | Tables 2,3,4 | CruiserMaxx | PI 88788 | Rps 1-c | P | G | BR | IB |
| Dairyland | DSR-1808/R2Y | 1.8 | RR2 | Tables 2,3,4 | CruiserMaxx | PI 88788 | Rps 1-c | P | G | BR | IB |
| Dairyland | DSR-2105/R2Y | 2.1 | RR2 | Tables 2,3 | CruiserMaxx | PI 88788 | Rps 1-k | P | G | T | IB |
| Dairyland | DSR-2190/R2Y | 2.1 | RR2 | Tables 2,3 | CruiserMaxx | PI 88788 | -- | P | G | T | IB |
| Dairyland | DSR-2411/R2Y | 2.4 | RR2 | Tables 2,3,6,8 | CruiserMaxx | -- | Rps 1-c | P | G | BR | BF |
| Dairyland | DSR-2677/R2Y | 2.7 | RR2 | Table 2 | CruiserMaxx | PI 88788 | Rps 1-k | W | LTW | BR | B |
| Dyna-Gro | S13RY83 | 1.3 | RR2 | Table 4 | Acceleron, Dyna-Shield Imidacloprid 5 | PI 88788 | Rps 1-k | W | LTW | T | BR |

All characteristic information is provided by the originator. ¹Herbicide Tolerance: CN = conventional herbicide, LL = Liberty herbicide, RR1/RR2 = glyphosate herbicide, STS = sulfonylurea herbicide. ²Source of SCN Resistance; S = Susceptible.

³PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴B= 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.

Table 11 continued. 2012 Characteristics of Soybean Varieties (3 of 8).

| Originator/ Brand | Entry | Maturity Group | Herbicide Tolerance ¹ | Performance Shown in: | Seed treatment | SCN Source ² | PRR Genes ³ | Color ⁴ | | | |
|----------------------|----------|-------------------|-------------------------------------|--------------------------|---------------------------------------|-------------------------|------------------------|--------------------|------------|-----|-------|
| | | | | | | | | Flower | Pubescence | Pod | Hilum |
| Dyna-Gro | S15RY53 | 1.5 | RR2 | Table 4 | Acceleron, Dyna-Shield Imidacloprid 5 | PI 88788 | Rps 1-c | P | LTW | BR | B |
| Dyna-Gro | 34RY17 | 1.7 | RR2 | Table 3 | Acceleron, Dyna-Shield Imidacloprid 5 | PI 88788 | Rps 1-k | P | G | T | IB |
| Dyna-Gro | S18RY33 | 1.8 | RR2 | Table 3 | Acceleron, Dyna-Shield Imidacloprid 5 | PI 88788 | Rps 1-c | P | G | BR | IB |
| Dyna-Gro | 38B21 | 2.1 | RR1 | Tables 2,3 | Acceleron, Dyna-Shield Imidacloprid 5 | S | S | W | LTW | BR | B |
| Dyna-Gro | 39RY25 | 2.5 | RR2 | Table 2 | Acceleron, Dyna-Shield Imidacloprid 5 | S | Rps 1-c | P | G | BR | BF |
| Dyna-Gro | S27RY03 | 2.7 | RR2 | Table 2 | Acceleron, Dyna-Shield Imidacloprid 5 | PI 88788 | Rps 1-k | W | LTW | BR | B |
| eMerge | e2062 | 2.0 | CN | Table 6 | CruiserMaxx | PI 88788 | Rps 1-c | P | G | T | Y |
| eMerge | e2162 | 2.1 | CN | Table 6 | CruiserMaxx | PI 88788 | Rps 1-c | W | G | T | Y |
| eMerge | XC2282 | 2.2 | CN | Table 6 | CruiserMaxx | PI 88788 | Rps 1-k | P | G | T | BF |
| FS HiSOY | HS 20A22 | 1.9 | RR2 | Tables 2,3,8 | CruiserMaxx | PI 88789 | Rps 1-c | P | G | BR | IB |
| FS HiSOY | HS 21A02 | 2.1 | RR2 | Tables 2,3,8 | CruiserMaxx | PI 88788 | Rps 1-c | P | LTW | BR | B |
| FS HiSOY | HS 22A21 | 2.2 | RR2 | Tables 2,3,8 | CruiserMaxx | -- | Rps 1-k | P | LTW | BR | IB |
| FS HiSOY | HS 24A01 | 2.4 | RR2 | Tables 2,3,6,8 | CruiserMaxx | S | Rps 1-c | P | G | BR | BF |
| FS HiSOY | HS 24A12 | 2.4 | RR2 | Tables 2,3,8 | CruiserMaxx | PI 88788 | Rps 1-c | P | TW | T | B |
| FS HiSOY | HS 25A22 | 2.5 | RR2 | Tables 2,8 | CruiserMaxx | PI 88789 | Rps 1-c | W | G | BR | IB |
| G2 | 6088 | 0.8 | RR1 | Table 4 | SmartCote Extra | PI 88788 | none | W | LTW | BR | BR |
| G2 | 6092 | 0.9 | RR1 | Tables 4,7,8 | SmartCote Extra | S | Rps 1-k | P | TW | BR | BR |
| G2 | 6098 | 0.9 | RR1 | Table 4 | SmartCote Extra | S | Rps 1-k | P | TW | T | B |
| G2 | 6143 | 1.4 | RR1 | Table 4 | SmartCote Extra | S | Rps 1-c | P | LTW | BR | BR |
| G2 | 6162 | 1.6 | RR1 | Tables 3,4 | SmartCote Extra | S | Rps 1-c | P | G | BR | BF |
| G2 | 7183 | 1.8 | RR1 | Tables 3,4 | SmartCote Extra | PI 88788 | Rps 1-c | P | LTW | BR | BR |
| G2 | 7186 | 1.8 | RR1 | Tables 3,4 | SmartCote Extra | Peking | Rps 1-k | P | TW | BR | B |
| G2 | 1191 | 1.9 | RR1 | Table 3 | SmartCote Extra | -- | -- | -- | -- | -- | -- |
| G2 | 7203 | 2.0 | RR1 | Table 3 | SmartCote Extra | PI 88788 | Rps 1-a | P | LTW | BR | B |
| G2 | 7208 | 2.0 | RR1 | Table 3 | SmartCote Extra | PI 88788 | Rps 1-c | M | TW | BR | B |
| G2 | 7213 | 2.1 | RR1 | Table 3 | SmartCote Extra | PI 88788 | Rps 1-c | P | LTW | BR | B |
| G2 | 7230 | 2.3 | RR1 | Tables 2,3 | SmartCote Extra | PI 88788 | Rps 1-c | W | LTW | BR | B |

All characteristic information is provided by the originator. ¹ Herbicide Tolerance: CN = conventional herbicide, LL = Liberty herbicide, RR1/RR2 = glyphosate herbicide, STS = sulfonylurea herbicide. ² Source of SCN Resistance; S = Susceptible.

³ PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴ 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.

Table 11 continued. 2012 Characteristics of Soybean Varieties (4 of 8).

| Originator/ Brand | Entry | Maturity Group | Herbicide Tolerance ¹ | Performance Shown in: | Seed treatment | SCN Source ² | PRR Genes ³ | Color ⁴ | | | |
|----------------------|-------------|-------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------|------------------------|--------------------|------------|-----|-------|
| | | | | | | | | Flower | Pubescence | Pod | Hilum |
| G2 | 7243 | 2.4 | RR1 | Tables 2,3 | SmartCote Extra | PI 88788 | Rps 1-k | W | LTW | T | BR |
| G2 | 7250 | 2.5 | RR1 | Tables 2,3 | SmartCote Extra | Peking | Rps 1-k | P | G | BR | BF |
| G2 | 1272 | 2.7 | RR1 | Table 2 | SmartCote Extra | -- | -- | -- | -- | -- | -- |
| G2 | 7270 | 2.7 | RR1 | Table 2 | SmartCote Extra | PI 88788 | Rps 1-k | P | LTW | T | B |
| G2 | 7273 | 2.7 | RR1 | Table 2 | SmartCote Extra | PI 88788 | Rps 1-k | P | G | T | IB |
| G2 | 7286 | 2.8 | RR1 | Table 2 | SmartCote Extra | PI 88788 | Rps 1-c | W | LTW | BR | B |
| G2 | 7290 | 2.9 | RR1 | Table 2 | SmartCote Extra | PI 88788 | Rps 1-k | P | LTW | BR | B |
| Hughes | 201 RR | 2.0 | RR1 | Table 2 | CruiserMaxx Pak | S | -- | W | LTW | BR | B |
| Hughes | 454 RR | 2.4 | RR1 | Table 2 | CruiserMaxx Pak | S | -- | W | LTW | BR | B |
| Hughes | 555 RR | 2.5 | RR1 | Table 2 | CruiserMaxx Pak | PI 88788 | Rps 1-k | W | TW | BR | B |
| Hughes | 777 RR | 2.7 | RR1 | Table 2 | CruiserMaxx Pak | PI 88788 | Rps 1-k | W | LTW | BR | B |
| Jung | 1146RR2 | 1.4 | RR2 | Table 4 | Acceleron (Fungicide + Insecticide) | -- | -- | -- | -- | -- | -- |
| Jung | 1152RR2 | 1.5 | RR2 | Table 4 | Acceleron (Fungicide + Insecticide) | -- | -- | -- | -- | -- | -- |
| Jung | 1170RR2 | 1.7 | RR2 | Tables 3,4 | Acceleron (Fungicide + Insecticide) | -- | -- | -- | -- | -- | -- |
| Jung | 1201RR2 | 2.0 | RR2 | Table 3 | Acceleron (Fungicide + Insecticide) | -- | -- | -- | -- | -- | -- |
| Jung | 1212RR2 | 2.1 | RR2 | Table 3 | Acceleron (Fungicide + Insecticide) | -- | -- | -- | -- | -- | -- |
| Jung | 1225RR2 | 2.2 | RR2 | Tables 2,3 | Acceleron (Fungicide + Insecticide) | -- | Rps 1-c | P | G | BR | IB |
| Jung | 1232RR2 | 2.3 | RR2 | Table 2 | Acceleron (Fungicide + Insecticide) | -- | -- | -- | -- | -- | -- |
| Legacy | LS-0611RR2 | 0.6 | RR2 | Tables 4,5 | L Coat Plus | -- | -- | -- | -- | -- | -- |
| Legacy | LS-0710RR2 | 0.7 | RR2 | Tables 4,5 | L Coat Plus | -- | -- | -- | -- | -- | -- |
| Legacy | LS-0911RR2 | 1.0 | RR2 | Tables 4,7 | L Coat Plus | -- | -- | -- | -- | -- | -- |
| Legacy | LS-1321RR2 | 1.3 | RR2 | Table 4 | Rancona, Senator | -- | -- | -- | -- | -- | -- |
| Legacy | LS-142LL | 1.4 | LL | Table 7 | L Coat Plus | -- | -- | -- | -- | -- | -- |
| Legacy | LS-1531RR2 | 1.5 | RR2 | Table 4 | L Coat Plus | -- | -- | -- | -- | -- | -- |
| Legacy | LS-1710RR2 | 1.7 | RR2 | Tables 3,4 | L Coat Plus | PI 88788 | -- | P | G | T | B |
| Legacy | LS-182LL | 1.8 | LL | Table 7 | L Coat Plus | -- | -- | -- | -- | -- | -- |
| Legacy | LS-1942NRR2 | 1.9 | RR2 | Tables 3,4 | L Coat Plus | -- | -- | -- | -- | -- | -- |

All characteristic information is provided by the originator. ¹Herbicide Tolerance: CN = conventional herbicide, LL = Liberty herbicide, RR1/RR2 = glyphosate herbicide, STS = sulfonylurea herbicide. ²Source of SCN Resistance; S=Susceptible.

³PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴B= 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.

Table 11 continued. 2012 Characteristics of Soybean Varieties (5 of 8).

| Originator/ Brand | Entry | Maturity Group | Herbicide Tolerance ¹ | Performance Shown in: | Seed treatment | SCN Source ² | PRR Genes ³ | Color ⁴ | | | |
|----------------------|--------------|-------------------|-------------------------------------|--------------------------|------------------|-------------------------|------------------------|--------------------|------------|-----|-------|
| | | | | | | | | Flower | Pubescence | Pod | Hilum |
| Legacy | LS-2012NRR2 | 2.0 | RR2 | Table 3 | CruiserMaxx | -- | -- | -- | -- | -- | -- |
| Legacy | LS-202LL | 2.0 | LL | Table 7 | L Coat Plus | -- | -- | -- | -- | -- | -- |
| Legacy | LS-2412NRR2 | 2.4 | RR2 | Table 2 | Rancona, Senator | -- | -- | -- | -- | -- | -- |
| Legacy | LS-2812NRR2 | 2.8 | RR2 | Table 2 | Rancona, Senator | -- | -- | -- | -- | -- | -- |
| Legend | 08R22N | 0.8 | RR2 | Table 4 | CruiserMaxx | -- | -- | -- | -- | -- | -- |
| Legend | 15R22N | 1.5 | RR2 | Table 4 | CruiserMaxx | -- | -- | -- | -- | -- | -- |
| Legend | 17R20N | 1.7 | RR2 | Tables 3,4 | CruiserMaxx | -- | -- | -- | -- | -- | -- |
| Legend | 20R20N | 2.0 | RR2 | Table 3 | CruiserMaxx | -- | -- | -- | -- | -- | -- |
| Legend | 23R22N | 2.3 | RR2 | Table 3 | CruiserMaxx | -- | -- | -- | -- | -- | -- |
| LG | C1530R2 | 1.5 | RR2 | Table 4 | Acceleron | PI 88788 | Rps 1-c | P | G | BR | IB |
| LG | C1917R2 | 1.9 | RR2 | Table 3 | Acceleron | PI 88788 | Rps 1-c | P | LTW | BR | B |
| LG | C2050R2 | 2.0 | RR2 | Table 3 | Acceleron | PI 88788 | Rps 1-k | W | G | BR | BF |
| Mark | MRK 2410 R2 | 2.4 | RR2 | Tables 2,3,8 | CruiserMaxx | -- | -- | -- | -- | -- | -- |
| Mycogen | 5N090R2 | 0.9 | RR2 | Table 5 | CruiserMaxx | PI 88788 | Rps 1-k | P | LTW | T | BR |
| Mycogen | 5N110R2 | 1.1 | RR2 | Table 4 | CruiserMaxx | PI 88788 | Rps 1-c | P | G | BR | IB |
| Mycogen | 5N130R2 | 1.3 | RR2 | Table 4 | CruiserMaxx | PI 88788 | Rps 1-c | P | LTW | BR | B |
| Mycogen | 5N155R2 | 1.5 | RR2 | Table 3 | CruiserMaxx | PI 88788 | Rps 1-c | P | G | BR | IB |
| Mycogen | 5N180R2 | 1.8 | RR2 | Table 3 | CruiserMaxx | PI 88788 | Rps 1-c | P | G | BR | IB |
| Mycogen | 5N205R2 | 2.0 | RR2 | Table 3 | CruiserMaxx | PI 88788 | Rps 1-c | P | LTW | BR | B |
| Mycogen | 5N210R2 | 2.1 | RR2 | Table 2 | CruiserMaxx | PI 88788 | Rps 1-c | P | G | T | IB |
| Mycogen | 5N234R2 | 2.3 | RR2 | Table 2 | CruiserMaxx | -- | Rps 1-k | P | G | T | IB |
| Mycogen | 5N254R2 | 2.5 | RR2 | Table 2 | CruiserMaxx | -- | Rps 3-a | W | LTW | T | BR |
| NK Brand | S08-G1 Brand | 0.8 | RR2 | Table 5 | CruiserMaxx | -- | Rps 3-a | P | TW | BR | BR |
| NK Brand | S10-G7 Brand | 1.0 | RR2 | Table 5 | CruiserMaxx | -- | Rps 1-k | P | LTW | T | BR |
| NK Brand | S12-L5 Brand | 1.2 | RR2 | Table 4 | CruiserMaxx | -- | Rps 3-a | P | G | T | IB |
| NK Brand | S15-L5 Brand | 1.5 | RR1 | Table 4 | CruiserMaxx | Peking | Rps 1-c | P | G | T | IB |
| NK Brand | S18-C2 Brand | 1.8 | RR2 | Tables 3,4 | CruiserMaxx | PI 88788 | -- | P | LTW | T | B |

All characteristic information is provided by the originator. ¹Herbicide Tolerance: CN = conventional herbicide, LL = Liberty herbicide, RR1/RR2 = glyphosate herbicide, STS = sulfonylurea herbicide. ²Source of SCN Resistance; S = Susceptible.

³PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴B= Black, BF= Buff, BR= Brown, G= Gray, IB= Imperfect Black, LTW= Light Tawny, M= Mixed, P= Purple, TW= Tawny, W= White, Y= Yellow.

Table 11 continued. 2012 Characteristics of Soybean Varieties (6 of 8).

| Originator/ Brand | Entry | Maturity Group | Herbicide Tolerance ¹ | Performance Shown in: | Seed treatment | SCN Source ² | PRR Genes ³ | Color ⁴ | | | |
|----------------------|--------------|-------------------|-------------------------------------|--------------------------|--|-------------------------|------------------------|--------------------|------------|-----|-------|
| | | | | | | | | Flower | Pubescence | Pod | Hilum |
| NK Brand | S20-Y2 Brand | 2.0 | RR2 | Tables 2,3 | CruiserMaxx | PI 88788 | Rps 1-k | P | LTW | BR | B |
| NK Brand | S23-P8 Brand | 2.3 | RR2 | Tables 2,3 | CruiserMaxx | PI 88788 | Rps 1-k | P | G | T | IB |
| NK Brand | S24-K2 Brand | 2.4 | RR2 | Tables 2,3 | CruiserMaxx | -- | Rps 1-c | W | G | BR | BF |
| NK Brand | S25-T8 Brand | 2.5 | RR1 | Table 2 | CruiserMaxx | PI 88788 | -- | W | LTW | BR | B |
| NK Brand | S27-H6 Brand | 2.7 | RR1 | Table 2 | CruiserMaxx | PI 88788 | Rps 1-a | W | LTW | BR | B |
| NuTech | 202 | 2.0 | CN | Table 7 | None | S | -- | W | LTW | T | BR |
| NuTech | 242CN | 2.4 | CN | Table 6 | None | PI 88788 | -- | P | LTW | BR | -- |
| NuTech | 270CN | 2.7 | CN | Table 6 | None | PI 88788 | Rps 1-a | P | LTW | T | BR |
| NuTech | 2088L | 0.8 | LL | Table 7 | None | S | Rps 1-k | P | G | T | IB |
| NuTech | 3103L | 1.0 | LL | Table 7 | None | PI 88788 | Rps 1-k | P | TW | BR | B |
| NuTech | 3153L | 1.5 | LL | Table 7 | None | PI 88788 | Rps 1-c | W | LTW | BR | B |
| NuTech | 3183L | 1.8 | LL | Table 7 | None | PI 88788 | Rps 1-k | P | LTW | BR | B |
| NuTech | 3223L | 2.2 | LL | Table 6 | None | PI 88788 | Rps 1-k | W | LTW | T | BR |
| NuTech | 3243L | 2.4 | LL | Table 6 | None | PI 88788 | Rps 1-k | P | LTW | T | BR |
| NuTech | 3248L | 2.6 | LL | Table 6 | None | PI 88788 | Rps 1-k | P | G | BR | IB |
| NuTech | 3273L | 2.7 | LL | Table 6 | None | PI 88788 | Rps 1-k | P | G | T | IB |
| O'Brien | O'SOY170RR | 1.7 | RR1 | Tables 2,3 | CruiserMaxx, Bio-Forge | -- | Rps 1-k | P | TW | T | B |
| O'Brien | O'SOY190R2Y | 1.9 | RR2 | Tables 2,3 | CruiserMaxx, Bio-Forge | PI 88788 | -- | P | TW | BR | B |
| O'Brien | O'SOY250RR | 2.5 | RR1 | Table 2 | CruiserMaxx, Bio-Forge | -- | -- | W | LTW | BR | B |
| Pioneer | 90Y90 | 0.9 | RR1 | Tables 4,5,8 | Gaucho, Apron, Trilex, PPST 2030, PPST 120 | -- | Rps 1-c | P | LTW | BR | BR |
| Pioneer | 91M01 | 1.0 | RR1 | Table 8 | Gaucho, Apron, Trilex, PPST 2030, PPST 120 | -- | Rps 1-k | P | TW | BR | BR |
| Pioneer | 91Y01 | 1.0 | RR1 | Table 5 | Gaucho, Apron, Trilex, PPST 2030, PPST 120 | -- | -- | -- | -- | -- | -- |
| Pioneer | 91Y10 | 1.1 | RR1 | Table 4 | Gaucho, Apron, Trilex, PPST 2030, PPST 120 | -- | -- | -- | -- | -- | -- |
| Pioneer | 91Y30 | 1.3 | RR1 | Table 4 | Gaucho, Apron, Trilex, PPST 2030, PPST 120 | -- | -- | -- | -- | -- | -- |
| Pioneer | 91Y41 | 1.4 | RR1 | Tables 4,7 | Gaucho, Apron, Trilex, PPST 2030, PPST 120 | PI 88788 | Rps 1-c | P | LTW | BR | BR |
| Pioneer | 91Y74 | 1.7 | RR1 | Table 4 | Gaucho, Apron, Trilex, PPST 2030, PPST 120 | -- | -- | -- | -- | -- | -- |
| Pioneer | 92Y12 | 2.1 | RR1 | Table 3 | Gaucho, Apron, Trilex, PPST 2030, PPST 120 | -- | Rps 1-k | P | LTW | T | B |

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³ PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴ 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.

Table 11 continued. 2012 Characteristics of Soybean Varieties (7 of 8).

| Originator/ Brand | Entry | Maturity Group | Herbicide Tolerance ¹ | Performance Shown in: | Seed treatment | SCN Source ² | PRR Genes ³ | Color ⁴ | | | |
|----------------------|-----------|-------------------|-------------------------------------|--------------------------|--|-------------------------|------------------------|--------------------|------------|------|-------|
| | | | | | | | | Flower | Pubescence | Pod | Hilum |
| Pioneer | 92Y22 | 2.2 | RR1 | Tables 2,3 | Gaucho, Apron, Trilex, PPST 2030, PPST 120 | -- | -- | -- | -- | -- | -- |
| Pioneer | 92Y32 | 2.3 | RR1 | Tables 2,3 | Gaucho, Apron, Trilex, PPST 2030, PPST 120 | -- | -- | -- | -- | -- | -- |
| Pioneer | 92Y51 | 2.5 | RR1 | Tables 2,3,6,8 | Gaucho, Apron, Trilex, PPST 2030, PPST 120 | PI 88788 | Rps 1-k | P | LTW | T | B |
| Pioneer | 92Y75 | 2.7 | RR1 | Table 2 | Gaucho, Apron, Trilex, PPST 2030, PPST 120 | PI 88788 | Rps 1-k | W | LTW | T | BR |
| Pioneer | 92Y83 | 2.8 | RR1 | Table 2 | Gaucho, Apron, Trilex, PPST 2030, PPST 120 | -- | -- | -- | -- | -- | -- |
| PIP | 142 LL | 1.4 | LL | Table 7 | CruiserMaxx | -- | -- | -- | -- | -- | -- |
| PIP | 232 LL | 2.3 | LL | Table 6 | CruiserMaxx | -- | -- | -- | -- | -- | -- |
| Power Plus | 23Z1 | 2.3 | RR1 | Table 2 | CruiserMaxx Pak | PI 88788 | Rps 1-c | W | LTW | BR | B |
| Power Plus | 25G3 | 2.5 | RR1 | Table 2 | CruiserMaxx Pak | Peking | Rps 1-k | P | G | BR | BF |
| Public | Ashtabula | 0.4 | CN | Tables 6,7 | CruiserMaxx, Bio-Forge | -- | Rps 6 | P | G | BR | Y |
| Public | Sheyenne | 0.8 | CN | Tables 6,7 | CruiserMaxx, Bio-Forge | -- | Rps 1-c | P | G | BR | Y |
| Public | MN 1410 | 1.4 | CN | Tables 6,7 | CruiserMaxx, Bio-Forge | -- | Rps 1-k | W | G | -- | BF |
| Public | IA 1006 | 1.6 | CN | Tables 6,7 | CruiserMaxx, Bio-Forge | -- | -- | W | TW | BR | B |
| Public | IA 1022 | 1.7 | CN | Tables 6,7 | CruiserMaxx, Bio-Forge | -- | -- | P | G | T | Y |
| Public | W04-338 | 2.3 | CN | Table 6 | None | PI 88788 | -- | P | TW | BR | Y |
| Renk | RS082R2 | 0.8 | RR2 | Tables 4,5 | None | -- | Rps 3-a | P | TW | BR | BR |
| Renk | RS107RR | 1.0 | RR1 | Tables 4,5 | ApronMaxx | -- | -- | P | LTW | BR/T | BR |
| Renk | RS122R2 | 1.2 | RR2 | Table 4 | None | -- | Rps 1-c | P | G | BR | IB |
| Renk | RS140NR2 | 1.4 | RR2 | Table 4 | ApronMaxx | PI 88788 | Rps 1-c | P | G | BR | IB |
| Renk | RS153NR2 | 1.5 | RR2 | Table 4 | None | PI 88788 | Rps 1-c | P | LTW | BR | B |
| Renk | RS172NR2 | 1.7 | RR2 | Tables 3,4 | ApronMaxx | PI 88788 | Rps 1-k | P | G | T | B |
| Renk | RS183NR2 | 1.8 | RR2 | Tables 3,4 | ApronMaxx | PI 88788 | Rps 1-c | P | G | BR | IB |
| Renk | RS202NR2 | 2.0 | RR2 | Tables 2,3,6,8 | ApronMaxx | PI 88788 | Rps 1-c | P | TW | BR | B |
| Renk | RS210NR2 | 2.0 | RR2 | Tables 2,3 | None | PI 88788 | Rps 1-c | P | G | T | IB |
| Renk | RS213NR2 | 2.1 | RR2 | Tables 2,3 | None | PI 88788 | Rps 1-c | P | LTW | BR | IB |
| Renk | RS241R2 | 2.4 | RR2 | Tables 2,3 | None | -- | Rps 1-c | P | G | BR | BF |
| Renk | RS263NR2 | 2.6 | RR2 | Tables 2,3 | None | PI 88788 | Rps 1-k | P | G | BR | IB |
| Steyer | 1403 R2 | 1.4 | RR2 | Table 4 | CruiserMaxx | -- | -- | -- | -- | -- | -- |

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³PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴B= Black, BF = Buff, BR= Brown, G= Gray, IB= Imperfect Black, LTW= Light Tawny, M= Mixed, P= Purple, TW=Tawny, W=White, Y= Yellow.

Table 11 continued. 2012 Characteristics of Soybean Varieties (8 of 8).

| Originator/ Brand | Entry | Maturity Group | Herbicide Tolerance ¹ | Performance Shown in: | Seed treatment | SCN Source ² | PRR Genes ³ | Color ⁴ | | | |
|----------------------|------------|-------------------|-------------------------------------|--------------------------|---|-------------------------|------------------------|--------------------|------------|-----|-------|
| | | | | | | | | Flower | Pubescence | Pod | Hilum |
| Steyer | 1611 R2 | 1.6 | RR2 | Tables 3,4 | CruiserMaxx | -- | -- | -- | -- | -- | -- |
| Steyer | 1803 R2 | 1.8 | RR2 | Table 3 | CruiserMaxx | -- | -- | -- | -- | -- | -- |
| Steyer | 1901 RR | 1.9 | RR1 | Table 3 | CruiserMaxx | -- | -- | -- | -- | -- | -- |
| Steyer | 2003 R2 | 2.0 | RR2 | Table 3 | CruiserMaxx | -- | -- | -- | -- | -- | -- |
| Steyer | 2301 RR | 2.3 | RR1 | Table 2 | CruiserMaxx | -- | -- | -- | -- | -- | -- |
| Steyer | 2603 R2 | 2.6 | RR2 | Table 2 | CruiserMaxx | -- | -- | -- | -- | -- | -- |
| Tracy | 1113LL | 1.1 | LL | Table 7 | None | -- | -- | -- | -- | -- | -- |
| Tracy | 1413LL | 1.4 | LL | Table 7 | None | -- | -- | -- | -- | -- | -- |
| Tracy | 1813LL | 1.8 | LL | Tables 6,7 | None | -- | -- | -- | -- | -- | -- |
| Tracy | 2213LL | 2.2 | LL | Table 6 | None | -- | -- | -- | -- | -- | -- |
| Tracy | 2513LL | 2.5 | LL | Table 6 | None | -- | -- | -- | -- | -- | -- |
| Tracy | 2813LL | 2.8 | LL | Table 6 | None | -- | -- | -- | -- | -- | -- |
| Trelay | 15RR51 | 1.5 | RR2 | Tables 4,7,8 | Acceleron (Fungicide + Insecticide), Excalibre-SA | PI 88788 | Rps 1-c | P | G | BR | IB |
| Trelay | 19RR59 | 1.9 | RR2 | Table 3 | Acceleron (Fungicide + Insecticide), Excalibre-SA | -- | Rps 1-c,1-k,6 | P | LTW | BR | B |
| Trelay | 20RR43 | 2.0 | RR2 | Tables 2,3 | Acceleron (Fungicide + Insecticide), Excalibre-SA | PI 88788 | Rps 1-c | P | TW | BR | IB |
| Trelay | 21RR37 | 2.1 | RR2 | Tables 2,3 | Acceleron (Fungicide + Insecticide), Excalibre-SA | PI 88788 | Rps 1-c | P | G | T | IB |
| Trelay | 23RR53 | 2.3 | RR2 | Tables 2,3 | Acceleron (Fungicide + Insecticide), Excalibre-SA | -- | -- | P | LTW | T | B |
| Trelay | 24RR19 | 2.4 | RR2 | Tables 2,3 | Acceleron (Fungicide + Insecticide), Excalibre-SA | -- | Rps 1-c | P | G | BR | BF |
| Trelay | 25RR91 | 2.5 | RR2 | Table 2 | Acceleron (Fungicide + Insecticide), Excalibre-SA | -- | -- | W | G | BR | IB |
| Trelay | 27RR03 | 2.7 | RR2 | Table 2 | Acceleron (Fungicide + Insecticide), Excalibre-SA | PI 88788 | Rps 1-c | P | G | BR | IB |
| Viking | Sheyenne | 0.8 | CN | Table 7 | None | S | -- | P | G | BR | Y |
| Viking | 0.1544AT | 1.4 | CN | Table 7 | None | S | -- | P | G | M | IB |
| Viking | 1718N | 1.7 | CN | Table 7 | None | -- | -- | W | LTW | BR | B |
| Viking | 0.1955AT | 1.9 | CN | Table 6 | None | S | -- | P | G | BR | IB |
| Viking | 0.2265 | 2.2 | CN | Table 6 | None | S | -- | W | TW | BR | BR |
| Viking | 0.2620AT12 | 2.6 | CN | Table 6 | None | -- | -- | W | G | T | Y |

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³PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races. ⁴B= 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.



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This publication is available from your Wisconsin county Extension office and from the Department of Agronomy, 1575 Linden Dr., Madison, Wisconsin 53706. Phone (608) 262-1390. The Wisconsin Soybean Variety Test results can also be viewed at and downloaded from the UW Soybean Program website at <http://www.coolbean.info>. Further disease information can also be obtained at <http://fyi.uwex.edu/fieldcroppathology/soybean/>.

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