

MISSISSIPPI SOYBEAN



VARIETY TRIALS, 2000



Mississippi Agricultural and Forestry Experiment Station
Mississippi State University Extension Service

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NOTICE TO USER

This information bulletin is a summary of research conducted under project number MIS 2348 at seven locations in the state (see map). It is intended for farmers, seedsmen, colleagues, cooperators, and sponsors. Interpretation of this data should not be construed as a recommendation or as an endorsement of a specific variety or product.

This report contains data generated as part of the Mississippi Agricultural and Forestry Experiment Station research program. Joint sponsorship by the organizations listed on pages 90-92 is gratefully acknowledged.

Trade names of commercial products used in this report are included only for clarity and understanding. All available names (i.e., trade names, code numbers, chemical names, etc.) of varieties or products used in this research project are listed on pages 90-92.

Mississippi Soybean Variety Trials, 2000

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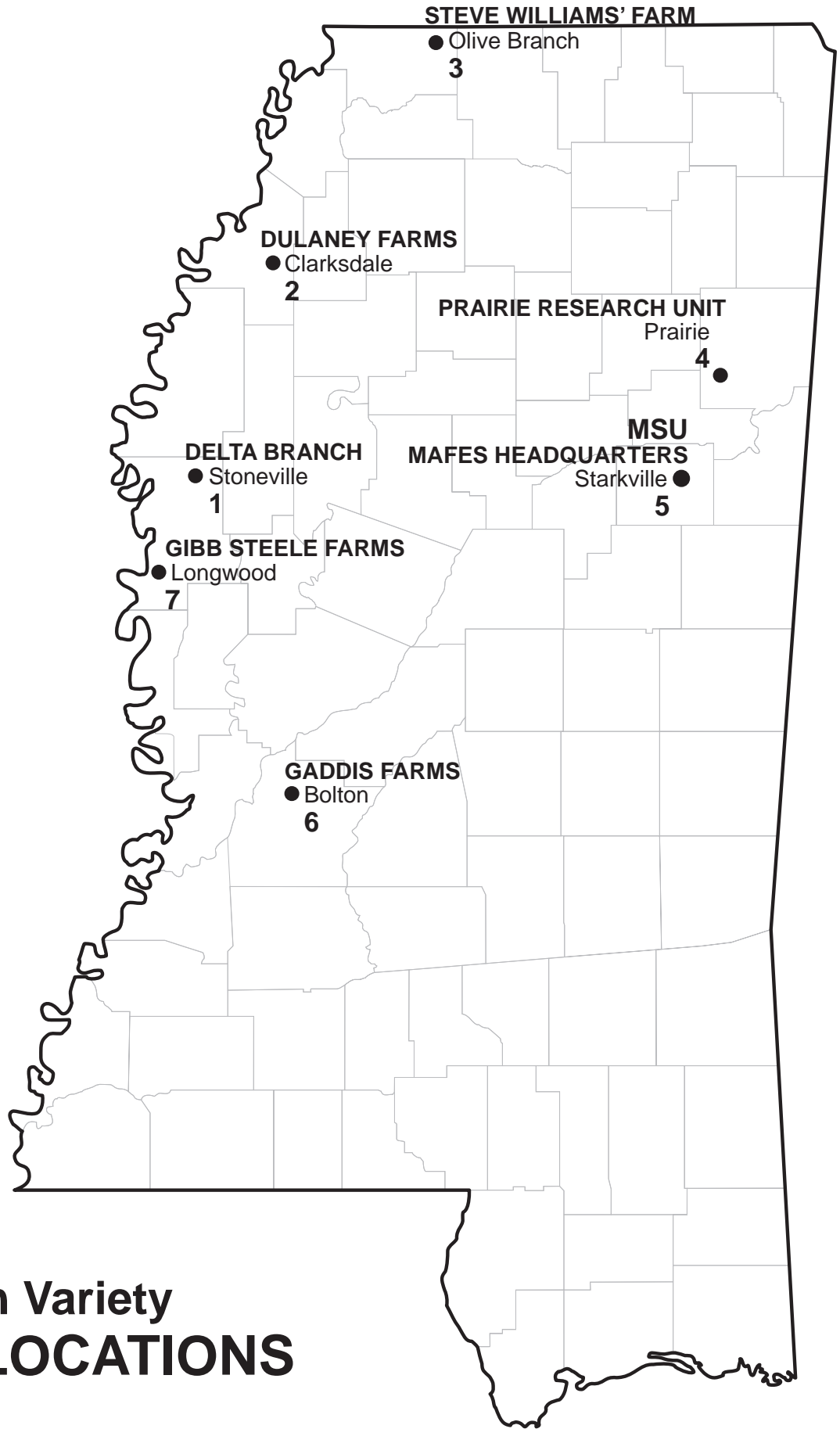
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Soybean Variety TEST LOCATIONS

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Mississippi Soybean Variety Trials, 2000

Introduction

Procedures

There has been a proliferation of soybean varieties in recent years, and many good varieties are available to Mississippi producers. No single variety is superior, but in some situations, there are varieties that are more specifically adapted than others. Selecting a variety for planting requires knowledge of disease, nematode, and herbicide reactions, as well as the yield performance of each variety on a particular soil type. In many cases, planting the proper varieties will make substantial differences in yield and profitability on a farm. Proper management, including adequate lime, fertilizer, and weed control, is required to produce high yields of any variety, but yields may be limited, even under good management, unless the proper varieties are planted.

Soybean variety trials were conducted at seven locations in 2000 (see map). Commercial seed companies are given the opportunity to enter varieties for testing. Seed of all private entries were supplied by the participating companies. Public varieties were selected by the Technical Advisory Committee for evaluation at each location. The experimental design at each location for each maturity group was a randomized complete block, with three replications of each entry.

Seeding Rate. All seeds were packaged for planting at the rate of nine seeds per foot of row. Plots were planted with a cone planter. Each plot had four rows, which were 30 inches wide and 20 feet long. Ends of plots were trimmed to a uniform length 3 to 4 weeks after emergence.

Cultural Practices. Cultural and pest control practices for optimum yields were followed. Plots

were limed and fertilized on the basis of an annual soil test. All seeds were treated with Vitavax/Thiram plus Apron fungicides prior to planting. Only herbicides currently registered for use on soybeans with strict adherence to all label instructions were used in these studies.

Maturity Date. Maturity was considered to be the date when the pods were dry and most of the leaves have dropped. Under most conditions, the stems were also dry.

Yield. An Almaco SPC-20 plot combine was used to harvest two rows of each plot. Bags of harvested seed were allowed to dry at ambient temperature to a uniform moisture content before weighing. Weights were converted to yield in bushels per acre (60 pounds per bushel).

Plant Height. Plants were measured from the soil to the top extremity, at maturity, and plant height was recorded as the average of the height of plants measured.

Lodging. Lodging was rated and recorded on a scale of 1 = almost all plants erect; 2 = all plants leaning slightly or only a few plants down; 3 = all plants leaning moderately or 25 to 50 percent of plants down; 4 = all plants leaning considerably or 50 to 80 percent of plants down; and 5 = all plants down.

Disease and Nematodes. When a disease or nematode problem is correctly identified, the information in Tables 89 to 107 may be used to select varieties that have genetically inherited resistance to the problem. Stem canker ratings shown in this report were determined by Dr. Bob Keeling, retired plant pathologist, and Dr. Gabe Sciumbato, plant pathologist, MAFES.

How to Select Varieties

In Problem or Difficult Fields

(1) Identify fields that have had problems in the past. Problems to consider may include diseases, nematodes, or fields that make planting or harvest difficult because of extremely dry or wet conditions. The Mississippi State University Extension Service offers a disease diagnostic service and nematode analysis free of charge.

(2) Use Tables 89 to 107 to select varieties for fields that need nematode or other pest resistance.

(3) Select varieties using multiyear averages from all available locations. Identify those varieties that have desired pest resistance along with a high yield potential. Use data from a test site or sites with a soil type similar to that where the soybeans will be grown. Consider planting dates and maturity dates that may allow you to avoid historical field problems.

In Nonproblem Fields

(1) Identify the farm's highest yielding fields that have no specific disease problems.

(2) Select varieties with the best yield potential using multiyear averages from all available locations. Use data from a test site or sites with a soil type similar to that where the soybeans will be grown.

(3) Try new varieties on a limited number of acres. Don't abandon older, consistently performing varieties that are yielding well unless research and experience show an advantage for newer varieties.

Planting Date and Maturity Date

(1) Varieties in Maturity Groups IV, V, and VI are recommended. Earlier maturing varieties should be considered for planting where fall seedbed preparation was done the previous year and in fields that are subject to drought stress during the growing season and/or wet soils during the usual harvest period. Later maturing varieties should be considered for planting in fields that are not as prone to drought stress, where irrigation will be used to alleviate drought stress and for later planting. However,

early planting of all acreage is encouraged to reduce risk from drought and obtain higher yields.

(2) Early-season production is a practice that has been quite successful and consistent for several years. Cool, wet soils at planting may justify the use of a seed treatment that has activity against *Pythium*, since no varieties have resistance to infection and resulting damage from this organism. Most Maturity Group IV soybeans have a narrow growth habit. Given their growth habit narrow rows are quite advantageous. Early April to early May planting is recommended for early-season production of Group IV varieties. Irrigation allows later planting of early-maturing soybeans; however, the full yield potential may not be realized when planted late. Timely harvest is crucial with early-maturing varieties, because dry weather at maturity may promote shattering. There is a wide range in maturity within Group IV soybeans. Determine if an early Group IV or a late Group IV variety, or some acreage of both, will fit into your operation.

(3) Timely planting is crucial for optimum production of all maturity groups of soybeans. An attempt should be made to complete soybean planting as early as possible. Planting of Group V and Group VI can be made in April. Delays in planting will result in reduced yield potential for almost all varieties in all maturity groups.

Herbicide-Resistant Varieties

(1) Evaluate overall performance characteristics of the variety — including yield potential, disease and nematode resistance, maturity date, lodging, etc. — as with any variety.

(2) Compare these characteristics to other varieties, conventional and herbicide-resistant.

(3) Consider seed premiums, technology fees, and specific weed problems. Determine total cost of conventional and herbicide-resistant-crop weed control programs, and combine this information with factors listed above in choosing a variety.

General Characteristics of Varieties

Soybean varieties differ in significant characteristics that may not affect their performance. Tables 80 to 88 give the general characteristics of most varieties grown in Mississippi.

Pubescence and Hilum Color. Brown (tawny) and gray are the basic pubescence (hair) colors found among varieties. Varying pod-wall colors result in different intensities of mature pod colors. The “eye” of the seed is called a hilum, or point of attachment to the pod, and it differs in color by variety.

Seed Size. There is no relationship between inherited seed size and seed yield. A small-seeded variety may yield as much as or more than a large-seeded variety. The average seed per pound for different varieties is shown in Tables 80 to 88, but this is subject to seasonal variation. Knowing the number of seed per pound is important in determining the amount of seed needed for planting. Fewer pounds are required for small-seeded varieties than for large-seeded varieties. Your county Extension office has a publication (Information Sheet 1194) that

deals with seeding rates and plant populations.

Flowering. Varieties of Group IV maturity generally display an indeterminate growth habit. This means that a large portion of their vegetative growth occurs after the onset of flowering begins. In contrast, varieties of Groups V and VI display a determinate growth habit, where most of the vegetative growth occurs before flowering. The date of first flower will be determined by the time of planting and maturity. For example, a mid-Group IV variety may bloom 3 weeks earlier than a Group V variety, whereas a late Group IV variety may bloom only 1 week earlier than a Group V variety. Soybean flower petals are purple or white. The flower color is controlled strictly by genetics, and only one flower color occurs in a pure variety.

Within the Group IV maturity group trials, the wide variation in maturity dates is attributed to lack of rigid standards for classifying varieties within a group. It was decided to subdivide both the Group IV

and Group V trials into two maturity groups. All maturity groups were assigned an early and late-maturity check:

Conventional Test		
Maturity Group	Early Check	Late Check
Group IV Early	–	DP3478
Group IV Late	DP3478	P9511
Group V Early	P9511	Hutcheson
Group V Late	Hutcheson	P9594
Group VI	P9594	P9692

Roundup Ready Test		
Maturity Group	Early Check	Late Check
Group IV Early	–	AG 4601
Group IV Late	AG 4601	P9492
Group V Early	P9492	S59-V6
Group V Late	S59-V6	–

Use of Data Tables and Summary Statistics

The yield potential of a given variety cannot be measured with complete accuracy. Consequently, replicated plots of all varieties are evaluated for yield, and the yield of a given variety is estimated as the mean of all replicated plots of that variety. Yields may vary from one plot to another, which introduces a certain degree of error to the estimation of yield potential. This natural variation is often responsible for yield differences seen among different varieties. Thus, even if the mean yield of two varieties are numerically different, they are not necessarily significantly different in terms of yield potential. In other words, the ability to measure yield is not precise enough to determine whether such small differences are observed purely by chance or because of superior performance.

The least significant difference (LSD) is an estimate of the smallest difference between two varieties that can be declared to be the result of something other than random variation in a particular trial. Consider the following example for a given trial:

Variety	Yield
Abe	40 bu/A
Bill	35 bu/A
Charlie	31 bu/A
LSD	7 bu/A

The difference between variety Abe and variety Bill is 5 bushels per acre (40 - 35 = 5). This difference is **smaller** than the LSD (7 bushels per acre). Consequently, it is concluded that variety Abe and variety Bill have the

same yield potential, since the observed difference occurred purely due to chance.

The difference between variety Abe and variety Charlie is 9 bushels per acre (40 - 31 = 9), which is **larger** than the LSD (7 bushels per acre). Therefore, it is concluded that the yield potential of variety Abe is superior to that of variety Charlie, since the difference is larger than would be expected purely by chance.

The coefficient of variation (CV) is a measure of the relative precision of a given trial and is used to compare the relative precision of different trials. The CV is generally considered to be an estimate of the amount of unexplained variation in a given trial. This unexplained variation can be the result of variation between plots, with respect to soil type, fertility, insects, diseases, drought stress, etc. In general, the higher the CV, the less precise a given trial is.

The coefficient of determination (R^2) is another measure of the level of precision in a trial and is also used to compare the relative precision of different trials. The R^2 is a measure of the amount of variation that is explained, or accounted for, in a given trial. For example, an R^2 value of 90 percent indicates that 90 percent of the observed variation in the trial has been accounted for in the trial, with the remaining 10 percent being unaccounted for. The higher the R^2 value, the more precise the trial. The R^2 is generally considered to be a better measure of precision than is the CV, for comparison of different trials.

Table 1. Summary of Yields for Maturity Group IV Early for the 2000 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Bolton	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
4882	AgriPro/Garst	72.3	54.5	69.5	17.6	53.5	25.2	19.5	25.2	23.3	40.6
A4324	Asgrow	63.5	30.2	54.6	16.5	41.2	30.6	31.8	17.0	26.5	35.0
DK 4680	Delta King	63.8	45.4	53.9	12.7	44.0	18.0	17.2	31.6	22.3	34.7
DP 3478	Deltapine	70.6	56.5	69.1	16.0	53.1	22.2	18.8	–	20.5	36.8
Dixie 478	Dixie	73.6	58.4	68.0	19.5	54.9	22.4	22.6	16.2	20.4	40.1
SS 439	So. States	56.7	47.4	60.7	18.4	45.8	24.9	28.3	21.7	25.0	36.9
Overall Mean		66.8	48.7	62.6	16.8	48.7	23.9	23.0	22.4	23.5	37.4
LSD (.10)		9.5	9.8	6.7	5.4	3.8	7.5	5.2	4.8	3.4	2.6
Error degrees of freedom		10	10	10	10	40	10	10	8	24	56
CV (%)		9.6	13.6	7.2	21.7	11.2	21.2	15.4	14.2	17.8	13.6
R ² (%)		72	80	80	56	96	62	81	89	78	97

Table 2. Summary of Yields for Maturity Group IV Late for the 2000 Mississippi Soybean Variety Trials.¹

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Bolton	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
A4922	Asgrow	64.5	49.5	48.8	12.9	43.9	25.9	37.9	9.5	24.5	35.6
490	Croplan Genetics	65.4	67.3	63.9	3.3	50.0	15.2	31.6	19.0	21.9	37.9
DK 4965RR	Delta King	64.3	52.4	55.7	15.0	46.8	22.6	43.2	18.7	28.1	38.8
DK 4868RR	Delta King	76.6	67.9	67.9	18.8	57.8	27.6	41.8	23.7	31.0	46.3
DK 4762RR	Delta King	61.5	48.7	52.7	12.4	43.8	22.1	40.1	11.7	24.6	35.6
DK 4711	Delta King	70.2	55.7	65.6	13.8	49.2	25.2	39.8	21.3	28.7	40.1
DP 3478	Deltapine	73.0	59.8	69.0	15.4	54.2	25.2	37.9	18.6	27.2	41.5
DP 4748S	Deltapine	68.4	66.6	69.0	20.2	56.1	28.9	46.8	18.5	31.4	45.5
DP 4909	Deltapine	66.4	62.5	66.1	10.5	51.4	19.2	45.2	22.0	28.8	41.7
DPX 4910S (E)	Deltapine	78.7	67.5	68.7	12.6	56.9	17.9	42.5	22.4	27.6	44.3
HBK 4891	Hornbeck	68.9	59.0	67.3	18.3	53.4	32.7	42.8	13.8	29.8	43.3
9482	Pioneer	68.4	66.4	64.2	14.7	53.4	28.3	43.2	14.6	28.7	42.8
9511	Pioneer	66.8	52.9	61.5	5.0	46.6	13.7	33.2	24.9	23.9	36.9
Progeny 4910	Progeny	76.6	72.4	77.1	17.3	60.9	24.4	42.5	22.0	29.6	47.5
SS XP4899 (E)	So. States	69.3	61.3	67.7	16.3	53.6	23.2	43.9	22.3	29.8	43.4
SS 4985STS	So. States	70.3	59.1	54.4	10.3	48.5	12.1	44.8	27.2	28.0	39.8
SS 495	So. States	70.3	66.8	69.0	8.7	53.7	16.8	38.0	19.6	24.8	41.3
SS 514N	So. States	69.7	51.8	53.2	9.1	45.9	19.2	41.7	21.3	27.4	38.0
TV4881	Terral	67.3	53.3	65.1	14.8	50.1	26.6	41.7	17.7	28.7	40.9
TV4975	Terral	70.7	62.7	70.7	10.0	53.5	14.3	35.3	21.3	23.7	40.7
DT97-4290 (E)	Public	72.0	64.7	70.0	14.0	55.2	22.4	34.4	21.5	26.1	42.7
TN 93-87 (E)	Public	67.5	55.5	59.9	15.8	48.2	14.0	43.9	17.4	25.1	39.5
Overall Mean		69.4	60.0	64.0	13.1	51.5	21.7	40.6	19.5	27.3	41.1
LSD (.10)		5.1	8.8	6.9	3.7	3.1	6.3	5.2	7.6	3.7	2.3
Error degrees of freedom		42	42	42	42	168	42	42	42	126	294
CV (%)		5.3	10.7	7.9	20.7	8.8	21.3	9.3	28.3	17.2	11.1
R ² (%)		77	73	75	80	98	74	67	56	89	97

¹(E) = Experimental.

Table 3. Summary of Yields for Maturity Group V Early for the 2000 Mississippi Soybean Variety Trials.¹

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	MSU	Bolton	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
HY 574	AgriPro/Garst	64.1	54.5	54.5	57.7	13.6	44.8	17.0	25.1	41.4
A5547	Asgrow	67.2	60.3	52.4	60.0	16.8	39.8	14.8	23.8	41.9
520	Croplan Genetics	59.2	55.2	59.7	58.0	7.8	26.6	21.1	18.5	38.3
Robin 5	Croplan Genetics	60.0	48.7	53.7	54.1	17.0	41.6	23.7	27.5	40.8
DK 5580	Delta King	68.9	60.0	59.9	63.0	14.5	47.4	25.8	29.2	46.1
DK 5661RR	Delta King	66.7	54.1	55.8	58.9	13.3	37.1	17.8	22.8	40.8
DK 5850	Delta King	67.2	56.8	54.5	59.5	13.3	44.5	24.4	27.4	43.5
DK 5267RR	Delta King	56.2	57.8	54.4	56.1	12.4	34.3	14.8	20.5	38.3
DK 5366RR	Delta King	71.3	65.7	64.2	67.1	14.4	41.8	26.3	27.5	47.3
DK 5465RR	Delta King	65.5	52.0	49.0	55.5	19.7	36.1	19.6	25.1	40.3
DK 5668RR	Delta King	65.5	63.3	64.6	64.5	16.7	36.4	19.1	24.1	44.3
DP 5354	Deltapine	65.3	66.8	63.6	65.2	8.9	41.0	16.5	22.1	43.7
DP 5655	Deltapine	61.2	62.3	57.8	63.8	14.3	36.2	19.9	23.5	43.6
MFA Morsoy 5080	Morsoy	59.9	43.5	56.0	53.1	12.2	20.5	7.3	13.3	33.2
NK X056 (E)	NK	63.8	52.2	54.4	56.8	15.7	36.6	16.7	23.0	39.9
95B33	Pioneer	64.2	63.8	54.1	60.7	17.0	40.8	17.7	25.2	42.9
9511	Pioneer	55.0	52.2	56.4	54.5	14.2	28.9	20.6	21.2	37.9
Progeny 5600	Progeny	66.8	72.6	65.6	68.3	12.6	37.6	18.6	22.9	45.6
Progeny 5120N	Progeny	61.3	54.2	55.2	56.9	12.9	34.2	16.5	21.2	39.1
TV 5495	Terral	54.0	58.7	62.3	58.3	11.7	35.7	20.2	22.5	40.4
Anand	Public	60.7	46.8	44.8	50.8	15.5	38.2	10.4	21.4	36.1
Delsoy 5500	Public	63.9	60.8	62.3	62.3	17.5	43.3	22.3	27.7	45.0
DT97-6308 (E)	Public	59.6	56.8	56.3	57.5	20.6	44.4	25.3	30.1	43.8
ESSEX	Public	57.3	45.4	31.5	44.7	19.1	28.0	16.6	21.2	33.0
ESSEX RSV1 (E)	Public	57.0	56.8	27.5	47.1	18.6	32.8	13.3	21.6	34.3
ESSEX RSV4 (E)	Public	53.8	44.8	35.5	44.7	17.2	27.5	13.1	19.3	32.0
ESSEX RSV1-n (E)	Public	59.0	42.1	36.8	46.0	17.5	30.6	10.2	19.4	32.7
ESSEX RSV3 (E)	Public	65.0	42.2	27.9	45.0	14.0	29.7	10.8	18.2	31.6
Hutcheson	Public	62.1	47.3	51.1	53.5	18.8	39.5	20.4	26.2	39.9
S96-2692 (E)	Public	60.5	55.5	60.8	58.9	16.0	39.1	21.0	25.3	42.1
Overall Mean		62.1	55.1	53.1	56.8	15.1	36.5	18.1	23.2	40.0
LSD (.10)		6.2	6.6	9.0	4.2	4.8	6.8	5.4	3.3	2.7
Error degrees of freedom		58	58	58	174	58	57	58	174	348
CV (%)		7.4	8.8	12.4	9.5	23.3	13.7	22.1	18.1	12.1
R ² (%)		62	80	81	82	70	72	71	91	96

¹Group V nonirrigated yields at Stoneville were not reported because of extremely low yields. (E) = Experimental.

Table 4. Summary of Yields for Maturity Group V Late for the 2000 Mississippi Soybean Variety Trials.¹

Variety	Brand	Clarksdale <i>bu/A</i>	Longwood <i>bu/A</i>	Stoneville Irr. <i>bu/A</i>	Delta avg. <i>bu/A</i>	Olive Branch <i>bu/A</i>	MSU <i>bu/A</i>	Hill avg. <i>bu/A</i>		Overall avg. <i>bu/A</i>
A5944	Asgrow	71.5	50.8	64.8	62.4	16.9	34.8	25.9		47.8
A5959	Asgrow	75.0	60.4	64.6	66.7	17.4	36.9	27.2		50.9
DG 5940	Delta Grow	66.9	48.1	61.6	58.9	16.9	30.6	23.8		44.8
DK 5762RR	Delta King	64.1	52.0	48.6	54.9	12.0	32.2	22.1		41.8
DK 5961RR	Delta King	53.9	36.8	53.2	48.0	14.6	28.9	22.6		37.8
DK 5995	Delta King	69.0	58.0	64.8	63.9	22.3	44.1	33.2		51.6
DP 5989	Deltapine	62.0	51.8	65.7	59.8	6.0	19.8	12.9		41.1
DPX 5877 (E)	Deltapine	63.5	59.7	59.0	60.8	12.0	30.1	21.1		44.9
Dixie 5799	Dixie	57.2	53.7	46.8	52.6	14.1	32.6	23.3		40.9
HBK 5990	Hornbeck	63.5	58.0	67.4	63.0	18.3	39.6	28.6		49.2
HBK 5991	Hornbeck	72.9	66.0	66.4	68.4	16.0	39.9	27.9		52.2
NK 057R (E)	NK	56.8	44.4	56.1	52.4	13.5	33.4	23.5		40.8
NK 058R (E)	NK	59.5	51.7	54.9	55.3	12.0	33.3	22.7		42.3
NK S59-60	NK	73.8	71.0	64.6	69.8	14.9	37.3	26.0		52.3
9594	Pioneer	71.6	67.8	73.7	71.0	15.5	35.5	25.5		52.8
SS 597N	So. States	62.0	48.6	60.0	56.9	14.9	37.9	26.4		44.7
TV 5893	Terral	58.3	55.2	62.4	61.9	13.9	34.4	24.2		46.8
TV 5926	Terral	60.1	46.7	55.4	54.1	16.1	35.3	25.7		42.7
Bolivar	Public	59.0	54.3	64.1	59.1	20.9	27.5	24.2		45.2
Caviness	Public	59.3	54.1	53.9	55.7	18.4	26.7	22.6		42.5
DT96-6840 (E)	Public	65.7	58.3	65.6	63.2	27.6	36.9	32.3		50.8
DT96-16809 (E)	Public	62.4	65.4	64.0	63.9	9.7	27.2	18.4		45.7
Hutcheson	Public	56.2	47.3	49.1	50.9	15.5	25.6	20.5		38.7
R95-2210 (E)	Public	64.1	51.0	64.1	59.7	15.5	38.2	26.8		46.6
S94-1867 (E)	Public	57.1	54.0	58.8	56.6	16.8	34.5	23.8		43.5
S96-2641 (E)	Public	63.1	53.1	55.0	57.1	10.6	30.7	20.7		42.5
TN 93-99 (E)	Public	62.2	49.3	53.3	54.9	14.1	32.6	23.3		42.3
TN 94-213 (E)	Public	54.9	51.4	40.0	48.8	18.6	28.1	23.3		38.6
UAR-5798	Public	57.4	58.5	61.5	62.5	9.4	27.2	18.3		44.8
V91-3036 (E)	Public	60.4	56.1	49.1	55.2	14.9	38.0	26.5		43.7
Overall Mean		63.4	48.7	52.0	58.9	15.3	32.9	24.1		45.0
LSD (.10)		6.8	8.7	7.6	4.3	6.6	7.9	5.1		3.3
Error degrees of freedom		58	66	66	174	58	58	116		290
CV (%)		7.9	13.1	10.7	9.4	31.5	17.5	22.0		12.1
R ² (%)		67	92	95	76	59	58	85		95

¹Group V nonirrigated yields at Stoneville were not reported because of extremely low yields. (E) = Experimental.

Table 5. Summary of Yields for Maturity Group VI for the 2000 Mississippi Soybean Variety Trials.¹

Variety	Brand	MSU	Stoneville (Irr.)	Average
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
HBK 6600	Hornbeck	32.7	49.4	41.0
P 9594	Pioneer	23.2	70.6	46.9
P 9631	Pioneer	22.4	62.9	42.7
P 9692	Pioneer	29.9	44.7	37.3
SS 665N	So. States	23.0	55.5	39.3
Dillon	Public	21.2	62.0	41.6
R92-1258 (E)	Public	25.6	58.7	42.2
SC91-2007 (E)	Public	33.7	50.6	42.2
TN 93-142-17 (E)	Public	27.4	56.3	41.9
Overall Mean		26.6	56.7	41.7
LSD (.10)		9.0	5.2	5.1
Error degrees of freedom		16	16	32
CV (%)		23.9	6.5	12.4
R ² (%)		65	88	95

¹(E) = Experimental.

Table 6. Summary of Yields for Maturity Group IV Early Roundup Ready for the 2000 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Prairie	Bolton	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		
4888RR	AgriPro/Garst	70.5	66.3	64.2	10.6	52.9	15.5	23.2	19.4	41.7
AG 4403	Asgrow	72.7	54.0	67.7	16.3	52.7	14.3	18.6	16.5	40.6
AG 4601	Asgrow	60.9	46.0	53.5	19.4	44.9	17.4	18.2	17.8	35.9
AG 4602	Asgrow	70.6	50.8	59.1	18.7	49.8	15.0	24.6	19.8	39.8
AG 4702	Asgrow	66.1	61.3	60.9	15.7	51.0	15.7	21.8	18.8	40.2
466RR	Croplan Genetics	57.8	49.7	60.8	15.1	45.9	16.3	17.5	16.9	36.2
DP 4344RR	Deltapine	63.7	38.8	50.9	16.3	42.4	15.1	10.3	12.7	32.5
DP 4690RR	Deltapine	76.4	59.4	66.2	11.6	53.4	16.9	24.5	20.7	42.5
DG 3463NRR	Dyna-Gro	58.2	47.4	58.6	19.2	45.8	14.6	14.6	14.6	35.4
D472RR/N	Garst	58.1	51.9	61.7	18.5	47.5	16.1	15.4	15.7	36.9
HBK R4660	Hornbeck	60.0	52.7	64.5	15.9	48.3	15.8	20.6	18.2	38.3
94B41	Pioneer	50.9	36.9	49.6	15.0	38.1	10.1	15.3	12.7	29.7
SS RT446N	So. States	64.3	53.1	62.7	19.8	50.0	12.3	16.9	14.6	38.2
TV 4589RR	Terral	60.4	50.4	58.6	18.2	46.9	13.2	17.2	15.2	36.3
TV 4787RR	Terral	72.1	57.9	60.0	5.7	49.0	15.3	26.9	21.1	39.7
Overall Mean		64.2	51.8	59.9	15.7	47.9	14.9	19.0	17.0	37.6
LSD (.10)		6.8	10.0	4.8	4.2	3.3	2.4	3.8	2.2	2.3
Error degrees of freedom		28	28	28	28	112	28	28	56	168
CV (%)		7.7	14.0	5.7	19.2	10.3	11.4	14.4	13.4	11.3
R ² (%)		83	74	78	74	96	68	86	87	98

**Table 7. Summary of Yields for Maturity Group IV Late Roundup Ready
for the 2000 Mississippi Soybean Variety Trials.¹**

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Prairie	MSU	Bolton	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AG 4601	Asgrow	60.9	46.0	53.5	18.9	44.8	29.1	17.4	32.8	17.7	24.3	34.5
AG 4702	Asgrow	63.5	53.8	56.8	19.8	48.5	23.7	15.2	45.4	14.7	24.8	36.7
AG 4901	Asgrow	58.6	52.4	52.0	15.1	44.5	22.0	11.4	37.5	18.5	22.3	33.4
AG 4902	Asgrow	64.1	56.0	53.0	17.0	47.5	26.8	17.6	46.1	19.4	27.5	37.5
480RR	Croplan Genetics	71.5	57.2	58.5	16.5	50.9	25.3	13.5	37.3	18.9	23.8	37.3
4979RR	Croplan Genetics	63.7	50.7	50.1	1.5	41.5	10.2	12.6	21.6	22.8	16.8	29.1
DG 4850RR	Delta Grow	66.7	55.3	59.6	12.7	48.6	29.3	14.7	45.0	21.5	27.6	38.1
DK 4762RR	Delta King	57.2	55.8	52.5	14.6	45.0	21.9	13.4	40.9	25.1	25.3	35.2
DK 4868RR	Delta King	78.6	72.1	67.4	16.9	58.7	21.0	20.1	44.0	30.5	28.9	43.8
DK 4965RR	Delta King	67.7	58.1	55.3	13.5	48.6	20.9	18.8	48.5	33.3	30.4	39.5
SG 498RR	Deltapine	71.6	67.1	63.3	12.6	53.7	17.0	18.9	32.5	23.7	23.0	38.3
Dixie 4803RR	Dixie	72.8	63.3	61.3	13.2	52.7	24.6	17.8	36.0	25.9	26.1	39.4
DG 3484NRR	Dyna-Gro	70.4	61.4	56.6	14.6	50.8	29.5	14.8	43.0	25.2	28.1	39.4
ES 4902RR (E)	Eagle Seed	60.4	52.7	53.6	2.8	42.4	14.6	15.6	34.6	26.2	22.8	32.6
Genesis A484	Genesis	65.4	51.1	59.1	11.7	46.8	26.4	13.1	36.8	20.9	24.3	35.6
Genesis A504	Genesis	67.1	60.9	53.1	11.8	48.2	16.1	13.2	25.7	23.6	19.7	33.9
H 4884RR	Hartz	70.3	55.7	60.0	15.6	50.4	19.4	15.2	30.6	25.8	22.7	36.6
H 4994RR	Hartz	71.8	67.0	61.8	15.6	54.1	11.0	20.4	42.7	23.0	24.3	39.2
HBK R4855	Hornbeck	67.6	54.5	54.6	13.4	47.5	21.7	14.0	35.6	19.9	22.8	35.2
HBK R4920	Hornbeck	72.6	52.0	62.0	12.7	49.8	24.8	17.0	35.6	24.2	25.4	37.6
MFA Morsoy RT4809	Morsoy	85.5	71.7	71.7	13.7	60.7	25.9	19.2	45.9	26.9	29.5	45.1
NK S51-T1	NK	68.3	49.3	51.3	5.8	43.7	11.9	16.6	31.7	24.4	21.1	32.4
9492	Pioneer	62.9	56.9	58.8	19.0	49.4	24.6	16.9	41.8	15.4	24.7	37.0
SS XP RT4980 (E)	So. States	74.0	59.6	63.3	12.8	52.4	22.3	16.9	37.9	25.8	25.8	39.1
SS RT517N	So. States	66.1	55.8	60.0	18.1	50.0	22.0	21.3	45.8	27.0	29.0	39.5
TV 4886RR	Terral	67.7	59.4	60.2	13.7	50.2	24.4	17.5	33.0	29.7	26.1	38.2
TV 4890RR	Terral	65.4	54.6	57.3	15.4	48.2	21.2	15.5	40.8	15.9	23.4	35.8
TVX 48R901 (E)	Terral	67.4	56.3	54.0	12.0	47.4	32.3	14.4	44.7	20.6	28.0	37.7
TVX 48R908 (E)	Terral	60.4	50.8	56.5	18.1	46.4	28.5	16.9	37.0	27.5	27.5	36.9
Overall Mean		67.5	57.1	57.8	13.8	49.1	22.4	16.2	38.3	23.2	25.0	37.1
LSD (.10)		6.3	8.7	4.9	3.1	3.0	8.2	3.4	10.4	5.4	3.6	2.4
Error degrees of freedom		56	56	56	56	224	56	56	56	56	224	448
CV (%)		6.8	11.1	6.2	16.6	9.1	26.8	15.3	19.9	17.0	21.5	13.3
R ² (%)		76	65	75	85	97	59	64	53	68	83	96

¹(E) = Experimental.

**Table 8. Summary of Yields for Maturity Group V Early Roundup Ready
for the 2000 Mississippi Soybean Variety Trials.¹**

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Prairie	MSU	Bolton	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
569RR/N	AgriPro/Garst	54.2	43.2	56.4	51.3	10.8	13.1	30.9	12.4	16.8	31.6
AG5001	Asgrow	65.5	48.3	58.5	57.5	24.2	6.8	24.4	8.8	16.1	33.8
AG 5501	Asgrow	65.8	60.7	56.4	61.0	13.3	14.0	27.2	15.1	17.4	36.1
AG 5602	Asgrow	64.2	53.5	62.3	60.0	9.7	8.3	25.5	16.7	15.1	34.3
AG 5701	Asgrow	71.3	67.5	65.3	68.0	12.8	14.0	34.4	15.7	19.2	40.1
556RR	Croplan Genetics	58.0	43.0	51.7	50.9	8.8	13.5	29.5	19.6	17.8	32.0
5770RR	Croplan Genetics	42.7	34.5	46.2	41.1	9.2	11.4	24.1	11.1	13.9	25.6
DG 5630RR	Delta Grow	72.8	64.3	64.2	67.1	17.4	18.0	30.9	14.4	20.2	40.3
DK 5661RR	Delta King	66.5	61.9	65.7	64.7	10.2	18.6	30.9	21.7	20.2	39.3
DK 5267RR	Delta King	59.4	55.4	54.6	56.4	16.6	14.2	37.3	15.5	20.9	36.1
DK 5366RR	Delta King	68.5	68.7	71.7	69.6	10.7	16.2	39.0	15.4	20.4	41.5
DK 5465RR	Delta King	68.9	46.3	61.1	58.8	27.1	16.8	32.8	19.0	24.0	38.9
DK 5668RR	Delta King	66.9	65.4	72.4	68.2	22.7	14.9	33.2	15.7	21.6	41.6
DP 5644RR	Deltapine	63.9	59.8	66.3	63.4	14.4	13.9	32.8	16.0	19.3	38.2
DPX 5514RR (E)	Deltapine	67.1	53.9	65.3	62.1	13.1	13.3	29.9	17.5	18.4	37.2
DG 3521NRR	Dyna-Gro	57.7	49.0	56.3	54.3	14.3	12.8	29.8	13.2	17.5	33.3
DG 3535NRR	Dyna-Gro	70.7	64.7	66.9	67.4	16.9	18.4	29.9	20.5	21.4	41.1
DG3562NRR	Dyna-Gro	68.7	64.3	71.1	68.0	10.0	16.0	33.6	20.3	20.0	40.6
ES 4900RR (E)	Eagle Seed	58.9	50.3	58.1	55.8	11.1	14.1	35.8	10.3	17.8	34.1
ES 5000RR (E)	Eagle Seed	53.5	52.1	60.6	55.4	12.9	17.5	32.3	19.8	20.6	35.5
H5231RR	Hartz	64.8	50.3	60.7	58.6	18.9	6.9	24.9	12.8	15.9	34.2
HBK R5588	Hornbeck	61.3	47.7	62.1	57.0	17.5	15.6	30.6	12.0	19.0	35.3
MFA Morsoy RT5050	Morsoy	62.0	52.0	61.2	58.4	16.7	13.9	20.6	8.6	14.9	33.6
MFA Morsoy RT541SCN	Morsoy	59.0	55.2	56.3	56.8	11.4	12.3	35.7	12.8	18.1	34.7
NK S59-V6RR	NK	65.7	59.1	64.3	63.0	17.0	17.0	35.2	14.0	20.8	38.9
9492	Pioneer	57.2	50.7	54.1	54.0	24.1	5.9	26.2	9.3	16.4	32.4
95B32	Pioneer	58.9	55.6	61.0	58.5	18.5	14.6	30.8	13.9	19.5	36.2
95B53	Pioneer	66.1	59.8	53.6	59.9	24.3	12.3	35.9	19.3	23.0	41.5
Progeny 5410RR	Progeny	57.3	48.0	61.4	55.6	14.6	15.5	31.7	14.5	19.1	34.7
SS RT557N	So. States	54.8	50.9	61.6	55.8	12.7	17.9	36.8	18.5	21.5	36.2
SS XP RT5399 (E)	So. States	51.0	47.8	50.2	49.7	7.6	12.1	28.3	14.4	15.6	30.2
SS XP RT46704 (E)	So. States	52.7	43.2	56.6	50.8	10.3	15.5	23.5	16.3	16.4	31.1
SS XP RT5609 (E)	So. States	58.2	56.5	59.8	58.2	10.6	11.3	32.8	14.7	17.6	35.0
TVX 50R901 (E)	Terral	61.8	50.8	62.3	59.3	15.0	15.2	31.7	14.8	19.2	36.4
TVX 52R901 (E)	Terral	52.7	50.8	58.3	53.9	22.4	11.7	30.1	16.8	20.3	34.7
TV 5486RR	Terral	58.0	43.6	55.4	52.3	10.2	15.0	28.2	11.9	16.3	31.8
TV 5666RR	Terral	53.7	51.8	58.8	54.8	8.7	15.3	32.3	14.7	17.7	33.6
TVX 54R908 (E)	Terral	58.8	42.6	49.5	50.3	10.6	13.5	29.0	17.1	17.6	31.6
USG 510nRR (E)	USG	60.3	57.9	61.5	59.9	12.3	10.6	35.1	12.9	17.7	35.8
USG 540nRR (E)	USG	62.8	56.8	66.7	62.1	20.9	13.4	31.6	22.9	22.2	39.3
USG 7547RR	USG	50.0	40.8	46.7	45.9	19.2	13.5	32.0	14.4	19.8	30.9
USG 7557RR	USG	60.7	47.6	60.7	56.4	12.6	12.0	30.8	11.7	16.8	33.7
Overall Mean		60.8	53.1	59.9	57.9	14.8	13.7	30.9	15.2	18.5	35.4
LSD (.10)		7.1	8.1	7.5	4.4	7.3	3.9	5.6	7.8	3.1	2.5
Error degrees of freedom		82	82	82	246	82	82	82	82	320	566
CV (%)		8.6	11.2	9.3	9.7	36.3	20.7	13.3	37.6	24.9	14.1
R ² (%)		70	73	67	75	57	70	76	66	85	97

¹Group V nonirrigated yields at Stoneville were not reported because of extremely low yields. (E) = Experimental.

Table 9. Summary of Yields for Maturity Group V Late Roundup Ready for the 2000 Mississippi Soybean Variety Trials.¹

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Prairie	MSU	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AG 5701	Asgrow	68.1	60.5	73.2	67.3	15.8	13.7	33.1	20.9	44.1
AG 5802	Asgrow	62.7	49.8	64.7	59.1	12.4	15.6	25.1	17.7	38.4
AG 5901	Asgrow	60.4	55.6	56.5	57.5	9.7	15.6	31.3	18.9	38.2
AG 5902	Asgrow	67.1	59.0	68.8	65.0	11.7	17.0	33.2	21.3	43.1
AG 6101	Asgrow	60.7	49.8	66.6	59.1	14.5	14.7	30.0	19.3	39.2
AG 6201	Asgrow	61.8	49.3	65.5	58.9	18.5	14.6	31.7	21.6	40.3
590RR	Croplan Genetics	61.7	48.5	63.7	58.0	17.2	17.0	33.9	22.7	40.3
6299RR	Croplan Genetics	53.5	43.4	52.8	49.9	14.3	20.8	32.3	22.5	36.2
CX 580cRR	DEKALB	70.6	60.4	61.9	64.3	14.7	15.2	35.2	21.7	43.0
DG 5950RR	Delta Grow	62.2	56.6	59.2	59.3	13.7	13.7	35.5	21.0	40.1
DK 5762RR	Delta King	69.2	55.0	63.7	62.6	15.8	15.5	35.3	22.2	42.4
DK 5901RR	Delta King	63.3	42.7	59.2	55.1	15.1	15.1	24.5	18.2	36.7
DP 5806RR	Deltapine	63.8	51.2	64.9	60.0	12.0	20.1	36.1	22.7	41.4
DP 5915RR	Deltapine	57.8	54.6	64.1	58.8	18.9	17.3	34.4	23.5	41.2
DG 3582NRR	Dyna-Gro	65.5	52.3	64.2	60.7	19.1	13.8	36.4	22.5	42.7
ES 5700RR (E)	Eagle Seed	54.4	47.7	55.5	52.6	12.3	19.0	32.5	21.3	36.9
ES 5706RR (E)	Eagle Seed	51.5	44.7	58.0	51.4	16.6	16.4	31.6	21.6	36.5
ES 5707RR (E)	Eagle Seed	52.1	45.4	62.3	53.2	16.7	12.1	20.4	16.4	34.8
ES 5708RR (E)	Eagle Seed	47.3	40.0	54.5	47.3	10.9	14.9	23.4	16.4	31.8
ES 5902RR (E)	Eagle Seed	44.0	32.6	48.4	41.6	14.5	15.4	29.9	19.9	30.8
ES 5903RR (E)	Eagle Seed	45.0	41.7	54.3	47.0	8.9	10.4	21.7	13.7	30.3
H5885RR	Hartz	68.9	62.8	68.0	66.6	16.9	14.0	36.1	22.3	44.5
H5999RR	Hartz	56.8	51.9	70.4	59.7	13.6	13.0	35.5	20.7	40.2
HBK R5920	Hornbeck	66.2	50.3	61.3	59.3	13.0	14.9	33.5	20.5	39.9
HBK R6020	Hornbeck	68.0	57.1	64.2	63.1	20.6	13.4	30.3	21.4	42.3
HBK XR 575-99 (E)	Hornbeck	61.3	59.6	56.1	59.0	25.2	12.1	33.5	23.6	41.3
NK S59-V6RR	NK	67.5	66.6	70.5	68.2	11.8	13.2	34.3	19.8	44.0
95B95	Pioneer	69.5	60.5	76.3	68.8	10.2	16.1	24.0	16.8	42.8
96B21	Pioneer	66.2	59.2	73.4	66.3	9.8	16.4	35.1	20.4	43.4
Progeny 5900R	Progeny	65.4	58.2	65.8	63.2	20.8	12.5	34.3	22.5	42.8
SS RT 587N	So. States	61.5	50.1	53.7	55.1	19.4	14.7	30.6	21.5	38.3
SS RT 5999N	So. States	63.5	60.8	69.6	64.6	9.6	13.0	26.9	16.5	40.6
SS RT 6299N	So. States	63.9	34.2	51.7	50.0	10.2	6.7	23.9	13.6	31.8
TV 5866RR	Terral	54.5	47.3	61.7	54.5	10.5	13.2	28.8	17.5	36.0
TVX 5794RR (E)	Terral	49.9	41.6	59.2	50.2	10.8	12.3	27.4	16.8	33.5
TVX 59R901 (E)	Terral	61.9	50.7	66.9	59.8	16.7	14.7	35.0	22.1	41.0
TVX 62R901 (E)	Terral	52.3	48.4	62.4	54.4	18.7	18.9	30.4	22.7	38.5
USG 7599nRR	USG	64.6	53.6	62.0	60.1	13.8	15.7	31.5	20.3	40.2
Overall Mean		60.7	51.4	62.5	58.2	14.6	14.8	31.1	20.1	39.2
LSD (.10)		5.7	7.2	6.4	3.7	6.8	3.2	6.0	3.2	2.4
Error degrees of freedom		74	74	74	222	74	74	74	222	444
CV (%)		6.8	10.4	7.6	8.2	34.2	15.8	14.2	20.2	11.2
R ² (%)		81	88	74	84	52	74	72	88	97

¹Group V nonirrigated yields at Stoneville were not reported because of extremely low yields. (E) = Experimental.

Table 10. Summary of 2-Year Yields for Maturity Group IV Early for the 1999 and 2000 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Bolton	MSU	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
4882	AgriPro/Garst	68.4	52.6	70.3	16.7	52.0	38.2	34.5	26.8	33.1	43.9
DK 4680	Delta King	62.9	47.8	60.6	12.3	45.9	33.2	33.2	22.5	29.6	38.9
DP 3478	Deltapine	67.9	53.7	66.2	15.6	50.8	37.3	—	23.6	30.5	40.7
Dixie 478	Dixie	71.5	55.8	68.2	17.0	53.1	33.9	31.9	22.0	29.3	42.9
Overall Mean		67.7	52.5	66.3	15.4	50.5	35.6	33.2	23.7	30.7	41.9
LSD (.10)		4.2	6.7	5.3	3.2	2.4	3.1	4.7	4.3	2.1	1.6
Error degrees of freedom		12	12	12	12	48	12	8	12	24	56
CV (%)		6.1	12.5	7.8	20.0	9.7	8.6	13.2	17.8	12.2	10.2
R ² (%)		75	65	71	75	98	98	94	78	96	98

Table 11. Summary of 2-Year Yields for Maturity Group IV Late for the 1999 and 2000 Mississippi Soybean Variety Trials.¹

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Bolton	MSU	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
A4922	Asgrow	61.9	54.0	54.5	14.7	46.3	39.1	20.2	36.5	31.9	40.1
490	Croplan Genetics	63.6	63.4	69.6	7.7	51.1	26.4	20.8	35.3	27.5	41.0
DK 4965RR	Delta King	59.9	55.7	56.4	15.3	46.8	34.8	25.8	40.2	33.6	41.1
DK 4868RR	Delta King	73.7	65.8	72.3	16.5	57.1	39.4	27.8	39.8	35.6	47.9
DK 4762RR	Delta King	56.8	47.8	54.6	14.1	43.3	32.1	19.5	37.0	29.5	37.4
DP 3478	Deltapine	67.4	57.7	71.7	14.6	52.9	36.7	27.5	38.9	34.4	44.9
HBK 4891	Hornbeck	67.2	53.3	69.1	17.6	51.8	42.6	21.5	40.7	34.9	44.6
9482	Pioneer	64.4	61.7	65.0	12.9	51.0	40.7	24.1	41.0	35.3	44.3
9511	Pioneer	65.9	61.6	67.2	8.7	50.9	32.0	29.3	39.3	33.6	43.4
SS 4985STS	So. States	68.6	58.7	58.3	11.9	49.4	30.4	25.3	39.5	31.7	41.8
SS 495	So. States	67.1	67.8	72.5	10.4	54.4	30.0	27.1	37.4	31.5	44.6
SS 514N	So. States	64.7	57.1	58.9	12.5	48.3	34.4	26.4	40.3	33.7	42.0
TV4881	Terral	62.0	53.0	71.9	15.6	50.6	40.0	26.6	39.8	35.5	44.1
TV4975	Terral	70.4	67.0	70.7	9.8	54.5	25.2	27.7	39.6	30.8	44.3
DT97-4290 (E)	Public	71.3	64.8	71.8	14.7	55.6	30.0	30.5	38.6	33.1	46.0
Overall Mean		65.7	59.3	65.6	13.1	50.9	34.2	25.3	38.9	32.8	43.1
LSD (.10)		3.4	5.6	4.2	3.1	2.1	4.9	5.8	4.4	2.9	1.7
Error degrees of freedom		56	56	56	56	224	56	56	56	168	392
CV (%)		5.4	9.8	6.6	24.5	8.6	14.9	23.7	11.7	16.0	11.0
R ² (%)		83	75	84	73	98	93	75	54	88	97

¹(E) = Experimental.

Table 12. Summary of 2-Year Yields for Maturity Group V Early for the 1999 and 2000 Mississippi Soybean Variety Trials.¹

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Bolton	MSU	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
HY 574	AgriPro/Garst	66.7	58.7	65.1	63.5	19.9	24.1	41.0	28.3	45.9
A5547	Asgrow	66.0	62.4	65.5	64.6	32.0	23.2	40.4	31.9	48.3
520	Croplan Genetics	59.0	50.6	63.0	57.5	23.5	19.5	27.0	23.3	40.6
Robin 5	Croplan Genetics	65.1	54.2	64.8	61.4	28.9	29.4	45.0	34.4	47.9
DK 5580	Delta King	69.1	58.2	62.4	63.2	29.3	31.6	43.8	34.9	49.1
DK 5850	Delta King	66.2	58.5	59.7	61.5	30.5	29.8	41.3	33.9	47.7
DP 5354	Deltapine	62.3	66.4	69.1	65.9	27.4	18.5	40.4	28.8	47.3
95B33	Pioneer	58.8	59.5	62.3	60.2	34.5	26.0	32.1	30.9	45.5
9511	Pioneer	57.8	58.3	64.2	60.1	29.1	23.8	28.4	27.1	43.6
Progeny 5120N	Progeny	59.2	56.8	60.4	58.8	28.1	24.0	32.9	28.3	43.5
TV 5495	Terral	58.1	59.2	63.1	60.1	23.1	26.4	34.9	28.1	44.1
Anand	Public	–	–	–	–	–	16.3	35.3	25.8	25.8
Delsoy 5500	Public	65.3	62.5	68.5	65.4	31.4	26.4	38.3	32.0	48.7
ESSEX	Public	58.8	43.5	47.2	49.8	30.9	20.9	25.1	25.6	37.7
ESSEX RSV1 (E)	Public	58.5	53.3	47.7	53.2	30.2	23.2	31.0	28.1	40.6
ESSEX RSV4 (E)	Public	56.1	43.3	49.2	49.5	31.3	23.6	25.9	27.0	38.2
Hutcheson	Public	64.6	47.5	61.5	57.9	28.9	25.9	35.9	30.2	44.1
Overall Mean		62.0	55.8	60.9	59.5	28.7	24.8	35.2	29.6	44.5
LSD (.10)		4.9	4.3	5.6	2.8	4.8	5.2	6.6	3.2	2.1
Error degrees of freedom		60	60	60	180	60	60	60	180	360
CV (%)		8.1	8.0	9.5	8.6	17.4	21.7	19.5	19.6	12.3
R ² (%)		62	81	88	84	93	77	65	86	95

¹(E) = Experimental.

Table 13. Summary of 2-Year Yields for Maturity Group V Late for the 1999 and 2000 Mississippi Soybean Variety Trials.¹

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch ²	MSU	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
A5944	Asgrow	71.7	55.9	71.4	66.3	23.5	33.9	28.7	51.3
A5959	Asgrow	74.1	62.4	71.8	69.4	29.2	42.4	35.8	56.0
DK 5762RR	Delta King	64.3	56.3	61.2	60.6	–	33.9	–	–
DK 5961RR	Delta King	60.5	43.2	58.8	54.2	–	30.5	–	–
DK 5995	Delta King	72.4	59.3	72.2	68.0	30.1	42.4	36.2	55.3
HBK 5990	Hornbeck	69.3	58.7	68.3	65.4	29.9	40.9	35.4	53.4
HBK 5991	Hornbeck	72.8	68.9	71.3	71.0	–	41.3	–	–
NK S59-60	NK	72.8	68.8	69.4	70.3	26.2	41.6	33.9	55.8
9594	Pioneer	74.4	68.7	75.1	72.7	25.3	39.6	32.4	56.6
SS 597N	So. States	62.3	52.6	64.6	59.8	26.2	40.0	33.1	49.1
TV 5893	Terral	68.2	59.5	64.5	64.1	24.1	41.9	33.0	51.6
TV 5926	Terral	61.9	53.2	60.1	58.4	25.1	39.4	32.3	47.9
Bolivar	Public	62.3	58.1	70.3	63.6	30.0	36.3	33.1	51.4
Caviness	Public	61.9	54.8	62.1	59.6	31.9	34.0	33.0	48.9
DT96-6840 (E)	Public	68.5	63.7	73.1	68.4	–	40.5	–	–
DT96-16809 (E)	Public	65.9	66.4	71.9	68.1	–	38.4	–	–
Hutcheson	Public	61.3	51.0	58.8	57.0	27.4	25.7	26.5	44.8
R95-2210 (E)	Public	65.8	55.2	66.9	62.6	–	38.5	–	–
UAR-5798	Public	65.9	61.9	67.3	65.0	21.3	36.9	29.1	50.7
V91-3036 (E)	Public	65.3	57.4	57.0	59.9	27.8	38.5	33.2	49.2
Overall Mean		67.1	58.8	66.8	64.2	27.0	37.8	32.5	51.6
LSD (.10)		4.5	4.8	4.9	2.7	6.3	4.9	3.9	2.2
Error degrees of freedom		76	76	76	228	52	76	104	260
CV (%)		7.0	8.4	7.7	7.7	24.3	13.5	17.5	10.0
R ² (%)		70	78	82	82	83	75	86	95

¹(E) = Experimental.

²Average of 1998 and 2000.

Table 14. Summary of 2-Year Yields for Maturity Group IV Early Roundup Ready for the 1999 and 2000 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
4888RR	AgriPro/Garst	62.2	60.7	65.6	10.1	49.7
AG 4601	Asgrow	57.4	52.2	54.8	20.0	46.0
AG 4602	Asgrow	60.3	50.3	61.8	19.2	47.9
AG 4702	Asgrow	54.9	60.7	61.8	17.6	48.7
466RR	Croplan Genetics	51.5	52.8	58.5	15.8	44.6
DP 4690RR	Deltapine	67.7	59.4	67.6	12.6	51.8
DG 3463NRR	Dyna-Gro	53.9	52.2	59.7	19.4	46.3
D472RR/N	Garst	50.0	55.9	60.0	19.8	46.4
HBK R4660	Hornbeck	51.6	55.4	61.8	16.3	46.3
TV 4589RR	Terral	54.6	51.9	56.9	19.4	45.7
TV4787RR	Terral	64.2	56.1	62.4	8.9	47.9
Overall Mean		57.1	55.2	61.0	16.2	47.4
LSD (.10)		5.5	6.0	3.2	2.6	2.2
Error degrees of freedom		40	40	40	40	160
CV (%)		10.0	11.2	5.4	16.6	9.9
R ² (%)		84	71	71	80	97

Table 15. Summary of 2-Year Yields for Maturity Group IV Late Roundup Ready for the 1999 and 2000 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	MSU	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	
AG 4601	Asgrow	57.1	51.4	53.6	18.3	45.1	30.8	42.2
AG 4901	Asgrow	53.5	53.4	53.3	15.3	43.6	31.2	41.1
AG 4902	Asgrow	58.5	54.5	57.2	15.1	46.3	38.5	44.7
480RR	Croplan Genetics	60.9	56.6	59.1	16.1	48.2	33.8	45.3
4979RR	Croplan Genetics	57.9	56.2	59.8	3.3	44.3	26.3	40.7
DK 4868RR	Delta King	73.3	70.0	69.7	15.6	57.1	38.8	53.5
DK 4965RR	Delta King	58.8	61.2	57.9	15.3	48.0	39.9	46.4
SG 498RR	Deltapine	71.4	67.8	61.4	11.9	53.1	32.0	48.9
HBK R4855	Hornbeck	59.2	50.4	60.0	11.8	45.1	29.8	42.0
NK S51-T1	NK	63.3	60.0	61.1	6.4	47.7	33.3	44.8
9492	Pioneer	57.7	60.9	58.8	18.5	49.0	36.2	46.4
SS RT517N	So. States	61.8	55.7	61.5	18.7	49.4	39.6	47.5
TV 4890RR	Terral	55.5	56.8	58.5	15.9	46.7	35.5	44.4
Overall Mean		60.7	58.1	59.3	13.8	47.8	34.5	45.1
LSD (.10)		4.5	7.3	5.0	2.3	2.5	6.3	2.4
Error degrees of freedom		48	48	48	48	192	48	240
CV (%)		7.7	13.1	8.7	16.9	11.0	18.9	12.2
R ² (%)		86	68	72	87	96	64	95

Table 16. Summary of 2-Year Yields for Maturity Group V Early Roundup Ready for the 1999 and 2000 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	MSU	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
569RR/N	AgriPro/Garst	58.0	51.7	59.5	56.4	36.2	51.3
AG5001	Asgrow	55.5	48.0	62.9	55.5	26.1	48.1
AG 5602	Asgrow	62.2	60.0	57.3	63.2	30.2	54.9
556RR	Croplan Genetics	53.1	49.9	59.7	54.2	33.5	49.1
DP 5644RR	Deltapine	64.0	64.6	67.1	65.2	35.6	57.8
HBK R5588	Hornbeck	60.9	53.7	64.3	59.6	33.5	53.1
NK S59-V6RR	NK	69.8	63.6	68.9	67.4	37.1	59.8
9492	Pioneer	50.0	53.0	57.5	53.5	26.3	46.7
95B53	Pioneer	67.9	68.7	62.7	66.4	39.0	59.6
SS RT557N	So. States	54.5	57.2	65.9	59.2	38.8	54.1
TV 5486RR	Terral	60.5	51.9	61.4	57.9	36.9	52.7
TV 5666RR	Terral	56.2	53.9	62.7	57.6	34.8	51.9
USG 7547RR	USG	51.3	49.7	54.6	51.9	36.8	48.1
USG 7557RR	USG	60.9	54.4	62.7	59.3	32.9	52.7
Overall Mean		58.9	55.7	62.6	59.1	33.7	52.3
LSD (.10)		4.4	5.4	4.3	2.7	4.2	2.1
Error degrees of freedom		52	52	52	156	52	208
CV (%)		7.6	10.1	7.2	8.3	12.9	8.6
R ² (%)		81	81	79	82	79	93

Table 17. Summary of 2-Year Yields for Maturity Group V Late Roundup Ready for the 1999 and 2000 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	MSU	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AG5701	Asgrow	70.5	64.7	74.4	69.8	39.2	62.2
AG5802	Asgrow	62.1	56.4	66.2	61.5	31.1	53.9
AG5901	Asgrow	58.5	58.0	61.0	59.2	35.7	53.3
590RR	Croplan Genetics	57.9	58.5	67.0	64.5	37.0	57.6
CX 580cRR	DEKALB	69.9	61.9	65.9	65.9	36.3	58.5
DG 5950RR	Delta Grow	67.5	61.5	65.4	64.8	38.0	58.1
DK 5762RR	Delta King	70.2	60.3	67.4	66.0	31.5	57.3
DK 5961RR	Delta King	64.9	48.8	62.5	58.7	30.5	51.7
DP 5806RR	Deltapine	65.4	58.4	64.6	62.8	41.3	57.4
DP 5915RR	Deltapine	60.3	61.0	67.7	63.0	44.2	58.3
H5999RR	Hartz	55.7	56.8	71.4	61.3	40.6	56.1
HBK R5920	Hornbeck	67.4	58.0	66.1	63.8	39.0	57.6
HBK R6020	Hornbeck	67.5	63.4	69.5	66.8	37.7	59.5
NK S59-V6RR	NK	71.1	67.9	70.6	69.8	36.2	61.4
SS RT 587N	So. States	60.3	51.3	59.3	57.0	33.9	51.2
USG 7599nRR	USG	67.0	59.6	65.8	64.1	37.3	57.4
Overall Mean		65.7	59.0	66.5	63.7	36.3	56.9
LSD (.10)		4.2	4.3	3.3	2.3	6.5	2.3
Error degrees of freedom		56	56	56	168	56	224
CV (%)		6.6	7.6	5.2	6.5	18.4	8.6
R ² (%)		72	81	81	83	60	93

Table 18. Summary of 3-Year Yields for Maturity Group IV Early for the 1998, 1999, and 2000 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
DP 3478	Deltapine	67.9	66.7	18.9	51.1	46.2	32.9	39.5	46.5
Dixie 478	Dixie	68.3	67.4	17.3	51.0	42.7	29.9	36.3	45.1
Overall Mean		68.4	67.0	18.1	51.2	44.5	31.4	37.9	45.9
LSD (.10)		2.9	2.8	2.3	1.4	3.5	3.2	2.2	1.2
Error degrees of freedom		6	6	6	18	6	6	12	30
CV (%)		4.6	4.6	14.1	5.7	8.6	11.1	9.7	7.1
R ² (%)		83	86	90	99	98	98	98	99

Table 19. Summary of 3-Year Yields for Maturity Group IV Late for the 1998, 1999, and 2000 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
A4922	Asgrow	61.4	56.7	16.4	44.9	44.7	38.1	41.4	43.5
490	Croplan Genetics	62.8	66.7	9.5	46.3	33.1	40.1	36.6	42.4
DP 3478	Deltapine	65.5	68.5	15.7	49.9	43.5	40.7	42.1	46.8
9482	Pioneer	65.5	67.2	17.1	49.9	45.6	44.3	45.0	47.9
9511	Pioneer	66.9	66.0	11.5	48.1	37.0	44.5	40.7	45.2
SS 495	So. States	66.4	70.5	12.8	49.9	39.6	41.9	40.8	46.2
TV4975	Terral	67.5	67.7	11.8	49.0	34.7	42.5	38.6	44.8
Overall Mean		65.1	66.3	13.5	48.3	39.7	41.7	40.7	45.3
LSD (.10)		3.1	3.4	2.4	1.7	4.5	2.5	2.5	1.4
Error degrees of freedom		36	36	36	108	36	36	72	180
CV (%)		5.9	6.4	22.5	7.8	14.2	7.6	11.2	9.1
R ² (%)		72	79	83	99	93	88	93	98

**Table 20. Summary of 3-Year Yields for Maturity Group V Early
for the 1998, 1999, and 2000 Mississippi Soybean Variety Trials.¹**

Variety	Brand	Clarksdale	Stoneville Irr.	Delta avg.	Olive Branch	MSU	Hill avg.		Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>			
HY 574	AgriPro/Garst	65.6	60.8	63.2	30.5	43.1	36.8		50.0
A5547	Asgrow	68.7	64.0	66.4	39.6	40.7	40.2		53.3
520	Croplan Genetics	62.8	58.5	60.7	26.6	31.1	28.9		44.8
Robin 5	Croplan Genetics	67.0	61.4	64.2	33.2	44.0	38.6		51.4
DK 5850	Delta King	66.0	61.4	63.7	38.3	41.2	39.8		51.7
DP 5354	Deltapine	66.1	66.4	66.2	35.7	41.4	38.5		52.4
95B33	Pioneer	63.3	66.3	64.8	43.3	37.0	40.1		52.5
9511	Pioneer	61.1	64.1	62.6	35.6	34.3	34.9		48.8
TV 5495	Terral	59.1	58.5	58.8	33.0	38.3	35.6		47.2
Delsoy 5500	Public	67.9	66.1	67.0	34.7	37.8	36.3		51.6
ESSEX	Public	62.6	50.3	56.5	33.7	27.9	30.8		43.6
ESSEX RSV1 (E)	Public	63.9	49.3	56.6	34.6	31.6	33.1		44.9
Hutcheson	Public	68.6	57.5	63.0	35.6	37.8	36.7		49.9
Overall Mean		64.8	60.4	62.6	34.9	37.4	36.2		49.4
LSD (.10)		3.5	3.9	2.6	4.9	4.7	3.3		3.0
Error degrees of freedom		72	72	144	72	72	144		216
CV (%)		6.9	8.2	7.5	17.7	15.9	16.8		15.6
R ² (%)		75	89	86	92	70	88		86

¹(E) = Experimental.

**Table 21. Summary of 3-Year Yields for Maturity Group V Late
for the 1998, 1999, and 2000 Mississippi Soybean Variety Trials.¹**

Variety	Brand	Clarksdale	Stoneville Irr.	Delta avg.	MSU	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
A5944	Asgrow	74.4	67.2	70.8	36.3	59.3
A5959	Asgrow	76.8	65.5	71.1	43.0	61.7
DK 5995	Delta King	76.0	71.5	73.7	43.5	63.6
HBK 5990	Hornbeck	69.8	63.7	66.8	41.4	58.3
NK S59-60	NK	73.6	67.1	70.4	42.8	61.2
9594	Pioneer	74.6	71.0	72.8	41.6	62.4
SS 597N	So. States	63.6	60.5	62.1	39.5	54.5
TV 5893	Terral	67.8	61.5	64.6	44.1	57.8
TV 5926	Terral	65.3	56.8	61.1	38.3	53.5
Bolivar	Public	64.1	69.1	66.6	40.0	57.7
Caviness	Public	66.7	61.9	64.3	35.8	54.8
Hutcheson	Public	65.8	57.8	61.8	30.5	51.4
UAR-5798	Public	68.9	63.5	66.2	39.0	57.1
V91-3036 (E)	Public	66.5	55.3	60.9	36.1	52.6
Overall Mean		69.6	63.8	66.7	39.4	57.6
LSD (.10)		3.1	4.1	2.5	3.3	2.0
Error degrees of freedom		78	78	156	78	234
CV (%)		5.7	8.1	6.9	10.6	7.8
R ² (%)		81	82	84	81	95

¹(E) = Experimental.

Table 22. Summary of 3-Year Yields for Maturity Group IV Early Roundup Ready for the 1998, 1999, and 2000 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Stoneville Irr.	Stoneville Nonirr.	Delta avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AG 4601	Asgrow	61.2	60.6	26.6	49.5
AG 4602	Asgrow	61.5	63.4	25.2	50.1
AG 4702	Asgrow	58.5	63.0	23.0	48.2
466RR	Croplan Genetics	56.6	60.3	23.3	46.7
D472RR/N	Garst	55.3	61.2	25.0	47.2
Overall Mean		58.6	61.7	24.6	48.3
LSD (.10)		3.0	2.8	1.9	1.5
Error degrees of freedom		24	24	24	72
CV (%)		6.4	5.7	9.6	6.8
R ² (%)		93	77	97	98

Table 23. Summary of 3-Year Yields for Maturity Group IV Late Roundup Ready for the 1998, 1999, and 2000 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	MSU	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AG 4901	Asgrow	56.9	55.7	22.8	45.1	36.1	42.9
DK 4965RR	Delta King	63.0	59.3	20.3	47.5	–	–
SG 498RR	Deltapine	68.9	65.5	19.2	51.2	36.5	47.5
9492	Pioneer	61.2	61.5	25.3	49.3	41.9	47.5
Overall Mean		62.5	60.5	21.9	48.3	38.2	46.0
LSD (.10)		3.1	3.1	3.0	1.7	4.4	1.6
Error degrees of freedom		18	18	18	54	12	48
CV (%)		6.2	6.3	16.7	7.8	13.6	8.9
R ² (%)		90	82	94	98	87	98

Table 24. Summary of 3-Year Yields for Maturity Group V Early Roundup Ready for the 1998, 1999, and 2000 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Stoneville Nonirr.	Delta avg.	MSU	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AG 5602	Asgrow	65.8	66.4	66.1	30.6	54.3
556RR	Croplan Genetics	54.5	59.1	56.8	34.6	49.4
DP 5644RR	Deltapine	58.9	65.6	62.2	36.7	53.7
HBK R5588	Hornbeck	61.2	63.5	62.4	36.5	53.7
SS RT557N	So. States	56.4	66.4	61.4	40.3	54.4
TV 5666RR	Terral	54.4	60.9	57.6	35.8	50.4
Overall Mean		58.5	63.6	61.1	35.7	52.6
LSD (.10)		4.2	2.3	2.4	3.4	1.9
Error degrees of freedom		30	30	60	30	90
CV (%)		9.0	4.5	6.9	11.9	8.0
R ² (%)		78	85	83	74	95

Table 25. Summary of 3-Year Yields for Maturity Group V Late Roundup Ready for the 1998, 1999, and 2000 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Stoneville Nonirr.	Delta avg.	MSU	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AG 5901	Asgrow	57.2	58.5	57.9	36.1	50.6
DK 5961RR	Delta King	63.8	58.5	61.1	29.2	50.5
DP 5806RR	Deltapine	59.7	58.2	59.0	41.0	53.0
H5999RR	Hartz	56.0	64.3	60.2	38.5	52.9
NK S59-V6RR	NK	65.8	63.8	64.8	39.6	56.4
Overall Mean		60.5	60.7	60.6	36.9	52.7
LSD (.10)		3.3	3.0	2.2	4.3	2.0
Error degrees of freedom		24	24	48	24	72
CV (%)		6.9	6.2	6.5	14.4	8.5
R ² (%)		88	92	90	79	95

Location 1. MAFES Delta Branch, Stoneville

Location Summary

The field was in very good condition for planting. It was piped smooth after tillage in the fall. During early spring, the field was burned down and planted into good soil moisture. The

soybeans emerged to a very good stand. May and June had adequate rainfall, but the July and August drought had a tremendous impact on the nonirrigated test.

Soil type	Sharkey clay
Soil pH	7.4
Soil fertility	P-H+, K-H+
Fertilizer added	None
Herbicide application	Burndown - Gramoxone Extra @ 32 oz/A Preemergence - Squadron @ 3 pt/A + Prowl @ 0.6 pt/A (Conventional Test) Postemergence - Storm @ 1.5 pt/A (Conventional Test) - May 25 Roundup Ultra @ 32 oz/A (Roundup Ready Test) - May 26 Reflex @ 1.5 pt/A + Poast Plus @ 1.5 pt/A (Conventional Test) - June 27 Roundup Ultra @ 32 oz/A (Roundup Ready Test) - June 28
Cultivation	Cultivated/cleaned middles out - June 13
Irrigation	July 7, July 17, August 6, August 17, August 24, and September 1 (Conventional and RR Tests)
Planting date	April 26 - Group IV April 27 - Group V and VI
Harvest date	September 6 - Group IV E and L, Conventional and Roundup Ready Nonirrigated September 21 - Group IV E, Conventional and Roundup Ready Irrigated September 29 - Group IV L, Conventional and Roundup Ready Irrigated October 3 - Group V E, Conventional and Roundup Ready Irrigated October 11 - Group V L, Conventional and Roundup Ready Irrigated October 16 - Group VI, Irrigated

Table 26. Maturity Group IV Early Soybeans Planted April 26, 2000, and Irrigated (Delta Branch Experiment Station, Stoneville).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
4882	AgriPro/Garst	66.0	71.1	69.5	9/16	35	2
DP 3478	Deltapine	57.6	63.3	69.1	9/16	31	1
Dixie 478	Dixie	–	68.3	68.0	9/10	36	2
SS 439	SS	–	–	60.7	9/08	29	1
A4324	Asgrow	–	–	54.6	9/07	27	1
DK 4680	Delta King	–	67.3	53.9	9/11	23	2
Overall Mean		57.3	62.9	62.6			
LSD (.10)		5.7	12.8	6.7			
Error degrees of freedom		30	26	10			
CV (%)		7.2	14.6	7.2			
R ² (%)		82	59	80			

¹Sharkey clay soil.

Rainfall Summary

	Inches
April	11.09
May	6.93
June	6.13
July	0.64
August	0
September	2.59
October	0.61
Total	27.99

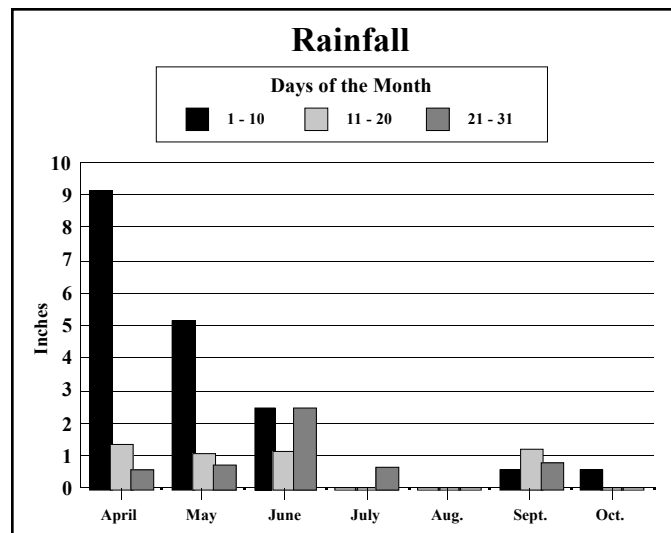


Table 27. Maturity Group IV Late Soybeans Planted April 26, 2000, and Irrigated (Delta Branch Experiment Station, Stoneville).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
4910	Progeny	–	–	77.1	9/22	33	2
TV 4975	Terral	61.6	70.7	70.7	9/22	36	2
DT97-4290 (E)	Public	–	73.6	70.0	9/21	34	3
DP 3478	Deltapine	62.1	74.4	69.0	9/16	29	3
SS 495	SS	–	76.1	69.0	9/22	32	2
DP4748S	Deltapine	–	–	69.0	9/16	37	1
DPX 4910S (E)	Deltapine	–	–	68.7	9/20	32	2
DK 4868RR	Delta King	–	76.7	67.9	9/20	29	1
SS XP4899 (E)	SS	–	–	67.7	9/13	39	3
HBK 4891	Hornbeck	–	70.9	67.3	9/16	25	1
DP 4909	Deltapine	–	–	66.1	9/22	36	3
DK 4711	Delta King	–	–	65.6	9/16	27	2
TV4881	Terral	–	78.6	65.1	9/16	26	1
9482	Pioneer	71.7	65.7	64.2	9/08	23	1
490	Croplan Genetics	60.8	75.3	63.9	9/26	26	3
9511	Pioneer	63.7	72.9	61.5	9/17	32	3
TN93-87 (E)	Public	–	–	59.9	9/14	18	1
DK 4965	Delta King	–	57.0	55.7	9/17	28	1
SS 4985STS	SS	–	62.2	54.4	9/10	20	1
SS 514N	SS	–	64.6	53.2	9/12	22	1
DK 4762RR	Delta King	50.3	56.5	52.7	9/14	34	2
A4922	Asgrow	61.2	60.2	48.8	9/06	26	1
Overall Mean		61.9	68.5	64.0			
LSD (.10)		5.7	5.5	6.9			
Error degrees of freedom		36	54	42			
CV (%)		6.7	5.9	7.9			
R ² (%)		81	82	75			

¹Sharkey clay soil. (E) = Experimental.

Table 28. Maturity Group IV Early Soybeans Planted April 26, 2000, and Not Irrigated (Delta Branch Experiment Station, Stoneville).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
Dixie 478	Dixie	17.7	14.6	19.5	8/27	31	1
SS 439	SS	–	–	18.4	8/18	30	2
4882	AgriPro/Garst	–	15.8	17.6	8/30	31	1
A4324	Asgrow	–	–	16.5	8/17	20	1
DP 3478	Deltapine	25.5	15.1	16.0	8/28	32	1
DK 4680	Delta King	–	11.8	12.7	8/30	28	1
Overall Mean		22.0	16.1	16.8			
LSD (.10)		3.1	3.5	5.4			
Error degrees of freedom		28	26	10			
CV (%)		10.0	15.7	21.7			
R ² (%)		77	82	56			

¹Sharkey clay soil.

Table 29. Maturity Group IV Late Soybeans Planted April 26, 2000, and Not Irrigated (Delta Branch Experiment Station, Stoneville).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DP4748S	Deltapine	–	–	20.2	8/30	31	1
DK 4868RR	Delta King	–	14.2	18.8	8/28	27	1
HBK 4891	Hornbeck	–	16.8	18.3	8/28	29	1
4910	Progeny	–	–	17.3	8/28	32	2
SS XP4899 (E)	SS	–	–	16.3	8/28	27	1
TN93-87 (E)	Public	–	–	15.8	8/30	23	1
DP 3478	Deltapine	18.1	13.8	15.4	8/29	27	2
DK 4965RR	Delta King	–	15.7	15.0	9/04	26	2
TV4881	Terral	–	16.4	14.8	8/29	27	1
9482	Pioneer	25.4	11.1	14.7	8/28	29	2
DT97-4290 (E)	Public	–	15.3	14.0	9/04	28	2
DK 4711	Delta King	–	–	13.8	8/28	23	1
A4922	Asgrow	19.9	16.4	12.9	8/29	26	1
DPX 4910S (E)	Deltapine	–	–	12.6	9/04	31	2
DK 4762RR	Delta King	–	15.8	12.4	9/04	33	1
DP 4909	Deltapine	–	–	10.5	9/06	33	2
SS 4985STS	SS	–	13.5	10.3	8/30	23	1
TV 4975	Terral	15.7	9.6	10.0	9/06	37	2
SS 514N	SS	–	16.0	9.1	9/05	24	1
SS 495	SS	–	12.2	8.7	9/03	27	2
9511	Pioneer	17.1	12.5	5.0	9/03	30	2
490	Croplan Genetics	13.1	12.1	3.3	9/04	29	1
Overall Mean		18.8	14.1	13.1			
LSD (.10)		3.6	5.4	3.7			
Error degrees of freedom		36	54	42			
CV (%)		14.0	28.0	20.7			
R ² (%)		69	58	80			

¹Sharkey clay soil. (E) = Experimental.

**Table 30. Maturity Group V Early Soybeans Planted April 27, 2000, and Irrigated
(Delta Branch Experiment Station, Stoneville).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DP 5655	Deltapine	–	–	67.8	9/21	35	3
5600	Progeny	–	–	65.6	9/20	17	1
DK 5668RR	Delta King	–	–	64.6	10/4	18	1
DK 5366RR	Delta King	–	–	64.2	9/21	21	1
DP 5354	Deltapine	60.9	74.6	63.6	9/20	22	1
Delsoy 5500	Public	61.3	74.7	62.3	9/22	13	1
TV5495	Terral	49.3	63.9	62.3	9/22	33	2
S96-2692 (E)	Public	–	–	60.8	9/21	17	1
DK 5580	Delta King	–	64.9	59.9	9/22	21	1
520	Croplan Genetics	49.7	66.3	59.7	9/20	36	3
9511	Pioneer	63.9	72.0	56.4	9/21	36	3
DT97-6308 (E)	Public	–	–	56.3	9/17	32	1
MFA Morsoy 5080	Morsoy	–	–	56.0	9/25	29	1
DK 5661RR	Delta King	–	69.3	55.8	9/22	12	1
Progeny 5120N	Progeny	–	65.5	55.2	9/18	15	1
DK 5850	Delta King	64.7	64.9	54.5	9/22	20	1
HY 574	AgriPro/Garst	52.2	75.7	54.5	10/1	32	1
X056 (E)	NK	–	–	54.4	10/0	48	3
DK 5267RR	Delta King	–	–	54.4	9/17	22	1
95B33	Pioneer	74.5	70.5	54.1	9/21	17	1
Robin 5	Croplan Genetics	54.7	75.9	53.7	9/26	24	2
A5547	Asgrow	61.1	78.5	52.4	9/21	23	1
Hutcheson	Public	49.6	71.9	51.1	9/22	13	1
DK 5465RR	Delta King	–	–	49.0	10/4	17	1
Anand	Public	–	–	44.8	9/20	17	1
Essex RSV1-n (E)	Public	–	–	36.8	9/18	15	1
Essex RSV4 (E)	Public	–	62.9	35.5	9/19	13	1
Essex	Public	56.5	63.0	31.5	9/19	12	1
Essex RSV3 (E)	Public	–	–	27.9	9/17	15	1
Essex RSV1 (E)	Public	52.5	67.9	27.5	9/17	16	1
Overall Mean		55.8	68.0	53.1			
LSD (.10)		5.2	5.2	9.0			
Error degrees of freedom		62	58	58			
CV (%)		6.9	5.6	12.4			
R ² (%)		85	75	81			

¹Sharkey clay soil. (E) = Experimental.

**Table 31. Maturity Group V Late Soybeans Planted April 27, 2000, and Irrigated
(Delta Branch Experiment Station, Stoneville).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
9594	Pioneer	62.9	76.4	73.7	9/25	24	1
HBK 5990	Hornbeck	54.6	69.2	67.4	9/24	25	1
HBK 5991	Hornbeck	–	76.1	66.4	9/27	20	2
DP5989	Deltapine	–	–	65.7	10/4	35	3
DT96-6840 (E)	Public	–	80.6	65.6	9/26	20	1
DK 5995	Delta King	70.1	79.6	64.8	9/27	24	1
A5944	Asgrow	58.8	77.9	64.8	10/0	20	1
S59-60	NK	62.5	74.3	64.6	9/26	23	1
A5959	Asgrow	52.9	79.0	64.6	9/27	19	1
Bolivar	Public	66.7	76.5	64.1	9/24	34	2
R95-2210 (E)	Public	–	69.7	64.1	10/1	23	2
DT96-16809 (E)	Public	–	79.8	64.0	9/26	24	1
TV 5893	Terral	55.4	66.7	62.4	9/25	30	2
DG 5940	Delta Grow	–	–	61.6	10/3	14	1
UARK-5798	Public	55.9	73.1	61.5	10/2	26	1
SS 597N	SS	52.3	69.1	60.0	9/26	22	1
DPX 5877 (E)	Deltapine	–	–	59.0	10/1	33	2
S94-1867 (E)	Public	–	–	58.8	9/24	25	1
X057R (E)	NK	–	–	56.1	10/3	25	2
TV5926	Terral	50.3	64.7	55.4	10/4	21	1
S96-2641 (E)	Public	–	–	55.0	9/26	25	1
X058R (E)	NK	–	–	54.9	10/1	18	1
Caviness	Public	61.6	70.4	53.9	9/21	23	1
TN93-99 (E)	Public	–	–	53.3	9/21	15	1
DK 5961RR	Delta King	–	64.4	53.2	10/4	20	0
Hutcheson	Public	55.8	68.5	49.1	9/22	16	1
V91-3036 (E)	Public	51.9	65.0	49.1	9/25	21	1
DK 5762RR	Delta King	–	73.9	48.6	9/22	24	1
5799	Dixie	–	–	46.8	9/26	16	1
TN94-213 (E)	Public	–	–	40.0	9/22	19	1
Overall Mean		57.7	71.0	59.0			
LSD (.10)		6.6	4.2	7.6			
Error degrees of freedom		56	68	66			
CV (%)		8.4	4.3	10.7			
R ² (%)		66	80	95			

¹Sharkey clay soil. (E) = Experimental.

Table 32. Roundup Ready Maturity Group IV Early Soybeans Planted April 26, 2000, and Irrigated (Delta Branch Experiment Station, Stoneville).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
AG4403	Asgrow	–	–	67.7	9/07	32	2
DP 4690RR	Deltapine	–	69.0	66.2	9/16	27	2
HBK R4660	Hornbeck	–	59.2	64.5	9/08	21	2
4888RR	AgriPro/Garst	–	67.0	64.2	9/09	26	2
SS RT446N	SS	–	–	62.7	9/07	30	2
D472RR/N	Garst	63.5	58.4	61.7	9/07	30	2
AG4702	Asgrow	65.6	62.6	60.9	9/16	29	2
466RR	Croplan Genetics	61.1	56.2	60.8	9/08	28	2
TV4787RR	Terral	–	64.8	60.0	9/16	30	2
AG4602	Asgrow	66.7	64.5	59.1	9/09	29	1
TV4589RR	Terral	–	55.1	58.6	9/08	29	2
3463NRR	Dyna-Gro	–	60.8	58.6	9/08	29	1
AG4601	Asgrow	72.2	56.0	53.5	9/09	26	2
DP4344RR	Deltapine	–	–	50.9	9/09	33	2
94B41	Pioneer	–	–	49.6	9/07	22	1
Overall Mean		65.2	61.1	59.9			
LSD (.10)		4.9	4.8	4.8			
Error degrees of freedom		30	40	28			
CV (%)		5.4	5.7	5.7			
R ² (%)		59	72	78			
¹ Sharkey clay soil.							

Table 33. Roundup Ready Maturity Group IV Late Soybeans Planted April 26, 2000, and Irrigated (Delta Branch Experiment Station, Stoneville).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
Morsoy RT4809	Morsoy	–	–	71.7	9/13	28	2
DK 4868RR	Delta King	–	71.9	67.4	9/16	23	1
SS XP RT4980 (E)	SS	–	–	63.3	9/16	27	2
SG498RR	Deltapine	73.8	59.5	63.3	9/15	22	2
HBK R4920	Hornbeck	–	–	62.0	9/16	30	2
H4994RR	Hartz	–	–	61.8	9/15	21	2
4803RR	Dixie	–	–	61.3	9/10	31	2
TV4886RR	Terral	–	–	60.2	9/07	39	2
SS RT517N	SS	–	62.9	60.0	9/14	26	1
H4884RR	Hartz	–	–	60.0	9/10	32	2
DG 4850RR	Delta Grow	–	–	59.6	9/08	33	2
Genesis A484	Genesis	–	–	59.1	9/19	34	2
9492	Pioneer	66.7	58.8	58.8	9/07	26	2
480RR	Croplan Genetics	–	59.7	58.5	9/15	30	2
TV4890RR	Terral	–	59.6	57.3	9/07	27	2
AG4702	Asgrow	–	–	56.8	9/10	29	2
3484NRR	Dyna-Gro	–	–	56.6	9/10	21	1
TVX48R908 (E)	Terral	–	–	56.5	9/10	26	1
DK 4965RR	Delta King	62.1	60.6	55.3	9/10	29	2
HBK R4855	Hornbeck	–	63.4	54.6	9/10	27	2
TVX48R901 (E)	Terral	–	–	54.0	9/10	30	2
ES 4902RR (E)	ES	–	–	53.6	9/21	40	3
AG4601	Asgrow	–	53.6	53.5	9/09	26	2
Genesis A504	Genesis	–	–	53.1	9/10	28	2
AG4902	Asgrow	–	61.4	53.0	9/16	28	2
DK 4762RR	Delta King	65.3	55.9	52.5	9/07	30	2
AG4901	Asgrow	60.5	54.6	52.0	9/10	29	2
S51-TI	NK	–	71.0	51.3	9/21	27	2
4979RR	Croplan Genetics	–	69.5	50.1	9/25	38	4
Overall Mean		62.2	61.7	57.8			
LSD (.10)		6.4	8.7	4.9			
Error degrees of freedom		26	34	56			
CV (%)		7.3	10.2	6.2			
R ² (%)		66	62	75			

¹Sharkey clay soil. (E) = Experimental.

Table 34. Roundup Ready Maturity Group IV Early Soybeans Planted April 26, 2000, and Not Irrigated (Delta Branch Experiment Station, Stoneville).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
SS RT446N	SS	–	–	19.8	8/18	32	1
AG4601	Asgrow	40.4	20.0	19.4	8/20	26	2
3463NRR	Dyna-Gro	–	19.6	19.2	8/19	35	2
AG4602	Asgrow	37.2	19.7	18.7	8/20	30	1
D472RR/N	Garst	35.5	21.1	18.5	8/19	35	1
TV4589RR	Terral	–	20.6	18.2	8/17	32	1
DP4344RR	Deltapine	–	–	16.3	8/28	37	2
AG4403	Asgrow	–	–	16.3	8/18	30	1
HBK R4660	Hornbeck	–	16.6	15.9	8/20	34	1
AG4702	Asgrow	33.7	19.6	15.7	8/20	31	1
466RR	Croplan Genetics	38.5	16.5	15.1	8/20	35	1
94B41	Pioneer	–	–	15.0	8/17	26	2
DP 4690RR	Deltapine	–	13.6	11.6	8/19	32	1
4888RR	AgriPro/Garst	–	9.6	10.6	8/20	32	1
TV4787RR	Terral	–	12.0	5.7	8/19	33	1
Overall Mean		35.8	15.5	15.7			
LSD (.10)		4.0	3.6	4.2			
Error degrees of freedom		30	40	28			
CV (%)		8.2	16.8	19.2			
R ² (%)		74	78	74			

¹Sharkey clay soil.

Table 35. Roundup Ready Maturity Group IV Late Soybeans Planted April 26, 2000, and Not Irrigated (Delta Branch Experiment Station, Stoneville).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
AG4702	Asgrow	–	–	19.8	8/20	32	2
9492	Pioneer	39.1	17.9	19.0	8/20	30	2
AG4601	Asgrow	–	17.7	18.9	8/20	29	2
TVX48R908 (E)	Terral	–	–	18.1	8/20	36	2
SS RT517N	SS	–	19.4	18.1	8/28	28	2
AG4902	Asgrow	–	13.3	17.0	8/28	30	2
DK 4868RR	Delta King	–	14.2	16.9	8/19	30	2
480RR	Croplan Genetics	–	15.8	16.5	8/18	34	2
H4884RR	Hartz	–	–	15.6	8/19	35	2
H4994RR	Hartz	–	–	15.6	8/29	28	2
TV4890RR	Terral	–	16.4	15.4	8/19	35	2
AG4901	Asgrow	–	13.4	15.1	8/20	31	2
DK 4762RR	Delta King	32.1	14.1	14.6	9/03	35	2
3484NRR	Dyna-Gro	–	–	14.6	8/19	34	2
Morsoy RT4809	Morsoy	–	–	13.7	8/20	31	2
TV4886RR	Terral	–	–	13.7	8/19	34	2
DK 4965RR	Delta King	32.4	15.0	13.5	8/20	30	2
HBK R4855	Hornbeck	–	10.2	13.4	8/19	36	2
4803RR	Dixie	–	–	13.2	8/19	32	2
SS XP RT4980 (E)	SS	–	–	12.8	8/20	32	2
HBK R4920	Hornbeck	–	–	12.7	8/27	32	2
DG 4850RR	Delta Grow	–	–	12.7	8/20	32	2
SG498RR	Deltapine	34.1	11.1	12.6	9/05	26	2
TVX48R901 (E)	Terral	–	–	12.0	8/20	34	2
Genesis A504	Genesis	–	–	11.8	8/29	35	2
Genesis A484	Genesis	–	–	11.7	8/20	32	2
S51-TI	NK	35.6	7.0	5.8	9/06	41	2
ES 4902RR (E)	ES	–	–	2.8	8/29	35	2
4979RR	Croplan Genetics	–	5.1	1.5	9/04	40	2
Overall Mean		34.9	12.9	13.8			
LSD (.10)		5.5	3.2	3.1			
Error degrees of freedom		26	34	56			
CV (%)		11.4	17.8	16.6			
R ² (%)		63	83	85			

¹Sharkey clay soil. (E) = Experimental.

Table 36. Roundup Ready Maturity Group V Early Soybeans Planted April 27, 2000, and Irrigated (Delta Branch Experiment Station, Stoneville).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK 5668RR	Delta King	–	–	72.4	9/25	23	2
DK 5366RR	Delta King	–	–	71.7	9/24	28	1
3562NRR	Dyna-Gro	–	–	71.1	10/2	19	1
3535NRR	Dyna-Gro	–	–	66.9	9/22	25	1
540nRR (E)	USG	–	–	66.7	9/26	20	1
DP 5644 RR	Deltapine	62.6	67.8	66.3	9/22	25	1
DK 5661RR	Delta King	–	72.4	65.7	9/22	24	1
DPX 5514RR (E)	Deltapine	–	–	65.3	9/21	23	1
AG5701	Asgrow	–	–	65.3	10/1	23	1
S59-V6RR	NK	–	73.5	64.3	9/22	29	3
DG 5630RR	Delta Grow	–	–	64.2	9/26	25	1
TVX50R901 (E)	Terral	–	–	62.3	9/13	17	1
AG5602	Asgrow	64.6	72.3	62.3	9/26	24	1
HBK R5588	Hornbeck	62.1	66.6	62.1	9/20	22	1
SS RT557N	SS	–	70.2	61.6	9/21	26	1
510nRR (E)	USG	–	–	61.5	9/22	24	1
5410RR	Progeny	–	–	61.4	9/20	25	1
Morsoy RT5050	Morsoy	–	–	61.2	9/14	28	1
DK 5465RR	Delta King	–	–	61.1	10/2	22	1
95B32	Pioneer	–	–	61.0	9/21	17	1
USG 7557RR	USG	–	64.6	60.7	9/26	20	1
H5231RR	Hartz	–	–	60.7	9/21	20	1
ES 5000RR (E)	ES	–	–	60.6	9/22	26	1
SS XP RT5609 (E)	SS	–	–	59.8	9/26	25	1
TV 5666RR	Terral	57.2	66.6	58.8	9/25	22	1
AG5001	Asgrow	–	67.3	58.5	9/12	23	1
TVX52R901 (E)	Terral	–	–	58.3	9/16	24	1
ES 4900RR (E)	ES	–	–	58.1	9/19	17	1
SS XP RT46704 (E)	SS	–	–	56.6	9/24	42	1
569RR/N	AgriPro/Garst	–	62.6	56.4	10/2	23	1
AG5501	Asgrow	–	–	56.4	9/15	15	1
3521NRR	Dyna-Gro	–	–	56.3	9/16	18	1
RT541SCN	MFA Morsoy	–	–	56.3	9/16	19	1
TV5486RR	Terral	–	67.4	55.4	9/27	43	3
DK 5267RR	Delta King	–	–	54.6	9/14	19	1
9492	Pioneer	–	60.9	54.1	9/15	20	1
95B53	Pioneer	–	71.6	53.6	9/19	22	1
556RR	Croplan Genetics	58.1	67.6	51.7	9/23	28	1
SS XP RT5399 (E)	SS	–	–	50.2	9/16	21	1
TVX54R908 (E)	Terral	–	–	49.5	9/26	42	3
USG 7547RR	USG	–	62.4	46.7	9/17	20	1
5770RR	Croplan Genetics	–	–	46.2	9/24	21	1
Overall Mean		55.1	65.6	59.9			
LSD (.10)		4.7	4.0	7.5			
Error degrees of freedom		56	62	82			
CV (%)		6.3	4.5	9.3			
R ² (%)		91	73	67			

¹Sharkey clay soil. (E) = Experimental.

Table 37. Roundup Ready Maturity Group V Late Soybeans Planted April 27, 2000, and Irrigated (Delta Branch Experiment Station, Stoneville).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
95B95	Pioneer	–	–	76.3	9/27	26	2
96B21	Pioneer	–	–	73.4	9/27	30	1
AG5701	Asgrow	–	75.5	73.2	9/26	27	1
S59-V6RR	NK	50.4	70.7	70.5	9/27	25	1
H5999RR	Hartz	69.9	72.3	70.4	9/26	30	1
SS RT 5999N	SS	–	–	69.6	9/26	28	2
AG5902	Asgrow	–	–	68.8	10/2	25	1
H5885RR	Hartz	–	–	68.0	9/22	25	1
TVX59R901 (E)	Terral	–	–	66.9	10/2	30	1
AG 6101	Asgrow	–	–	66.6	10/2	30	2
5900RR	Progeny	–	–	65.8	10/2	16	1
AG6201	Asgrow	–	–	65.5	10/2	29	2
DP 5806 RR	Deltapine	45.4	64.3	64.9	10/1	26	2
AG5802	Asgrow	–	67.6	64.7	10/1	27	2
HBK R6020	Hornbeck	–	74.7	64.2	10/1	34	2
3582NRR	Dyna-Gro	–	–	64.2	10/2	28	1
DP5915RR	Deltapine	–	71.3	64.1	10/3	26	2
DK 5762RR	Delta King	–	71.0	63.7	10/1	22	1
590RR	Croplan Genetics	–	70.4	63.7	10/1	27	1
TVX62R901 (E)	Terral	–	–	62.4	9/27	35	1
ES 5707RR (E)	ES	–	–	62.3	10/5	31	1
USG 7599nRR	USG	–	69.7	62.0	10/2	26	1
CX580CRR	DEKALB	–	69.9	61.9	9/22	24	1
TV 5866RR	Terral	–	–	61.7	9/27	23	1
HBK R5920	Hornbeck	–	70.8	61.3	10/1	28	1
DG 5950RR	Delta Grow	–	71.6	59.2	10/1	23	2
DK 5961RR	Delta King	50.4	65.8	59.2	10/4	24	2
TVX5794RR (E)	Terral	–	–	59.2	9/27	22	1
ES 5706RR (E)	ES	–	–	58.0	09/3	26	1
AG 5901	Asgrow	53.4	65.6	56.5	9/26	29	1
HBK XR575-99 (E)	Hornbeck	–	–	56.1	10/3	33	2
ES 5700RR (E)	ES	–	–	55.5	9/30	23	1
ES 5708RR (E)	ES	–	–	54.5	10/3	24	1
ES 5903RR (E)	ES	–	–	54.3	10/2	25	1
SS RT587N	SS	–	64.9	53.7	9/27	25	1
6299RR	Croplan Genetics	–	–	52.8	9/27	25	1
SS RT 6299N	SS	–	–	51.7	10/5	23	1
ES 5902RR (E)	ES	–	–	48.4	10/2	21	1
Overall Mean		51.2	67.4	62.5			
LSD (.10)		7.0	4.0	6.4			
Error degrees of freedom		50	60	74			
CV (%)		10.0	4.3	7.6			
R ² (%)		83	81	74			

¹Sharkey clay soil. (E) = Experimental.

**Table 38. Maturity Group VI Soybeans Planted April 27, 2000, and Irrigated
(Delta Branch Experiment Station, Stoneville).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999 ²	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
9594	Pioneer	–	–	70.6	9/27	23	1
9631	Pioneer	–	–	62.9	10/1	32	2
Dillon	Public	–	–	62.0	10/9	28	1
R92-1258 (E)	Public	–	–	58.8	10/1	27	1
TN93-142-17 (E)	Public	–	–	56.3	10/9	19	1
SS 665N	SS	–	–	55.5	10/1	23	1
SC91-2007 (E)	Public	–	–	50.6	10/1	35	2
HBK 6600	Hornbeck	–	–	49.4	10/1	34	2
9692	Pioneer	–	–	44.6	10/1	18	1
Overall Mean		–	–	56.7			
LSD (.10)		–	–	5.2			
Error degrees of freedom		–	–	16			
CV (%)		–	–	6.5			
R ² (%)		–	–	88			

¹Sharkey clay soil. (E) = Experimental.

²Not planted in 1998 and 1999.

Location 2. Dulaney Farms, Inc., Clarksdale

Location Summary

Soybeans were planted into good soil moisture and emerged within 7 days. Moisture was sufficient throughout May and June. July, August, and September were extremely hot and dry with

only 1.7 inches of rain recorded. Temperatures exceeded 100° for 18 days during this same period. Five irrigations were applied from July 10 through September 1.

Soil type	Sharkey clay
Soil pH	6.7
Soil fertility	P-H, K-H+
Fertilizer added	None
Herbicide application	Postemergence - Storm @ 1.5 pt/A + C.O.C. (Conventional) Roundup Ultra @ 1.5 pt/A (Roundup Ready)
Irrigation	July 10, July 20, August 8, August 20, and September 1
Planting date	May 18
Harvest date	Group IV - September 28 Group V - October 11

Table 39. Maturity Group IV Early Soybeans Planted May 18, 2000 (Clarksdale, Coahoma County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
Dixie 478	Dixie	61.8	69.4	73.6	9/19	40	2
4882	AgriPro/Garst	–	64.5	72.3	9/19	40	2
DP 3478	Deltapine	67.9	65.2	70.6	9/19	34	2
DK 4680	Delta King	–	61.9	63.8	9/26	32	2
A4324	Asgrow	–	–	63.5	9/15	31	2
SS 439	SS	–	–	56.7	9/13	41	2
Overall Mean		56.6	59.3	66.8			
LSD (.10)		4.1	5.1	9.5			
Error degrees of freedom		28	26	10			
CV (%)		5.2	6.2	9.6			
R ² (%)		89	83	72			

¹Sharkey clay soil.

Rainfall Summary

	Inches
May	0.90
June	3.80
July	1.10
August	0
September	0.60
Total	6.40

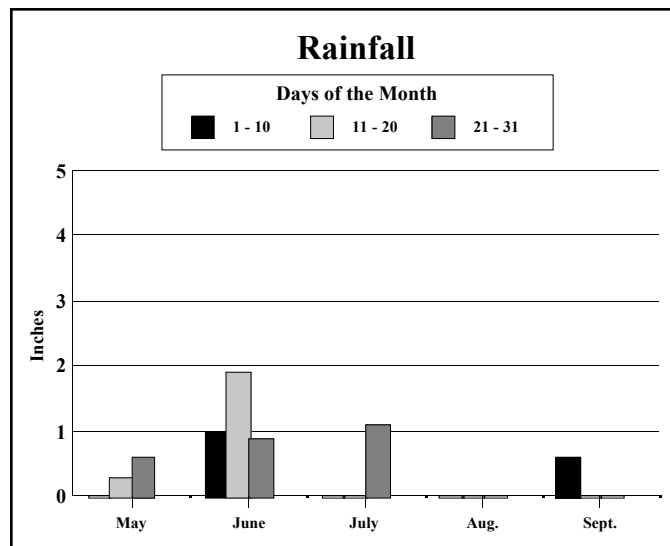


Table 40. Maturity Group IV Late Soybeans Planted May 18, 2000 (Clarksdale, Coahoma County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DPX 4910S (E)	Deltapine	—	—	78.7	9/28	39	2
DK 4868RR	Delta King	—	70.8	76.6	9/21	37	2
4910	Progeny	—	—	76.6	9/26	39	2
DP 3478	Deltapine	61.8	61.8	73.0	9/19	40	2
DT97-4290 (E)	Public	—	70.5	72.0	9/26	41	2
TV 4975	Terral	61.6	70.2	70.7	9/26	44	3
SS 495	SS	65.1	63.8	70.3	6/24	38	1
SS 4985STS	SS	—	66.8	70.3	9/26	31	2
DK 4711	Delta King	—	—	70.2	9/26	38	2
SS 514N	SS	—	59.6	69.7	9/26	34	2
SS XP4899 (E)	SS	—	—	69.3	9/18	43	2
HBK 4891	Hornbeck	—	65.6	68.9	9/15	37	2
DP4748S	Deltapine	—	—	68.4	9/25	39	3
9482	Pioneer	67.6	60.4	68.4	9/15	37	2
TN93-87 (E)	Public	—	—	67.5	9/26	27	1
TV4881	Terral	—	56.7	67.3	9/19	35	2
9511	Pioneer	68.8	65.0	66.8	9/23	41	2
DP 4909	Deltapine	—	—	66.4	9/26	41	2
490	Croplan Genetics	61.2	61.8	65.4	9/28	45	2
A4922	Asgrow	60.5	59.3	64.5	9/19	36	1
DK 4965RR	Delta King	—	55.5	64.3	9/21	34	1
DK 4762RR	Delta King	—	52.0	61.5	9/26	43	2
Overall Mean		60.9	61.6	69.4			
LSD (.10)		5.3	6.2	5.1			
Error degrees of freedom		36	54	42			
CV (%)		6.4	7.3	5.3			
R ² (%)		74	80	77			

¹Sharkey clay soil. (E) = Experimental.

Table 41. Maturity Group V Early Soybeans Planted May 18, 2000 (Clarksdale, Coahoma County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK 5366RR	Delta King	–	–	71.3	10/4	32	1
DK 5580	Delta King	–	69.2	68.9	10/2	29	1
A5547	Asgrow	74.2	64.8	67.2	10/4	31	1
DK 5850	Delta King	65.6	65.3	67.2	10/4	34	1
5600	Progeny	–	–	66.8	10/2	33	1
DK 5661RR	Delta King	–	69.3	66.7	10/4	30	1
DK 5668RR	Delta King	–	–	65.5	10/6	29	1
DK 5465RR	Delta King	–	–	65.5	10/6	33	1
DP 5354	Deltapine	73.8	59.2	65.3	9/28	33	2
Essex RSV3 (E)	Public	–	–	65.0	9/28	20	1
95B33	Pioneer	72.5	53.3	64.2	9/28	28	1
HY 574	AgriPro/Garst	63.2	69.3	64.1	10/6	33	1
Delsoy 5500	Public	73.3	66.6	63.9	9/28	29	1
X056 (E)	NK	–	–	63.8	10/4	44	3
Hutcheson	Public	76.4	67.1	62.1	10/4	22	1
Progeny 5120N	Progeny	–	57.1	61.3	9/26	34	1
DP 5655	Deltapine	–	–	61.2	9/28	38	3
Anand	Public	–	–	60.7	10/4	23	1
S96-2692 (E)	Public	–	–	60.5	10/4	28	1
Robin 5	Croplan Genetics	70.8	70.2	60.0	10/4	24	1
MFA Morsoy 5080	Morsoy	–	–	59.9	9/26	37	2
DT97-6308 (E)	Public	–	–	59.6	9/28	24	1
520	Croplan Genetics	70.4	58.7	59.2	10/2	46	2
Essex RSV1-n (E)	Public	–	–	59.0	9/26	23	1
Essex (E)	Public	70.2	60.2	57.3	9/28	24	1
Essex RSV1 (E)	Public	74.9	59.9	57.0	9/26	22	1
DK 5267RR	Delta King	–	–	56.2	9/28	27	1
9511	Pioneer	67.7	60.5	55.0	9/23	40	1
TV5495	Terral	61.1	62.2	54.0	10/2	40	1
Essex RSV4	Public	–	58.3	53.8	9/28	22	1
Overall Mean		66.2	60.3	62.1			
LSD (.10)		3.6	6.7	6.2			
Error degrees of freedom		62	58	58			
CV (%)		4.0	8.2	7.4			
R ² (%)		89	74	62			

¹Sharkey clay soil. (E) = Experimental.

Table 42. Maturity Group V Late Soybeans Planted May 18, 2000 (Clarksdale, Coahoma County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
A5959	Asgrow	<i>bu/A</i> 82.1	<i>bu/A</i> 73.1	<i>bu/A</i> 75.0		<i>in</i> 30	1
S59-60	NK	75.2	71.8	73.8	10/9	32	3
HBK 5991	Hornbeck	–	72.7	72.9	10/6	33	1
9594	Pioneer	74.9	77.3	71.6	10/4	33	1
A5944	Asgrow	79.6	71.9	71.5	10/9	31	1
DK 5995	Delta King	83.1	75.8	69.0	10/9	33	1
TV 5893	Terral	67.1	68.1	68.3	10/4	35	2
UARK-5798	Public	74.7	64.5	67.4	10/6	30	1
DG 5940	Delta Grow	–	–	66.9	10/1	36	1
DT96-6840 (E)	Public	–	71.3	65.7	10/2	34	3
R95-2210 (E)	Public	–	67.5	64.1	10/6	29	1
DK 5762RR	Delta King	–	64.5	64.1	10/1	40	1
HBK 5990	Hornbeck	70.7	75.1	63.5	10/6	32	1
DPX 5877 (E)	Deltapine	–	–	63.5	10/9	41	2
S96-2641 (E)	Public	–	–	63.1	10/6	29	1
DT96-16809 (E)	Public	–	69.5	62.3	10/2	37	3
TN93-99 (E)	Public	–	–	62.2	10/2	35	1
SS 597N	SS	66.4	62.5	62.0	10/6	33	1
DP5989	Deltapine	–	–	62.0	10/9	45	3
V91-3036 (E)	Public	68.9	70.1	60.4	10/4	28	1
TV5926	Terral	72.2	63.7	60.1	10/1	3	1
X058R (E)	NK	–	–	59.4	10/6	26	1
Caviness	Public	76.3	64.4	59.3	10/2	28	1
Bolivar	Public	67.7	65.6	59.0	10/2	36	1
5799	Dixie	–	–	57.2	10/4	25	1
S94-1867 (E)	Public	–	–	57.1	10/2	34	2
X057R (E)	NK	–	–	56.7	10/6	33	1
Hutcheson	Public	74.8	66.4	56.2	10/4	23	1
TN94-213 (E)	Public	–	–	54.9	10/4	19	1
DK 5961RR	Delta King	–	67.2	53.8	10/1	33	1
Overall Mean		70.3	65.9	63.4			
LSD (.10)		4.6	5.8	6.8			
Error degrees of freedom		56	70	58			
CV (%)		4.8	6.5	7.9			
R ² (%)		83	77	67			

¹Sharkey clay soil. (E) = Experimental.

**Table 43. Roundup Ready Maturity Group IV Early Soybeans
Planted May 18, 2000 (Clarksdale, Coahoma County).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DP 4690RR	Deltapine	–	59.0	76.4	9/21	36	2
AG4403	Asgrow	–	–	72.7	9/15	33	1
TV4787RR	Terral	–	56.3	72.1	9/26	40	2
AG4602	Asgrow	64.1	49.9	70.6	9/18	34	2
4888RR	AgriPro/Garst	–	54.0	70.5	9/19	38	2
AG4702	Asgrow	65.7	43.6	66.1	9/18	36	1
SS RT446N	SS	–	–	64.3	9/15	38	2
DP4344RR	Deltapine	–	–	63.7	9/13	39	3
AG4601	Asgrow	68.9	54.0	60.9	9/18	28	2
TV4589RR	Terral	–	48.9	60.4	9/14	25	2
HBK R4660	Hornbeck	–	43.2	60.0	9/15	38	2
3463NRR	Dyna-Gro	–	49.6	58.2	9/13	34	1
D472RR/N	Garst	66.1	41.9	58.1	9/15	38	2
466RR	Croplan Genetics	66.8	45.1	57.8	9/15	35	2
94B41	Pioneer	–	–	50.9	9/11	27	1
Overall Mean		64.4	49.3	64.2			
LSD (.10)		5.7	8.9	6.8			
Error degrees of freedom		30	40	28			
CV (%)		6.3	13.2	7.7			
R ² (%)		51	63	83			
¹ Sharkey clay soil.							
² Not planted in 1998							

**Table 44. Roundup Ready Maturity Group IV Late Soybeans
Planted May 18, 2000 (Clarksdale, Coahoma County).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
Morsoy RT4809	Morsoy	–	–	85.5	9/22	39	2
DK 4868RR	Delta King	–	68.0	78.6	9/22	33	2
SS XP RT4980 (E)	SS	–	–	74.0	9/22	38	2
4803RR	Dixie	–	–	72.8	9/21	40	2
HBK R4920	Hornbeck	–	–	72.6	9/22	34	2
H4994RR	Hartz	–	–	71.8	9/28	30	2
SG498RR	Deltapine	63.7	71.3	71.6	9/26	31	1
480RR	Croplan Genetics	–	50.2	71.5	9/22	37	2
3484NRR	Dyna-Gro	–	–	70.4	9/22	38	2
H4884RR	Hartz	–	–	70.3	9/21	34	2
S51-TI	NK	–	58.2	68.3	9/26	54	3
TV4886RR	Terral	–	–	67.7	9/18	39	2
DK 4965RR	Delta King	71.2	50.0	67.7	9/26	32	2
HBK R4855	Hornbeck	–	50.8	67.6	9/19	38	2
TVX48R901 (E)	Terral	–	–	67.4	9/21	34	2
Genesis A504	Genesis	–	–	67.1	9/22	40	1
DG 4850RR	Delta Grow	–	–	66.7	9/21	35	2
SS RT517N	SS	–	57.5	66.1	9/26	23	1
TV4890RR	Terral	–	45.6	65.4	9/15	38	2
Genesis A484	Genesis	–	–	65.4	9/21	40	2
AG4902	Asgrow	–	52.9	64.1	9/19	34	1
4979RR	Croplan Genetics	–	52.0	63.7	9/28	48	4
AG4702	Asgrow	–	–	63.5	9/19	36	1
9492	Pioneer	68.3	52.4	62.9	9/18	33	1
AG4601	Asgrow	–	53.4	60.9	9/17	33	2
ES 4902RR (E)	ES	–	–	60.4	9/26	35	2
TVX48R908 (E)	Terral	–	–	60.4	9/19	44	2
AG4901	Asgrow	63.6	48.5	58.6	9/21	34	2
DK 4762RR	Delta King	59.4	50.0	57.2	9/22	36	2
Overall Mean		62.5	53.2	67.5			
LSD (.10)		8.4	5.5	6.3			
Error degrees of freedom		24	34	56			
CV (%)		9.6	7.5	6.8			
R ² (%)		68	84	76			

¹Sharkey clay soil. (E) = Experimental.

**Table 45. Roundup Ready Maturity Group V Early Soybeans
Planted May 18, 2000 (Clarksdale, Coahoma County).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DG 5630RR	Delta Grow	–	–	72.8	10/6	41	1
AG5701	Asgrow	–	–	71.3	10/9	35	1
3535NRR	Dyna-Gro	–	–	70.7	10/4	30	2
DK 5465RR	Delta King	–	–	68.9	10/4	31	1
3562NRR	Dyna-Gro	–	–	68.7	10/4	33	1
DK 5366RR	Delta King	–	–	68.5	10/2	38	2
DPX 5514RR (E)	Deltapine	–	–	67.1	10/4	39	1
DK 5668RR	Delta King	–	–	66.9	10/4	29	1
DK 5661RR	Delta King	–	68.7	66.5	10/4	34	1
95B53	Pioneer	–	69.6	66.1	10/2	23	1
AG5501	Asgrow	–	–	65.8	10/2	35	1
S59-V6RR	NK	–	73.9	65.7	10/6	32	1
AG5001	Asgrow	–	45.4	65.5	9/22	40	2
H5231RR	Hartz	–	–	64.8	10/2	35	1
AG5602	Asgrow	73.1	60.1	64.2	10/6	27	1
DP 5644 RR	Deltapine	48.8	63.9	63.9	10/2	37	1
540nRR (E)	USG	–	–	62.8	10/6	35	1
Morsoy RT5050	Morsoy	–	–	62.0	9/26	44	2
TVX50R901 (E)	Terral	–	–	61.8	9/26	35	2
HBK R5588	Hornbeck	61.9	60.5	61.3	10/4	40	2
USG 7557RR	USG	–	61.1	60.7	10/6	28	1
510nRR (E)	USG	–	–	60.3	10/2	25	1
DK 5267RR	Delta King	–	–	59.4	9/28	32	1
RT541SCN	MFA Morsoy	–	–	59.0	10/2	24	1
ES 4900RR (E)	ES	–	–	58.9	9/28	28	1
95B32	Pioneer	–	–	58.9	9/28	28	1
TVX54R908 (E)	Terral	–	–	58.8	10/2	45	3
SS XP RT5609 (E)	SS	–	–	58.2	10/4	35	1
556RR	Croplan Genetics	57.4	48.1	58.0	10/2	33	1
TV5486RR	Terral	–	62.9	58.0	10/4	47	1
3521NRR	Dyna-Gro	–	–	57.7	10/2	29	1
5410RR	Progeny	–	–	57.3	9/28	32	1
9492	Pioneer	–	42.8	57.2	9/18	37	1
SS RT557N	SS	–	54.3	54.8	10/2	36	1
569RR/N	AgriPro/Garst	–	61.8	54.2	10/2	36	1
TV 5666RR	Terral	50.8	58.7	53.7	9/28	39	3
ES 5000RR (E)	ES	–	–	53.5	9/28	39	1
SS XP RT46704 (E)	SS	–	–	52.7	10/2	43	3
TVX52R901 (E)	Terral	–	–	52.7	10/2	31	2
SS XP RT5399 (E)	SS	–	–	51.0	9/28	34	1
USG 7547RR	USG	–	52.6	50.0	10/2	34	1
5770RR	Croplan Genetics	–	–	42.7	10/6	38	1
Overall Mean		58.5	56.6	60.8			
LSD (.10)		9.3	6.6	7.1			
Error degrees of freedom		56	62	82			
CV (%)		11.7	8.6	8.6			
R ² (%)		69	83	70			

¹Sharkey clay soil. (E) = Experimental.

**Table 46. Roundup Ready Maturity Group V Late Soybeans
Planted May 18, 2000 (Clarksdale, Coahoma County).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
CX580CRR	DEKALB	–	69.1	70.6	10/6	39	1
95B95	Pioneer	–	–	69.5	10/9	39	1
DK 5762RR	Delta King	–	71.2	69.2	10/9	38	1
H5885RR	Hartz	–	–	68.9	10/4	35	1
AG5701	Asgrow	–	72.9	68.1	10/9	34	1
HBK R6020	Hornbeck	–	67.0	68.0	10/1	41	1
S59-V6RR	NK	55.2	74.6	67.5	10/4	33	1
AG5902	Asgrow	–	–	67.1	10/1	40	1
HBK R5920	Hornbeck	–	68.5	66.2	10/9	35	1
96B21	Pioneer	–	–	66.2	10/9	36	1
3582NRR	Dyna-Gro	–	–	65.5	10/9	35	1
5900RR	Progeny	–	–	65.4	10/1	41	1
USG 7599nRR	USG	–	69.4	64.6	10/9	35	1
SS RT 6299N	SS	–	–	63.9	10/1	36	1
DP 5806 RR	Deltapine	48.4	67.0	63.8	10/9	38	3
SS RT 5999N	SS	–	–	63.5	10/9	43	2
DK 5961RR	Delta King	61.8	66.4	63.3	10/1	37	1
AG5802	Asgrow	–	61.4	62.7	10/6	35	1
DG 5950RR	Delta Grow	–	72.9	62.2	10/9	37	1
TVX59R901 (E)	Terral	–	–	61.9	10/9	42	1
AG6201	Asgrow	–	–	61.8	10/1	36	2
590RR	Croplan Genetics	–	74.2	61.7	10/9	37	1
SS RT587N	SS	–	59.0	61.5	10/1	36	1
HBK XR575-99 (E)	Hornbeck	–	–	61.3	10/9	30	1
AG 6101	Asgrow	–	–	60.7	10/1	35	1
AG 5901	Asgrow	54.7	56.6	60.4	10/9	35	1
DP5915RR	Deltapine	–	62.8	57.8	10/6	29	1
H5999RR	Hartz	56.6	54.6	56.8	10/9	37	1
TV 5866RR	Terral	–	–	54.5	10/9	31	4
ES 5700RR (E)	ES	–	–	54.4	10/9	33	1
6299RR	Croplan Genetics	–	–	53.5	10/4	38	1
TVX62R901 (E)	Terral	–	–	52.3	10/6	36	2
ES 5707RR (E)	ES	–	–	52.1	10/2	40	2
ES 5706RR (E)	ES	–	–	51.5	10/9	40	1
TVX5794RR (E)	Terral	–	–	49.9	10/6	39	1
ES 5708RR (E)	ES	–	–	47.3	10/9	36	1
ES 5903RR (E)	ES	–	–	45.0	10/6	38	1
ES 5902RR (E)	ES	–	–	44.0	10/9	26	1
Overall Mean		53.4	62.5	60.7			
LSD (.10)		11.6	6.1	5.7			
Error degrees of freedom		50	60	74			
CV (%)		15.9	7.2	6.8			
R ² (%)		59	85	81			

¹Sharkey clay soil. (E) = Experimental.

Location 3. Steve Williams' Farm, Olive Branch

Location Summary

Rains in early May delayed planting until mid-May. Soybeans were planted into good soil moisture and emerged quickly to a good stand. Early-season insect and disease pressure was

light. The greatest deterrents to yield were the 46 days when temperatures exceeded 95° and the 90 days with no significant rainfall.

Soil type	Collins silt loam
Soil pH	6.2
Soil fertility	P-H, K-H
Fertilizer added	0-18-36 @ 200 lb/A
Herbicide application	Preemergence -Broadstrike @ 2.25 pt/A Postemergence - First Rate @ 0.3 oz/A + Select @ 10 oz/A + C.O.C. (Conventional) Roundup Ultra @ 1.5 pt/A (Roundup Ready)
Planting date	May 17
Harvest date	Group IV - September 27 Group V - October 18

Table 47. Maturity Group IV Early Soybeans Planted May 17, 2000 (Olive Branch, DeSoto County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
A4324	Asgrow	–	–	30.6	9/08	40	1
4882	AgriPro/Garst	–	51.2	25.2	9/06	49	1
SS 439	SS	–	–	24.9	9/06	33	1
Dixie 478	Dixie	60.4	45.4	22.4	9/12	50	1
DP 3478	Deltapine	64.1	52.3	22.2	9/08	47	1
DK 4680	Delta King	–	48.3	18.0	9/14	44	1
Overall Mean		51.7	46.8	23.9			
LSD (.10)		7.4	6.1	7.5			
Error degrees of freedom		28	26	10			
CV (%)		10.3	9.4	21.2			
R ² (%)		85	58	62			

¹Collins silt loam soil.

Rainfall Summary

	Inches
May	4.01
June	3.45
July	0.24
August	0.34
September	0
October	0
Total	8.04

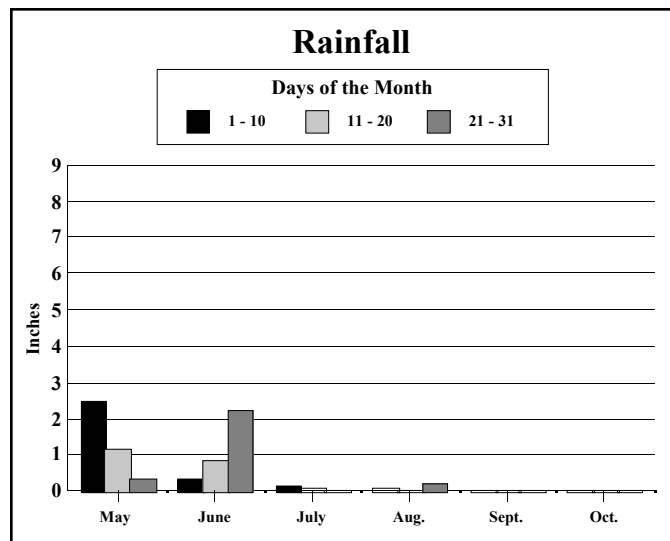


Table 48. Maturity Group IV Late Soybeans Planted May 17, 2000 (Olive Branch, DeSoto County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
HBK 4891	Hornbeck	—	52.4	32.7	9/10	43	3
DP4748S	Deltapine	—	—	28.9	9/08	51	2
9482	Pioneer	55.5	53.1	28.3	9/10	46	1
DK 4868RR	Delta King	—	51.1	27.6	9/18	43	1
TV4881	Terral	—	53.4	26.6	9/14	49	4
A4922	Asgrow	55.9	52.2	25.9	9/10	50	1
DP 3478	Deltapine	57.1	48.1	25.2	9/12	43	3
DK 4711	Delta King	—	—	25.2	9/10	46	1
4910	Progeny	—	—	24.4	9/20	45	1
SS XP4899 (E)	SS	—	—	23.2	9/16	47	1
DK 4965	Delta King	—	47.1	22.6	9/08	41	1
DT97-4290 (E)	Public	—	37.7	22.4	9/14	46	1
DK 4762RR	Delta King	—	42.2	22.1	9/16	51	1
SS 514N	SS	—	49.6	19.2	9/24	44	1
DP 4909	Deltapine	—	—	19.2	9/16	48	1
DPX 4910S (E)	Deltapine	—	—	17.9	9/19	53	4
SS 495	SS	59.0	43.1	16.8	9/12	52	1
490	Croplan Genetics	46.5	37.7	15.2	9/22	46	1
TV 4975	Terral	53.6	36.1	14.3	9/16	48	2
TN93-87 (E)	Public	—	—	14.0	9/20	39	1
9511	Pioneer	46.9	50.3	13.7	9/18	38	1
SS 4985STS	SS	—	48.6	12.1	9/18	40	3
Overall Mean		51.2	45.1	21.7			
LSD (.10)		9.3	7.7	6.3			
Error degrees of freedom		36	54	42			
CV (%)		13.2	12.5	21.3			
R ² (%)		74	73	74			

¹Collins silt loam soil. (E) = Experimental.

Table 49. Maturity Group V Early Soybeans Planted May 17, 2000 (Olive Branch, DeSoto County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DT97-6308 (E)	Public	–	–	20.6	9/22	37	1
DK 5465RR	Delta King	–	–	19.7	10/9	38	1
Essex	Public	39.3	42.7	19.1	9/26	31	3
Hutcheson	Public	48.8	39.1	18.8	9/22	36	1
Essex RSV1 (E)	Public	43.4	41.8	18.6	9/22	34	1
Delsoy 5500	Public	41.3	45.3	17.5	9/24	37	1
Essex RSV1-n (E)	Public	–	–	17.5	9/20	35	2
Essex RSV4 (E)	Public	–	45.5	17.2	10/9	36	1
95B33	Pioneer	60.7	52.0	17.0	9/22	42	1
Robin 5	Croplan Genetics	41.8	40.8	17.0	10/6	35	1
A5547	Asgrow	54.8	47.2	16.8	10/5	38	2
DK 5668RR	Delta King	–	–	16.7	10/5	40	2
S96-2692 (E)	Public	–	–	16.0	9/22	39	3
X056 (E)	NK	–	–	15.7	10/3	50	2
Anand	Public	–	–	15.5	9/20	34	1
DK 5580	Delta King	–	44.1	14.5	10/9	38	2
DK 5366RR	Delta King	–	–	14.4	9/26	39	4
DP 5655	Deltapine	–	–	14.3	9/26	41	3
9511	Pioneer	48.7	43.9	14.2	9/24	48	2
Essex RSV3 (E)	Public	–	–	14.0	9/26	33	1
HY 574	AgriPro/Garst	51.6	26.2	13.6	10/9	41	3
DK 5661RR	Delta King	–	–	13.3	10/9	45	3
DK 5850	Delta King	53.9	47.7	13.3	10/9	40	2
Progeny 5120N	Progeny	–	43.2	12.9	9/26	42	3
5600	Progeny	–	–	12.6	10/9	42	3
DK 5267RR	Delta King	–	–	12.4	9/20	41	1
MFA Morsoy 5080	Morsoy	–	–	12.2	9/18	42	1
TV5495	Terral	52.9	34.5	11.7	10/5	53	3
DP 5354	Deltapine	52.3	45.9	8.9	9/24	43	5
520	Croplan Genetics	32.8	39.1	7.8	9/20	45	2
Overall Mean		47.7	42.3	15.1			
LSD (.10)		8.7	7.7	4.8			
Error degrees of freedom		62	58	58			
CV (%)		13.4	13.3	23.3			
R ² (%)		82	64	70			

¹Collins silt loam soil. (E) = Experimental.

Table 50. Maturity Group V Late Soybeans Planted May 17, 2000 (Olive Branch, DeSoto County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999 ²	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DT96-6840 (E)	Public	–	–	27.6	10/6	41	3
DK 5995	Delta King	37.8	–	22.3	9/25	42	4
Bolivar	Public	39.2	–	20.9	10/1	46	3
TN94-213 (E)	Public	–	–	18.6	9/28	35	1
Caviness	Public	45.5	–	18.4	9/28	39	2
HBK 5990	Hornbeck	41.4	–	18.3	10/1	43	2
A5959	Asgrow	40.9	–	17.4	10/1	39	2
A5944	Asgrow	30.1	–	16.9	10/1	41	1
DG 5940	Delta Grow	–	–	16.9	10/1	41	2
S94-1867 (E)	Public	–	–	16.8	10/1	49	3
TV5926	Terral	34.2	–	16.1	10/1	45	2
HBK 5991	Hornbeck	–	–	16.0	10/1	38	3
9594	Pioneer	45.5	–	15.5	9/28	42	3
R95-2210 (E)	Public	–	–	15.5	10/1	42	2
Hutcheson	Public	39.3	–	15.5	10/1	38	2
SS 597N	SS	38.5	–	14.9	10/1	43	2
S59-60	NK	37.5	–	14.9	10/1	36	4
V91-3036 (E)	Public	40.7	–	14.9	9/28	36	2
DK 5961RR	Delta King	–	–	14.6	10/1	44	2
TN93-99 (E)	Public	–	–	14.1	10/6	32	1
5799	Dixie	–	–	14.1	9/28	40	3
TV 5893	Terral	34.2	–	13.9	10/1	45	1
X057R (E)	NK	–	–	13.5	10/1	42	1
X058R (E)	NK	–	–	12.0	10/1	40	2
DK 5762RR	Delta King	–	–	12.0	10/1	43	1
DPX 5877 (E)	Deltapine	–	–	12.0	10/1	47	2
S96-2641 (E)	Public	–	–	10.6	9/26	39	1
DT96-16809 (E)	Public	–	–	9.7	10/0	46	3
UARK-5798	Public	33.1	–	9.4	10/1	43	1
DP5989	Deltapine	–	–	6.0	10/1	46	2
Overall Mean		37.5	–	15.3			
LSD (.10)		10.5	–	6.6			
Error degrees of freedom		56	–	58			
CV (%)		20.4	–	31.5			
R ² (%)		48	–	59			

¹Collins silt loam soil. (E) = Experimental.

²No yields for 1999.

**Table 51. Roundup Ready Maturity Group IV Late Soybeans Planted May 17, 2000
(Olive Branch, DeSoto County).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999 ²	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
TVX48R901 (E)	Terral	–	–	32.3	9/16	44	1
3484NRR	Dyna-Gro	–	–	29.5	9/20	48	1
DG 4850RR	Delta Grow	–	–	29.3	6/16	48	1
AG4601	Asgrow	–	–	29.1	9/12	51	1
TVX48R908 (E)	Terral	–	–	28.5	9/16	52	1
AG4902	Asgrow	–	–	26.8	9/13	45	1
Genesis A484	Genesis	–	–	26.4	9/16	48	1
Morsoy RT4809	Morsoy	–	–	25.9	9/09	48	1
480RR	Croplan Genetics	–	–	25.3	9/12	39	1
HBK R4920	Hornbeck	–	–	24.8	9/10	47	1
4803RR	Dixie	–	–	24.6	9/10	47	2
9492	Pioneer	–	–	24.6	9/08	45	1
TV4886RR	Terral	–	–	24.4	9/12	50	1
AG4702	Asgrow	–	–	23.7	9/10	38	1
SS XP RT4980 (E)	SS	–	–	22.3	9/08	49	1
SS RT517N	SS	–	–	22.0	9/22	40	1
AG4901	Asgrow	–	–	22.0	9/15	51	1
DK 4762RR	Delta King	–	–	21.9	9/14	54	1
HBK R4855	Hornbeck	–	–	21.7	9/06	46	2
TV4890RR	Terral	–	–	21.2	9/12	42	1
DK 4868RR	Delta King	–	–	21.0	9/12	34	1
DK 4965RR	Delta King	–	–	20.9	9/13	44	1
H4884RR	Hartz	–	–	19.4	9/12	34	1
SG498RR	Deltapine	–	–	17.0	9/12	35	1
Genesis A504	Genesis	–	–	16.1	9/20	47	1
ES 4902RR (E)	ES	–	–	14.6	9/20	49	4
S51-TI	NK	–	–	11.9	9/18	61	1
H4994RR	Hartz	–	–	11.0	9/18	25	4
4979RR	Croplan Genetics	–	–	10.2	9/22	50	3
Overall Mean		–	–	22.4			
LSD (.10)		–	–	8.2			
Error degrees of freedom		–	–	56			
CV (%)		–	–	26.8			
R ² (%)		–	–	59			

¹Collins silt loam soil. (E) = Experimental.

²Not planted in 1998 and 1999.

**Table 52. Roundup Ready Maturity Group V Early Soybeans Planted May 17, 2000
(Olive Branch, DeSoto County).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999 ²	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK 5465RR	Delta King	–	–	27.1	10/1	42	3
95B53	Pioneer	–	–	24.3	9/10	38	4
AG5001	Asgrow	–	–	24.2	10/1	39	1
9492	Pioneer	–	–	24.1	9/20	43	2
DK 5668RR	Delta King	–	–	22.7	10/6	33	3
TVX52R901 (E)	Terral	–	–	22.4	10/6	41	2
540nRR (E)	USG	–	–	20.9	10/4	44	2
USG 7547RR	USG	–	–	19.2	9/16	34	4
H5231RR	Hartz	–	–	18.9	10/1	39	2
95B32	Pioneer	–	–	18.5	9/28	40	2
HBK R5588	Hornbeck	–	–	17.5	9/20	39	4
DG 5630RR	Delta Grow	–	–	17.4	10/1	42	2
S59-V6RR	NK	–	–	17.0	10/1	38	3
3535NRR	Dyna-Gro	–	–	16.9	10/1	44	3
Morsoy RT5050	Morsoy	–	–	16.7	10/1	41	2
DK 5267RR	Delta King	–	–	16.6	10/1	40	2
TVX50R901 (E)	Terral	–	–	15.0	10/6	42	2
5410RR	Progeny	–	–	14.6	10/4	46	2
DP 5644 RR	Deltapine	–	–	14.4	10/1	42	2
3521NRR	Dyna-Gro	–	–	14.3	10/4	42	1
AG5501	Asgrow	–	–	13.3	10/1	43	1
DPX 5514RR (E)	Deltapine	–	–	13.1	10/1	42	2
ES 5000RR (E)	ES	–	–	12.9	10/1	43	1
AG5701	Asgrow	–	–	12.8	10/1	42	3
SS RT557N	SS	–	–	12.7	9/20	49	4
USG 7557RR	USG	–	–	12.6	10/1	32	3
510nRR (E)	USG	–	–	12.3	9/28	42	2
RT541SCN	MFA Morsoy	–	–	11.4	9/28	41	3
ES 4900RR (E)	ES	–	–	11.1	9/28	37	1
569RR/N	AgriPro/Garst	–	–	10.8	10/1	35	1
DK 5366RR	Delta King	–	–	10.7	10/1	34	1
SS XP RT5609 (E)	SS	–	–	10.6	9/20	43	2
TVX54R908 (E)	Terral	–	–	10.6	10/1	41	1
SS XP RT46704 (E)	SS	–	–	10.3	10/1	45	3
DK 5661RR	Delta King	–	–	10.2	10/1	42	2
TV5486RR	Terral	–	–	10.2	10/1	41	3
3562NRR	Dyna-Gro	–	–	10.0	9/28	38	3
AG5602	Asgrow	–	–	9.7	10/1	38	3
5770RR	Croplan Genetics	–	–	9.2	10/1	46	3
556RR	Croplan Genetics	–	–	8.8	10/6	44	2
TV 5666RR	Terral	–	–	8.7	10/1	37	3
SS XP RT5399 (E)	SS	–	–	7.6	9/16	39	3
Overall Mean		–	–	14.8			
LSD (.10)		–	–	7.3			
Error degrees of freedom		–	–	82			
CV (%)		–	–	36.3			
R ² (%)		–	–	57			

¹Collins silt loam soil. (E) = Experimental.

²Not planted in 1998 and 1999.

**Table 53. Roundup Ready Maturity Group V Late Soybeans Planted May 17, 2000
(Olive Branch, DeSoto County).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999 ²	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
HBK XR575-99 (E)	Hornbeck	–	–	25.2	10/1	36	1
5900RR	Progeny	–	–	20.8	10/1	42	3
HBK R6020	Hornbeck	–	–	20.6	10/1	46	3
SS RT587N	SS	–	–	19.4	10/1	40	2
3582NRR	Dyna-Gro	–	–	19.1	10/1	42	3
DP5915RR	Deltapine	–	–	18.9	10/1	42	1
TVX62R901 (E)	Terral	–	–	18.7	10/1	43	1
AG6201	Asgrow	–	–	18.5	10/1	39	1
590RR	Croplan Genetics	–	–	17.2	10/1	42	2
H5885RR	Hartz	–	–	16.9	10/1	41	1
ES 5707RR (E)	ES	–	–	16.7	10/1	46	3
TVX59R901 (E)	Terral	–	–	16.7	10/1	44	1
ES 5706RR (E)	ES	–	–	16.6	10/1	44	3
AG5701	Asgrow	–	–	15.8	10/1	42	1
DK 5762RR	Delta King	–	–	15.8	10/1	44	3
DK 5961RR	Delta King	–	–	15.1	10/1	43	1
CX580CRR	DEKALB	–	–	14.7	10/1	40	4
ES 5902RR (E)	ES	–	–	14.5	10/1	36	2
6299RR	Croplan Genetics	–	–	14.3	10/1	43	1
USG 7599nRR	USG	–	–	13.8	10/1	42	2
DG 5950RR	Delta Grow	–	–	13.7	10/1	43	1
H5999RR	Hartz	–	–	13.6	10/1	41	3
AG 6101	Asgrow	–	–	13.2	10/1	42	3
HBK R5920	Hornbeck	–	–	13.0	10/1	44	2
AG5802	Asgrow	–	–	12.4	10/1	43	3
ES 5700RR (E)	ES	–	–	12.3	10/1	37	2
DP 5806 RR	Deltapine	–	–	12.0	10/1	42	2
S59-V6RR	NK	–	–	11.8	10/1	38	1
AG5902	Asgrow	–	–	11.7	10/1	40	4
ES 5708RR (E)	ES	–	–	10.9	10/1	42	3
TVX5794RR (E)	Terral	–	–	10.8	10/1	39	1
TV 5866RR	Terral	–	–	10.5	10/1	40	3
SS RT 6299N	SS	–	–	10.2	10/1	44	1
95B95	Pioneer	–	–	10.2	10/1	42	1
96B21	Pioneer	–	–	9.8	10/1	41	4
AG 5901	Asgrow	–	–	9.7	10/1	37	4
SS RT 5999N	SS	–	–	9.6	10/1	42	3
ES 5903RR (E)	ES	–	–	8.9	10/1	39	3
Overall Mean		–	–	14.6			
LSD (.10)		–	–	6.8			
Error degrees of freedom		–	–	74			
CV (%)		–	–	34.2			
R ² (%)		–	–	52			

¹Collins silt loam soil. (E) = Experimental.

²Not planted in 1998 and 1999.

Location 4. Prairie Research Unit, Prairie

Location Summary

Early-season conditions were favorable for emergence and growth. Extremely hot and dry conditions in the late season resulted in extremely poor conditions for pod fill and seed production.

Soil type	Houston clay
Soil pH	7.3
Soil fertility	P-M, K-H
Fertilizer added	0-20-20 @ 300 lb/A
Herbicide application	Preemergence - None Postemergence - Roundup @ 1.5 pt/A (2 applications)
Planting date	April 28
Harvest date	Group IV - September 26 Group V - October 12

Rainfall Summary

	Inches
April	6.74
May	1.45
June	2.12
July	0.10
August	0.37
September	2.30
October	0.35
Total	13.43

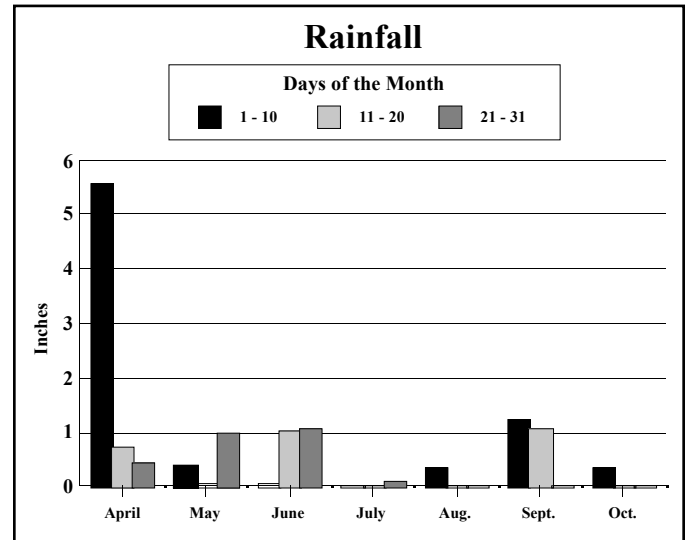


Table 54. Roundup Ready Maturity Group IV Early Soybeans Planted April 28, 2000 (Prairie Research Unit).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999 ²	2000			
		bu/A	bu/A	bu/A		in	
AG4601	Asgrow	-	-	17.4	9/01	25	1
DP 4690RR	Deltapine	-	-	16.9	9/06	28	1
466RR	Croplan Genetics	-	-	16.3	9/11	29	1
D472RR/N	Garst	-	-	16.1	9/04	29	1
HBK R4660	Hornbeck	-	-	15.8	9/08	26	1
AG4702	Asgrow	-	-	15.7	8/30	26	1
4888RR	AgriPro/Garst	-	-	15.5	8/30	31	1
TV4787RR	Terral	-	-	15.3	9/08	30	1
DP4344RR	Deltapine	-	-	15.1	8/25	39	1
AG4602	Asgrow	-	-	15.0	9/06	24	1
3463NRR	Dyna-Gro	-	-	14.6	9/01	34	1
AG4403	Asgrow	-	-	14.3	9/11	25	1
TV4589RR	Terral	-	-	13.2	8/25	28	1
SS RT446N	SS	-	-	12.3	8/30	32	1
94B41	Pioneer	-	-	10.1	8/25	26	1
Overall Mean		-	-	14.9			
LSD (.10)		-	-	2.4			
Error degrees of freedom		-	-	28			
CV (%)		-	-	11.4			
R ² (%)		-	-	68			

¹Houston clay soil.

²Not planted in 1998 and 1999.

Table 55. Roundup Ready Maturity Group IV Late Soybeans Planted April 28, 2000 (Prairie Research Unit).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999 ²	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
SS RT517N	SS	–	–	21.3	9/11	32	1
H4994RR	Hartz	–	–	20.4	9/06	24	1
DK 4868RR	Delta King	–	–	20.1	9/06	27	1
Morsoy RT4809	Morsoy	–	–	19.2	9/01	27	1
SG498RR	Deltapine	–	–	18.9	9/11	26	1
DK 4965RR	Delta King	–	–	18.8	8/30	28	1
4803RR	Dixie	–	–	17.8	9/06	31	1
AG4902	Asgrow	–	–	17.6	9/04	25	1
TV4886RR	Terral	–	–	17.5	9/01	35	1
AG4601	Asgrow	–	–	17.4	9/01	32	1
HBK R4920	Hornbeck	–	–	17.0	8/30	30	1
SS XP RT4980 (E)	SS	–	–	16.9	9/06	33	1
9492	Pioneer	–	–	16.9	9/01	25	1
TVX48R908 (E)	Terral	–	–	16.9	9/01	33	1
S51-TI	NK	–	–	16.6	9/11	42	1
ES 4902RR (E)	ES	–	–	15.6	9/11	29	1
TV4890RR	Terral	–	–	15.5	9/11	33	1
AG4702	Asgrow	–	–	15.2	9/01	25	1
H4884RR	Hartz	–	–	15.2	9/01	27	1
3484NRR	Dyna-Gro	–	–	14.8	8/30	28	1
DG 4850RR	Delta Grow	–	–	14.7	9/01	30	1
TVX48R901 (E)	Terral	–	–	14.4	9/01	27	1
HBK R4855	Hornbeck	–	–	14.0	8/30	30	1
480RR	Croplan Genetics	–	–	13.5	9/01	28	1
DK 4762RR	Delta King	–	–	13.4	9/11	30	1
Genesis A504	Genesis	–	–	13.2	9/04	30	1
Genesis A484	Genesis	–	–	13.1	9/04	30	1
4979RR	Croplan Genetics	–	–	12.6	9/11	33	1
AG4901	Asgrow	–	–	11.4	8/30	31	1
Overall Mean		–	–	16.2			
LSD (.10)		–	–	3.4			
Error degrees of freedom		–	–	56			
CV (%)		–	–	15.3			
R ² (%)		–	–	64			

¹Houston clay soil. (E) = Experimental.

²Not planted in 1998 and 1999.

Table 56. Roundup Ready Maturity Group V Early Soybeans Planted April 28, 2000 (Prairie Research Unit).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999 ²	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK 5661RR	Delta King	–	–	18.6	9/11	26	1
3535NRR	Dyna-Gro	–	–	18.4	9/20	22	1
DG 5630RR	Delta Grow	–	–	18.0	9/18	27	1
SS RT557N	SS	–	–	17.9	9/18	28	1
ES 5000RR (E)	ES	–	–	17.5	9/22	23	1
S59-V6RR	NK	–	–	17.0	9/22	26	1
DK 5465RR	Delta King	–	–	16.8	9/18	23	1
DK 5366RR	Delta King	–	–	16.2	9/20	26	1
3562NRR	Dyna-Gro	–	–	16.0	9/18	25	1
HBK R5588	Hornbeck	–	–	15.6	9/18	27	1
SS XP RT46704 (E)	SS	–	–	15.5	9/20	32	1
5410RR	Progeny	–	–	15.5	9/13	25	1
TV 5666RR	Terral	–	–	15.3	9/18	24	1
TVX50R901 (E)	Terral	–	–	15.2	9/18	27	1
TV5486RR	Terral	–	–	15.0	9/18	32	2
DK 5668RR	Delta King	–	–	14.9	9/20	27	1
95B32	Pioneer	–	–	14.6	9/13	19	1
DK 5267RR	Delta King	–	–	14.2	9/18	23	1
ES 4900RR (E)	ES	–	–	14.1	9/08	18	1
AG5501	Asgrow	–	–	14.0	9/20	27	1
AG5701	Asgrow	–	–	14.0	9/18	24	1
DP 5644 RR	Deltapine	–	–	13.9	9/20	22	1
Morsoy RT5050	Morsoy	–	–	13.9	9/04	28	1
TVX54R908 (E)	Terral	–	–	13.5	9/20	35	1
556RR	Croplan Genetics	–	–	13.5	9/18	21	1
USG 7547RR	USG	–	–	13.5	9/18	20	1
540nRR (E)	USG	–	–	13.4	9/18	24	1
DPX 5514RR (E)	Deltapine	–	–	13.3	9/18	29	1
569RR/N	AgriPro/Garst	–	–	13.1	9/27	25	1
3521NRR	Dyna-Gro	–	–	12.8	9/18	24	1
95B53	Pioneer	–	–	12.3	9/11	23	1
RT541SCN	MFA Morsoy	–	–	12.3	9/11	24	1
SS XP RT5399 (E)	SS	–	–	12.1	9/11	21	1
USG 7557RR	USG	–	–	12.0	9/18	25	1
TVX52R901 (E)	Terral	–	–	11.7	9/11	22	1
5770RR	Croplan Genetics	–	–	11.4	9/29	25	1
SS XP RT5609 (E)	SS	–	–	11.3	9/26	26	1
510nRR (E)	USG	–	–	10.6	9/13	23	1
AG5602	Asgrow	–	–	8.3	9/22	23	1
H5231RR	Hartz	–	–	6.9	9/20	24	1
AG5001	Asgrow	–	–	6.8	9/01	28	1
9492	Pioneer	–	–	5.9	9/01	22	1
Overall Mean		–	–	13.7			
LSD (.10)		–	–	3.9			
Error degrees of freedom		–	–	82			
CV (%)		–	–	20.7			
R ² (%)		–	–	70			

¹Houston clay soil. (E) = Experimental.

²Not planted in 1998 and 1999.

Table 57. Roundup Ready Maturity Group V Late Soybeans Planted April 28, 2000 (Prairie Research Unit).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999 ²	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
6299RR	Croplan Genetics	–	–	20.8	9/25	19	1
DP 5806 RR	Deltapine	–	–	20.1	10/2	23	1
ES 5700RR (E)	ES	–	–	19.0	9/27	19	1
TVX62R901 (E)	Terral	–	–	18.9	9/27	23	1
DP5915RR	Deltapine	–	–	17.3	9/22	26	1
AG5902	Asgrow	–	–	17.0	9/27	24	1
590RR	Croplan Genetics	–	–	17.0	9/18	20	1
96B21	Pioneer	–	–	16.4	9/27	27	1
ES 5706RR (E)	ES	–	–	16.4	9/25	26	1
95B95	Pioneer	–	–	16.1	9/22	26	1
USG 7599nRR	USG	–	–	15.7	9/22	23	1
AG 5901	Asgrow	–	–	15.6	9/27	23	1
AG5802	Asgrow	–	–	15.6	10/2	20	1
DK 5762RR	Delta King	–	–	15.5	9/22	26	1
ES 5902RR (E)	ES	–	–	15.4	10/4	20	1
CX580CRR	DEKALB	–	–	15.2	9/20	21	1
DK 5961RR	Delta King	–	–	15.1	10/4	25	1
ES 5708RR (E)	ES	–	–	14.9	10/4	24	1
HBK R5920	Hornbeck	–	–	14.9	9/20	25	1
TVX59R901 (E)	Terral	–	–	14.7	9/20	22	1
SS RT587N	SS	–	–	14.7	9/29	20	1
AG 6101	Asgrow	–	–	14.7	9/25	23	1
AG6201	Asgrow	–	–	14.6	9/25	21	1
H5885RR	Hartz	–	–	14.0	9/18	19	1
3582NRR	Dyna-Gro	–	–	13.8	9/27	24	1
AG5701	Asgrow	–	–	13.7	9/13	19	1
DG 5950RR	Delta Grow	–	–	13.7	9/18	22	1
HBK R6020	Hornbeck	–	–	13.4	9/27	28	1
S59-V6RR	NK	–	–	13.2	9/27	22	1
TV 5866RR	Terral	–	–	13.2	9/20	26	1
SS RT 5999N	SS	–	–	13.0	9/18	32	1
H5999RR	Hartz	–	–	13.0	9/18	25	1
5900RR	Progeny	–	–	12.5	9/22	22	1
TVX5794RR (E)	Terral	–	–	12.3	9/27	21	1
ES 5707RR (E)	ES	–	–	12.1	9/22	24	1
HBK XR575-99 (E)	Hornbeck	–	–	12.1	9/29	19	1
ES 5903RR (E)	ES	–	–	10.4	9/20	24	1
SS RT 6299N	SS	–	–	6.7	9/29	23	1
Overall Mean		–	–	14.8			
LSD (.10)		–	–	3.2			
Error degrees of freedom		–	–	74			
CV (%)		–	–	15.8			
R ² (%)		–	–	74			

¹Houston clay soil. (E) = Experimental.

²Not planted in 1998 and 1999.

Location 5. Mississippi State University, Starkville

Location Summary

Stale seedbeds were do-alled, and soybeans were planted into good soil moisture. Subsequent rainfall helped beans emerge to a good, uniform

stand. Potential for above-average yields slowly dissipated with the onset of extremely hot, dry weather in July and August.

Soil type	Leeper silty clay
Soil pH	8.0
Soil fertility	P-M, K-L
Fertilizer added	0-46-60 @ 100 lb/A
Herbicide application	Preemergence - Squadron @ 3 pt/A + Roundup Ultra @ 1.5 pt/A (Conventional) Roundup Ultra @ 1.5 pt/A (Roundup Ready) Postemergence - Storm @ 1.5 pt/A + C.O.C. (Conventional) First Rate @ 0.3 oz/A + Select @ 10 oz/A + C.O.C. (Conventional) Roundup Ultra @ 1.5 pt/A (2 applications) (Roundup Ready)
Planting date	May 2
Harvest date	Group IV - September 15 Group VE - September 29 Group VL - October 13 Group VI - October 30

**Table 58. Maturity Group IV Early Soybeans Planted May 2, 2000
(Mississippi State University, Starkville).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
A4324	Asgrow	–	–	31.8	8/29	36	1
SS 439	SS	–	–	28.3	9/05	46	1
Dixie 478	Dixie	45.9	21.3	22.6	9/05	35	1
4882	AgriPro/Garst	–	34.1	19.5	9/15	43	1
DP 3478	Deltapine	51.3	28.4	18.8	9/15	42	2
DK 4680	Delta King	–	27.7	17.2	9/05	36	1
Overall Mean		41.7	29.9	23.0			
LSD (.10)		6.0	5.0	5.2			
Error degrees of freedom		28	26	10			
CV (%)		10.4	11.9	15.4			
R ² (%)		77	76	81			

¹Leeper silty clay soil.

Rainfall Summary

	Inches
May	2.27
June	6.54
July	0.63
August	0.56
September	1.11
October	1.66
Total	12.77

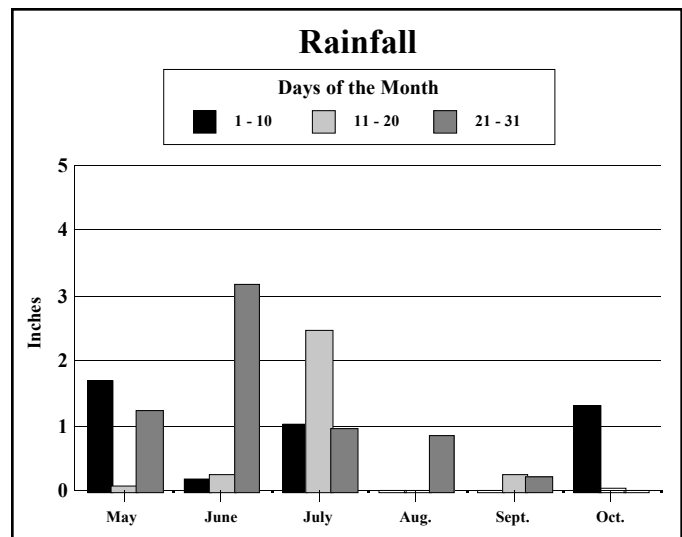


Table 59. Maturity Group IV Late Soybeans Planted May 2, 2000 (Mississippi State University, Starkville).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DP4748S	Deltapine	–	–	46.8	9/08	48	2
DP 4909	Deltapine	–	–	45.2	9/08	42	2
SS 4985STS	SS	–	34.2	44.8	9/06	40	2
SS XP4899 (E)	SS	–	–	43.9	8/30	44	2
TN93-87 (E)	Public	–	–	43.9	9/06	27	1
DK 4965RR	Delta King	–	37.2	43.2	9/01	38	1
9482	Pioneer	50.9	38.9	43.2	8/30	38	1
HBK 4891	Hornbeck	–	38.6	42.8	8/26	42	2
4910	Progeny	–	–	42.5	9/06	43	2
DPX 4910S (E)	Deltapine	–	–	42.5	9/15	45	2
DK 4868RR	Delta King	–	37.7	41.8	9/01	35	2
SS 514N	SS	–	38.9	41.7	9/06	33	2
TV4881	Terral	–	37.9	41.7	9/06	41	1
DK 4762RR	Delta King	–	33.8	40.1	9/06	40	2
DK 4711	Delta King	–	–	39.8	9/06	39	2
SS 495	SS	50.9	36.7	38.0	9/06	45	1
A4922	Asgrow	41.5	35.1	37.9	8/26	41	2
DP 3478	Deltapine	44.3	39.9	37.9	8/30	38	1
TV 4975	Terral	48.4	43.8	35.3	9/08	52	2
DT97-4290 (E)	Public	–	42.9	34.4	9/11	44	2
9511	Pioneer	54.9	45.5	33.2	9/08	40	2
490	Croplan Genetics	49.5	39.1	31.6	9/06	45	2
Overall Mean		45.7	38.4	40.6			
LSD (.10)		4.6	6.8	5.2			
Error degrees of freedom		36	54	42			
CV (%)		7.3	12.9	9.3			
R ² (%)		79	57	67			

¹Leeper silty clay soil. (E) = Experimental.

**Table 60. Maturity Group V Early Soybeans Planted May 2, 2000
(Mississippi State University, Starkville).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK 5580	Delta King	—	40.2	47.4	9/20	26	1
HY 574	AgriPro/Garst	47.3	37.2	44.8	9/22	41	2
DK 5850	Delta King	41.1	38.1	44.5	9/20	27	1
DT97-6308 (E)	Public	—	—	44.4	9/15	27	1
Delsoy 5500	Public	36.9	33.2	43.3	9/15	31	1
DK 5366RR	Delta King	—	—	41.8	9/22	34	1
Robin 5	Croplan Genetics	42.1	48.3	41.6	9/22	24	1
DP 5354	Deltapine	43.3	39.8	41.0	9/14	38	2
95B33	Pioneer	45.9	23.4	40.8	9/11	23	1
A5547	Asgrow	41.3	41.0	39.8	9/20	25	1
Hutcheson	Public	41.7	32.1	39.5	9/22	29	1
S96-2692 (E)	Public	—	—	39.1	9/15	25	1
Anand	Public	—	32.4	38.2	9/15	18	1
5600	Progeny	—	—	37.6	9/11	39	2
DK 5661RR	Delta King	—	30.5	37.1	9/20	29	1
X056 (E)	NK	—	—	36.6	9/22	43	2
DK 5668RR	Delta King	—	—	36.4	9/19	23	1
DP 5655	Deltapine	—	—	36.2	9/17	28	3
DK 5465RR	Delta King	—	—	36.1	9/22	27	1
TV5495	Terral	45.1	34.2	35.7	9/19	31	1
DK 5267RR	Delta King	—	—	34.3	9/11	29	1
Progeny 5120N	Progeny	—	31.6	34.2	9/15	38	1
Essex RSV1 (E)	Public	33.1	29.1	32.8	9/09	23	1
Essex RSV1-n (E)	Public	—	—	30.6	9/09	36	1
Essex RSV3 (E)	Public	—	—	29.7	9/09	22	1
9511	Pioneer	45.9	28.0	28.9	9/11	28	2
Essex	Public	33.6	22.2	28.0	9/09	20	1
Essex RSV4 (E)	Public	—	24.3	27.5	9/09	19	1
520	Croplan Genetics	39.4	27.4	26.6	9/22	42	1
MFA Morsoy 5080	Morsoy	—	—	20.5	9/11	41	2
Overall Mean		40.2	32.2	36.5			
LSD (.10)		5.0	11.2	6.8			
Error degrees of freedom		62	58	57			
CV (%)		9.2	25.5	13.7			
R ² (%)		76	50	72			

¹Leeper silty clay soil. (E) = Experimental.

**Table 61. Maturity Group V Late Soybeans Planted May 2, 2000
(Mississippi State University, Starkville).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK 5995	Delta King	45.6	40.7	44.1	9/22	38	1
HBK 5991	Hornbeck	–	43.0	39.9	9/06	29	1
HBK 5990	Hornbeck	42.5	42.9	39.6	9/15	34	1
R95-2210 (E)	Public	–	38.8	38.2	9/22	25	1
V91-3036 (E)	Public	31.3	39.0	38.0	9/15	35	1
SS 597N	SS	–	42.1	37.9	10/3	37	1
S59-60	NK	45.3	46.2	37.3	9/22	31	1
A5959	Asgrow	44.2	47.9	36.9	9/19	36	1
DT96-6840 (E)	Public	–	44.1	36.9	9/22	33	2
9594	Pioneer	–	43.7	35.5	9/16	23	1
TV5926	Terral	36.1	43.5	35.3	9/22	39	1
A5944	Asgrow	41.2	32.9	34.8	9/29	36	1
S94-1867 (E)	Public	–	–	34.5	9/15	45	2
TV 5893	Terral	48.6	49.3	34.4	9/22	38	1
X057R (E)	NK	–	–	33.4	9/22	40	1
X058R (E)	NK	–	–	33.3	9/22	22	1
5799	Dixie	–	–	32.6	9/05	22	1
TN93-99 (E)	Public	–	–	32.6	9/15	29	1
DK 5762RR	Delta King	–	35.6	32.2	9/22	38	1
S96-2641 (E)	Public	–	–	30.7	9/15	34	1
DG 5940	Delta Grow	–	–	30.6	10/1	38	1
DPX 5877 (E)	Deltapine	–	–	30.1	9/20	43	1
DK 5961RR	Delta King	–	30.5	28.9	9/22	34	1
TN94-213 (E)	Public	–	–	28.1	9/15	21	1
Bolivar	Public	47.4	45.1	27.5	9/15	45	2
DT96-16809 (E)	Public	–	49.5	27.2	9/15	42	2
UARK-5798	Public	43.2	46.5	27.2	9/15	34	1
Caviness	Public	39.4	41.3	26.7	9/15	32	1
Hutcheson	Public	40.1	25.7	25.6	9/15	26	1
DP5989	Deltapine	–	–	19.8	9/22	47	2
Overall Mean		41.0	39.8	32.9			
LSD (.10)		4.0	5.8	7.9			
Error degrees of freedom		56	68	58			
CV (%)		7.2	10.8	17.5			
R ² (%)		79	77	58			

¹Leeper silty clay soil. (E) = Experimental.

Table 62. Maturity Group VI Soybeans Planted May 2, 2000 (Mississippi State University, Starkville).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
SC91-2007 (E)	Public	–	43.3	33.7	10/2	42	2
HBK 6600	Hornbeck	40.1	41.6	32.7	10/1	43	2
9692	Pioneer	37.9	48.5	29.9	10/2	30	1
TN93-142-17	Public	–	43.9	27.4	10/1	37	1
R92-1258	Public	43.9	44.7	25.6	10/1	42	2
9594	Pioneer	42.6	41.4	23.2	10/0	31	1
SS 665N	SS	–	43.1	23.0	10/1	31	1
9631	Pioneer	43.4	51.0	22.5	10/1	44	3
Dillon	Public	39.7	44.5	21.2	10/0	40	1
Overall Mean		35.6	41.6	26.6			
LSD (.10)		6.6	5.1	9.0			
Error degrees of freedom		42	38	16			
CV (%)		13.4	8.9	23.9			
R ² (%)		68	82	65			

¹Leeper silty clay soil. (E) = Experimental.

Table 63. Roundup Ready Maturity Group IV Late Soybeans Planted May 2, 2000 (Mississippi State University, Starkville).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK 4965RR	Delta King	–	31.4	48.5	9/06	40	1
AG4902	Asgrow	–	30.9	46.1	8/30	38	1
Morsoy RT4809	Morsoy	–	–	45.9	9/08	41	1
SS RT517N	SS	–	33.4	45.8	9/08	31	1
AG4702	Asgrow	–	–	45.4	8/26	34	2
DG 4850RR	Delta Grow	–	–	45.0	8/30	44	2
TVX48R901 (E)	Terral	–	–	44.7	8/30	40	1
DK 4868RR	Delta King	–	33.7	44.0	9/06	39	1
3484NRR	Dyna-Gro	–	–	43.0	9/06	45	2
H4994RR	Hartz	–	–	42.7	9/08	29	2
9492	Pioneer	53.2	30.7	41.8	8/28	36	1
DK 4762RR	Delta King	34.3	35.1	40.9	9/06	42	1
TV4890RR	Terral	–	30.1	40.8	8/28	37	1
SS XP RT4980 (E)	SS	–	–	37.9	9/06	44	2
AG4901	Asgrow	46.1	24.8	37.5	8/30	42	2
480RR	Croplan Genetics	–	30.3	37.3	8/26	41	1
TVX48R908 (E)	Terral	–	–	37.0	8/30	45	2
Genesis A484	Genesis	–	–	36.8	9/06	38	2
4803RR	Dixie	–	–	36.0	8/30	41	2
HBK R4920	Hornbeck	–	–	35.6	8/28	36	1
HBK R4855	Hornbeck	–	24.0	35.6	9/01	43	1
ES 4902RR (E)	ES	–	–	34.6	9/15	48	3
TV4886RR	Terral	–	–	33.0	8/26	43	1
AG4601	Asgrow	–	28.7	32.8	8/26	21	2
SG498RR	Deltapine	45.6	32.0	32.5	9/08	38	2
S51-TI	NK	43.1	35.0	31.7	9/08	60	2
H4884RR	Hartz	–	–	30.6	8/26	40	1
Genesis A504	Genesis	–	–	25.7	8/26	39	2
4979RR	Croplan Genetics	–	30.9	21.6	9/08	49	2
Overall Mean		47.3	29.8	38.3			
LSD (.10)		5.7	6.1	10.4			
Error degrees of freedom		24	34	56			
CV (%)		8.6	14.7	19.9			
R ² (%)		77	46	53			

¹Leeper silty clay soil. (E) = Experimental.

**Table 64. Roundup Ready Maturity Group V Early Soybeans Planted May 2, 2000
(Mississippi State University, Starkville).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK 5366RR	Delta King	–	–	39.0	9/15	34	1
DK 5267RR	Delta King	–	–	37.3	9/11	27	1
SS RT557N	SS	–	40.7	36.8	9/13	37	1
95B53	Pioneer	–	42.0	35.9	9/11	25	1
ES 4900RR (E)	ES	–	–	35.8	9/09	26	1
RT541SCN	MFA Morsoy	–	–	35.7	9/11	28	1
S59-V6RR	NK	–	38.9	35.2	9/20	34	1
510nRR	USG	–	–	35.1	9/19	30	1
AG5701	Asgrow	–	–	34.4	9/19	34	2
3562NRR	Dyna-Gro	–	–	33.6	9/20	34	1
DK 5668RR	Delta King	–	–	33.2	9/15	28	1
DK 5465RR	Delta King	–	–	32.8	9/19	27	1
SS XP RT5609 (E)	SS	–	–	32.8	9/19	27	1
DP 5644 RR	Deltapine	38.9	38.4	32.8	9/19	34	1
TV 5666RR	Terral	37.7	37.4	32.3	9/15	35	1
ES 5000RR (E)	ES	–	–	32.3	9/20	42	2
USG 7547RR	USG	–	41.5	32.0	9/15	26	1
TVX50R901 (E)	Terral	–	–	31.7	9/11	31	1
5410RR (E)	Progeny	–	–	31.7	9/11	35	1
540nRR (E)	USG	–	–	31.6	9/16	26	1
569RR/N	AgriPro/Garst	–	41.3	30.9	9/20	38	1
DG 5630RR	Delta Grow	–	–	30.9	9/20	34	1
USG 7557RR	USG	–	34.9	30.8	9/15	34	1
95B32	Pioneer	–	–	30.8	9/09	31	1
HBK R5588	Hornbeck	42.4	36.5	30.6	9/15	27	1
DK 5661RR	Delta King	–	44.7	30.2	9/15	34	1
TVX52R901 (E)	Terral	–	–	30.1	9/11	32	1
DPX 5514RR (E)	Deltapine	–	–	29.9	9/11	38	2
3535NRR	Dyna-Gro	–	–	29.9	9/15	40	1
3521NRR	Dyna-Gro	–	–	29.8	9/15	30	1
556RR	Croplan Genetics	36.7	37.5	29.5	9/15	26	1
TVX54R908 (E)	Terral	–	–	29.0	9/15	39	2
SS XP RT5399 (E)	SS	–	–	28.3	9/09	22	1
TV5486RR	Terral	–	45.6	28.2	9/15	42	2
AG5501	Asgrow	–	–	27.2	9/19	28	1
9492	Pioneer	–	26.4	26.2	9/09	29	1
AG5602	Asgrow	31.5	34.7	25.5	9/20	28	1
H5231RR	Hartz	–	–	24.9	9/20	25	1
AG5001	Asgrow	–	27.9	24.4	9/11	32	1
5770RR	Croplan Genetics	–	–	24.1	9/25	30	1
SS XP RT46704 (E)	SS	–	–	23.5	9/15	40	2
Morsoy RT5050	Morsoy	–	–	20.6	9/08	34	2
Overall Mean		36.5	35.5	30.9			
LSD (.10)		6.0	6.1	5.6			
Error degrees of freedom		56	62	82			
CV (%)		12.1	12.6	13.3			
R ² (%)		61	73	76			

¹Leeper silty clay soil. (E) = Experimental.

**Table 65. Roundup Ready Maturity Group V Late Soybeans Planted May 2, 2000
(Mississippi State University, Starkville).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
3582NRR	Dyna-Gro	–	–	36.4	9/29	35	1
DP 5806 RR	Deltapine	40.6	46.4	36.1	9/29	40	2
H5885RR	Hartz	–	–	36.1	9/19	36	1
H5999RR	Hartz	34.2	45.7	35.5	9/27	39	1
DG 5950RR	Delta Grow	–	40.4	35.5	9/29	41	1
DK 5762RR	Delta King	–	27.6	35.3	9/29	39	1
AG5902	Asgrow	–	–	35.2	10/1	38	1
CX580CRR	DEKALB	–	37.4	35.2	9/20	33	1
96B21	Pioneer	–	–	35.1	9/27	43	1
TVX59R901 (E)	Terral	–	–	35.0	10/3	37	1
DP5915RR	Deltapine	–	53.9	34.4	10/1	37	1
5900RR	Progeny	–	–	34.3	9/22	30	1
S59-V6RR	NK	46.3	38.1	34.3	10/1	34	1
590RR	Croplan Genetics	–	40.1	33.9	9/20	33	1
HBK R5920	Hornbeck	–	44.4	33.5	10/1	34	1
HBK XR575-99 (E)	Hornbeck	–	–	33.5	9/27	27	1
AG5701	Asgrow	–	45.1	33.1	9/19	40	1
ES 5700RR (E)	ES	–	–	32.5	10/3	35	1
6299RR	Croplan Genetics	–	–	32.3	9/27	37	1
AG6201	Asgrow	–	–	31.7	10/1	37	1
ES 5706RR (E)	ES	–	–	31.6	9/26	45	1
USG 7599nRR	USG	–	43.0	31.5	10/1	43	1
AG 5901	Asgrow	36.9	40.1	31.3	10/3	30	1
SS RT587N	SS	–	37.2	30.6	9/29	40	1
TVX62R901 (E)	Terral	–	–	30.4	9/25	41	2
HBK R6020	Hornbeck	–	45.1	30.3	10/1	37	2
AG 6101	Asgrow	–	–	30.0	10/3	36	1
ES 5902RR (E)	ES	–	–	29.9	10/1	31	1
TV 5866RR	Terral	–	–	28.8	9/27	31	2
TVX5794RR (E)	Terral	–	–	27.4	10/1	35	1
SS RT 5999N	SS	–	–	26.9	9/20	40	1
AG5802	Asgrow	–	37.2	25.1	10/1	35	1
DK 5961RR	Delta King	–	36.5	24.5	10/1	37	1
95B95	Pioneer	–	–	24.0	10/1	36	1
SS RT 6299N	SS	–	–	23.9	10/1	40	1
ES 5708RR (E)	ES	–	–	23.4	10/1	44	1
ES 5903RR (E)	ES	–	–	21.7	9/27	34	1
ES 5707RR (E)	ES	–	–	20.4	9/15	36	1
Overall Mean		37.0	40.8	31.1			
LSD (.10)		4.3	9.2	6.0			
Error degrees of freedom		50	62	74			
CV (%)		8.5	16.5	14.2			
R ² (%)		80	57	72			

¹Leeper silty clay soil. (E) = Experimental.

Location 6. Gaddis Farms, Bolton

Location Summary

Conditions were dry at planting, but the location received rain after planting, allowing soybeans to emerge to a good, uniform stand. From early growing season until harvest, there was lit-

tle rain. Soil temperatures for 19 days were 100° degrees or higher. Air temperatures for 20 days were more than 100°.

Soil type Loring silt loam
 Soil pH 5.7
 Soil fertility P-M, K-M
 Fertilizer added None

Herbicide application Preemergence - Squadron @ 1.5 pt/A + Roundup Ultra @ 1.5 pt/A (Conventional)
 Roundup Ultra @ 1.5 pt/A (Roundup Ready)
 Postemergence - Classic @ 0.5 oz/A + Nonionic surfactant @ .25% (2 applications) (Conventional)
 Roundup Ultra @ 1.5 pt/A (2 applications) (Roundup Ready)

Planting date May 8

Harvest date Group IV RR - September 6
 Group IV Conventional - September 18
 Group V - October 10
 Group VI - October 26

Table 66. Maturity Group IV Early Soybeans Planted May 8, 2000 (Bolton, Hinds County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK 4680	Delta King	–	34.8	31.6	8/30	29	1
4882	AgriPro/Garst	–	43.7	25.2	8/30	46	1
SS 439	SS	–	–	21.7	8/17	32	1
A4324	Asgrow	–	–	17.0	8/20	31	1
Dixie 478	Dixie	–	47.6	16.2	9/27	35	1
Overall Mean		–	38.1	22.4			
LSD (.10)		–	7.9	4.8			
Error degrees of freedom		–	26	8			
CV (%)		–	14.8	14.2			
R ² (%)		–	55	89			

¹Loring silt loam soil.
²Not planted in 1998.

Rainfall Summary

	Inches
May	2.00
June	5.03
July	1.72
August	3.77
September	0.66
October	1.75
Total	14.93

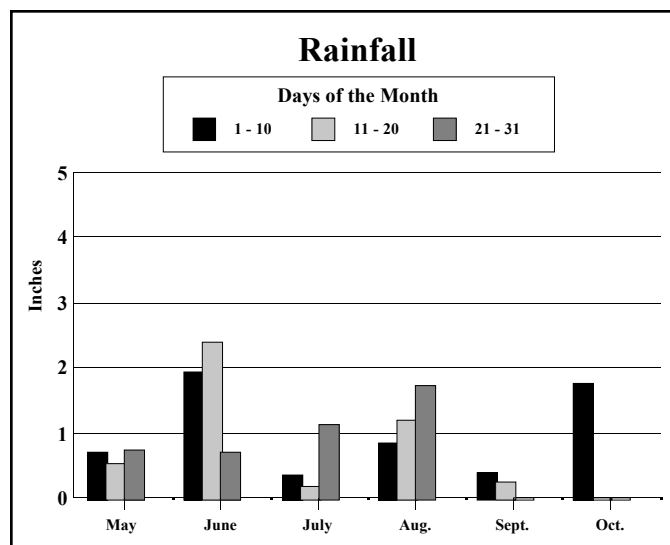


Table 67. Maturity Group IV Late Soybeans Planted May 8, 2000 (Bolton, Hinds County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
SS 4985STS	SS	–	23.3	27.2	9/03	30	1
9511	Pioneer	–	33.8	24.9	9/04	36	1
DK 4868RR	Delta King	–	32.0	23.7	8/27	33	1
DPX 4910S (E)	Deltapine	–	–	22.4	9/03	40	1
SS XP4899 (E)	SS	–	–	22.3	8/30	34	1
DP 4909	Deltapine	–	–	22.0	9/03	35	1
4910	Progeny	–	–	22.0	8/29	37	1
DT97-4290 (E)	Public	–	39.5	21.5	9/01	36	1
SS 514N	SS	–	31.4	21.3	9/03	27	1
TV 4975	Terral	–	34.2	21.3	8/30	50	1
DK 4711	Delta King	–	–	21.3	8/30	35	1
SS 495	SS	–	34.6	19.6	9/03	35	1
490	Croplan Genetics	–	22.5	19.0	9/15	42	1
DK 4965RR	Delta King	–	32.8	18.7	8/27	28	1
DP 3478	Deltapine	–	36.5	18.6	8/30	36	1
DP4748S	Deltapine	–	–	18.5	8/27	42	1
TV4881	Terral	–	35.5	17.7	8/30	34	1
TN93-87 (E)	Public	–	–	17.4	9/03	21	1
9482	Pioneer	–	33.7	14.6	8/27	30	1
HBK 4891	Hornbeck	–	29.2	13.8	8/24	30	1
DK 4762RR	Delta King	–	27.4	11.7	8/27	39	1
A4922	Asgrow	–	30.9	9.5	8/23	32	1
Overall Mean		–	30.6	19.5			
LSD (.10)		–	9.3	7.6			
Error degrees of freedom		–	54	42			
CV (%)		–	22.3	28.3			
R ² (%)		–	58	56			

¹Loring silt loam soil. (E) = Experimental.

²Not planted in 1998.

Table 68. Maturity Group V Early Soybeans Planted May 8, 2000 (Bolton, Hinds County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK 5366RR	Delta King	–	–	26.3	9/12	25	1
DK 5580	Delta King	–	37.5	25.8	9/15	21	1
DT97-6308 (E)	Public	–	–	25.3	9/13	22	1
DK 5850	Delta King	–	35.2	24.4	9/12	23	1
Robin 5	Croplan Genetics	–	35.1	23.7	9/19	22	1
Delsoy 5500	Public	–	30.4	22.3	9/13	23	1
520	Croplan Genetics	–	17.9	21.1	9/15	36	1
S96-2692 (E)	Public	–	–	21.0	9/13	22	1
9511	Pioneer	–	27.1	20.6	9/04	42	1
Hutcheson	Public	–	31.4	20.4	9/15	22	1
TV5495	Terral	–	32.7	20.2	9/15	32	1
DP 5655	Deltapine	–	–	19.9	9/12	35	1
DK 5465RR	Delta King	–	–	19.6	9/12	22	1
DK 5668RR	Delta King	–	–	19.1	9/19	24	1
5600	Progeny	–	–	18.6	9/08	27	1
DK 5661RR	Delta King	–	21.7	17.8	9/12	21	1
95B33	Pioneer	–	34.4	17.7	9/12	22	1
HY 574	AgriPro/Garst	–	31.1	17.0	9/16	28	1
X056 (E)	NK	–	–	16.7	9/15	35	1
Essex	Public	–	25.1	16.6	9/06	20	1
Progeny 5120N	Progeny	–	31.4	16.5	9/18	25	1
DP 5354	Deltapine	–	20.6	16.5	9/05	24	1
DK 5267RR	Delta King	–	–	14.8	9/18	24	1
A5547	Asgrow	–	31.7	14.8	9/19	22	1
Essex RSV1 (E)	Public	–	33.0	13.3	9/06	19	1
Essex RSV4 (E)	Public	–	34.1	13.1	9/12	19	1
Essex RSV3 (E)	Public	–	–	10.8	9/11	18	1
Anand	Public	–	22.1	10.4	9/04	15	1
Essex RSV1-n (E)	Public	–	–	10.2	9/04	19	1
MFA Morsoy 5080	Morsoy	–	–	7.3	8/31	36	1
Overall Mean		–	29.6	18.1			
LSD (.10)		–	7.9	5.4			
Error degrees of freedom		–	58	58			
CV (%)		–	19.6	22.1			
R ² (%)		–	58	71			

¹Loring silt loam soil. (E) = Experimental.

²Not planted in 1998.

Table 69. Roundup Ready Maturity Group IV Early Soybeans Planted May 8, 2000 (Bolton, Hinds County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999 ²	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
TV4787RR	Terral	–	–	26.9	8/28	38	1
AG4602	Asgrow	–	–	24.6	8/23	36	1
DP 4690RR	Deltapine	–	–	24.5	8/27	37	1
4888RR	AgriPro/Garst	–	–	23.2	8/27	36	1
AG4702	Asgrow	–	–	21.8	8/22	32	1
HBK R4660	Hornbeck	–	–	20.6	8/23	44	1
AG4403	Asgrow	–	–	18.6	8/22	28	1
AG4601	Asgrow	–	–	18.2	8/24	29	1
466RR	Croplan Genetics	–	–	17.5	8/23	40	1
TV4589RR	Terral	–	–	17.2	8/20	31	1
SS RT446N	SS	–	–	16.9	8/22	31	1
D472RR/N	Garst	–	–	15.4	8/19	37	1
94B41	Pioneer	–	–	15.3	8/16	29	1
3463NRR	Dyna-Gro	–	–	14.6	8/19	37	1
DP4344RR	Deltapine	–	–	10.3	8/21	36	1
Overall Mean		–	–	19.0			
LSD (.10)		–	–	3.8			
Error degrees of freedom		–	–	28			
CV (%)		–	–	14.4			
R ² (%)		–	–	86			
¹ Loring silt loam soil.							
² Not planted in 1998 and 1999.							

Table 70. Roundup Ready Maturity Group IV Late Soybeans Planted May 8, 2000 (Bolton, Hinds County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999 ²	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK 4965RR	Delta King	–	–	33.3	8/24	35	1
DK 4868RR	Delta King	–	–	30.5	8/29	35	1
TV4886RR	Terral	–	–	29.7	8/23	38	1
TVX48R908 (E)	Terral	–	–	27.5	8/28	45	1
SS RT517N	SS	–	–	27.0	8/30	29	1
Morsoy RT4809	Morsoy	–	–	26.9	8/23	35	1
ES 4902RR (E)	ES	–	–	26.2	9/04	37	1
4803RR	Dixie	–	–	25.9	8/26	38	1
SS XP RT4980 (E)	SS	–	–	25.8	8/27	37	1
H4884RR	Hartz	–	–	25.8	8/26	39	1
3484NRR	Dyna-Gro	–	–	25.2	8/22	34	1
DK 4762RR	Delta King	–	–	25.1	8/27	40	1
S51-TI	NK	–	–	24.4	9/04	48	1
HBK R4920	Hornbeck	–	–	24.2	8/26	37	1
SG498RR	Deltapine	–	–	23.7	8/27	32	1
Genesis A504	Genesis	–	–	23.6	8/26	38	1
H4994RR	Hartz	–	–	23.0	8/30	29	1
4979RR	Croplan Genetics	–	–	22.8	9/04	45	1
DG 4850RR	Delta Grow	–	–	21.5	8/23	39	3
Genesis A484	Genesis	–	–	20.9	8/24	39	1
TVX48R901 (E)	Terral	–	–	20.6	8/23	36	1
HBK R4855	Hornbeck	–	–	19.9	8/23	40	1
AG4902	Asgrow	–	–	19.4	8/22	31	1
480RR	Croplan Genetics	–	–	18.9	8/26	32	1
AG4901	Asgrow	–	–	18.5	8/23	35	1
AG4601	Asgrow	–	–	17.7	8/22	31	1
TV4890RR	Terral	–	–	15.9	8/19	39	1
9492	Pioneer	–	–	15.4	8/21	32	1
AG4702	Asgrow	–	–	14.7	8/21	34	1
Overall Mean		–	–	23.2			
LSD (.10)		–	–	5.4			
Error degrees of freedom		–	–	56			
CV (%)		–	–	17.0			
R ² (%)		–	–	68			

¹Loring silt loam soil. (E) = Experimental.²Not planted in 1998 and 1999.

Table 71. Roundup Ready Maturity Group V Early Soybeans Planted May 8, 2000 (Bolton, Hinds County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999 ²	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
540nRR (E)	USG	–	–	22.9	9/16	29	1
DK 5661RR	Delta King	–	–	21.7	9/15	29	1
3535NRR	Dyna-Gro	–	–	20.5	9/17	36	1
3562NRR	Dyna-Gro	–	–	20.3	9/16	32	1
ES 5000RR (E)	ES	–	–	19.8	9/15	38	1
556RR	Croplan Genetics	–	–	19.6	9/15	31	1
95B53	Pioneer	–	–	19.3	9/03	24	1
DK 5465RR	Delta King	–	–	19.0	9/17	29	1
SS RT557N	SS	–	–	18.5	9/15	32	1
DPX 5514RR (E)	Deltapine	–	–	17.5	9/15	30	1
TVX54R908 (E)	Terral	–	–	17.1	9/15	42	1
TVX52R901 (E)	Terral	–	–	16.8	9/16	34	1
AG5602	Asgrow	–	–	16.7	9/17	28	1
SS XP RT46704 (E)	SS	–	–	16.3	9/06	35	1
DP 5644 RR	Deltapine	–	–	16.0	9/15	36	1
DK 5668RR	Delta King	–	–	15.7	9/16	30	1
AG5701	Asgrow	–	–	15.7	9/05	31	1
SS XP RT5609 (E)	SS	–	–	15.7	9/27	29	1
DK 5267RR	Delta King	–	–	15.5	9/13	28	1
DK 5366RR	Delta King	–	–	15.4	9/13	29	1
AG5501	Asgrow	–	–	15.1	8/30	26	1
TVX50R901 (E)	Terral	–	–	14.8	8/31	28	1
TV 5666RR	Terral	–	–	14.7	9/13	32	1
5410RR	Progeny	–	–	14.5	9/15	31	1
SS XP RT5399 (E)	SS	–	–	14.4	9/03	27	1
USG 7547RR	USG	–	–	14.4	9/14	27	1
DG 5630RR	Delta Grow	–	–	14.4	9/12	31	1
S59-V6RR	NK	–	–	14.0	9/25	31	1
95B32	Pioneer	–	–	13.9	9/03	19	1
3521NRR	Dyna-Gro	–	–	13.2	9/05	26	1
510nRR (E)	USG	–	–	12.9	9/05	26	1
H5231RR	Hartz	–	–	12.8	9/03	22	1
RT541SCN	MFA Morsoy	–	–	12.8	9/13	26	1
569RR/N	AgriPro/Garst	–	–	12.4	9/27	36	1
HBK R5588	Hornbeck	–	–	12.0	9/15	27	1
TV5486RR	Terral	–	–	11.9	9/14	40	1
USG 7557RR	USG	–	–	11.7	9/15	25	1
5770RR	Croplan Genetics	–	–	11.1	9/06	31	1
ES 4900RR (E)	ES	–	–	10.3	9/04	19	1
9492	Pioneer	–	–	9.3	8/30	27	1
AG5001	Asgrow	–	–	8.8	8/27	35	1
Morsoy RT5050	Morsoy	–	–	8.6	8/30	34	1
Overall Mean		–	–	15.2			
LSD (.10)		–	–	7.8			
Error degrees of freedom		–	–	82			
CV (%)		–	–	37.6			
R ² (%)		–	–	66			

¹Loring silt loam soil. (E) = Experimental.

²Not Planted in 1998 and 1999.

Location 7. Gibb Steele Farm, Longwood

Location Summary

This location was planted stale into rice residue from the previous year. The plot area was burned down and planted into good soil moisture.

Soybeans emerged to a good stand. May and June had sufficient rainfall, but July and August were dry with high temperatures.

Soil type	Sharkey clay
Soil pH	7.2
Soil fertility	P-H, K-H+
Fertilizer added	None
Herbicide application	Burndown - Roundup Ultra @ 32 oz/A Preemergence - Squadron @ 3 pt/A + Prowl @ 0.6 pt/A (Conventional) Roundup Ultra @ 32 oz/A (Roundup Ready) Postemergence - Reflex @ 1.5 pt/A + Select @ 8 oz/A (Conventional) Roundup Ultra @ 32 oz/A (Roundup Ready)
Irrigation	July 8, July 17, August 4, August 15, August 24, and September 4
Planting date	April 25
Harvest date	Group IV - September 19 Group V - October 4

Table 72. Maturity Group IV Early Soybeans Planted April 25, 2000 (Longwood, Washington County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
Dixie 478	Dixie	–	53.1	58.4	9/10	32	1
DP 3478	Deltapine	–	50.9	56.5	9/09	31	2
4882	AgriPro/Garst	–	50.7	54.5	9/09	23	1
SS 439	SS	–	–	47.4	9/07	30	1
DK 4680	Delta King	–	50.2	45.4	9/10	24	1
A4324	Asgrow	–	–	30.2	9/08	22	1
Overall Mean		–	51.7	48.7			
LSD (.10)		–	7.1	9.8			
Error degrees of freedom		–	26	10			
CV (%)		–	9.8	13.6			
R ² (%)		–	75	80			
¹ Sharkey clay soil.							
² Not planted in 1998.							

Rainfall Summary

	Inches
May	1.30
June	3.63
July	0
August	0
September	2.00
October	1.50
Total	8.43

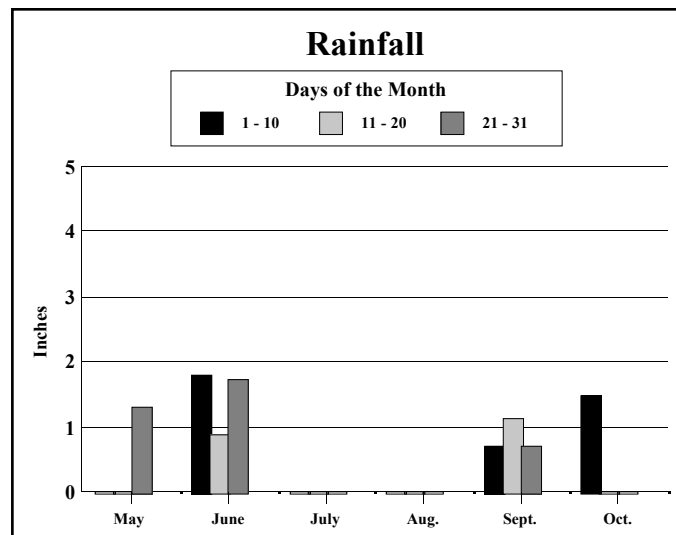


Table 73. Maturity Group IV Late Soybeans Planted April 25, 2000 (Longwood, Washington County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
4910	Progeny	–	–	72.4	9/17	33	1
DK 4868RR	Delta King	–	63.7	67.9	9/10	28	1
DPX 4910S (E)	Deltapine	–	–	67.5	9/20	30	2
490	Croplan Genetics	–	59.5	67.3	9/21	45	2
SS 495	SS	–	68.7	66.8	9/21	35	2
DP4748S	Deltapine	–	–	66.6	9/10	36	2
9482	Pioneer	–	57.0	66.4	9/7	30	1
DT97-4290 (E)	Public	–	65.0	64.7	9/19	32	1
TV 4975	Terral	–	71.3	62.7	9/19	39	2
DP 4909	Deltapine	–	–	62.5	9/20	36	2
SS XP4899 (E)	SS	–	–	61.3	9/9	36	1
DP 3478	Deltapine	–	55.5	59.8	9/9	26	1
SS 4985STS	SS	–	58.4	59.1	9/17	17	1
HBK 4891	Hornbeck	–	47.6	59.0	9/7	28	1
DK 4711	Delta King	–	–	55.7	9/8	30	1
TN93-87 (E)	Public	–	–	55.5	9/18	17	1
TV4881	Terral	–	52.7	53.3	9/8	27	1
9511	Pioneer	–	70.2	52.9	9/18	38	2
DK 4965RR	Delta King	–	59.0	52.4	9/8	26	1
SS 514N	SS	–	62.5	51.8	9/19	17	1
A4922	Asgrow	–	58.5	49.5	9/7	27	1
DK 4762RR	Delta King	–	46.9	48.7	9/8	30	1
Overall Mean		–	59.2	60.0			
LSD (.10)		–	7.9	8.8			
Error degrees of freedom		–	54	42			
CV (%)		–	9.7	10.7			
R ² (%)		–	71	73			

¹Sharkey clay soil. (E) = Experimental.

²Not planted in 1998.

Table 74. Maturity Group V Early Soybeans Planted April 25, 2000 (Longwood, Washington County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
5600	Progeny	–	–	72.6	9/18	22	1
DP 5354	Deltapine	–	66.0	66.8	9/18	20	1
DK 5366RR	Delta King	–	–	65.7	9/24	25	1
95B33	Pioneer	–	55.2	63.8	9/27	19	1
DK 5668RR	Delta King	–	–	63.3	10/2	20	1
DP 5655	Deltapine	–	–	62.3	9/19	31	2
Delsoy 5500	Public	–	64.2	60.8	9/20	17	1
A5547	Asgrow	–	64.5	60.3	9/26	19	1
DK 5580	Delta King	–	56.4	60.0	9/26	16	1
TV5495	Terral	–	59.6	58.7	9/25	24	1
DK 5267RR	Delta King	–	–	57.8	9/19	21	1
DK 5850	Delta King	–	60.2	56.8	9/24	22	1
DT97-6308 (E)	Public	–	–	56.8	9/24	16	1
Essex RSV1 (E)	Public	–	49.9	56.8	9/17	17	1
S96-2692 (E)	Public	–	–	55.5	9/20	17	1
520	Croplan Genetics	–	45.9	55.2	9/24	35	2
HY 574	AgriPro/Garst	–	63.0	54.5	10/3	15	1
Progeny 5120N	Progeny	–	59.3	54.2	9/20	18	1
DK 5661RR	Delta King	–	49.6	54.1	9/28	17	1
X056 (E)	NK	–	–	52.2	9/28	44	3
9511	Pioneer	–	64.5	52.2	9/18	40	3
DK 5465RR	Delta King	–	–	52.0	10/2	17	1
Robin 5	Croplan Genetics	–	59.7	48.7	9/30	16	1
Hutcheson	Public	–	47.8	47.3	9/27	15	1
Anand	Public	–	–	46.8	9/28	17	1
Essex	Public	–	41.6	45.4	9/20	16	1
Essex RSV4 (E)	Public	–	41.8	44.8	9/19	15	1
MFA Morsoy 5080	Morsoy	–	–	43.5	9/16	22	1
Essex RSV3 (E)	Public	–	–	42.2	9/19	15	1
Essex RSV1-n (E)	Public	–	–	42.1	9/18	16	1
Overall Mean		–	53.6	55.1			
LSD (.10)		–	7.9	6.6			
Error degrees of freedom		–	58	58			
CV (%)		–	10.8	8.8			
R ² (%)		–	78	80			

¹Sharkey clay soil. (E) = Experimental.

²Not Planted in 1998.

Table 75. Maturity Group V Late Soybeans Planted April 25, 2000 (Longwood, Washington County).¹

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
S59-60	NK	–	66.6	71.0	10/2	24	1
9594	Pioneer	–	69.6	67.8	9/27	25	1
HBK 5991	Hornbeck	–	71.8	66.0	9/21	20	1
DT96-16809 (E)	Public	–	67.4	65.4	9/24	25	1
A5959	Asgrow	–	64.4	60.4	10/1	19	1
DPX 5877 (E)	Deltapine	–	–	59.7	9/27	24	2
UARK-5798	Public	–	65.2	58.5	9/28	24	2
DT96-6840 (E)	Public	–	69.1	58.3	9/27	18	1
HBK 5990	Hornbeck	–	59.4	58.0	9/27	21	1
DK 5995	Delta King	–	60.6	58.0	10.1	17	1
V91-3036 (E)	Public	–	58.6	56.1	9/24	19	1
TV 5893	Terral	–	63.7	55.2	9/28	20	2
Bolivar	Public	–	61.9	54.3	9/24	26	1
Caviness	Public	–	55.6	54.1	9/19	20	1
S94-1867 (E)	Public	–	–	54.0	9/23	30	2
5799	Dixie	–	–	53.7	9/23	15	1
S96-2641 (E)	Public	–	–	53.1	9/24	22	1
DK 5762RR	Delta King	–	60.4	52.0	10/3	21	1
DP5989	Deltapine	–	–	51.8	9/28	32	2
X058R (E)	NK	–	–	51.7	10/2	16	1
TN94-213 (E)	Public	–	–	51.4	9/24	19	1
R95-2210 (E)	Public	–	59.4	51.0	10/3	18	1
A5944	Asgrow	–	61.0	50.8	10/3	21	1
TN93-99 (E)	Public	–	–	49.3	9/28	16	1
SS 597N	SS	–	56.6	48.6	10/1	21	1
DG 5940	Delta Grow	–	–	48.1	10/3	17	1
Hutcheson	Public	–	54.6	47.3	9/23	16	1
TV5926	Terral	–	59.7	46.7	10/3	18	1
X057R (E)	NK	–	–	44.4	9/26	22	1
DK 5961RR	Delta King	–	49.5	36.8	9/27	22	1
Overall Mean		–	58.0	54.5			
LSD (.10)		–	4.7	8.7			
Error degrees of freedom		–	70	66			
CV (%)		–	5.9	13.1			
R ² (%)		–	89	92			

¹Sharkey clay soil. (E) = Experimental.

²Not Planted in 1998.

**Table 76. Roundup Ready Maturity Group IV Early Soybeans
Planted April 25, 2000 (Longwood, Washington County).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
4888RR	AgriPro/Garst	–	55.1	66.3	9/06	28	1
AG4702	Asgrow	–	60.2	61.3	9/07	30	1
DP 4690RR	Deltapine	–	59.4	59.4	9/10	34	1
TV4787RR	Terral	–	54.2	57.9	9/09	34	2
AG4403	Asgrow	–	–	54.0	9/07	25	1
SS RT446N	SS	–	–	53.1	9/06	31	1
HBK R4660	Hornbeck	–	58.1	52.7	9/08	32	1
D472RR/N	Garst	–	60.0	51.9	9/06	36	1
AG4602	Asgrow	–	49.7	50.8	9/06	28	1
TV4589RR	Terral	–	53.5	50.4	9/07	24	1
466RR	Croplan Genetics	–	55.8	49.7	9/08	35	1
3463NRR	Dyna-Gro	–	57.0	47.4	9/07	30	1
AG4601	Asgrow	–	58.4	46.0	9/06	27	1
DP4344RR	Deltapine	–	–	38.8	9/07	32	2
94B41	Pioneer	–	–	36.9	9/07	20	1
Overall Mean		–	53.4	51.8			
LSD (.10)		–	6.0	10.0			
Error degrees of freedom		–	40	28			
CV (%)		–	8.1	14.0			
R ² (%)		–	84	74			

¹Sharkey clay soil.

²Not planted in 1998.

**Table 77. Roundup Ready Maturity Group IV Late Soybeans
Planted April 25, 2000 (Longwood, Washington County).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK 4868RR	Delta King	–	67.8	72.1	9/10	30	1
Morsoy RT4809	Morsoy	–	–	71.7	9/10	28	1
SG498RR	Deltapine	–	68.5	67.1	9/18	27	1
H4994RR	Hartz	–	–	67.0	9/19	20	1
4803RR	Dixie	–	–	63.3	9/08	33	1
3484NRR	Dyna-Gro	–	–	61.4	9/08	30	1
Genesis A504	Genesis	–	–	60.9	9/08	30	1
SS XP RT4980 (E)	SS	–	–	59.6	9/09	33	1
TV4886RR	Terral	–	–	59.4	9/07	40	1
DK 4965RR	Delta King	–	64.2	58.1	9/07	27	1
480RR	Croplan Genetics	–	56.0	57.2	9/07	28	1
9492	Pioneer	–	64.9	56.9	9/07	28	1
TVX48R901 (E)	Terral	–	–	56.3	9/09	31	1
AG4902	Asgrow	–	52.4	56.0	9/07	29	1
DK 4762RR	Delta King	–	55.6	55.8	9/08	34	1
SS RT517N	SS	–	55.7	55.8	9/18	22	1
H4884RR	Hartz	–	–	55.7	9/08	27	1
DG 4850RR	Delta Grow	–	–	55.3	9/10	32	2
TV4890RR	Terral	–	58.9	54.6	9/08	32	1
HBK R4855	Hornbeck	–	46.3	54.5	9/08	30	1
AG4702	Asgrow	–	–	53.8	9/08	28	1
ES 4902RR (E)	ES	–	–	52.7	9/18	48	2
AG4901	Asgrow	–	54.5	52.4	9/07	33	1
HBK R4920	Hornbeck	–	–	52.0	9/10	34	1
Genesis A484	Genesis	–	–	51.1	9/07	27	1
TVX48R908 (E)	Terral	–	–	50.8	9/08	39	1
4979RR	Croplan Genetics	–	61.7	50.7	9/19	48	3
S51-TI	NK	–	70.6	49.3	9/10	50	3
AG4601	Asgrow	–	56.9	46.0	9/07	27	1
Overall Mean		–	57.9	57.1			
LSD (.10)		–	11.3	8.7			
Error degrees of freedom		–	34	56			
CV (%)		–	14.2	11.1			
R ² (%)		–	61	65			

¹Sharkey clay soil. (E) = Experimental.

²Not planted in 1998.

**Table 78. Roundup Ready Maturity Group V Early Soybeans
Planted April 25, 2000 (Longwood, Washington County).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK 5366RR	Delta King	–	–	68.7	9/25	25	1
AG5701	Asgrow	–	–	67.5	10/1	32	1
DK 5668RR	Delta King	–	–	65.4	9/27	22	1
3535NRR	Dyna-Gro	–	–	64.7	9/26	25	1
DG 5630RR	Delta Grow	–	–	64.3	9/28	20	1
3562NRR	Dyna-Gro	–	–	64.3	9/27	21	1
DK 5661RR	Delta King	–	61.5	61.9	9/26	20	1
AG5501	Asgrow	–	–	60.7	9/27	21	1
95B53	Pioneer	–	77.6	59.8	9/24	16	1
DP 5644 RR	Deltapine	–	69.4	59.8	9/23	22	1
S59-V6RR	NK	–	68.1	59.1	9/26	20	1
510nRR (E)	USG	–	–	57.9	9/26	21	1
540nRR (E)	USG	–	–	56.7	9/28	21	1
SS XP RT5609 (E)	SS	–	–	56.5	9/28	19	1
95B32	Pioneer	–	–	55.6	9/19	16	1
DK 5267RR	Delta King	–	–	55.4	9/19	29	1
RT541SCN	MFA Morsoy	–	–	55.2	9/19	22	1
DPX 5514RR (E)	Deltapine	–	–	53.9	9/23	22	1
TVX50R901 (E)	Terral	–	–	53.7	9/18	22	1
AG5602	Asgrow	–	66.6	53.5	9/28	19	1
ES 5000RR (E)	ES	–	–	52.1	9/24	22	1
Morsoy RT5050	Morsoy	–	–	52.0	9/16	24	1
TV 5666RR	Terral	–	55.9	51.8	9/23	25	1
SS RT557N	SS	–	63.5	50.9	9/20	29	1
TVX52R901 (E)	Terral	–	–	50.8	9/19	18	1
9492	Pioneer	–	55.3	50.7	9/15	25	1
H5231RR	Hartz	–	–	50.3	9/24	18	1
ES 4900RR (E)	ES	–	–	50.3	9/09	15	1
3521NRR	Dyna-Gro	–	–	49.0	9/25	19	1
AG5001	Asgrow	–	47.7	48.3	9/09	30	2
5410RR	Progeny	–	–	48.0	9/18	14	1
SS XP RT5399 (E)	SS	–	–	47.8	9/19	18	1
HBK R5588	Hornbeck	–	59.7	47.8	9/27	21	1
USG 7557RR	USG	–	61.1	47.6	9/24	21	1
DK 5465RR	Delta King	–	–	46.4	10/1	17	1
TV5486RR	Terral	–	60.2	43.6	9/26	44	1
569RR/N	AgriPro/Garst	–	60.2	43.2	9/26	16	1
SS XP RT46704 (E)	SS	–	–	43.1	9/20	40	2
556RR	Croplan Genetics	–	56.8	43.0	9/24	12	1
TVX54R908 (E)	Terral	–	–	42.6	9/24	44	4
USG 7547RR	USG	–	58.6	40.8	9/20	14	1
5770RR	Croplan Genetics	–	–	34.5	9/27	22	1
Overall Mean		–	59.7	53.1			
LSD (.10)		–	6.2	8.1			
Error degrees of freedom		–	62	82			
CV (%)		–	7.6	11.3			
R ² (%)		–	79	74			

¹Sharkey clay soil. (E) = Experimental.

²Not planted in 1998.

**Table 79. Roundup Ready Maturity Group V Late Soybeans
Planted April 25, 2000 (Longwood, Washington County).¹**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1998 ²	1999	2000			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
S59-V6RR	NK	–	69.2	66.6	9/27	17	1
H5885RR	Hartz	–	–	62.8	9/20	23	1
SS RT 5999N	SS	–	–	60.8	9/27	25	1
AG5701	Asgrow	–	68.8	60.5	9/28	31	1
95B95	Pioneer	–	–	60.5	9/30	24	1
CX580CRR	DEKALB	–	63.4	60.4	9/24	19	1
HBK XR575-99 (E)	Hornbeck	–	–	59.6	9/30	21	1
96B21	Pioneer	–	–	59.2	9/24	24	1
AG5902	Asgrow	–	–	59.0	10/5	23	1
5900RR	Progeny	–	–	58.2	10/2	30	1
HBK R6020	Hornbeck	–	69.7	57.1	10/4	25	2
DG 5950RR	Delta Grow	–	66.4	56.6	10/2	25	1
AG 5901	Asgrow	–	60.3	55.6	9/30	22	1
DK 5762RR	Delta King	–	65.6	55.0	9/28	30	1
DP5915RR	Deltapine	–	67.3	54.6	10/5	22	1
USG 7599nRR	USG	–	65.5	53.6	9/28	26	1
3582NRR	Dyna-Gro	–	–	52.3	10/3	24	1
H5999RR	Hartz	–	61.8	51.9	9/28	26	1
DP 5806 RR	Deltapine	–	65.6	51.2	10/3	24	1
TVX59R901 (E)	Terral	–	–	50.7	10/3	25	1
HBK R5920	Hornbeck	–	65.7	50.3	9/27	24	1
SS RT587N	SS	–	52.5	50.1	9/28	21	1
AG5802	Asgrow	–	63.0	49.8	10/5	22	1
AG 6101	Asgrow	–	–	49.8	10/3	23	1
AG6201	Asgrow	–	–	49.3	10/4	25	1
590RR	Croplan Genetics	–	68.4	48.5	9/27	25	1
TVX62R901 (E)	Terral	–	–	48.4	9/20	25	1
ES 5700RR (E)	ES	–	–	47.7	9/27	35	1
TV 5866RR	Terral	–	–	47.3	9/28	24	1
ES 5707RR (E)	ES	–	–	45.4	10/1	29	1
ES 5706RR (E)	ES	–	–	44.7	9/28	23	1
6299RR	Croplan Genetics	–	–	43.4	9/27	24	1
DK 5961RR	Delta King	–	55.0	42.7	10/4	24	1
ES 5903RR (E)	ES	–	–	41.7	9/28	25	1
TVX5794RR (E)	Terral	–	–	41.6	9/28	17	1
ES 5708RR (E)	ES	–	–	40.0	10/1	24	1
SS RT 6299N	SS	–	–	34.2	10/5	20	1
ES 5902RR (E)	ES	–	–	32.6	10/2	25	1
Overall Mean		–	61.5	51.4			
LSD (.10)		–	5.0	7.2			
Error degrees of freedom		–	60	74			
CV (%)		–	6.0	10.4			
R ² (%)		–	78	88			

¹Sharkey clay soil. (E) = Experimental.

²Not planted in 1998.

Plant Characteristics

Table 80. Plant Characteristics of Maturity Group IV Early Soybeans.

Variety	Brand	Color				Seeds ¹ <i>no./lb</i>	Growth		Protein %	Oil %
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³		
4882	AgriPro/Garst	purple	light tawny	tan	imp black	2800	I	4.7	35.5	20.8
A4324	Asgrow	purple	gray	tan	black	2600	D	4.3	36.5	20.3
DK 4680	Delta King	purple	gray	tan	buff	2700	I	4.7	36.6	20.6
DP 3478	Deltapine	purple	light tawny	tan	black	3000	I	4.7	35.6	21.0
Dixie 478	Dixie	purple	gray	tan	imp black	2600	I	4.7	36.3	20.4
SS 439	So. States	white	tawny	tan	imp black	2400	I	4.4	36.7	20.2

¹Represents an average number of seeds per pound; seeds may vary according to season and location.

²D = determinate; I = indeterminate

³Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

Table 81. Plant Characteristics of Maturity Group IV Late Soybeans.

Variety	Brand	Color				Seeds ¹ <i>no./lb</i>	Growth		Protein %	Oil %
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³		
A 4922	Asgrow	white	tawny	tan	black	3000	I	4.9	37.1	20.2
490	Croplan Genetics	purple	gray	tan	imp black	3600	I	4.9	36.3	19.7
DK 4965RR	Delta King	white	tawny	tan	imp black	2600	I	4.9	37.3	20.2
DK 4762RR	Delta King	white	tawny	tan	black	3000	I	4.7	37.8	20.2
DK 4868RR	Delta King	white	gray	tan	imp black	2700	I	4.8	36.8	20.5
DK 4711	Delta King	purple	gray	tan	imp black	2700	I	4.7	36.0	21.3
DP 3478	Deltapine	purple	light tawny	tan	black	3000	I	4.7	36.3	21.0
DP 4748S	Deltapine	white	tawny	brown	black	2600	I	4.7	36.5	20.5
DP 4909	Deltapine	white	tawny	tan	black	2700	I	4.9	37.3	20.1
DPX 4910S (E)	Deltapine	white	tawny	tan	black	2800	I	4.9	36.5	20.0
HBK 4891	Hornbeck	purple	gray	tan	imp black	3000	I	4.7	36.2	20.5
9482	Pioneer	white	tawny	tan	black	2800	I	4.8	36.1	20.7
9511	Pioneer	purple	gray	tan	imp black	2700	I	5.1	36.5	20.3
Progeny 4910	Progeny	white	gray	tan	imp black	2200	I	4.9	35.8	20.8
SS XP4899 (E)	So. States	white	gray	tan	buff	2500	I	4.8	36.1	21.0
SS 495	So. States	white	gray	tan	buff	3200	I	4.9	37.1	20.2
SS 514N	So. States	purple	tawny	tan	black	3300	D	4.9	35.9	20.7
SS 4985STS	So. States	purple	tawny	tan	black	3200	D	4.9	36.1	20.2
TV 4881	Terral	purple	gray	tan	imp black	3100	I	4.8	36.1	21.1
TV4975	Terral	purple	tawny	tan	black	2600	I	4.9	37.7	19.8
DT97-4290 (E) ⁴	Public	purple	tawny	tan	black	2900	I	4.8	36.4	19.7
TN 93-87 (E)	Public	purple	gray	tan	imp black	3400	D	4.8	35.4	20.8

¹Represents an average number of seeds per pound; seeds may vary according to season and location.

²D = determinate; I = indeterminate.

³Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

⁴(E) = Experimental.

Table 82. Plant Characteristics of Maturity Group V Early Soybeans.

Variety	Brand	Color				Seeds ¹	RM ²	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						<i>no./lb</i>		<i>%</i>	<i>%</i>
HY 574	AgriPro/Garst	purple	tawny	tan	brown	2700	5.7	36.2	20.3
A 5547	Asgrow	white	gray	tan	buff	2600	5.5	36.1	20.5
520	Croplan Genetics	white	tawny	brown	black	3000	5.2	36.9	20.1
Robin-5	Croplan Genetics	white	gray	tan	imp black	3300	5.7	36.0	20.6
DK 5850	Delta King	white	tawny	tan	black	3100	5.5	37.6	20.0
DK 5580	Delta King	white	tawny	tan	black	3000	5.5	37.6	20.2
DK 5661RR	Delta King	white	gray	tan	imp black	3100	5.6	37.0	20.4
DK 5267RR	Delta King	purple	gray	tan	buff	3000	5.2	37.0	20.4
DK 5366RR	Delta King	purple	gray	tan	imp black	2900	5.3	37.4	20.3
DK 5465RR	Delta King	white	tawny	tan	imp black	2800	5.4	37.4	19.5
DK 5668RR	Delta King	white	gray	tan	imp black	2600	5.6	36.4	20.3
DP 5354	Deltapine	purple	gray	tan	black	2800	5.3	36.3	20.7
DP 5655	Deltapine	purple	tawny	tan	black	2600	5.6	36.5	20.6
MFA Morsoy 5080	Morsoy	white	gray	tan	imp black	3000	5.0	36.2	20.9
NK X056 (E)	NK	white	gray	tan	imp black	2800	5.6	38.0	20.1
95B33	Pioneer	purple	gray	tan	imp black	2500	5.3	37.9	19.8
9511	Pioneer	purple	gray	tan	imp black	2700	5.1	36.2	21.0
Progeny 5120N	Progeny	purple	tawny	tan	buff	2600	5.1	37.0	20.7
Progeny 5600	Progeny	purple	tawny	tan	imp black	2100	5.6	36.8	20.8
TV5495	Terral	purple	tawny	tan	black	2900	5.4	35.9	20.6
Anand	Public	purple	gray	tan	imp black	2900	5.5	36.6	20.7
Delsoy 5500	Public	white	tawny	tan	black	2600	5.5	37.0	20.5
DT97-6308 (E)	Public	white	gray	tan	imp black	3300	5.4	37.1	20.2
ESSEX	Public	purple	gray	tan	imp black	3100	5.1	37.2	20.3
ESSEX RSV1 (E) ³	Public	purple	gray	tan	imp black	3300	5.1	36.3	20.4
ESSEX RSV4 (E) ³	Public	purple	gray	tan	imp black	3100	5.1	36.9	20.4
ESSEX RSV1-n (E)	Public	purple	gray	tan	buff	3000	5.2	37.0	20.1
ESSEX RSV3 (E)	Public	purple	gray	tan	buff	3000	5.2	38.0	20.0
Hutcheson	Public	white	gray	tan	buff	3400	5.7	36.1	20.8
S96-2692 (E)	Public	white	tawny	tan	black	2800	5.5	37.0	20.1

¹Represents an average number of seeds per pound; seed may vary according to season and location.

²Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

³(E) = Experimental.

Table 83. Plant Characteristics of Maturity Group V Late Soybeans.

Variety	Brand	Color				Seeds ¹	RM ²	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						<i>no./lb</i>	<i>%</i>	<i>%</i>	
A 5944	Asgrow	white	gray	tan	buff	2500	5.9	35.7	20.6
A 5959	Asgrow	white	gray	tan	buff	3000	5.9	36.6	20.1
DG 5940	Delta Grow	white	tawny	tan	black	2600	5.9	37.1	19.7
DK 5762RR	Delta King	purple	tawny	tan	imp black	3000	5.7	36.8	19.7
DK 5961RR	Delta King	white	gray	tan	buff	2700	5.9	36.8	20.2
DK 5995	Delta King	white	gray	tan	imp black	2900	5.9	36.9	20.2
DP 5989	Deltapine	white	tawny	tan	black	2500	5.9	37.4	19.3
DPX 5877 (E)	Deltapine	white	tawny	tan	brown	2900	5.8	36.9	19.6
Dixie 5799	Dixie	purple	tawny	tan	black	2900	5.7	37.3	20.2
HBK 5990	Hornbeck	purple	tawny	tan	black	2400	5.9	37.0	20.3
HBK 5991	Hornbeck	white	tawny	tan	black	2800	5.9	36.8	20.5
NK 057R (E)	NK	purple	tawny	tan	black	3000	5.7	37.1	20.1
NK 058R (E)	NK	purple	tawny	tan	black	2800	5.8	36.3	20.8
NK S59-60	NK	purple	tawny	tan	black	3100	5.9	37.3	20.1
9594	Pioneer	white	gray	tan	buff	2300	5.9	36.2	20.5
SS 597N	So. States	white	gray	tan	buff	2500	5.9	37.0	20.4
TV5893	Terral	purple	tawny	tan	black	2800	5.8	37.4	19.8
TV5926	Terral	white	tawny	tan	black	3500	5.9	36.5	19.5
Bolivar	Public	purple	tawny	tan	black	3500	5.8	36.4	20.6
Caviness	Public	white	gray	tan	buff	2800	5.6	36.3	20.6
DT96-6840 (E) ³	Public	white	gray	tan	buff	3700	5.8	36.4	20.4
DT96-16809 (E) ³	Public	purple	tawny	tan	black	3700	5.8	36.6	20.3
Hutcheson	Public	white	gray	tan	buff	3400	5.7	35.8	20.7
R95-2210 (E) ³	Public	white	tawny	tan	buff	3600	5.7	36.6	20.1
S94-1867 (E)	Public	purple	tawny	tan	black	2600	5.8	36.6	20.2
S96-2641 (E)	Public	purple	gray	tan	buff	3300	5.9	37.3	19.8
TN 93-99 (E)	Public	white	gray	tan	buff	3200	5.7	35.8	21.1
TN 94-213 (E)	Public	white	gray	tan	buff	3600	5.7	36.9	19.9
UAR-5798	Public	white	tawny	tan	gray	2800	5.9	36.7	20.0
V91-3036 (E) ³	Public	purple	gray	tan	imp black	3100	5.9	36.8	20.1

¹Represents an average number of seeds per pound; seeds may vary according to season and location.
²Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.
³(E) = Experimental.

Table 84. Plant Characteristics of Maturity Group VI Soybeans.

Variety	Brand	Color				Seeds ¹	RM ²	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						<i>no./lb</i>		%	%
HBK 6600	Hornbeck	purple	gray	tan	imp black	3100	6.6	38.6	18.4
9594	Pioneer	white	gray	tan	buff	2300	5.9	36.2	20.5
9631	Pioneer	purple	gray	tan	imp black	2900	6.3	37.3	19.4
9692	Pioneer	purple	tawny	tan	black	2900	6.9	37.1	20.1
SS 665N	So. States	purple	tawny	tan	imp black	2600	6.6	36.5	19.7
Dillon	Public	purple	gray	tan	buff	2500	6.4	37.0	19.6
R92-1258 (E) ³	Public	purple	gray	tan	imp black	3200	6.1	37.1	19.9
SC91-2007 (E) ³	Public	white	gray	tan	buff	2600	7.3	36.2	18.5
TN93-142-17 (E) ³	Public	white	gray	tan	imp black	3100	6.0	36.5	20.0

¹Represents an average number of seeds per pound; seeds may vary according to season and location.

²Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 6.0 is very early in Group VI, while 6.9 is very late in Group VI.

³(E) = Experimental.

Table 85. Plant Characteristics of Roundup Ready Maturity Group IV Early Soybeans.

Variety	Brand	Color				Seeds ¹	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³		
						<i>no./lb</i>			%	%
4888RR	AgriPro/Garst	purple	light tawny	tan	imp black	3000	I	4.7	36.3	20.8
AG 4403	Asgrow	purple	tawny	tan	imp black	3100	D	4.4	35.3	21.4
AG 4601RR	Asgrow	white	tawny	tan	black	3000	I	4.6	37.1	20.3
AG 4602RR	Asgrow	purple	tawny	tan	black	2800	I	4.6	36.0	20.2
AG 4702RR	Asgrow	white	tawny	tan	black	2700	I	4.7	36.9	20.4
466RR	Croplan Genetics	white	tawny	tan	black	3700	I	4.6	36.3	20.2
DP 4344RR	Deltapine	white	tawny	tan	black	2600	I	4.3	36.6	20.3
DP 4690RR	Deltapine	purple	light tawny	brown	black	3000	I	4.7	36.0	21.0
DG3463NRR	Dyna-Gro	white	tawny	tan	black	3400	I	4.8	36.7	19.9
D472RR/N	Garst	white	tawny	tan	black	3100	I	4.4	36.5	20.1
HBK R4660RR	Hornbeck	white	tawny	tan	black	3000	I	4.6	37.2	20.1
94B41	Pioneer	white	gray	tan	buff	2800	I	4.4	36.1	20.5
SS RT446N	So. States	white	tawny	tan	imp black	1900	I	4.4	36.7	20.2
TV 4589RR	Terral	white	gray	tan	imp black	3100	I	4.5	36.3	20.6
TV 4787RR	Terral	purple	gray	tan	imp black	3400	I	4.7	36.6	20.9

¹Represents an average number of seeds per pound; seeds may vary according to season and location.

²D = determinant; I = indeterminate.

³Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

Table 86. Plant Characteristics of Roundup Ready Maturity Group IV Late Soybeans.

Variety	Brand	Color				Seeds ¹ <i>no./lb</i>	Growth		Protein %	Oil %
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³		
AG 4601RR	Asgrow	white	tawny	tan	black	3000	I	4.6	37.1	20.3
AG 4702	Asgrow	white	tawny	tan	black	2700	I	4.7	37.0	20.6
AG 4901RR	Asgrow	white	tawny	tan	black	3000	I	4.9	37.3	20.6
AG 4902RR	Asgrow	white	tawny	tan	black	2900	I	4.9	37.1	20.4
480RR	Croplan Genetics	white	tawny	tan	black	3000	I	4.8	37.1	20.2
4979RR	Croplan Genetics	white	tawny	tan	buff	3400	I	4.9	36.4	20.7
DG 4850RR	Delta Grow	white	tawny	tan	imp black	2600	I	4.8	36.9	20.4
DK 4762RR	Delta King	white	tawny	tan	black	2900	I	4.7	37.3	20.5
DK 4965RR	Delta King	white	tawny	tan	imp black	2600	I	4.9	36.9	20.5
DK 4868RR	Delta King	white	gray	tan	imp black	2700	I	4.8	36.3	20.9
SG 498RR	Deltapine	white	tawny	tan	black	3000	I	4.9	36.4	20.6
Dixie 4803RR	Dixie	purple	gray	tan	imp black	2800	I	4.8	36.1	21.3
DG 3484NRR	Dyna-Gro	white	tawny	tan	imp black	2300	I	4.8	36.6	20.6
ES 4902RR (E) ⁴	Eagle Seed	white	gray	tan	buff	2900	I	4.9	36.6	20.0
Genesis A484	Genesis	white	tawny	tan	imp black	2300	I	4.8	36.8	20.7
Genesis A504	Genesis	white	tawny	tan	black	2300	I	4.9	36.6	21.1
H 4884RR	Hartz	white	tawny	tan	imp black	2300	D	4.8	36.9	20.4
H 4994RR	Hartz	white	tawny	tan	black	3200	D	4.9	36.6	20.9
HBK R4855RR	Hornbeck	purple	gray	tan	imp black	3500	I	4.7	36.1	21.4
HBK R4920	Hornbeck	purple	gray	tan	imp black	2900	I	4.9	36.4	21.1
MFA Morsoy RT4809	Morsoy	white	gray	tan	imp black	2400	D	4.8	36.0	20.7
NK S51-T1RR	NK	white	gray	tan	buff	3000	I	4.7	37.6	20.3
9492RR	Pioneer	white	tawny	tan	black	2800	I	4.9	36.8	20.8
SS XP RT4980 (E) ⁴	So. States	purple	gray	tan	imp black	2700	I	4.8	36.0	21.3
SS RT517RR	So. States	purple	gray	tan	imp black	2400	D	4.9	37.4	20.4
TV 4886RR	Terral	purple	tawny	tan	imp black	3100	I	4.8	36.4	20.6
TV4890RR	Terral	white	tawny	tan	black	3100	I	4.8	37.2	20.4
TVX 48R901 (E) ⁴	Terral	white	tawny	tan	imp black	2400	I	4.8	37.2	20.5
TVX 48R908 (E) ⁴	Terral	purple	tawny	tan	black	3200	I	4.8	36.1	21.0

¹Represents an average number of seeds per pound; seeds may vary according to season and location.

²D = determinant; I = indeterminate.

³Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

⁴(E) = Experimental.

Table 87. Plant Characteristics of Roundup Ready Maturity Group V Early Soybeans.

Variety	Brand	Color				Seeds ¹	RM ²	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
569RR/N	AgriPro/Garst	purple	tawny	tan	imp black	<i>no./lb</i> 2800	5.6	% 36.9	% 20.1
AG 5001RR	Asgrow	purple	gray	tan	imp black	2700	5.0	36.1	21.1
AG 5501RR	Asgrow	purple	gray	tan	imp black	2800	5.5	36.9	20.3
AG 5602RR	Asgrow	white	gray	tan	buff	3300	5.6	36.5	20.2
AG 5701	Asgrow	white	gray	tan	imp black	3000	5.7	37.2	19.7
556RR	Croplan Genetics	purple	gray	tan	buff	3000	5.5	36.6	20.6
5770RR	Croplan Genetics	purple	tawny	tan	imp black	3000	5.7	36.6	20.6
DG 5630RR	Delta Grow	white	gray	tan	buff	2900	5.6	36.7	20.3
DK 5661RR	Delta King	white	gray	tan	imp black	3100	5.6	37.2	20.1
DK 5267RR	Delta King	purple	gray	tan	buff	3000	5.2	36.9	20.4
DK 5366RR	Delta King	purple	gray	tan	imp black	2900	5.3	36.4	20.6
DK 5465RR	Delta King	white	tawny	tan	imp black	2800	5.4	36.7	20.4
DK 5668RR	Delta King	white	gray	tan	imp black	2600	5.6	36.8	20.0
DP 5644RR	Deltapine	white	tawny	tan	buff	3000	5.6	37.2	19.7
DPX 5514RR (E) ³	Deltapine	white	tawny	tan	black	2900	5.5	37.9	19.4
DG 3521NRR	Dyna-Gro	purple	gray	tan	buff	2700	5.2	36.3	20.4
DG 3535NRR	Dyna-Gro	purple	gray	tan	imp black	3000	5.3	36.7	20.5
DG3562NRR	Dyna-Gro	white	gray	tan	imp black	2900	5.6	36.9	19.9
ES 4900RR (E) ³	Eagle Seed	purple	gray	tan	imp black	3200	5.0	35.8	20.9
ES 5000RR (E) ³	Eagle Seed	purple	tawny	tan	imp black	2800	5.5	35.6	21.3
H5231RR	Hartz	white	gray	tan	imp black	2600	5.2	37.0	19.8
HBK R5588RR	Hornbeck	purple	gray	tan	buff	2500	5.5	37.4	19.7
MFA Morsoy RT5050	Morsoy	purple	gray	tan	imp black	3100	5.0	35.7	21.6
MFA Morsoy RT541SCN	Morsoy	purple	gray	tan	buff	3100	5.4	36.7	20.9
NK S59-V6RR	NK	purple	tawny	tan	black	2700	5.9	37.7	20.2
9492RR	Pioneer	white	tawny	tan	black	2800	4.9	36.3	21.1
95B32	Pioneer	white	gray	tan	buff	2700	5.3	36.0	21.0
95B53RR	Pioneer	white	tawny	tan	black	3200	5.5	37.2	20.0
Progeny 5410RR	Progeny	purple	gray	tan	buff	2400	5.4	37.0	20.3
SS RT557N	So. States	purple	gray	tan	buff	2700	5.5	36.8	20.5
SS XP RT5399 (E) ³	So. States	purple	gray	tan	imp black	2800	5.3	36.2	20.8
SS XP RT46704 (E) ³	So. States	purple	gray	tan	imp black	2600	5.1	37.3	19.9
SS XP RT5609 (E) ³	So. States	purple	tawny	tan	imp black	2600	5.6	37.0	20.2
TVX 50R901 (E) ³	Terral	purple	gray	tan	imp black	2800	5.0	36.9	20.4
TVX 52R901 (E) ³	Terral	purple	tawny	tan	imp black	3000	5.2	36.5	21.4
TV5486RR	Terral	purple	tawny	tan	imp black	2400	5.4	37.4	20.1
TV5666RR	Terral	purple	gray	tan	buff	2700	5.6	37.4	20.2
TVX 54R908 (E) ³	Terral	purple	gray	tan	imp black	2400	5.4	37.3	19.9
USG 510nRR (E) ³	USG	purple	gray	tan	imp black	2600	5.1	37.4	19.4
USG 540nRR (E) ³	USG	white	tawny	tan	imp black	2600	5.4	37.3	19.7
USG 7547RR	USG	purple	tawny	tan	imp black	2800	5.4	36.7	20.6
USG 7557RR	USG	purple	tawny	tan	buff	3000	5.5	37.0	19.9

¹Represents an average number of seeds per pound; seeds may vary according to season and location.

²Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

³(E) = Experimental.

Table 88. Plant Characteristics of Roundup Ready Maturity Group V Late Soybeans.

Variety	Brand	Color				Seeds ¹	RM ²	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
AG 5701RR	Asgrow	white	tawny	tan	imp black	<i>no./lb</i> 3000	5.7	% 37.5	% 19.4
AG 5802RR	Asgrow	white	gray	tan	buff	2400	5.8	36.8	20.5
AG 5901RR	Asgrow	white	gray	tan	buff	2900	5.9	36.2	20.6
AG 5902	Asgrow	purple	gray	tan	buff	2900	5.9	36.3	20.4
AG 6101	Asgrow	purple	gray	tan	buff	2400	6.1	36.3	20.4
AG 6201	Asgrow	white	gray	tan	buff	3300	6.2	36.8	19.9
590RR	Croplan Genetics	purple	gray	tan	imp black	3100	5.9	36.7	19.7
6299RR	Croplan Genetics	purple	gray	tan	buff	3100	6.2	35.6	20.9
CX580cRR	DEKALB	white	gray	tan	imp black	3200	5.8	36.8	20.2
DG 5950RR	Delta Grow	purple	gray	tan	imp black	2800	5.9	36.3	19.6
DK 5961RR	Delta King	white	gray	tan	buff	2700	5.9	36.5	20.1
DK 5762RR	Delta King	purple	gray	tan	imp black	3000	5.7	36.5	19.6
DP 5915RR	Deltapine	white	tawny	tan	black	3100	5.9	36.8	20.1
DP 5806RR	Deltapine	white	gray	tan	buff	3300	5.8	37.2	19.7
DG 3582NRR	Dyna-Gro	purple	gray	tan	imp black	3100	5.9	36.4	19.5
ES 5700RR (E) ³	Eagle Seed	purple	gray	tan	imp black	3000	5.7	36.5	20.4
ES 5706RR (E) ³	Eagle Seed	purple	tawny	tan	imp black	2600	6.0	36.7	20.6
ES 5707RR (E) ³	Eagle Seed	purple	tawny	tan	imp black	3000	6.0	37.5	19.6
ES 5708RR (E) ³	Eagle Seed	purple	tawny	tan	imp black	2800	6.0	36.9	20.0
ES 5902RR (E) ³	Eagle Seed	purple	tawny	tan	imp black	2600	6.0	36.6	20.3
ES 5903RR (E) ³	Eagle Seed	purple	tawny	tan	imp black	3100	5.9	36.4	21.2
H5885RR	Hartz	white	gray	tan	imp black	2900	5.8	36.4	20.0
H5999RR	Hartz	purple	gray	tan	buff	2900	5.9	36.2	20.4
HBK R5920RR	Hornbeck	purple	gray	tan	imp black	2900	5.9	36.9	19.5
HBK R6020RR	Hornbeck	white	gray	tan	buff	3200	6.0	37.1	19.0
HBK XR 575-99 (E) ³	Hornbeck	purple	gray	tan	buff	3000	5.9	36.5	20.1
NK S59-V6RR	NK	purple	tawny	tan	black	2700	5.9	36.8	20.1
95B95	Pioneer	purple	gray	tan	imp black	2500	5.9	36.4	20.4
96B21	Pioneer	purple	gray	tan	imp black	2800	6.2	36.3	20.5
Progeny 5900R	Progeny	purple	gray	tan	imp black	2900	5.9	36.3	19.7
SS RT 587N	So. States	purple	gray	tan	imp black	2500	5.8	36.6	20.5
SS RT 5999N	So. States	purple	gray	tan	buff	2400	5.9	36.7	19.9
SS RT 6299N	So. States	purple	gray	tan	buff	2500	6.3	36.1	20.1
TV 5866RR	Terral	purple	gray	tan	buff	2700	5.8	37.4	19.9
TVX 5794RR	Terral	purple	tawny	tan	imp black	2700	5.7	36.6	20.3
TVX 59R901 (E) ³	Terral	purple	gray	tan	imp black	3200	5.9	36.4	20.0
TVX 62R901 (E) ³	Terral	purple	gray	tan	buff	2800	6.2	36.5	20.1
USG 7599nRR	USG	purple	gray	tan	imp black	2900	5.9	36.5	19.7

¹Represents an average number of seeds per pound; seeds may vary according to season and location.

²Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

³(E) = Experimental.

Reaction to Pests and Herbicides

Tables in this section report data on the soybean varieties' reactions to common pests (the SMV/BPMV virus, Phytophthora root rot, cyst nematode, frogeye leafspot, stem canker) and herbicides.

Disease Ratings. Disease ratings for Phytophthora root rot, frogeye leafspot, and stem canker were made by plant pathologists at Mississippi State University. Nematode reactions were reported by R.D. Riggs, plant pathologist at the University of Arkansas.

The hydroponic technique used in this trial measures major gene resistance. Some varieties that are rated susceptible may have a high degree of field tolerance to Phytophthora root rot. Some varieties in this test are known not to have a major gene for Phytophthora resistance but were rated resistant. This is believed to be an expression of "field tolerance" (due to the use of a low inoculum potential).

Disease reactions were rated as R = Resistant, M = Mixture (Resistant and Susceptible type reaction may be segregating or seed mixture), MR = Moderately Resistant, MS = Moderately Susceptible, S = Susceptible; VS = Very Susceptible, I = Intermediate (variation in response has been observed), and T = Tolerant.

Stem Canker Score. In addition to the disease ratings, each variety was also assigned a score for its reaction to stem canker. This score gives an average rating of 40 plants stuck with a toothpick of stem canker inoculum. Stem canker ratings convey the level of tolerance based on the score of the plants tooth picked: VS = 4.6 - 5.0; S = 2.0 - 4.5; MS = 1.5 - 1.9; MR = 1.2 - 1.4; R = 1.0 - 1.1. Some lines or varieties exhibited a range of reactions to stem canker. These findings are expressed as ranges in the tables (i.e., R-VS). In these ranges, letters in parentheses highlight a variety's predominant reaction. For example, "(R) -VS" means the variety ranged from resistant to very susceptible in its response; however, the predominant response was resistant. Varieties or lines that exhibited such a range were mixes or were still segregating.

Herbicide Ratings. Herbicide reaction ratings were based on a hydroponic screening of each variety to metribuzin (T = Tolerant, I = Intermediate, and S = Susceptible).

Table 89. Reaction of Maturity Group IV Early Soybeans to Pests and Herbicides.

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
4882	AgriPro/Garst	–	R	M	–	R	–	–	MR	R	1.0	T
A4324	Asgrow	–	R	–	–	–	–	–	–	R	1.0	T
DK 4860	Delta King	R	R	M	–	M	S	MS	S	R-S (S)	3.3	–
DP 3478	Deltapine	R	–	–	–	R	S	S	S	R	1.0	T
Dixie 478	Dixie	R	M	S	–	R	S	S	MS	R	1.0	T
SS 439	So. States	–	R	–	–	–	–	–	–	–	–	I

Table 90. Reaction of Maturity Group IV Late Soybeans to Pests and Herbicides.

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
A 4922	Asgrow	R	R	R	–	R	R	R	MS	S	3.4	T
490	Croplan Genetics	I	R	M	M	R	S	S	I	R	1.0	T
DK 4965RR	Delta King	–	–	–	–	–	–	–	–	R	1.0	T
DK 4762RR	Delta King	R	–	R-S (S)	–	–	–	–	S	S	3.6	T
DK 4868RR	Delta King	–	R	–	–	–	–	–	S	R-S	3.5	T
DK 4711	Delta King	–	–	–	–	–	–	–	–	R	1.0	–
DP 3478	Deltapine	–	R	M	–	R	S	S	S	R	1.0	T
DP 4748S	Deltapine	–	R	–	–	–	–	–	–	R	1.0	T
DP 4909	Deltapine	–	–	–	–	–	–	–	–	R	1.0	–
DPX 4910S (E)	Deltapine	–	R	–	–	–	–	–	–	R-S(R)	1.0	I
HBK 4891	Hornbeck	–	R	R	M	R	–	–	S	R-S(R)	1.2	I
9482	Pioneer	R	S	R	R	S	S	MS	I	R-S(R)	1.2	T
9511	Pioneer	R	M	S	S	M	S	S	S	R	1.0	T
Progeny 4910	Progeny	–	–	–	–	–	–	–	–	R	1.0	T
SS XP4899 (E)	So. States	–	R	–	–	–	–	–	–	R	1.1	T
SS 495	So. States	R	R	M	–	M	–	–	MR	R	1.0	T
SS 4985STS	So. States	–	–	–	–	–	–	–	–	R	1.0	I
SS 514N	So. States	–	R	M	R	M	–	–	–	R	1.0	I
TV 4881	Terral	–	R	–	–	–	–	–	–	R	1.0	I
TV4975	Terral	R	R	–	–	–	S	S	MR	R-S(R)	1.5	–
DT97-4290 (E)	Public	–	R	R	–	R	–	–	I	R	1.0	T
TN 93-87 (E)	Public	–	–	–	–	–	–	–	–	–	–	I

Table 91. Reaction of Maturity Group V Early Soybeans to Pests and Herbicides.

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
HY 574	AgriPro/Garst	MR	R	M	R	R	MR	S	MS	R-S(S)	3.3	T
A 5547	Asgrow	R	R	S	–	S	MR	R	MR	R	1.0	T
520	Croplan Genetics	MS	R	R	M	S	S	MS	S	R	1.1	T
Robin-5	Croplan Genetics	MR	R	R	M	S	R	S	I	S	3.4	T
DK 5580	Delta King	–	R	–	–	–	–	–	–	S	3.5	T
DK 5661RR	Delta King	–	–	–	–	–	–	–	–	R-S(S)	3.4	–
DK 5850	Delta King	MR	R	R	S	R	MR	MR	MR	S	3.5	T
DK 5267RR	Delta King	–	–	–	–	–	–	–	–	R	1.1	–
DK 5366RR	Delta King	–	–	–	–	–	–	–	–	R-S(R)	1.4	I
DK 5465RR	Delta King	–	–	–	–	–	–	–	–	R	1.0	T
DK 5668RR	Delta King	–	–	–	–	–	–	–	–	R-S	1.5	I
DP 5354	Deltapine	R	M	M	R	M	–	–	MR	R	1.2	T
DP 5655	Deltapine	–	R	–	–	–	–	–	–	R	1.0	T
MFA Morsoy 5080	Morsoy	–	R	–	–	–	–	–	–	R	1.1	T
NK X056 (E)	NK	–	R	–	–	–	–	–	–	R	1.1	T
95B33	Pioneer	MR	M	R	R	S	–	–	R	R-S	2.1	–
9511	Pioneer	–	M	S	S	M	S	S	S	R	1.0	T
Progeny 5120N	Progeny	–	S	R	–	R	–	–	R	R	1.0	I
Progeny 5600	Progeny	–	R	–	–	–	–	–	–	S	4.0	T
TV5495	Terral	–	M	R	R	M	R	S	S	R	1.0	T
Anand	Public	–	R	R	M	R	–	–	I	R	1.1	T
Delsoy 5500	Public	R	S	R	R	S	MS	MR	MR	R-S	1.7	T
DT97-6308 (E)	Public	–	R	–	–	–	–	–	–	R	1.0	I
Essex	Public	R	S	S	–	S	–	–	MR	R-S(S)	2.6	T
Essex RSV1 (E)	Public	R	M	M	R	R	–	–	I	R-S(S)	2.6	T
Essex RSV4 (E)	Public	–	S	S	S	S	–	–	I	R-S(S)	2.6	T
Essex RSV1-n (E)	Public	–	M	–	–	–	–	–	–	R-S(S)	3.0	T
Essex RSV3 (E)	Public	–	R	–	–	–	–	–	–	R-S(S)	3.1	T
Hutcheson	Public	–	R	R	–	S	S	S	R	R	1.0	T
S96-2692 (E)	Public	–	R	–	–	–	–	–	–	R-S(S)	3.4	T

Table 92. Reaction of Maturity Group V Late Soybeans to Pests and Herbicides.

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
A 5944	Asgrow	R	R	M	–	M	S	S	I	R	1.0	T
A 5959	Asgrow	MR	R	M	–	S	–	–	MS	R-S	1.8	T
DG 5940	Delta Grow	–	–	–	–	–	–	–	–	R	1.0	T
DK 5762RR	Delta King	–	M	R	R	M	–	–	S	R-S	2.5	T
DK 5961RR	Delta King	–	–	–	–	–	–	–	–	R	1.0	–
DK 5995	Delta King	R	R	M	R	M	–	–	I	R-S(R)	1.5	T
DP 5989	Deltapine	–	–	–	–	–	–	–	–	R	1.1	T
DPX 5877 (E)	Deltapine	–	–	–	–	–	–	–	–	R-S(R)	1.2	T
Dixie 5799	Dixie	–	–	–	–	–	–	–	–	R-S	1.5	T
HBK 5990	Hornbeck	R	R	R	R	S	–	–	MR	R-S(R)	1.1	–
HBK 5991	Hornbeck	–	M	R	R	M	–	–	R	R	1.1	T
NK 057R (E)	NK	–	–	–	–	–	–	–	–	R	1.0	I
NK 058R (E)	NK	–	–	–	–	–	–	–	–	R	1.1	I
S59-60	NK	R	R	R	R	M	R	R	S	R-S(S)	3.4	T
9594	Pioneer	MR	R	R	R	R	S	S	MS	R-S(S)	3.2	T
SS 597	So. States	MR	R	R	R	M	–	–	R	R-S(R)	1.2	T
TV5893	Terral	R	S	R	M	S	R	S	S	R	1.0	T
TV5926	Terral	I	M	R	R	M	–	–	S	R-S(R)	1.6	T
Bolivar	Public	MR	R	R	–	M	–	–	MS	R-S	1.9	T
Caviness	Public	R	M	R	–	–	–	–	MR	R	1.1	T
DT96-6840 (E)	Public	–	M	M	–	R	–	–	MR	R	1.0	T
DT96-16809 (E)	Public	–	R	R	–	R	–	–	MR	R	1.1	T
Hutcheson	Public	–	R	R	–	S	S	S	R	R	1.0	T
R95-2210 (E)	Public	–	M	M	–	M	–	–	S	R	1.0	T
S94-1867 (E)	Public	–	–	–	–	–	–	–	–	R-S	1.7	I
S96-2641 (E)	Public	–	–	–	–	–	–	–	–	R-S	2.9	T
TN 93-99 (E)	Public	–	–	–	–	–	–	–	–	R	1.1	T
TN 94-213 (E)	Public	–	–	–	–	–	–	–	–	R	2.5	T
UAR-5798	Public	–	R	R	R	R	–	–	R	MR	1.0	T
V91-3036 (E)	Public	I	R	S	R	R	–	–	S	R	1.2	I

Table 93. Reaction of Maturity Group VI Soybeans to Pests and Herbicides.

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
HBK 6600	Hornbeck	–	M	R	R	M	–	–	–	R	1.0	T
9594	Pioneer	–	R	R	R	R	–	–	–	R-S	2.6	T
9631	Pioneer	–	M	R	M	M	S	S	R	R-S(S)	2.5	T
9692	Pioneer	–	M	M	M	S	MR	S	R	R-S(R)	1.7	T
SS 665	So. States	–	R	R	R	R	–	–	–	S	3.7	I
Dillon	Public	–	M	S	–	M	S	S	S	R-S(S)	2.5	T
R92-1258 (E)	Public	–	–	–	–	–	–	–	–	R	1.0	–
SC91-2007 (E)	Public	–	R	R	–	S	–	–	MS	R-S(R)	1.1	T
TN93-142-17 (E)	Public	–	R	R	M	M	–	–	MS	R	1.0	T

Table 94. Reaction of Maturity Group IV Early Roundup Ready Soybeans to Pests and Herbicides.

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
4888RR	AgriPro/Garst	–	R	M	–	R	–	–	MR	R	1.0	T
AG 4403	Asgrow	–	R	–	–	–	–	–	–	R-S(S)	3.2	T
AG 4601RR	Asgrow	R	–	–	–	–	–	–	S	R	1.0	–
AG 4602RR	Asgrow	R	R	S	–	S	–	–	MS	R	1.0	T
AG 4702RR	Asgrow	R	R	S	–	S	–	–	S	R	1.0	I
466RR	Croplan Genetics	R	S	R	S	S	–	–	S	R	1.0	T
DP 4344RR	Deltapine	–	R	–	–	–	–	–	–	R-S(R)	1.8	T
DP 4690RR	Deltapine	–	R	R	–	R	–	–	S	R	1.0	T
DG3463NRR	Dyna-Gro	R	R	M	R	M	–	–	I	R	1.0	T
D472RR/N	Garst	R	M	R	–	M	–	–	S	R	1.0	T
HBK R4660RR	Hornbeck	–	S	R	R	S	–	–	S	R	1.0	T
94B41	Pioneer	–	R	–	–	–	–	–	–	R-S	1.9	–
SS RT446N	So. States	–	–	–	–	–	–	–	–	R-S	2.5	T
TV 4589RR	Terral	–	R	R	–	R	–	–	MR	R	1.1	T
TV 4787RR	Terral	–	R	–	–	–	–	–	–	R	1.0	T

Table 95. Reaction of Maturity Group IV Late Roundup Ready Soybeans to Pests and Herbicides.

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
AG 4601RR	Asgrow	R	S	R	–	R	–	–	S	R	1.0	–
AG 4702RR	Asgrow	–	R	–	–	–	–	–	–	R	1.0	–
AG 4901RR	Asgrow	–	R	R	–	R	–	–	I	S	4.0	T
AG 4902RR	Asgrow	–	R	M	–	R	–	–	I	R	1.0	T
480RR	Croplan Genetics	–	M	M	M	M	–	–	S	R-S(R)	1.3	T
4979RR	Croplan Genetics	–	M	M	S	R	–	–	S	R	1.0	T
DG 4850RR	Delta Grow	–	–	–	–	–	–	–	–	R	1.0	T
DK 4762RR	Delta King	–	–	–	–	–	–	–	–	S	3.6	–
DK 4868RR	Delta King	–	R	M	–	R	–	–	S	R-S(S)	3.5	T
DK 4965RR	Delta King	–	–	S	–	M	–	–	S	R	1.0	T
SG 498RR	Deltapine	MR	M	R	R	M	–	–	MS	R	1.1	T
Dixie 4803RR	Dixie	–	R	–	–	–	–	–	–	R	1.0	I
DG 3484NRR	Dyna-Gro	–	–	–	–	–	–	–	–	R	1.1	T
ES 4902RR (E)	Eagle Seed	–	R	–	–	–	–	–	–	R	1.1	T
Genesis A484	Genesis	–	R	–	–	–	–	–	–	R	1.0	T
Genesis A504	Genesis	–	R	–	–	–	–	–	–	R	1.0	T
H 4884RR	Hartz	–	R	–	–	–	–	–	–	R	1.0	T
H 4994RR	Hartz	–	–	–	–	–	–	–	–	R-S(S)	1.8	–
HBK R4855RR	Hornbeck	–	M	R	R	R	–	–	S	R	1.0	T
HBK R4920	Hornbeck	–	R	–	–	–	–	–	–	R	1.0	T
MFA Morsoy RT4809	Morsoy	–	R	–	–	–	–	–	–	S	4.0	T
NK S51-T1RR	NK	MR	S	R	S	S	–	–	S	R-S(R)	2.6	T
9492RR	Pioneer	–	R	R	R	S	–	–	–	R	2.2	T
SS XP RT4980 (E)	So. States	–	R	–	–	–	–	–	–	R	1.1	I
SS RT517N	So. States	R	M	M	–	R	–	–	R	R	1.0	I
TV 4886RR	Terral	–	R	–	–	–	–	–	–	R	1.1	T
TV4890RR	Terral	–	S	R	R	M	–	–	I	R	1.0	T
TVX 48R901 (E)	Terral	–	R	–	–	–	–	–	–	R	1.0	T
TVX 48R908 (E)	Terral	–	R	–	–	–	–	–	–	R	1.0	T

Table 96. Reaction of Maturity Group V Early Roundup Ready Soybeans to Pests and Herbicides.

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
569RR/N	AgriPro/Garst	-	R	M	-	R	-	-	-	R-S	1.6	T
AG 5001RR	Asgrow	-	R	M	R	R	-	-	MR	R-S(R)	1.4	T
AG 5501	Asgrow	-	-	-	-	-	-	-	-	R	1.0	T
AG 5602RR	Asgrow	R	R	S	-	S	-	-	MS	R	1.1	T
AG 5701	Asgrow	-	-	-	-	-	-	-	-	R-S(R)	1.4	-
556RR	Croplan Genetics	R	M	M	R	S	-	-	MR	R	1.1	T
5770RR	Croplan Genetics	-	-	-	-	-	-	-	-	R	1.0	I
DG 5630RR	Delta Grow	-	R	-	-	-	-	-	-	R-S(R)	2.4	T
DK 5661RR	Delta King	-	-	-	-	-	-	-	-	R-S(S)	3.4	-
DK 5267RR	Delta King	-	-	-	-	-	-	-	-	R	1.1	T
DK 5366RR	Delta King	-	-	-	-	-	-	-	-	R-S(R)	1.4	I
DK 5465RR	Delta King	-	-	-	-	-	-	-	-	R	1.0	I
DK 5668RR	Delta King	-	-	-	-	-	-	-	-	R-S	1.5	I
DP 5644RR	Deltapine	-	M	S	M	R	-	-	S	R-S(R)	1.6	I
DPX 5514RR (E)	Deltapine	-	R	-	-	-	-	-	-	R	1.1	T
DG 3521NRR	Dyna-Gro	-	-	-	-	-	-	-	-	R	1.0	T
DG 3535NRR	Dyna-Gro	-	-	-	-	-	-	-	-	R-S(S)	2.9	T
DG3562NRR	Dyna-Gro	-	-	-	-	-	-	-	-	R-S(R)	1.2	T
ES 4900RR (E)	Eagle Seed	-	-	-	-	-	-	-	-	R	1.0	I
ES 5000RR (E)	Eagle Seed	-	-	-	-	-	-	-	-	R	1.0	I
H5131RR	Hartz	-	-	-	-	-	-	-	-	R	1.0	T
HBK R5588RR	Hornbeck	MR	M	R	S	R	-	-	R	R	1.0	T
MFA Morsoy RT5050	Morsoy	-	-	-	-	-	-	-	-	R	1.0	T
MFA Morsoy RT541SCN	Morsoy	-	-	-	-	-	-	-	-	R	1.1	-
NK S59-V6RR	NK	MR	S	R	R	M	-	-	MS	R-S	2.5	T
9492RR	Pioneer	R	-	R	-	-	-	-	I	R	2.2	T
95B32	Pioneer	-	R	-	-	-	-	-	-	R-S(S)	3.4	I
95B53RR	Pioneer	-	M	R	R	S	-	-	R	R-S(R)	1.8	T
Progeny 5410RR	Progeny	-	R	-	-	-	-	-	-	R	1.0	I
SS RT557N	So. States	R	R	M	-	M	-	-	MR	R	1.1	T
SS XP RT5399 (E)	So. States	-	R	-	-	-	-	-	-	R	1.1	I
SS XP RT46704 (E)	So. States	-	R	-	-	-	-	-	-	R	1.0	I
SS XP RT5609 (E)	So. States	-	-	-	-	-	-	-	-	R-S	2.4	I
TVX 50R901 (E)	Terral	-	-	-	-	-	-	-	-	R	1.0	I
TVX 52R901 (E)	Terral	-	-	-	-	-	-	-	-	R	1.1	I
TV5486RR	Terral	-	-	-	-	-	-	-	-	R	1.1	T
TV5666RR	Terral	R	M	R	M	M	R	MR	R	R	1.0	T
TVX 54R908 (E)	Terral	-	-	-	-	-	-	-	-	R	1.2	I
USG 510nRR (E)	USG	-	R	-	-	-	-	-	-	R	1.0	T
USG 540nRR (E)	USG	-	R	-	-	-	-	-	-	R	1.0	T
USG 7547RR	USG	-	M	M	-	S	-	-	MR	R-S(R)	1.6	T
USG 7557RR	USG	-	R	S	-	R	-	-	R	R-S(R)	1.4	T

Table 97. Reaction of Maturity Group V Late Roundup Ready Soybeans to Pests and Herbicides.

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
AG 5701RR	Asgrow	-	R	M	-	S	-	-	I	R-S	2.6	T
AG 5802RR	Asgrow	-	R	S	-	M	-	-	S	R	1.0	T
AG 5901RR	Asgrow	MR	R	S	-	S	-	-	R	R	1.0	T
AG 5902	Asgrow	-	-	-	-	-	-	-	-	R	1.0	I
AG 6101	Asgrow	-	-	-	-	-	-	-	-	-	-	I
AG 6201	Asgrow	-	-	-	-	-	-	-	-	R-S(R)	1.7	-
590RR	Croplan Genetics	-	R	M	R	R	-	-	-	R-S(S)	3.6	T
6299RR	Croplan Genetics	-	-	-	-	-	-	-	-	R	1.1	-
CX580cRR	DEKALB	-	M	R	M	S	-	-	MS	R-S(S)	3.6	T
DG 5950RR	Delta Grow	-	R	M	R	M	-	-	S	R-S	2.6	T
DK 5961RR	Delta King	I	R	M	R	R	-	-	R	R	1.0	T
DK 5762RR	Delta King	-	M	R	R	M	-	-	S	R-S	2.5	T
DP 5915RR	Deltapine	-	R	R	R	R	-	-	R	R-S(R)	1.4	T
DP 5806RR	Deltapine	MR	M	R	R	R	-	-	MS	R-S(R)	1.1	T
DG 3582NRR	Dyna-Gro	-	-	-	-	-	-	-	-	R-S	2.7	-
ES 5700RR (E)	Eagle Seed	-	-	-	-	-	-	-	-	R-S(R)	1.4	I
ES 5706RR (E)	Eagle Seed	-	-	-	-	-	-	-	-	R	1.1	I
ES 5707RR (E)	Eagle Seed	-	-	-	-	-	-	-	-	R-S(R)	1.3	I
ES 5708RR (E)	Eagle Seed	-	-	-	-	-	-	-	-	R	1.0	I
ES 5902RR (E)	Eagle Seed	-	-	-	-	-	-	-	-	R	1.1	T
ES 5903RR (E)	Eagle Seed	-	-	-	-	-	-	-	-	R	1.0	I
H5885RR	Hartz	-	-	-	-	-	-	-	-	R-S(S)	2.9	I
H5999RR	Hartz	MR	M	R	-	R	-	-	MR	R	1.0	T
HBK R5920RR	Hornbeck	-	M	R	-	R	-	-	S	S	3.4	T
HBK R6020RR	Hornbeck	-	R	M	R	M	-	-	MS	R-S(R)	1.8	T
HBK XR 575-99 (E)	Hornbeck	-	-	-	-	-	-	-	-	R	1.1	T
NK S59-V6RR	NK	MR	M	-	-	S	-	-	MS	R-S	2.5	-
95B95	Pioneer	-	-	-	-	-	-	-	-	RS(S)	3.3	T
96B21	Pioneer	-	-	-	-	-	-	-	-	S	2.1	T
Progeny 5900R	Progeny	-	-	-	-	-	-	-	-	R-S	2.4	I
SS RT587N	So. States	MR	R	S	M	M	-	-	MS	R	1.0	I
SS RT 5999N	So. States	-	-	-	-	-	-	-	-	R	1.0	I
SS RT 6299N	So. States	-	-	-	-	-	-	-	-	R-S(S)	3.4	T
SS XPT RT5709 (E)	So. States	-	-	-	-	-	-	-	-	R	1.1	T
TV 5866RR	Terral	-	-	-	-	-	-	-	-	R-S(S)	2.3	T
TVX 5794RR (E)	Terral	-	-	-	-	-	-	-	-	R-S(S)	3.4	I
TVX 59R901 (E)	Terral	-	-	-	-	-	-	-	-	R-S(S)	3.0	I
TVX 62R901 (E)	Terral	-	-	-	-	-	-	-	-	R-S(R)	1.3	I
USG 7599nRR	USG	-	M	S	R	R	-	-	-	R-S(S)	3.1	T

Reaction to Diseases

Tables in this section contain data on the soybean varieties' reaction to common diseases (the SMV/BPMV virus, brown spot, downy mildew, bacterial pustule, frog-eye leafspot, Cercospora leafspot, bacterial blight, Alternaria leafspot, stem canker, sudden death syndrome, and Phytophthora root rot).

Ratings for the above-mentioned diseases were obtained by Dorgelis A. Villarroel, graduate student in the Department of Entomology and Plant Pathology at Mississippi State University.

Disease reactions for the SMV/BPMV virus were rated as R = Resistant (no symptoms), MR = Moderately Resistant (leaves crinkled), MS = Moderately Susceptible (leaf shape distorted, with some chlorosis), and S = Susceptible (shape distortion and chlorosis severe).

Disease reactions for brown spot, downy mildew, bacterial blight, Cercospora leafspot, bacterial pustule, and Alternaria leafspot, were based on percentage of plant presenting symptoms: R = resistant (0-20 percent), RM = Moderately Resistant (21-50 percent), RS = Moderately Susceptible (51-80 percent), and S = Susceptible (81-100 percent).

For the incidences of stem canker, sudden death syndrome, and Phytophthora root rot, the ratings were as 1 = no symptoms and 2 = at least one plant in the plot showing symptoms.

Because weather conditions were unfavorable due to severe drought throughout the season, incidence or intensity of the soybean fungal diseases may not truly reflect actual resistance or tolerance.

Table 98. Reaction of Maturity Group IV Early Soybeans to Diseases.

Variety	Brand	SMV/BPMV	Brown Spot	Downy Mildew	Bacterial pustule	Frogeye leafspot	Cercospora leafspot	Bacterial Blight	Alternaria leafspot	Stem Canker	Sudden death syndrome
4882	AgriPro/Garst	MR	R	R	MR	–	R	–	R	–	1
A4324	Asgrow	MR	R	R	R	–	MR	–	MR	–	1
DK 4860	Delta King	MR	R	R	MR	–	MR	–	R	–	2
DP 3478	Deltapine	MR	R	R	MR	–	R	–	MR	–	1
Dixie 478	Dixie	R	R	R	MR	–	R	–	R	–	1
SS 439	So. States	MR	R	R	MR	–	R	–	R	–	2

Table 99. Reaction of Maturity Group IV Late Soybeans to Diseases.

Variety	Brand	SMV/BPMV	Brown Spot	Downy Mildew	Bacterial pustule	Frogeye leafspot	Cercospora leafspot	Bacterial Blight	Alternaria leafspot	Stem Canker	Sudden death syndrome
A 4922	Asgrow	R	R	R	R	–	R	–	R	–	–
490	Croplan Genetics	MR	R	R	R	–	MR	–	MR	–	–
DK 4965RR	Delta King	R	R	R	R	–	R	–	R	–	–
DK 4762RR	Delta King	MR	R	R	R	–	R	–	R	–	–
DK 4868RR	Delta King	MR	R	R	R	–	R	–	MR	–	–
DK 4711	Delta King	MR	R	R	R	–	MR	–	R	–	–
DP 3478	Deltapine	MR	R	MR	MR	–	R	–	MR	–	–
DP 4748S	Deltapine	R	R	R	R	–	R	–	R	–	–
DP 4909	Deltapine	MR	R	MR	R	–	R	–	MR	–	–
DPX 4910S (E)	Deltapine	MR	R	R	R	–	MR	–	MR	–	–
HBK 4891	Hornbeck	MR	R	MR	R	–	R	–	R	–	–
9482	Pioneer	MR	R	R	R	–	R	–	MR	–	–
9511	Pioneer	MR	R	R	R	–	R	–	MR	–	–
Progeny 4910	Progeny	MR	R	R	MR	–	R	–	MR	–	–
SS XP4899 (E)	So. States	MR	R	R	R	–	R	–	R	–	–
SS 495	So. States	MR	R	R	R	–	R	–	R	–	–
SS 4985STS	So. States	MR	MR	R	MR	–	MR	–	MR	–	–
SS 514N	So. States	R	R	R	MR	–	MR	–	R	–	–
TV 4881	Terral	MR	R	R	R	–	R	–	R	–	–
TV4975	Terral	MR	R	R	R	–	R	–	MR	–	–
DT97-4290 (E)	Public	MR	R	R	R	–	R	–	MR	–	–
TN 93-87 (E)	Public	R	MR	R	MR	–	MR	–	MR	–	–

Table 100. Reaction of Maturity Group V Early Soybeans to Diseases.

Variety	Brand	SMV/BPMV	Brown Spot	Downy Mildew	Bacterial pustule	Frogeye leafspot	Cercospora leafspot	Bacterial Blight	Alternaria leafspot	Stem Canker	Sudden death syndrome
HY 574	AgriPro/Garst	MR	R	R	MR	MR	MR	MR	R	1	2
A 5547	Asgrow	R	R	R	MR	R	MR	MR	R	1	1
520	Croplan Genetics	MR	R	R	R	R	R	R	R	1	2
Robin-5	Croplan Genetics	MR	R	R	MR	MR	MR	R	MR	1	1
DK 5580	Delta King	MR	R	R	R	R	R	R	R	1	1
DK 5661RR	Delta King	MR	R	R	R	R	MR	R	R	1	1
DK 5850	Delta King	R	R	R	MR	R	R	R	R	1	1
DK 5267RR	Delta King	MR	R	R	MS	R	MS	R	MR	1	1
DK 5366RR	Delta King	R	R	R	MR	R	R	R	R	1	1
DK 5465RR	Delta King	R	R	R	MS	R	R	R	MR	1	1
DK 5668RR	Delta King	R	R	R	R	R	MR	R	R	1	2
DP 5354	Deltapine	R	R	R	MR	R	MR	R	MR	1	1
DP 5655	Deltapine	R	R	R	MR	R	MR	R	MR	1	1
MFA Morsoy 5080	Morsoy	R	R	R	R	R	R	R	R	1	1
NK X056 (E)	NK	MS	R	R	MR	R	R	R	R	2	1
95B33	Pioneer	R	MR	R	MR	R	R	R	R	1	1
9511	Pioneer	MR	R	R	R	R	R	R	R	1	2
Progeny 5120N	Progeny	R	R	R	R	R	MR	R	R	1	2
Progeny 5600	Progeny	MR	R	R	MR	R	MR	MR	R	1	1
TV5495	Terral	R	R	MR	R	R	R	MR	R	1	2
Anand	Public	MR	R	R	MR	R	MR	R	MR	1	1
Delsoy 5500	Public	R	MR	R	MS	R	R	R	MR	1	1
DT97-6308 (E)	Public	R	R	MR	R	R	R	R	R	1	1
Essex	Public	MR	R	MR	MR	R	R	R	MR	1	1
Essex RSV1 (E)	Public	R	MR	R	MR	R	R	R	R	1	1
Essex RSV4 (E)	Public	R	R	R	MR	R	R	R	MR	1	2
Essex RSV1-n (E)	Public	R	MR	R	MR	R	R	R	R	1	2
Essex RSV3 (E)	Public	MR	MR	MR	MR	R	MR	R	MR	1	2
Hutcheson	Public	MR	R	R	MR	R	R	MR	R	1	1
S96-2692 (E)	Public	R	R	MR	MR	R	R	R	R	2	2

Table 101. Reaction of Maturity Group V Late Soybeans to Diseases.

Variety	Brand	SMV/BPMV	Brown Spot	Downy Mildew	Bacterial pustule	Frogeye leafspot	Cercospora leafspot	Bacterial Blight	Alternaria leafspot	Stem Canker	Sudden death syndrome	Phytophthora
A 5944	Asgrow	R	R	R	R	R	MR	MR	R	1	1	1
A 5959	Asgrow	M	MR	R	MR	R	R	R	R	1	1	1
DG 5940	Delta Grow	MR	R	R	MR	R	R	R	R	1	1	1
DK 5762RR	Delta King	MR	R	R	MR	R	R	R	MR	1	1	1
DK 5961RR	Delta King	MR	MR	R	MR	R	R	MR	R	1	2	1
DK 5995	Delta King	MR	R	MR	MS	R	R	MR	R	1	1	1
DP 5989	Deltapine	MR	R	R	R	R	R	R	R	1	1	1
DPX 5877 (E)	Deltapine	MR	R	MR	MR	R	MR	MR	R	2	1	1
Dixie 5799	Dixie	MR	R	R	MR	MR	R	MR	R	1	1	1
HBK 5990	Hornbeck	MR	R	R	MR	R	MR	R	R	1	1	1
HBK 5991	Hornbeck	MR	R	MR	MR	R	MR	R	R	1	1	1
NK 057R (E)	NK	MR	R	MR	R	MR	R	R	R	1	1	1
NK 058R (E)	NK	MR	R	MR	MR	R	R	MR	MR	1	1	1
S59-60	NK	MR	R	MR	MS	R	R	MR	R	1	2	1
9594	Pioneer	R	R	MR	MR	MR	R	R	R	1	2	1
SS 597	So. States	R	R	MR	MR	MR	MR	MR	R	1	2	1
TV5893	Terral	MR	MR	MR	MR	R	R	R	MR	1	1	1
TV5926	Terral	MR	R	MR	MR	MR	R	R	R	1	1	1
Bolivar	Public	MR	R	MR	R	MR	R	R	R	2	1	1
Caviness	Public	R	R	R	MR	R	MR	MR	MR	2	1	1
DT96-6840 (E)	Public	MR	R	R	MR	R	MR	MR	R	1	1	1
DT96-16809 (E)	Public	MR	MR	MR	R	R	MR	R	R	1	1	1
Hutcheson	Public	MR	MR	MR	MR	MR	MR	MR	MR	2	1	1
R95-2210 (E)	Public	MR	R	MR	MR	MR	R	R	R	1	1	2
S94-1867 (E)	Public	MR	R	R	MR	MR	R	R	R	1	2	1
S96-2641 (E)	Public	R	R	R	MR	MR	MR	MR	R	1	2	1
TN 93-99 (E)	Public	R	R	MR	MR	MR	MR	MR	MR	1	1	1
TN 94-213 (E)	Public	MR	MR	R	MR	MR	MR	MR	MR	2	1	1
UAR-5798	Public	MR	R	R	R	R	R	R	R	1	1	1
V91-3036 (E)	Public	R	R	MR	MS	MR	R	MR	R	1	2	1

Table 102. Reaction of Maturity Group VI Soybeans to Diseases.

Variety	Brand	SMV/BPMV	Brown Spot	Downy Mildew	Bacterial pustule	Frogeye leafspot	Cercospora leafspot	Bacterial Blight	Alternaria leafspot	Stem Canker	Sudden death syndrome
HBK 6600	Hornbeck	R-MR	R-MR	R-MR	--	MR	MR	--	MR	--	--
9594	Pioneer	R	R-MR	MR	--	R	R	--	R	--	--
9631	Pioneer	R	R	MR	--	R	R	--	MR	--	--
9692	Pioneer	MR	MR	MR	--	R	MR	--	R	--	--
SS 665	So. States	R	R	MR-MS	--	R	R	--	MR	--	--
Dillon	Public	R-MR	R	MR	--	R	R	--	R	--	--
R92-1258 (E)	Public	MR	R-MR	R	--	MR	MR	--	R	--	--
SC91-2007 (E)	Public	MR	MR	MR	--	R	R	--	MR	--	--
TN93-142-17 (E)	Public	R-MR	R-MR	R-MR	--	R	R	--	R	--	--

Table 103. Reaction of Maturity Group IV Early Roundup Ready Soybeans to Diseases.

Variety	Brand	SMV/BPMV	Brown Spot	Downy Mildew	Bacterial pustule	Frogeye leafspot	Cercospora leafspot	Bacterial Blight	Alternaria leafspot	Stem Canker	Sudden death syndrome
4888RR	AgriPro/Garst	MR	MR	R	–	MR	–	–	R	–	–
AG 4403	Asgrow	R	MR	MR	–	R	–	–	R	–	–
AG 4601RR	Asgrow	R	R	R	–	MR	–	–	R	–	–
AG 4602RR	Asgrow	R	MR	R	–	MR	–	–	R	–	–
AG 4702RR	Asgrow	MR	MR	R	–	R	–	–	R	–	–
466RR	Croplan Genetics	R	R	R	–	R	–	–	R	–	–
DP 4344RR	Deltapine	MR	R	R	–	MR	–	–	MR	–	–
DP 4690RR	Deltapine	R	MR	MR	–	R	–	–	MR	–	–
DG3463NRR	Dyna-Gro	MR	R	R	–	MR	–	–	R	–	–
D472RR/N	Garst	R-MR	R	R	–	MR	–	–	R	–	–
HBK R4660RR	Hornbeck	MR	MR	R	–	–	–	–	R	–	–
94B41	Pioneer	R	R	R	–	MR	–	–	R	–	–
SS RT446N	So. States	R-MR	MR	R	–	MR	–	–	R	–	–
TV 4589RR	Terral	MR	MR	R	–	MR	–	–	R	–	–
TV 4787RR	Terral	R-MR	R	MR	–	MR	–	–	R	–	–

Table 104. Reaction of Maturity Group IV Late Roundup Ready Soybeans to Diseases.

Variety	Brand	SMV/BPMV	Brown Spot	Downy Mildew	Bacterial pustule	Frogeye leafspot	Cercospora leafspot	Bacterial Blight	Alternaria leafspot	Stem Canker	Sudden death syndrome
AG 4601RR	Asgrow	MR	MR	R	–	MR	R	–	R	1	1
AG 4702RR	Asgrow	R	MR	R	–	R	R	–	R	1	1
AG 4901RR	Asgrow	MR-MS	R	R	–	MR	R	–	R	1	1
AG 4902RR	Asgrow	R	MR	R	–	R	R	–	R	1	1
480RR	Croplan Genetics	R	R	R	–	R	R	–	R	1	1
4979RR	Croplan Genetics	R	MR	R	–	MR	R	–	MR	1	1
DG 4850RR	Delta Grow	R	MR	R	–	MR	R	–	R	1	1
DK 4762RR	Delta King	MR	R	R	–	MR	R	–	R	2	1
DK 4868RR	Delta King	R-MR	MR	R	–	R	R	–	MR	1	1
DK 4965RR	Delta King	R	MR	MR	–	R	R	–	R	1	1
SG 498RR	Deltapine	R	MR	R	–	R	R	–	MR	1	1
Dixie 4803RR	Dixie	R	R	R	–	R	R	–	R	1	1
DG 3484NRR	Dyna-Gro	R	MR	R	–	MR	R	–	R	1	1
ES 4902RR (E)	Eagle Seed	R	R	MR	–	R	R	–	R	1	2
Genesis A484	Genesis	R	R	MR	–	R	R	–	R	1	1
Genesis A504	Genesis	R	MR	R	–	MR	R	–	MR	1	1
H 4884RR	Hartz	R	R	R	–	R	R	–	R	1	1
H 4994RR	Hartz	R	MR	MR	–	R	R	–	R	1	1
HBK R4855RR	Hornbeck	R	R	R	–	R	R	–	R	1	1
HBK R4920	Hornbeck	MR	MR	R	–	R	R	–	R	1	1
MFA Morsoy RT4809	Morsoy	R-MR	MR	MR	–	R	R	–	R	1	1
NK S51-T1RR	NK	R	MR	MR	–	MR	R	–	R	1	1
9492RR	Pioneer	MR	R	MR	–	MR	R	–	R	1	1
SS XP RT4980 (E)	So. States	MR	MR	R	–	MR	R	–	MR	1	1
SS RT517N	So. States	R	MR	MR	–	R	MR	–	MR	1	2
TV 4886RR	Terral	R	MR	R	–	MR	R	–	MR	1	1
TV4890RR	Terral	MR	MR	R	–	R	R	–	R	1	1
TVX 48R901 (E)	Terral	R	MR	R	–	R	R	–	R	1	1
TVX 48R908 (E)	Terral	R	MR	R	–	MR	R	–	R	1	1

Table 105. Reaction of Maturity Group V Early Roundup Ready Soybeans to Diseases.

Variety	Brand	SMV/BPMV	Brown Spot	Downy Mildew	Bacterial pustule	Frogeye leafspot	Cercospora leafspot	Bacterial Blight	Alternaria leafspot	Stem Canker	Sudden death syndrome
569RR/N	AgriPro/Garst	R	R-MR	R	R	MR	R	R	MR	1	1
AG 5001RR	Asgrow	R	R	MR	R	MR	R	MR	R	1	1
AG 5501	Asgrow	R	MR	MR	MR	R	MR	MR	R	1	1
AG 5602RR	Asgrow	R	R	MR	MR	R	MR	R	MR	1	1
AG 5701	Asgrow	R	R	MR	R	R	R	R	R	1	1
556RR	Croplan Genetics	R	R	R	R	MR	MR	R	MR	1	1
5770RR	Croplan Genetics	R	R	MR	MR	MR	MR	R	R	1	1
DG 5630RR	Delta Grow	R	R	MR	R	MR	MR	R	R	1	1
DK 5661RR	Delta King	R	R-MR	R	MR	R	R	R	MR	1	1
DK 5267RR	Delta King	R	R	MR	R	R	MR	R	R	2	1
DK 5366RR	Delta King	R	R	MR	MR	MR	R	MR	MR	1	1
DK 5465RR	Delta King	R	R	R-MR	R	MR	MR	R	R	1	1
DK 5668RR	Delta King	R	R	MR	MR	MR	R	MR	R	1	1
DP 5644RR	Deltapine	R	R-MR	R	R	MR	MR	R	MR	1	1
DPX 5514RR (E)	Deltapine	R	R	R-MR	R	R	R	MR	R	1	2
DG 3521NRR	Dyna-Gro	R	R	R	R	R	R	R	R	1	1
DG 3535NRR	Dyna-Gro	R	R	MR	MR	MR	MR	MR	MR	1	1
DG3562NRR	Dyna-Gro	R	R	R	R	MR	R	R	MR	1	1
ES 4900RR (E)	Eagle Seed	MR	R-MR	R	MR	MR	R	MR	MR	1	1
ES 5000RR (E)	Eagle Seed	R	R-MR	MR	MR	R	MR	MR	MR	1	1
H5231RR	Hartz	R	R	R-MR	R	R	R	R	R	1	1
HBK R5588RR	Hornbeck	MR	MR	R-MR	R	MR	MR	R	R	1	1
MFA Morsoy RT5050	Morsoy	R	R	R	R	MR	MR	R	R	1	1
MFA Morsoy RT541SCN	Morsoy	R	MR	R	R	MR	MR	R	MR	2	1
NK S59-V6RR	NK	R	MR	MR	MR	MR	R	MR	MR	1	2
9492RR	Pioneer	MR	R	R	R	R	R	R	R	1	1
95B32	Pioneer	R	MR	R-MR	R	R	MR	R	MR	1	1
95B53RR	Pioneer	R	R-MR	MR	R	MR	MR	R	MR	1	1
Progeny 5410RR	Progeny	R	R	R	R	MR	MS	R	R	1	1
SS RT557N	So. States	R	MR	R-MR	R	MR	MR	R	MR	1	1
SS XP RT5399 (E)	So. States	R	R-MR	R	R	MR	MR	R	R	1	1
SS XP RT46704 (E)	So. States	R	R	R-MR	R	R	R	R	R	1	2
SS XP RT5609 (E)	So. States	R	R-MR	R	R	R	MR	R	R	1	1
TVX 50R901 (E)	Terral	R	R	MR	R	MR	MR	R	R	1	1
TVX 52R901 (E)	Terral	R	R	MR	R	MR	R	R	R	1	1
TV5486RR	Terral	R	MR	R	R	MR	R	R	R	1	1
TV5666RR	Terral	R-MR	MR	R	R	MR	R	R	MR	2	1
TVX 54R908 (E)	Terral	R	MR	R	R	R	R	R	R	1	1
USG 510nRR (E)	USG	R	R-MR	R	MR	R	MR	MR	MR	1	1
USG 540nRR (E)	USG	R	R	R-MR	R	R	MR	MR	R	1	1
USG 7547RR	USG	R	R	R	R	MR	MR	R	MR	1	1
USG 7557RR	USG	R	R-MR	R-MR	R	R	MS	R	R	1	2

Table 106. Reaction of Maturity Group V Late Roundup Ready Soybeans to Diseases.

Variety	Brand	SMV/BPMV	Brown Spot	Downy Mildew	Bacterial pustule	Frogeye leafspot	Cercospora leafspot	Bacterial Blight	Alternaria leafspot	Stem Canker	Sudden death syndrome
AG 5701RR	Asgrow	R	MR	R	R	R	MR	R	MR	1	1
AG 5802RR	Asgrow	R	MR	MR	MR	MR	R	MR	R	1	2
AG 5901RR	Asgrow	R	R	R	R	MR	MR	MR	R	2	1
AG 5902	Asgrow	R	R	MR	R	MR	R	MR	R	1	1
AG 6101	Asgrow	R	MR	R-MR	MR	MR	R	MR	MR	1	2
AG 6201	Asgrow	R	R	R	R	R	R	R	MR	1	1
590RR	Croplan Genetics	R-MR	R	R	R	R	R	R	R	1	1
6299RR	Croplan Genetics	R	R-MR	MR	MR	MR	MR	MR-MS	MR	1	1
CX580cRR	DEKALB	MR	R	R-MR	R	MR	MR	R	MR	1	2
DG 5950RR	Delta Grow	R	R	R-MR	R	R	MR	R	MR	1	1
DK 5961RR	Delta King	R	MR	MR	R	MR	R-MR	MR	R	1	1
DK 5762RR	Delta King	R	MR	R	R	R	R	R	R	1	1
DP 5915RR	Deltapine	R	R-MR	R-MR	R	MR	MR	R	MR	1	1
DP 5806RR	Deltapine	R	MR-MS	R	R	MR	R-MR	R	R	1	2
DG 3582NRR	Dyna-Gro	R	R	R	R	MR	R	R	R	1	1
ES 5700RR (E)	Eagle Seed	R	MR-MS	R-MR	R	MR	R	MR	R	1	1
ES 5706RR (E)	Eagle Seed	MR-MS	R-MR	R	R	MR	MR	R	R	1	1
ES 5707RR (E)	Eagle Seed	R-MR	MR	R	R	MR	R	MR	R	1	1
ES 5708RR (E)	Eagle Seed	R	MR-MS	R-MR	R	MR	R	MR	R	1	1
ES 5902RR (E)	Eagle Seed	MR	MR	R	MS	R	MR	MR-MS	MR	1	1
ES 5903RR (E)	Eagle Seed	R	R	R	R	MR	R	MR	R	1	1
H5885RR	Hartz	R	R	MR	R	MR	R	R	MR	1	1
H5999RR	Hartz	R-MR	MR-MS	R	MR	R	R	MR	R	1	1
HBK R5920RR	Hornbeck	R	R	R	R	R	MR	R	MR	1	1
HBK R6020RR	Hornbeck	MR	R	R	R	MR	R	R	R	1	1
HBK XR 575-99 (E)	Hornbeck	R	MR-MS	MR	R	MR	R	R	R	1	1
NK S59-V6RR	NK	MR-MS	R-MR	R-MR	R	MR	R	MR	R	1	1
95B95	Pioneer	R	R-MR	R	R	MR	MR	R	R	2	2
96B21	Pioneer	R	R-MR	R	R	MR	R	R	R	2	2
Progeny 5900R	Progeny	R	R-MR	R	R	R	MR	R	MR	1	1
SS RT587N	So. States	R	R	R	R	MR	MR-MS	MR	MR	1	2
SS RT 5999N	So. States	R	MR	R	R	MR	MR	R	R	1	2
SS RT 6299N	So. States	R	R-MR	R-MR	R	MR	MR	R	MR	2	1
TV 5866RR	Terral	MR-MS	R-MS	R-MR	R	MR	R-MR	R	R	1	2
TVX 5794RR (E)	Terral	R	R-MR	MR	R	MR	R	R	R	1	2
TVX 59R901 (E)	Terral	R	MR	R	R	R	MR	R	R	1	2
TVX 62R901 (E)	Terral	R	MR-MS	R	R	MR	MR	R	R	2	1
USG 7599nRR	USG	R	R-MR	R	R	R	MR	R	MR	1	1

Reniform Nematode Disease Ratings

These ratings are based on 1 year's data. Disease ratings and interpretations of data presented may change with additional experimentation and specific nematode populations. All nematode disease reactions are based on evaluations conducted in a greenhouse.

Reniform nematode disease ratings are presented in Table 107. Disease reactions were rated as R = Resistant, S = susceptible, and U = undetermined (mixed reaction).

Reniform nematode data were provided by Dr. Gary Lawrence, nematologist in the MSU Entomology and Plant Pathology Department.

Table 107. Disease Reaction of Selected Maturity Groups IV-VI Soybean Varieties to the Reniform Nematode.

Variety	Brand	Disease Rating	Variety	Brand	Disease Rating
Maturity Group IV			Maturity Group V		
AP 4882	Agripro	S	APX 588RR	Agripro	S
A4341	Asgrow	S	HY 574	Agripro	R
AG 4601	Asgrow	U	A5843	Asgrow	S
AG 4702	Asgrow	S	AG 5602RR	Asgrow	R
AG 4901	Asgrow	S	AG5701RR	Asgrow	S
AG4902	Asgrow	S	RVS Robin 5	Croplan Genetics	R
DK 4762RR	Delta King	S	SF 590RR	Croplan Genetics	S
DK 4868RR	Delta King	S	CX550RR	DEKALB	S
DK 4865RR	Delta King	S	DK5661RR	Delta King	S
DP 4690 RR	Deltapine	U	DK5762RR	Delta King	S
DP 4750 RR	Deltapine	S	DK5267RR	Delta King	S
DP 4756 RR	Deltapine	S	DK5668RR	Delta King	S
DP 4909	Deltapine	S	DK45995	Delta King	S
DP 4344RR	Deltapine	S	DK5961RR	Delta King	S
DP 4748RR	Deltapine	S	DP 5354	Deltapine	R
SG 498RR	Deltapine	S	DP 5644 RR	Deltapine	R
DYG3495	Dyna-Gro	S	DP 5655	Deltapine	S
EK XP4900	EK	S	DP 5806 RR	Deltapine	R
FFR HT 4985	FFR	S	DP 5915RR	Deltapine	S
H3090RR	Hartz	S	DP 5960RR	Deltapine	S
HBK R 4660	Hornbeck	S	DPX 5718RR	Deltapine	S
HBK R 4855	Hornbeck	S	EK XP5700	EK	S
HBK R4515	Hornbeck	S	FFR 594	FFR	S
HBK 4891	Hornbeck	S	HBK 5770	Hornbeck	R
S46-44	NK	S	HBK 5990	Hornbeck	S
P 9482	Pioneer	S	HBK R5920	Hornbeck	S
P 9492 RR	Pioneer	S	HBK R5588	Hornbeck	S
P 94B91	Pioneer	S	P 95B33	Pioneer	S
TV 4975	Terral	S	P 95B41	Pioneer	S
TVX 4787RR	Terral	S	P 95B53	Pioneer	S
USG 7499	USG	S	NK S57-A4	NK	U
DT97-4318	Public	S	NK S59-V6RR	NK	S
KS 4895	Public	S	TV 5486 RR	Terral	S
TN 4-94	Public	S	TV 5666 RR	Terral	S
			D60-12058	Public	S
			DT96-6840	Public	S
			UARK 5896	Public	S
			Maturity Group VI		
			AG 6101	Asgrow	S
			HBK 6600	Hornbeck	S
			P 96B01RR	Pioneer	S

Public Varieties Entered

Arkansas Agricultural Experiment Station

Caviness
R92-1258 (Exp.)
R95-2210 (Exp.)
UARK-5798

University of Missouri Agricultural Experiment Station

Anand
Delsoy 5500
S94-1867 (Exp.)
S96-2692 (Exp.)
S96-2641 (Exp.)

South Carolina Agricultural Experiment Station

Dillon
SC91-2007 (Exp.)

Tennessee Agricultural Experiment Station

TN 93-87 (Exp.)
TN 93-99 (Exp.)
TN 94-213 (Exp.)
TN93-142-17 (Exp.)

USDA Agricultural Research Service

Bolivar
DT96-6840 (Exp.)
DT96-16809 (Exp.)
DT97-4290 (Exp.)
DT97-6308 (Exp.)

Virginia Agricultural Experiment Station

Essex
Essex RSV1 (Exp.)
Essex RSV4 (Exp.)
Essex RSV1-n (Exp.)
Essex RSV3 (Exp.)
Hutcheson
V91-3036 (Exp.)

Commercial Varieties Entered

Cache River Valley Development Corp. P.O. Box 10, Hwy. 226 Cash, AR 72421	Dixie 478 Dixie 5799 Dixie 4803RR	
Delta and Pine Land Co. 7265 Hwy. 9 South Centre, AL 35860	DP4344RR DP4690RR SG498RR DP3478 DP4748S DP4909	DP5644RR DP5806RR DP5915RR (was DPX5915RR) DP5354 DP5655 DP5989
Delta and Pine Land Co. P.O. Box 1529 Hartsville, SC 29550	DPX 4910S (Exp.) DPX 5514RR (Exp.) DPX 5877 (Exp.)	
Delta Grow Seed P.O. Box 219 England, AR 72046	Delta Grow 4850RR Delta Grow 5630RR Delta Grow 5940 Delta Grow 5950RR	
Delta King Seed Company P.O. Box 970 McCrary, AR 72101	DK5961RR DK5762 RR DK 5668RR DK5661RR DK 5465RR DK 5366RR DK 5267RR DK4965RR	DK4868RR DK4762RR DK5995 DK5850 DK4711 DK4680 DK5580
Eagle Seed Co. P.O. Box 308 Weiner, AR 72479	ES 4900RR (Exp.) ES 4902RR (Exp.) ES 5000RR (Exp.) ES 5700RR (Exp.) ES 5706RR (Exp.)	ES 5903RR (Exp.) ES 5902RR (Exp.) ES 5707RR (Exp.) ES 5708RR (Exp.)
Garst Seed Co. 761 Walnut Knoll Lane, Suite 200 Memphis, TN 38018	AgriPro/Garst HY574 AgriPro/Garst 569RR/N AgriPro/Garst 4882	AgriPro/Garst 4888RR Garst D472RRN (was AP 4602RR/N)
Genesis Ag Ltd. P.O. Box 21085 Lansing, MI 48909	Genesis A484 Genesis A504	
Hornbeck Seed Company P.O. Box 472 Dewitt, AR 72042	HBK 4891 HBK R4660 HBK R4855 HBK R4920 HBK R5588 HBK XR575-99 (Exp.)	HBK 5990 HBK 5991 HBK R5920 HBK R6020 (was XR6020) HBK 6600
Land O' Lakes Seed/Croplan Genetics 6555 Quince Rd., Suite 202 Memphis, TN 38119	466RR (was TS466RR) 480RR (was WF480RR) 4979RR(was TS4979RR) 556RR (was TS556RR) 5770RR	590RR (was WF590RR) 6299RR 490 (was TS490) 520 (was TS520) Robin 5 (was RVS Robin 5)
MFA Incorporated 201 Ray Young Drive Columbia, MO 65201	Morsoy 5080 Morsoy RT4809	Morsoy RT5050 Morsoy RT541SCN

Monsanto Company

3100 Sycamore Rd.
DeKalb, IL 60115

Asgrow AG4403
Asgrow AG4602
Asgrow A4324
Asgrow AG4702
Asgrow AG4902
Asgrow AG5001
Asgrow AG5501
Asgrow AG5701
Asgrow AG5802
Asgrow AG5902
Asgrow A5959
Asgrow A4922
Asgrow AG6201

Asgrow AG4901
Asgrow AG5901
Asgrow AG5602
Asgrow AG4601
Asgrow AG6101
Asgrow A5547
Asgrow A5944
DEKALB CX580cRR
Hartz H4884RR
Hartz H5885RR
Hartz H5999RR
Hartz H4994RR
Hartz H5231RR

Novartis Seeds, Inc.

100 Sangria Dr.
Hattiesburg, MS 39402

NK S51-T1RR
NK S59-60
NK S59-V6RR

Novartis Seeds Inc.

P.O. Box 729
Bay, AR 72411

NK X056 (Exp.)
NK X057R (Exp.)
NK X058R (Exp.)

Pioneer Hi-Bred International

North American Seed Division
6767 Old Madison Pike
Suite 110
Huntsville, AL 35806

Pioneer Variety 94B41
Pioneer Variety 9482
Pioneer Variety 9492
Pioneer Variety 9511
Pioneer Variety 95B32
Pioneer Variety 95B33

Pioneer Variety 95B53
Pioneer Variety 9594
Pioneer Variety 95B95
Pioneer Variety 96B21
Pioneer Variety 9631
Pioneer Variety 9692

Progeny Ag. Products

1529 Hwy. 193
Wynne, AR 72396

Progeny 4910
Progeny 5600
Progeny 5410N

Progeny 5120N
Progeny 5900RR

Southern States Coop

P.O. Box 26234
Richmond, VA 23260

SS RT446N
SS 439
SS XP4899 (Exp.)
SS XP RT4980 (Exp.)
SS RT5999N
SS RT6299N
SS 495 (was FFR495)
SS 514N (was FFR514)
SS XP RT5399 (Exp.)

SS XP RT46704 (Exp.)
SS XP RT5609 (Exp.)
SS XP RT5709 (Exp.)
SS RT557N (was FFR RT557NRR)
SS RT 587N (was FFR RT587RR)
SS 597N (was FFR597)
SS 4985STS (was FFR HT4985)
SS RT517N (was FFR RT517RR)
SS 665N (was FFR 665)

Terral Seed Company

P.O. Box 826
Lake Providence, LA 71254

TV5495
TV5893
TV4886RR
TV4890RR
TVX48R901 (Exp.)
TVX48R908 (Exp.)
TV4881 (was TVX4881)
TV4975
TVX50R901 (Exp.)
TVX52R901 (Exp.)

TV5486RR
TV5666RR
TVX5794RR (Exp.)
TV5866RR
TVX54R908 (Exp.)
TVX59R901 (Exp.)
TVX62R901 (Exp.)
TV4589RR (was TVX4589RR)
TV4787RR (was TVX4787RR)
TV5926

UAP Mid South

(Formerly Tri-State Delta Chemical, Inc.)
57 Germantown Ct., Suite 200
Cordova, TN 38018

DG 3463NRR
DG 3484NRR
DG 3521NRR

DG 3535NRR
DG 3562NRR
DG 3582NRR

UniSouth Genetics

2640-C Nolensville Rd.
Nashville, TN 37211

USG 510nRR (Exp.)
USG 540nRR (Exp.)
USG 7547RR

USG 7557RR
USG 7599nRR

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