2006 Soybean Variety Performance

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Information on Soybean Variety Trials

Numerous soybean lines and varieties were evaluated in performance tests during 2006. Commercially available varieties, both public and private, and advanced experimental lines were included within the tests. Tests were designed to provide information to assist producers in identifying superior varieties and make crop management decisions. Tests include both early-season and full-season environments (Table 1). Early-season tests were planted during April and contained maturity group (MG) III and VI. Full-season test were planted during June and included varieties in MG IV, V, and VI. Glyphosate resistant tests were also conducted with one test each in the early-season and full-season plantings.

Public varieties included in tests are considered to be competitive for the region, and are represented by established varieties, new releases, and advanced experimental lines. Varieties of private seed company origin are submitted based on decisions by the respective company.

2006 Soybean Crop Overview

The 2006 soybean production season in Oklahoma was characterized as extremely hot and dry. For many areas in Oklahoma this past soybean growing season will go down among the driest in recorded history. Planted acreage of this year's soybean crop was measured at 310,000 acres and an estimated 260, 000 acres were harvested. Average yield at the time of this report was estimated at 19 bushels per acre. Although poor growing conditions were encountered across much of Oklahoma a few locations received timely rains to save their soybean crop. Even though 2006 was a difficult production year for soybean producers, soybean remains a good cropping choice for most areas of Oklahoma.

Pest problems

For the most part no major widespread pest problems were observed during the 2006 growing season. Threecornered alfalfa hoppers were observed in a few fields during the early part of the growing season. Plant disease was also very low during the 2006 growing season, mainly due to the dry growing conditions. Soybean rust was not detected in any of the Sentinel Plots OSU had throughout the state.

Methods

Test locations were near Chickasha, Haskell, Bixby, Lahoma, and Goodwell. Test plots were planted using four 30-inch rows that were 21 feet long. Plots were seeded at a rate of eight seeds per row foot (139,392 seeds per acre). At planting, *Bradyrhizobium japonicum* in a granular formulation was applied with the seed. Tests were conducted using randomized complete block design with three replications. All locations were conventionally tilled prior to seeding. Irrigation was used only at the Goodwell location. Three rows the entire length of the plot was harvested with a small plot combine to determine grain yield.

Interpreting Data

Details of establishment and management of each test are listed in footnotes below the tables. Least significant differences (LSD) are listed at the bottom of all but the Performance Summary tables. Differences between varieties are significant only if they are equal to or greater than the LSD value. If a given variety out yields another variety by as much or more than the LSD value, then we are 95% sure that the yield difference is real, with only a 5% probability that the difference is due to chance alone. For example, if variety X is 5 bushels/acre higher in yield than variety Y, then this difference is statistically significant if the LSD is 5 or less. If the LSD is 5 or greater, then we are less confident that variety X really is higher yielding than variety Y under the conditions of the test.

The CV value or coefficient of variation, listed at the bottom of each table is used as a measure of the precision of the experiment. Lower CV values will generally relate to lower experimental error in the trial. Uncontrollable or immeasurable variations in soil fertility, soil drainage, and other environmental factors contribute to greater experimental error and higher CV values.

Results reported here should be representative of what might occur throughout the state but would be most applicable under environmental and management conditions similar to those of the tests. The relative yields of all soybean varieties are affected by crop management and by environmental factors

including soil type, summer conditions, soil moisture conditions, diseases, and insects.

Additional information on the Web

A copy of this publication as well as additional variety information and more information on soybean management can be found at

www.soybean.okstate.edu/

Sources of Seed for the 2006 Soybean Performance Tests

Dyna-Gro Seeds
PO Box 577
Webber Falls, OK 74470 Telephone: 918-464-2012

Hornbeck Seed Co., Inc.
PO Box 472
Dewitt, AR 72042 Telephone: 870-946-2087

Delta & Pine Land Company
1301 E. 50th St.
Lubbock, TX 79404 Telephone: 806-740-1642

Monsanto
102 W. Carol Ave.
Cortland, IL 60112 Telephone: 815-754-4809

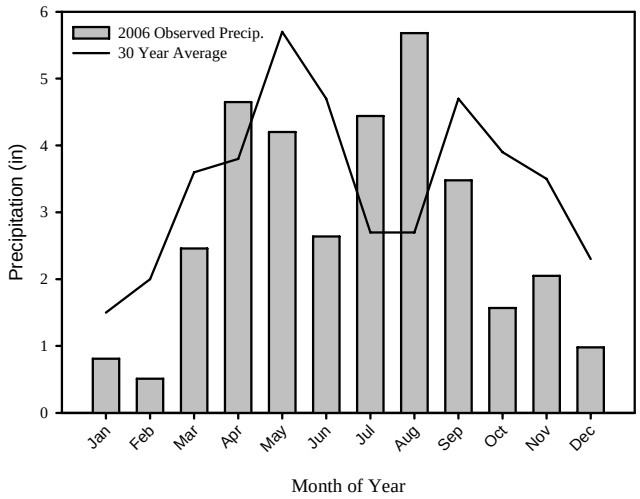
NK Brand Seeds
6711 Hare Hill Dr.
Arlington, IN 38002 Telephone: 901-382-5265

Pioneer Hi-Bred Intl., Inc.
1616 S. Kentucky, Suite C-350
Amarillo, TX 79102 Telephone: 806-356-9221

University of Arkansas

University of Missouri

Bixby Precipitation



Bixby Temperature

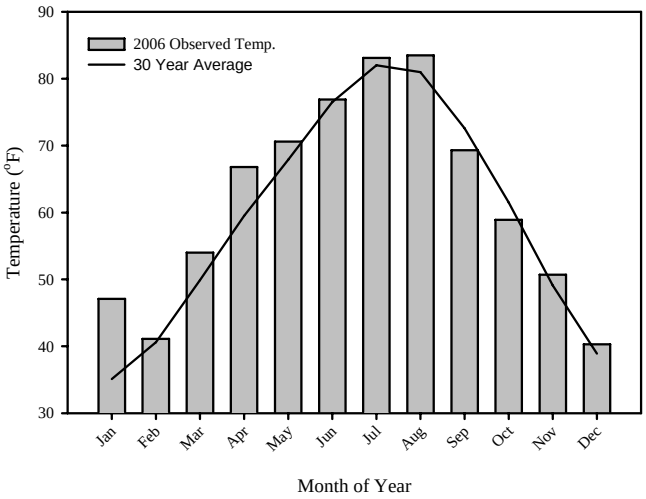


Table 1. Information on soil chemical properties and management practices for the Soybean Production Test at Bixby, OK in 2006.

Soil Properties	Result	Cultural Practice	Information
pH	6.1	Planting Date	4/20 and 6/8[1]
Soil Test P Index	95	Seeding Rate (seeds/foot of row)	8
Soil Test K Index	257	Seeding Depth (in)	1.5
		Irrigation	none
		Soil Moisture at Planting	Good

[1]First planting date is for early season tests and second date is the date that the full season tests were planted.

Table 2. Early Season Roundup Ready Soybean Production Bixby, OK 2006.

Variety	Company	Maturity Group	Harvest Date	Height	Shattering Score	Lodging Score	Seed/Lb	Yield
				- in -				- bu/acre -
HBK R3824	Hornbeck Seed Co. Inc.	3.9						
HBK R4623	Hornbeck Seed Co. Inc.	4.5						
HBK R4724	Hornbeck Seed Co. Inc.	4.7						
HBK R4924	Hornbeck Seed Co. Inc.	4.9						
HBK R5123	Hornbeck Seed Co. Inc.	5.1						
HBK R5226	Hornbeck Seed Co. Inc.	5.2						
HBK R5425	Hornbeck Seed Co. Inc.	5.4						
HBK R5525	Hornbeck Seed Co. Inc.	5.5						
93M92	Pioneer Hi-Bred Intl.Inc.	3						
93M95	Pioneer Hi-Bred Intl.Inc.	3						
SXO6438	Dynagro Seed UAP	3.8						
SXO6842	Dynagro Seed UAP	4.2						
37A44	Dynagro Seed UAP	4.5						
DG3463NRR	Dynagro Seed UAP	4.6						
SXO6646	Dynagro Seed UAP	4.6						
31A48	Dynagro Seed UAP	4.8						
36Y48	Dynagro Seed UAP	4.8						
35Z49	Dynagro Seed UAP	4.9						
DKB40-51	Monsanto	4						
AG4103	Monsanto	4						
AG4403	Monsanto	4						
AG4404	Monsanto	4						

Test was not harvested due to drought conditions.

Table 3. Full Season Group IV Soybean Production Bixby, OK 2006.

Variety	Company	Harvest Date	Height	Shattering[1] Score	Lodging[1] Score	Seed/Lb	Yield[2]
			- in -				- bu/acre -
UA 4805	University of Arkansas	30-Oct	14	0	0	3050	24.1
S49-Q9	NK Brand Seeds	30-Oct	20	1	0	2850	22.4
S43-B1	NK Brand Seeds	30-Oct	18	0	0	2750	20.3
S41-M5	NK Brand Seeds	30-Oct	15	0	0	2800	14.9

[1]0 = no shattering or lodging, 5 = very severe shattering or lodging.

[2]Mean yield =21.8 Bu/acre. LSD @ .05 =2.3 Bu/acre. C.V. =5.9 %.

Table 4. Full Season Group V Soybean Production Bixby, OK 2006.

Variety	Company	Harvest Date	Height	Shattering[1] Score	Lodging[1] Score	Seed/Lb	Yield[2]
			- in -				- bu/acre -
Ozark	University of Arkansas	9-Nov	23	0	0	2600	30.7
S53-A1	NK Brand Seeds	9-Nov	26	0	0	2450	26.2
S57-P1	NK Brand Seeds	9-Nov	24	0	0	2550	26.2
Stoddard	University of Missouri	9-Nov	18	0	0	2500	19.3
Jake	University of Missouri	9-Nov	18	0	0	2400	18.4

[1]0 = no shattering or lodging, 5 = very severe shattering or lodging.

[2]Mean yield =23.2 Bu/acre. LSD @ .05 =3.4 Bu/acre. C.V. =8.5 %.

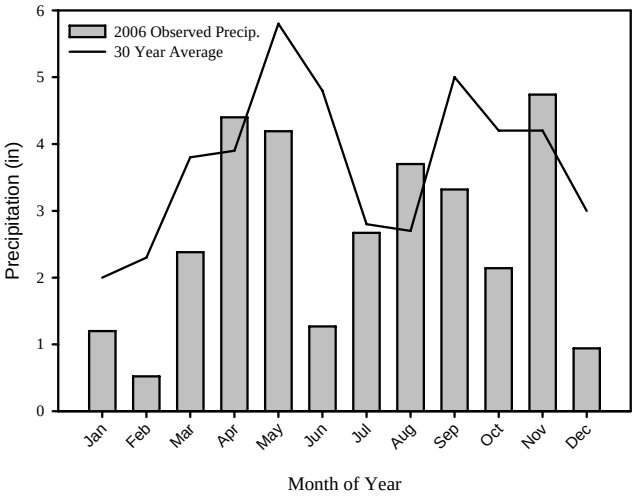
Table 5. Full Season Roundup Ready Soybean Production Bixby, OK 2006.

Variety	Company	Maturity Group	Harvest Date	Height	Shattering[1] Score	Lodging[1] Score	Seed/Lb	Yield[2]
				- in -				- bu/acre -
DG3583RR	Dynagro Seed UAP	5.8	9-Nov	24	0	0	2500	37.0
DG3535NRR	Dynagro Seed UAP	5.3	9-Nov	28	0	0	2800	34.0
DP5915	Delta&Pine Land Co.	5.9	9-Nov	25	0	0	2750	32.4
36N57	Dynagro Seed UAP	5.7	9-Nov	25	0	0	2550	31.3
38K57	Dynagro Seed UAP	5.7	9-Nov	25	0	0	2650	31.1
33B52	Dynagro Seed UAP	5.2	9-Nov	24	0	0	2550	29.6
AG5605	Monsanto	5	9-Nov	19	0	0	3050	29.3
AG4903	Monsanto	4	9-Nov	25	0	0	2250	29.1
37C62	Dynagro Seed UAP	6.1	9-Nov	22	0	0	2800	28.4
33X55	Dynagro Seed UAP	5.5	9-Nov	27	0	0	2650	28.0
DP5808RR	Delta&Pine Land Co.	5.8	9-Nov	24	0	0	3100	27.1
AG5301	Monsanto	5	9-Nov	23	0	0	2250	27.0
95M80	Pioneer Hi-Bred Intl. Inc	5	9-Nov	27	0	0	2400	25.5
DG3600NRR	Dynagro Seed UAP	6	9-Nov	24	0	0	2500	23.6
DP5634RR	Delta&Pine Land Co.	5.6	9-Nov	26	0	0	2700	23.2
DKB46-51	Monsanto	4	9-Nov	23	0	0	2100	22.6
AG4703	Monsanto	4	9-Nov	16	0	0	2600	22.6
95M82	Pioneer Hi-Bred Intl. Inc	5	9-Nov	27	0	0	2600	22.4
AG5501	Monsanto	5	9-Nov	22	0	0	2600	20.0
SXO5352	Dynagro Seed UAP	5.2	9-Nov	23	0	0	2350	18.3

[1]0 = no shattering or lodging, 5 = very severe shattering or lodging.

[2]Mean yield =27.1 Bu/acre. LSD @ .05 =4.7 Bu/acre. C.V. =10.4 %.

Haskell Precipitation



Haskell Temperature

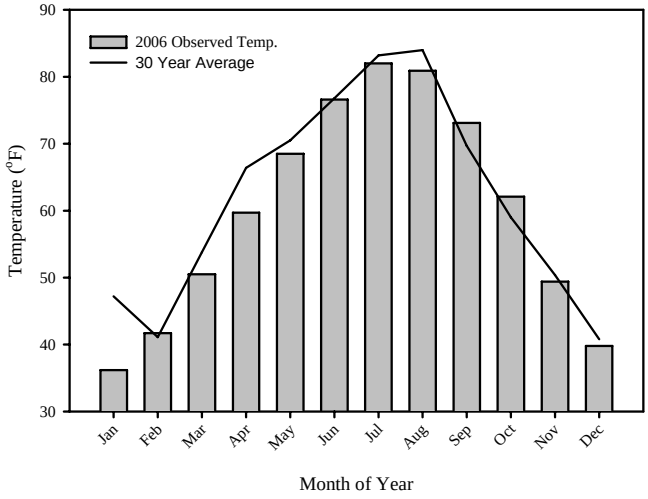


Table 6. Information on soil chemical properties and management practices for the Soybean Production Test at Haskell, OK in 2006.

Soil Properties	Result	Cultural Practice	Information
pH	5.7	Planting Date	4/20 and 6/8[1]
Soil Test P Index	91	Seeding Rate (seeds/foot of row)	8
Soil Test K Index	271	Seeding Depth (in)	1.5
		Irrigation	none
		Soil Moisture at Planting	Good

[1]First planting date is for early season tests and second date is the date that the full season tests were planted.

Table 7. Early Season Roundup Ready Soybean Production Haskell, OK 2006.

Variety	Company	Maturity Group	Harvest Date	Height	Shattering[1] Score	Lodging[1] Score	Seed/Lb	Yield[2]
				- in -				- bu/acre -
HBK R5123	Hornbeck Seed Co. Inc.	5.1	20-Oct	27	0	0	2900	26.2
HBK R5226	Hornbeck Seed Co. Inc.	5.2	20-Oct	17	1	0	2800	22.5
HBK R5525	Hornbeck Seed Co. Inc.	5.5	20-Oct	14	1	0	2750	21.8
35Z49	Dynagro Seed UAP	4.9	20-Oct	28	0	0	2750	20.4
HBK R4924	Hornbeck Seed Co. Inc.	4.9	20-Oct	27	0	0	2850	17.5
HBK R5425	Hornbeck Seed Co. Inc.	5.4	20-Oct	21	0	0	2650	17.5
SXO6842	Dynagro Seed UAP	4.2	20-Oct	13	1	0	2950	17.5
31A48	Dynagro Seed UAP	4.8	15-Sep	20	0	0	2950	15.1
SXO6438	Dynagro Seed UAP	3.8	20-Oct	16	2	0	2900	14
36Y48	Dynagro Seed UAP	4.8	15-Sep	25	0	0	3200	12.8
HBK R4623	Hornbeck Seed Co. Inc.	4.5	15-Sep	22	1	0	3100	12.4
HBK R4724	Hornbeck Seed Co. Inc.	4.7	20-Oct	26	2	0	2950	11.5
HBK R3824	Hornbeck Seed Co. Inc.	3.9	20-Oct	25	2	0	3250	10.2
DG3463NRR	Dynagro Seed UAP	4.6	15-Sep	23	1	0	3700	9.2
93M92	Pioneer Hi-Bred	3	15-Sep	18	2	0	3050	8.9
AG4103	Monsanto	4	15-Sep	19	2	0	3500	8.3
93M95	Pioneer Hi-Bred	3	15-Sep	17	2	0	3600	7.7
37A44	Dynagro Seed UAP	4.5	15-Sep	21	1	0	3400	7.7
DKB40-51	Monsanto	4	15-Sep	21	1	0	3500	7.7
AG4404	Monsanto	4	15-Sep	23	2	0	3600	7.6
AG4403	Monsanto	4	15-Sep	19	1	0	3450	7.1
SXO6646	Dynagro Seed UAP	4.6	15-Sep	18	0	0	2850	6.3

[1]0 = no shattering or lodging, 5 = very severe shattering or lodging.

[2]Mean yield =13.2 Bu/acre. LSD @ .05 =2.2 Bu/acre. C.V. =10.0 %.

Table 8. Full Season Group IV Soybean Production Haskell, OK 2006.

Variety	Company	Harvest Date	Height	Shattering[1] Score	Lodging[1] Score	Seed/Lb	Yield[2]
			- in -				- bu/acre -
UA 4805	University of Arkansas	20-Oct	17	0	0	2950	20.8
S49-Q9	NK Brand Seeds	20-Oct	25	0	0	3200	19.7
S41-M5	NK Brand Seeds	20-Oct	16	0	0	3600	16.7
S43-B1	NK Brand Seeds	20-Oct	19	0	0	3150	13.8

[1]0 = no shattering or lodging, 5 = very severe shattering or lodging.

[2]**Mean yield =19.4 Bu/acre. LSD @ .05 =3.3 Bu/acre. C.V. =9.6 %.**

Table 9. Full Season Group V Soybean Production Haskell, OK 2006.

Variety	Company	Harvest Date	Height	Shattering[1] Score	Lodging[1] Score	Seed/Lb	Yield[2]
			- in -				- bu/acre -
Ozark	University of Arkansas	14-Nov	22	1	0	2600	23.6
S53-A1	NK Brand Seeds	14-Nov	24	1	0	2250	20.7
Jake	University of Missouri	14-Nov	21	1	0	2600	18.3
Stoddard	University of Missouri	14-Nov	20	1	0	2500	18.2
S57-P1	NK Brand Seeds	14-Nov	22	0	0	2400	14.4

[1]0 = no shattering or lodging, 5 = very severe shattering or lodging.

[2]**Mean yield =19.6 Bu/acre. LSD @ .05 =3.1 Bu/acre. C.V. =9.2 %.**

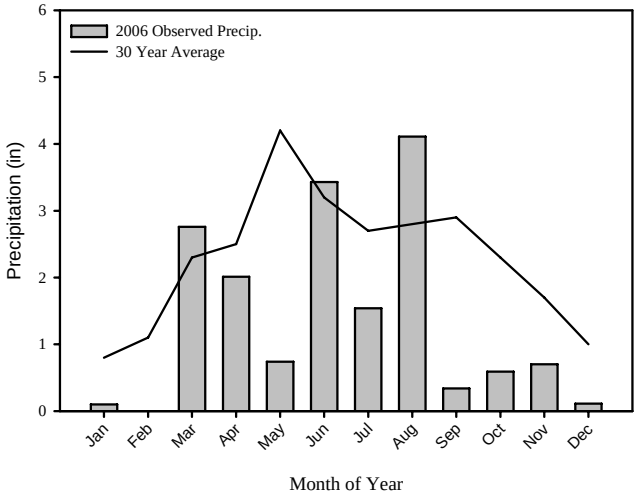
Table 10. Full Season Roundup Ready Soybean Production Haskell, OK 2006.

Variety	Company	Maturity Group	Harvest Date	Height	Shattering[1] Score	Lodging[1] Score	Seed/Lb	Yield[2]
				- in -				- bu/acre -
AG5605	Monsanto	5	14-Nov	23	1	0	2900	26.4
36N57	Dynagro Seed UAP	5.7	14-Nov	27	0	0	2350	22.9
DG3583RR	Dynagro Seed UAP	5.8	14-Nov	28	0	0	2650	22.8
DP5808RR	Delta&Pine Land Co.	5.8	14-Nov	30	0	0	2950	22.7
DP5915	Delta&Pine Land Co.	5.9	14-Nov	26	0	0	2800	22.2
95M82	Pioneer Hi-Bred Intl.	5	14-Nov	28	1	0	2700	22
AG5301	Monsanto	5	14-Nov	26	0	0	2650	21.9
AG4903	Monsanto	4	14-Nov	23	0	0	2650	21.7
AG4703	Monsanto	4	14-Nov	20	0	0	3050	21.6
DKB46-51	Monsanto	4	14-Nov	26	0	0	2600	21.5
33B52	Dynagro Seed UAP	5.2	14-Nov	25	0	0	2450	19.9
38K57	Dynagro Seed UAP	5.7	14-Nov	29	0	0	2750	19.3
95M80	Pioneer Hi-Bred Intl.	5	14-Nov	25	0	0	2650	17.8
AG5501	Monsanto	5	14-Nov	26	1	0	2600	17.4
SXO5352	Dynagro Seed UAP	5.2	14-Nov	24	0	0	2350	16.7
DG3535NRR	Dynagro Seed UAP	5.3	14-Nov	28	0	0	2600	16.4
33X55	Dynagro Seed UAP	5.5	14-Nov	27	0	0	2500	16.3
37C62	Dynagro Seed UAP	6.1	14-Nov	25	0	0	2700	16.1
DP5634RR	Delta&Pine Land Co.	5.6	14-Nov	26	0	0	2550	15.2
DG3600NRR	Dynagro Seed UAP	6	14-Nov	29	0	0	2650	10.9

[1] 0 = no shattering or lodging, 5 = very severe shattering or lodging.

[2] **Mean yield =19.6 Bu/acre. LSD @ .05 =3.7 Bu/acre. C.V. =11.5 %.**

Lahoma Precipitation



Lahoma Temperature

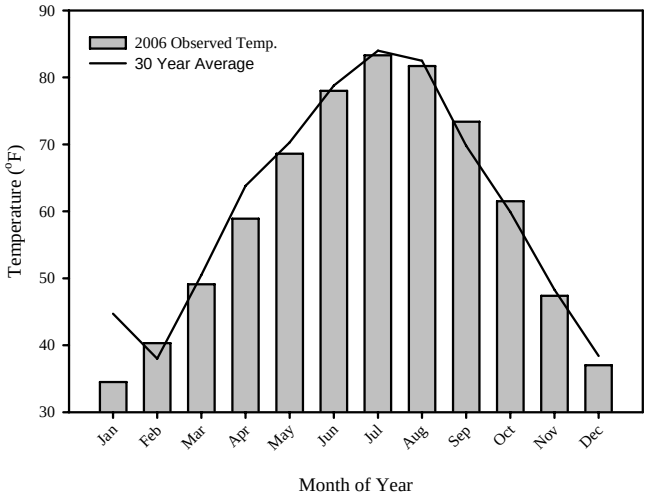


Table 11. Information on soil chemical properties and management practices for the Soybean Production Test at Lahoma, OK in 2006.

Soil Properties	Result	Cultural Practice	Information
pH	na[1]	Planting Date	4/21 and 6/5[2]
Soil Test P Index	na	Seeding Rate (seeds/foot of row)	8
Soil Test K Index	na	Seeding Depth (in)	1.5
		Irrigation	none
		Soil Moisture at Planting	Very Dry

[1]Not available.

[2]First planting date is for early season tests and second date is the date that the full season tests were planted.

Table 12. Early Season Roundup Ready Soybean Production Lahoma, OK 2006.

Variety	Company	Maturity Group	Harvest Date	Height	Shattering[1] Score	Lodging[1] Score	Seed/Lb	Yield[2]
				- in -				- bu/acre -
DKB40-51	Monsanto	4	2-Oct	23	0	0	2750	16.6
SXO6842	Dynagro Seed UAP	4.2	2-Oct	28	0	0	2950	14.8
HBK R5525	Hornbeck Seed Co. Inc.	5.5	2-Oct	22	0	0	2850	14.4
AG4403	Monsanto	4	2-Oct	24	0	0	3150	13.5
37A44	Dynagro Seed UAP	4.5	2-Oct	23	0	0	3100	13
AG4103	Monsanto	4	2-Oct	22	0	0	2750	12.6
HBK R4924	Hornbeck Seed Co. Inc.	4.9	2-Oct	26	1	0	2700	12.4
HBK R5123	Hornbeck Seed Co. Inc.	5.1	2-Oct	29	0	0	3050	12.2
HBK R5226	Hornbeck Seed Co. Inc.	5.2	2-Oct	21	0	0	2900	12.2
HBK R5425	Hornbeck Seed Co. Inc.	5.4	2-Oct	29	0	0	2750	11.8
31A48	Dynagro Seed UAP	4.8	2-Oct	21	0	0	2800	11.7
HBK R3824	Hornbeck Seed Co. Inc.	3.9	2-Oct	21	0	0	2550	11.5
DG3463NRR	Dynagro Seed UAP	4.6	2-Oct	28	0	0	3150	11.2
36Y48	Dynagro Seed UAP	4.8	2-Oct	23	0	0	3200	10.9
SXO6438	Dynagro Seed UAP	3.8	2-Oct	23	0	0	2700	10.4
35Z49	Dynagro Seed UAP	4.9	2-Oct	29	0	0	2600	10.1
SXO6646	Dynagro Seed UAP	4.6	2-Oct	21	0	0	3150	10
HBK R4623	Hornbeck Seed Co. Inc.	4.5	2-Oct	21	0	0	2900	9.9
93M92	Pioneer Hi-Bred Intl.Inc	3	2-Oct	18	0	0	2700	8.3
AG4404	Monsanto	4	2-Oct	24	0	0	2550	8
93M95	Pioneer Hi-Bred Intl.Inc	3	2-Oct	23	2	0	3250	6.7
HBK R4724	Hornbeck Seed Co. Inc.	4.7	24-Oct	24	0	0	2650	6.5

[1]0 = no shattering or lodging, 5 = very severe shattering or lodging.

[2]**Mean yield =11.3 Bu/acre. LSD @ .05 =2.7 Bu/acre. C.V. =14.4 %.**

Table 13. Full Season Group IV Soybean Production Lahoma, OK 2006.

Variety	Company	Harvest Date	Height	Shattering[1] Score	Lodging[1] Score	Seed/Lb	Yield[2]
			- in -				- bu/acre -
UA 4805	University of Arkansas	27-Oct	17	1	0	4150	24.8
S43-B1	NK Brand Seeds	27-Oct	18	2	0	3700	18.9
S41-M5	NK Brand Seeds	27-Oct	12	2	0	3600	16.1
S49-Q9	NK Brand Seeds	27-Oct	22	0	0	4150	13.5

[1]0 = no shattering or lodging, 5 = very severe shattering or lodging.

[2]Mean yield =21.2 Bu/acre. LSD @ .05 =4.6 Bu/acre. C.V. =12.4 %.

Table 14. Full Season Group V Soybean Production Lahoma, OK 2006.

Variety	Company	Harvest Date	Height	Shattering[1] Score	Lodging[1] Score	Seed/Lb	Yield[2]
			- in -				- bu/acre -
S57-P1	NK Brand Seeds	27-Oct	20	0	0	3300	18.2
S53-A1	NK Brand Seeds	27-Oct	16	1	0	3250	17.4
Jake	University of Missouri	27-Oct	14	0	0	3150	15.7
Ozark	University of Arkansas	27-Oct	15	1	0	3150	14.9
Stoddard	University of Missouri	27-Oct	16	1	0	3400	14.5

[1]0 = no shattering or lodging, 5 = very severe shattering or lodging.

[2]Mean yield =15.5 Bu/acre. LSD @ .05 =3.5 Bu/acre. C.V. =13.3 %.

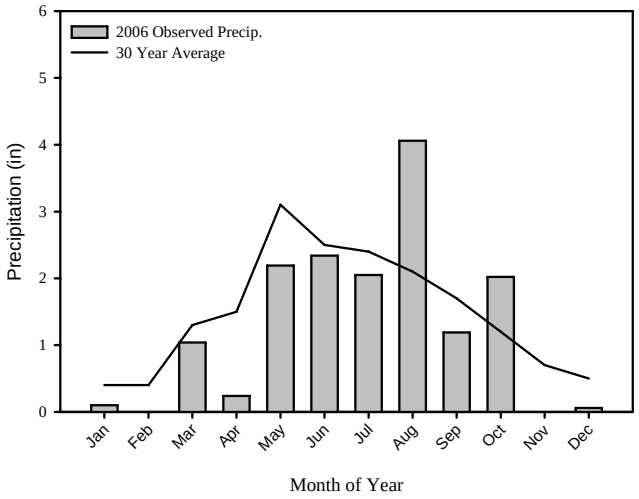
Table 15. Full Season Roundup Ready Soybean Production Lahoma, OK 2006.

Variety	Company	Maturity Group	Harvest Date	Height	Shattering[1] Score	Lodging[1] Score	Seed/Lb	Yield[2]
				- in -				- bu/acre -
AG5605	Monsanto	5	27-Oct	27	0	0	4100	34.2
36N57	Dynagro Seed UAP	5.7	27-Oct	22	0	0	3500	29.8
95M80	Pioneer Hi-Bred Intl. In	5	27-Oct	25	0	0	3600	29.3
AG4903	Monsanto	4	27-Oct	18	0	0	3050	29.1
DP5808RR	Delta&Pine Land Co.	5.8	27-Oct	29	0	0	4000	29
DG3583RR	Dynagro Seed UAP	5.8	27-Oct	28	0	0	3700	28.6
AG5501	Monsanto	5	27-Oct	26	0	0	3800	27.8
AG4703	Monsanto	4	27-Oct	24	1	0	3200	26.9
DG3600NRR	Dynagro Seed UAP	6	27-Oct	26	0	0	3650	26.4
DP5915	Delta&Pine Land Co.	5.9	27-Oct	29	0	0	3800	26.4
33B52	Dynagro Seed UAP	5.2	27-Oct	17	0	0	3200	25.3
DKB46-51	Monsanto	4	27-Oct	28	0	0	2850	24.8
95M82	Pioneer Hi-Bred Intl. In	5	27-Oct	20	0	0	3400	24.4
SXO5352	Dynagro Seed UAP	5.2	27-Oct	21	0	0	2900	23.8
37C62	Dynagro Seed UAP	6.1	27-Oct	26	0	0	3600	22.7
DP5634RR	Delta&Pine Land Co.	5.6	27-Oct	25	0	0	3200	21.8
33X55	Dynagro Seed UAP	5.5	27-Oct	18	0	0	3100	20.6
DG3535NRR	Dynagro Seed UAP	5.3	27-Oct	20	0	0	3600	20.4
AG5301	Monsanto	5	27-Oct	27	0	0	3700	19.7
38K57	Dynagro Seed UAP	5.7	27-Oct	29	0	0	3600	18.2

[1]0 = no shattering or lodging, 5 = very severe shattering or lodging.

[2]Mean yield =25.5 Bu/acre. LSD @ .05 =4.7 Bu/acre. C.V. =11.2 %.

Goodwell Precipitation



Goodwell Temperature

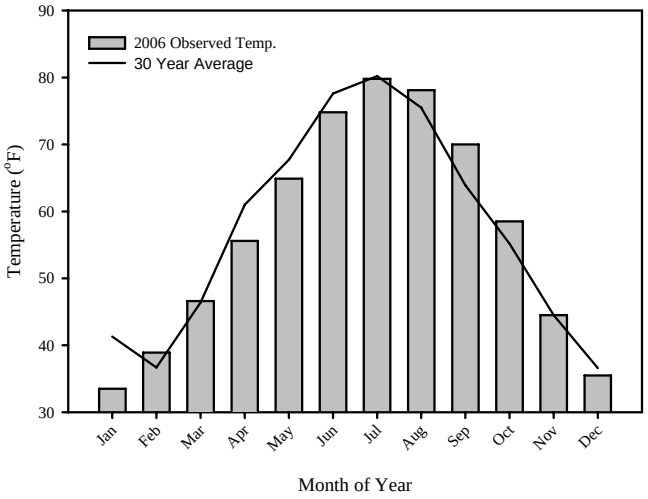


Table 16. Information on soil chemical properties and management practices for the Soybean Production Test at Goodwell, OK in 2006.

Soil Properties	Result	Cultural Practice	Information
pH	na[1]	Planting Date	June 7, 2006
Soil Test P Index	na	Seeding Rate (seeds/foot of row)	8
Soil Test K Index	na	Seeding Depth (in)	1.5
		Irrigation	As needed

[1]Not available.

Notes:

- Early season roundup ready test was not harvested due to hail storm received in early June.

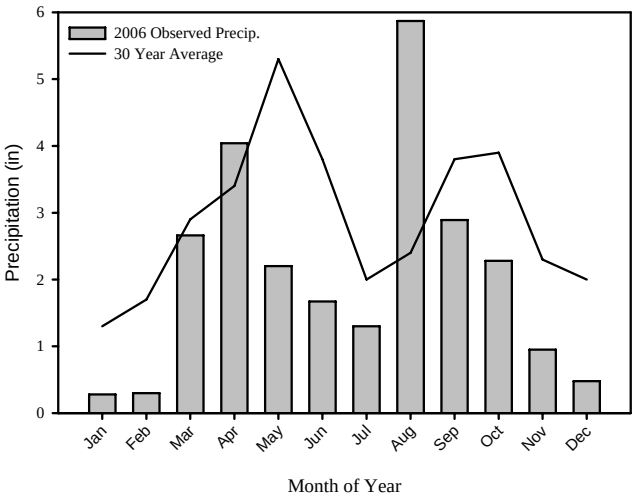
Table 17. Full Season Roundup Ready Soybean Production Goodwell, OK 2006.

Variety	Company	Maturity Group	Harvest Date	Height	Shattering[1] Score	Lodging[1] Score	Seed/Lb	Yield[2]
				- in -				- bu/acre -
AG4703	Monsanto	4	6-Oct	31	0	0	3100	51.7
AG4903	Monsanto	4	6-Oct	27	0	0	2950	48.5
DKB46-51	Monsanto	4	6-Oct	36	0	0	2950	45.9
33B52	Dynagro Seed UAP	5.2	6-Oct	36	0	0	3650	42.6
AG5301	Monsanto	5	6-Oct	31	0	0	3900	42.6
AG5605	Monsanto	5	6-Oct	37	0	1	3750	41.1
DP5808RR	Delta&Pine Land Co.	5.8	6-Oct	44	0	3	4050	40.8
DG3583RR	Dynagro Seed UAP	5.8	6-Oct	34	0	0	3850	39.4
DG3535NRR	Dynagro Seed UAP	5.3	6-Oct	35	0	1	3950	39.3
95M80	Pioneer Hi-Bred Intl.	5	6-Oct	35	0	0	3450	38.4
AG5501	Monsanto	5	6-Oct	36	0	0	3700	38
95M82	Pioneer Hi-Bred Intl.	5	6-Oct	35	0	0	4050	36.6
38K57	Dynagro Seed UAP	5.7	6-Oct	35	0	2	4100	35.8
DP5634RR	Delta&Pine Land Co.	5.6	6-Oct	33	0	0	3500	35
DP5915	Delta&Pine Land Co.	5.9	6-Oct	37	0	1	3700	32.6
37C62	Dynagro Seed UAP	6.1	6-Oct	39	0	0	4250	30.9
36N57	Dynagro Seed UAP	5.7	6-Oct	33	0	0	4150	29.5
33X55	Dynagro Seed UAP	5.5	6-Oct	38	0	0	3600	28.7
SXO5352	Dynagro Seed UAP	5.2	6-Oct	43	0	1	3350	28.3
DG3600NRR	Dynagro Seed UAP	6	6-Oct	39	0	1	3550	27

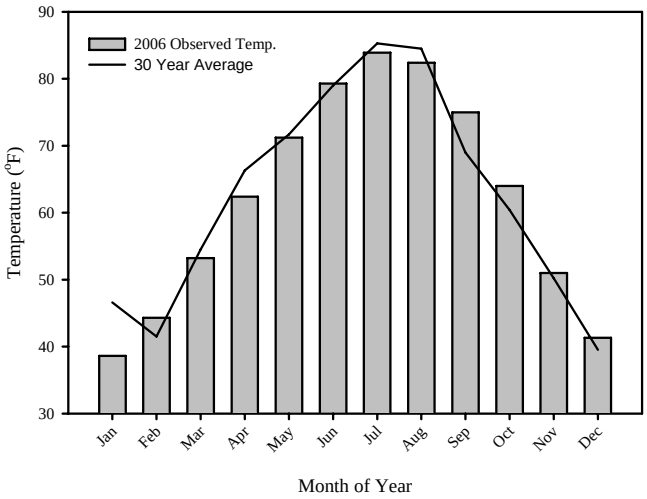
[1]0 = no shattering or lodging, 5 = very severe shattering or lodging.

[2]**Mean yield =37.6 Bu/acre. LSD @ .05 =5.7 Bu/acre. C.V. =9.2 %.**

Chickasha Precipitation



Chickasha Temperature



Notes:

- Soybean tests were not harvest at Chickasha in 2006 due to drought conditions and very dry soil moisture conditions at planting time for the full season tests. Early season test germinated and a good stand was obtained but below normal precipitation in May, June, and July put plants under severe moisture stress. For full season tests lack of soil moisture at seeding in the seeding zone prevented germination.