

Table 8. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 1998.

Brand/Cultivar	1998 bu/A	2-Yr. Avg.	3-Yr. Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Early Maturing Cultivars (RM 4.7 or Less)</u>							
MPV 437NRR	30.6	.	.	9-06	1.0	2.0	25
Delta King 4860	30.0	28.7	26.5	9-10	1.0	2.3	27
HBK 4600	29.8	.	.	9-10	1.0	2.0	29
DynaGro 3463RR	29.7	.	.	9-09	1.0	2.3	33
Midland 8475	29.3	27.9	.	9-12	1.0	2.3	26
Willcross 2467N-RR	28.7	.	.	9-08	1.0	2.0	32
Delta Grow 4650 RR	28.3	25.9	.	9-12	1.0	5.0	29
TN 4-86	27.7	26.5	25.6	9-10	1.7	1.3	39
HyPerformer HY4540	27.5	26.1	26.1	9-11	1.0	2.7	27
Pioneer Variety 94B41	27.5	.	.	9-05	1.0	4.0	24
MPV 457NRR	27.5	.	.	9-07	1.0	3.7	28
NK Brand S46-W8	27.0	.	.	9-06	1.0	3.0	30
NK Brand 3474	26.2	26.3	.	9-11	1.3	4.0	34
Asgrow A4715	26.0	.	.	9-11	1.0	1.7	27
NK Brand S43-B5	25.2	27.0	.	9-03	1.0	4.7	27
NK Brand S46-44	25.0	24.7	.	9-09	1.0	3.3	28
Delta Grow 4710	24.9	24.6	.	9-16	1.3	1.3	33
SG 468RR	24.9	.	.	9-13	1.0	2.7	33
Asgrow A4604	24.1	.	.	9-07	1.0	5.0	29
Terral TV4664	23.1	26.3	.	9-05	1.0	5.0	28
Terral TV4666RR	22.9	21.4	.	9-06	1.0	1.7	31
Terra TS4792	22.9	.	.	9-12	1.7	1.0	38
Delta King 4762 RR	22.7	26.9	.	9-16	1.0	2.0	32
Triumph TR 4339RR	22.2	.	.	9-05	1.0	5.0	28
HBK 4755	22.0	24.2	.	9-05	1.0	5.0	27
Dixie 478	21.6	22.6	22.3	9-08	1.0	4.3	32
Williams 82	20.6	21.7	21.4	9-02	1.0	5.0	28
Grand mean	25.8	.	.	9-09	1.1	3.1	30
LSD (5%)	5.9	.	.	4	0.4	1.0	4
C.V. (%)	13.9	.	.	3	20.8	18.7	8

Table 8. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 1998, (continued).

Brand/Cultivar	1998 bu/A	2-Yr. Avg.	3-Yr. Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group IV Late Maturing Cultivars (RM 4.8 or 4.9)</u>							
Pioneer Variety 9492	29.1	.	.	9-10	1.0	2.3	28
Manokin	27.9	26.5	28.5	9-16	1.0	1.0	26
Asgrow A4922	27.9	.	.	9-12	1.3	3.3	32
Midland 8486	27.9	27.0	.	9-10	1.3	4.0	32
FFR 495	27.5	.	.	9-10	1.0	2.7	33
Pioneer Variety 9482	27.3	.	.	9-09	1.0	4.0	29
Hartz H4994RR	26.8	.	.	9-12	1.0	1.3	20
Delta King 4965 RR	26.4	.	.	9-10	1.0	2.3	27
AgriPro AP 4880	26.2	25.9	24.4	9-08	1.0	3.7	33
NK Brand RA452	24.9	.	.	9-13	1.7	1.0	39
Chesapeake	24.8	26.2	24.5	9-09	2.0	2.0	33
Pioneer Variety 94B81	24.5	.	.	9-07	1.7	4.0	33
TN 4-94	22.4	27.2	27.5	9-15	1.3	1.7	36
HBK 4890	22.2	21.4	.	9-07	1.0	5.0	28
SG 498RR	21.8	.	.	9-18	1.0	1.0	26
Terral TV4975	19.7	23.0	.	9-17	1.0	1.0	36
Riverside 490	18.0	.	.	9-15	1.0	1.0	35
EK 4998	17.2	.	.	9-12	1.0	1.3	17
Dyna-Gro 3495	17.0	19.2	20.9	9-11	2.3	1.0	37
Grand mean	24.2	.	.	9-12	1.2	2.3	30
LSD (5%)	5.8	.	.	3	0.6	0.9	4
C.V. (%)	14.4	.	.	3	30.8	24.2	8

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Brand/Cultivar	1998 bu/A	2-Yr. Avg.	3-Yr. Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V</u>							
UARK-5896	25.2	25.7	25.4	9-28	1.0	2.5	22
HBK 5990	24.5	26.7	.	9-28	1.0	4.0	18
Asgrow A5848	23.6	27.3	26.4	9-27	1.0	3.5	20
Asgrow A5959	23.6	26.5	.	9-23	1.0	2.5	19
Dixie X5501RR	23.5	.	.	9-27	1.0	3.5	20
FFR RT587	23.5	.	.	9-26	1.0	3.0	23
Delsoy 5500	23.3	24.6	.	9-22	1.0	2.0	21
Delta King 5995	23.3	25.0	.	9-21	1.0	1.5	22
Hartz Variety H5181RR	23.3	.	.	9-27	1.0	3.0	25
HBK 5149	23.3	.	.	9-17	1.0	4.5	21
EK 5398N	23.3	.	.	9-15	1.0	2.5	16
FFR 597	23.3	.	.	9-27	1.0	2.0	20
HyPerformer HY 574	23.0	23.6	23.5	9-25	1.0	1.5	22
S94-1956	23.0	.	.	9-17	1.0	4.5	16
Hartz Variety H5050	22.7	23.8	26.0	9-25	1.0	3.0	24
UARK-5798	22.7	23.1	.	9-25	1.0	4.0	23
HBK R5411	22.7	22.7	.	9-18	1.0	4.5	19
HBK R5588	22.7	.	.	9-22	1.0	4.5	18
Deltapine DP 5806RR	22.7	.	.	9-27	1.0	2.5	23
Terral TV 5466RR	22.4	.	.	9-19	1.0	5.0	19
Riverside 77	22.0	22.3	21.5	9-27	1.0	3.0	24
V91-3036	21.8	24.4	.	9-24	1.0	2.0	21
NK Brand S59-60	21.7	23.6	22.9	9-26	1.0	3.0	20
Caviness	21.7	25.9	.	9-17	1.0	5.0	21
Delsoy 5710	21.7	.	.	9-26	1.0	4.0	25
Asgrow A5944	21.4	25.3	25.4	9-27	1.0	4.0	22
SG 597RR	21.4	.	.	9-25	1.0	3.5	33
Asgrow A5547	21.1	26.2	24.4	9-25	1.0	5.0	18
Asgrow A5704	21.1	.	.	9-21	1.0	1.5	17
Willcross 2517RR	21.1	.	.	9-17	1.0	3.5	18
Delta King 5850	20.8	24.7	25.1	9-22	1.0	2.5	17

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<u>Maturity Group V continued</u>							
Terral TV5797	20.8	21.8	22.0	9-21	1.0	3.0	22
NK Brand S59-V6	20.8	23.7	.	9-25	1.0	3.0	20
HBK R5884	20.8	.	.	9-27	1.0	3.5	21
Asgrow A5843	20.5	23.6	22.2	9-25	1.0	3.5	19
NK Brand S57-11	20.5	21.9	22.5	9-20	1.0	1.5	19
AgriPro AP 572 STS	20.5	21.9	.	9-26	1.0	2.5	19
DEKALB CX570c	20.5	21.2	.	9-22	1.0	3.0	23
HBK X571-98	20.5	.	.	9-19	1.0	5.0	21
FFR RT557	20.5	.	.	9-20	1.0	4.5	20
Dyna-Gro 3576	20.2	19.5	20.2	9-21	1.0	3.5	17
Riverside Robin-5	20.2	22.8	24.9	9-26	1.0	3.0	16
Deltapine DP 5644RR	20.1	.	.	9-21	1.0	2.0	24
Buckshot 55	19.9	23.2	23.2	9-21	1.0	2.5	21
Deltapine DP 5960RR	19.9	.	.	9-24	1.0	1.5	26
MPV 537NRR	19.9	.	.	9-18	1.0	4.5	21
Terral TV5666RR	19.8	23.2	23.5	9-21	1.0	4.5	19
Triumph TR 5409RR	19.5	.	.	9-17	1.0	4.5	19
Hartz Variety HLA 572	19.5	20.8	.	9-27	1.0	2.0	24
R93-174	19.5	.	.	9-25	1.0	4.5	23
FFR RT517	19.5	.	.	9-14	1.0	5.0	19
Terral TVX 5266RR	19.3	.	.	9-15	1.0	3.5	18
Terral TV5495	19.2	21.7	22.8	9-27	1.0	2.5	23
AgriPro AP 588RR	19.2	21.8	.	9-24	1.0	1.0	25
Essex RSV1	19.2	.	.	9-11	1.0	5.0	13
HBK 5991	19.0	.	.	9-24	1.0	2.0	24
Deltapine DP 5354	18.9	21.1	.	9-16	1.0	5.0	24
HBK R5404	18.9	.	.	9-16	1.0	4.0	21
Pioneer Variety 9594	18.6	20.7	21.1	9-23	1.0	2.5	22
Midland 8530	18.6	21.3	.	9-16	1.0	2.5	15

Delta Grow 5710	18.6	22.0	.	9-20	1.0	2.5	18
Delta King 5263 RR	18.6	20.4	.	9-14	1.0	3.5	18

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Brand/Cultivar	1998 bu/A	2-Yr. Avg.	3-Yr. Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V continued</u>							
Hartz Variety HX5013RR	18.6	.	.	9-22	1.0	3.0	21
DEKALB CX553c	18.6	.	.	9-15	1.0	3.0	16
TN 5-95	18.3	20.7	20.9	9-16	1.0	3.5	23
V90-1012	18.3	19.2	.	9-18	1.0	4.5	17
SF 567 RR	18.3	21.8	.	9-19	1.0	5.0	21
Pioneer Variety 95B41	18.3	.	.	9-19	1.0	4.0	21
Hutcheson	18.0	21.9	21.4	9-19	1.0	4.0	18
Pioneer Variety 9552	18.0	20.4	19.6	9-16	1.0	4.0	17
AgriPro AP 543RR	18.0	23.8	.	9-20	1.0	5.0	17
Delta Grow 5858RR	18.0	19.4	.	9-22	1.0	3.0	19
NK Brand S53-Q7	18.0	.	.	9-19	1.0	4.5	18
HBK 5770	17.6	20.8	.	9-24	1.0	1.5	22
EK 5498	17.6	.	.	9-18	1.0	5.0	17
Crowley	17.0	20.6	22.1	9-25	1.0	2.0	26
Hartz Variety H5999RR	17.0	.	.	9-26	1.0	1.5	20
Delta King 5664 RR	16.8	21.3	.	9-24	1.0	5.0	19
Terral TV 5926	16.7	20.7	.	9-26	1.0	1.0	22
SG 567RR	16.5	.	.	9-21	1.0	2.0	22
Essex	16.5	.	.	9-12	1.0	5.0	14
Riverside 549	16.1	20.5	22.4	9-23	1.0	1.5	19
NK Brand S51-00	16.1	18.1	16.1	9-16	1.0	5.0	31
Pioneer Variety 95B71	16.1	.	.	9-25	1.0	2.5	18
Accomac	15.8	19.3	19.9	9-21	1.0	4.0	20
Delta King 5961 RR	15.5	20.8	22.2	9-28	1.0	4.0	23
Terral TV 5866RR	15.5	.	.	9-26	1.0	3.0	15
V89-805	15.5	.	.	9-18	1.0	4.0	15
Delta Grow 5330	14.9	18.7	.	9-19	1.0	3.0	14

NK Brand S51-T1	14.9	.	.	9-15	1.0	5.0	34
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Table 8. Performance of Nonirrigated Soybean Cultivars, Cotton Branch Station, Marianna, AR, 1998, (continued).

Brand/Cultivar	1998 bu/A	2-Yr. Avg.	3-Yr. Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group V continued</u>							
Deltapine DP 3588	14.3	21.1	21.9	9-26	1.0	3.5	27
Riverside 520	14.0	.	.	9-26	1.0	3.0	37
Riverside 529I	13.1	17.1	18.0	9-21	1.0	5.0	38
Grand mean	19.7	.	.	9-22	1.0	3.4	21
LSD (5%)	4.9	.	.	3	ns	1.2	4
C.V. (%)	12.5	.	.	2		17.7	9
<u>Maturity Group VI</u>							
R92-1258	21.3	22.9	.	9-28	1.0	3.3	25
Hartz Variety H6191	20.5	23.0	24.9	10-13	1.0	1.3	21
Pioneer Variety 96B01	17.8	.	.	9-27	1.0	1.7	24
NK Brand S62-62	17.6	20.0	23.6	9-28	1.0	1.7	22
Musen	15.9	19.5	23.2	10-22	1.0	1.7	28
SGA Boggs	15.9	18.2	.	10-10	1.0	2.0	21
Cache	15.7	18.2	20.7	9-30	1.0	2.0	24
Pioneer Variety 9692	15.3	19.3	26.1	10-18	1.0	1.7	28
TN 6-90	15.1	17.7	22.3	10-06	1.0	1.3	25
SG 617RR	15.1	.	.	9-26	1.0	1.0	27
SG 678RR	15.1	.	.	10-16	1.0	1.3	27
Pioneer Variety 9611	14.5	16.5	21.8	9-27	1.0	2.7	24
Asgrow A6297	14.4	18.7	23.4	9-28	1.0	1.0	21
HBK 6600	14.0	.	.	10-12	1.0	1.3	28
Dillon	13.8	16.6	21.0	9-28	1.0	2.7	23

Buckshot 66	13.4	20.6	24.3	10-22	1.0	2.0	31
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Brand/Cultivar	1998 bu/A	2-Yr. Avg.	3-Yr. Avg.	Maturity Date	Lodging Score	Shatter Score	Plant Ht(in)
<u>Maturity Group VI continued</u>							
HBK 6800	13.2	.	.	10-11	1.0	2.0	29
Riverside 678	10.3	14.8	19.3	10-15	1.0	2.7	31
Davis	9.1	10.7	17.2	10-02	1.0	2.3	27
Grand mean	15.2	.	.	10-07	1.0	1.9	26
LSD (5%)	5.0	.	.	4	ns	0.9	4
C.V. (%)	20.0	.	.	2		30.4	8

Soil Type.....Calloway silt loam
 Row Width.....38 inches
 Previous Crop.....Soybean
 Fertilizer Applied.....170 lb./A 0-23-30, 4-09-98
 Lime Applied.....None
 Planting Date.....5-15-98
 Herbicide Applications.....1.5 pt./A Treflan, 5-15-98; 0.75 pt./A Storm, 6-01-98; 0.75 pt./A Fusilade,
 6-26-98
 Cultivation Dates.....5-27-98, 6-12-98, 7-06-98, 7-20-98
 Harvest Dates.....Group IV Early: 9-23-98
 Group IV Late: 9-23-98
 Group V: 10-15-98
 Group VI: 10-26-98

Precipitation (inches)

	April	May	June	July	August	September	October	Total
1998	4.7	1.4	1.6	2.6	1.7	1.6	2.6	16.2
Average	5.4	5.2	3.4	4.0	2.8	4.0	3.0	27.8
Departure	-0.7	-3.8	-1.8	-1.4	-1.1	-2.4	-0.4	-11.6