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Performance of Soybean Varieties in Alabama, 1997

TABLE OF CONTENTS

	<i>Page</i>
INTRODUCTION	1
EXPERIMENTAL PROCEDURES	1
SEASONAL CONDITIONS	1
COMPARING VARIETIES	1
ACKNOWLEDGMENTS	2
Table 1. Cultural Practices for Soybean Variety Tests in 1997	3
Table 2. Soil Types for Soybean Tests, 1997	3
Table 3. Rainfall at Test Locations During Growing Season, 1997	4
Table 4. Performance of Soybean Varieties in Northern Alabama, 1997	5
Table 5. Performance of Soybean Varieties in Northern Alabama, 3-year Summary, 1995-97	6
Table 6. Performance of Soybean Varieties at Prattville, Alabama, 1997	7
Table 7. Performance of Soybean Varieties at Prattville, Alabama, 3-year Summary, 1995-97	8
Table 8. Performance of Soybean Varieties on Sumter Soil, Marion Junction, Alabama, 1997	9
Table 9. Performance of Soybean Varieties on Sumter Soil, Marion Junction, Alabama, 3-year Summary, 1995-97	10
Table 10. Performance of Soybean Varieties on Vaiden Soil, Marion Junction, Alabama, 1997	11
Table 11. Performance of Soybean Varieties on Vaiden Soil, Marion Junction, Alabama, 3-year Summary, 1995-97	12
Table 12. Performance of Soybean Varieties at Brewton, Alabama, 1997	13
Table 13. Performance of Soybean Varieties at Brewton, Alabama, 3-year Summary, 1995-97	14
Table 14. Performance of Soybean Varieties at Fairhope, Alabama, 1997	15
Table 15. Performance of Soybean Varieties at Fairhope, Alabama, 3-year Summary, 1995-97	16
Table 16. Performance of Soybean Varieties at Shorter, Alabama, 1997	17
Table 17. Performance of Early Planted Soybean Varieties at Brewton, Alabama, 1997	18
Table 18. Performance of Soybean Varieties in Preliminary Tests, 1997	18
Table 19. Entries and Sources for 1997	19

*Information contained herein is available to all persons
regardless of race, color, sex, or national origin.*

PERFORMANCE OF SOYBEAN VARIETIES IN ALABAMA, 1997

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INTRODUCTION

Soybean variety tests are conducted annually by the Alabama Agricultural Experiment Station. The eight locations used represent the major soil and climatic regions of Alabama. These locations are divided into logical soybean growing regions. The regions and locations are:

<u>Region</u>	<u>Location</u>
Northern	Belle Mina, Crossville
Central	Prattville, Shorter
Southern	Brewton, Monroeville
Black Belt	Marion Junction (two soils)
Gulf Coast	Fairhope

EXPERIMENTAL PROCEDURES

The standard tests were designed as a randomized complete block with four replications. Plot size was four 30- to 36-inch rows 20 feet long. Sixteen feet of the middle two rows were harvested for yield. Seeding rate was 10 viable seeds per foot of row. The early date test was arranged in an incomplete lattice square design with four replications.

Data were collected on seed yield, moisture, lodging, shattering, plant height, and maturity date. Plot yields were adjusted to 13 percent moisture and converted to bushels (60 pounds) per acre.

Lodging was scored on a scale of 1 to 5 as follows:

- 1 - almost all plants erect;
- 2 - either all plants leaning slightly (less than 45°) or a few plants down;
- 3 - either all plants leaning moderately (approximately 45°) or 25 to 50 percent of the plants down;
- 4 - either all plants leaning more than 45° or 50 to 80 percent of the plants down;
- 5 - more than 80 percent of the plants down.

Shattering was rated on a scale of 1 to 5 based on performance of the border row 14 days after maturity. A rating of 1 indicates no shattering, a rating of 3 indicates a four to eight percent shattering, and a rating of five is 20 percent or more shattering. Plant height was determined by measuring from the ground to the top of the plant at maturity. Maturity date was the day 95 percent of the pods reached mature pod color. Harvest was approximately seven to 10 days later.

SEASONAL CONDITIONS

In 1995, all standard tests were planted at normal planting dates. In 1996, rainfall delayed all planting dates but yields were good for all tests. Rainfall for 1997 is shown in Table 3. In 1997, all standard tests were planted later than normal. The normal planting dates for full season plantings in the regular tests are the first week in May, May 15-25, and May 25 to June 5 for northern, central, and southern Alabama locations, respectively.

COMPARING VARIETIES

To aid in determining real yield differences, a statistical analysis of variance is performed on the data from each location. The L.S.D. (least significant difference) and C.V. (coefficient of variation) are given for each location's 1997 test, and for the location's or region's two- and three-year averages. The difference in yield of two varieties must exceed the L.S.D. value for one variety to be considered superior to the others in yield in that particular test. The C.V. is a measure of the variability in an experiment. An increase in its value indicates an increase in the unexplained variability.

Since the performance of varieties varies with location and year, long-term averages from several locations are more reliable than one-year performance. Three-year regional averages are considered a reliable evaluation of the relative performance of varieties.

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Appreciation is expressed to the following station superintendents and their staffs. It is their quality work that makes this report a reliable source of information for farmers in their areas.

Tennessee Valley Substation, Belle Mina	B.E. Norris, Superintendent H.E. Burgess
Sand Mountain Substation, Crossville	R.A. Dawkins, Superintendent M.E. Ruf
Prattville Experiment Field, Prattville	D.P. Moore, Superintendent
E. V. Smith Research Center Field Crops Research Unit, Shorter	J.S. Bannon, Director R.M. Durbin, Supervisor
Black Belt Substation, Marion Junction	J.L. Holliman, Superintendent
Monroeville Experiment Field, Monroeville	J.R. Akridge, Superintendent
Brewton Experiment Field, Brewton	J.R. Akridge, Superintendent
Gulf Coast Substation, Fairhope	N.R. McDaniel, Superintendent M.D. Pegues

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TABLE 1. CULTURAL PRACTICES FOR SOYBEAN VARIETY TESTS IN 1997

Location	Type test	Date planted	Row width	Herbicide used	Fertilizer applied
Belle Mina	Standard	May 22	30	Treflan	none recommended
	Preliminary	May 22	30	Treflan	none recommended
Crossville	Standard	May 13	30	Scepter, Dual	100 lb. 0-45-0/acre + 60 lb. 0-0-60/acre
Prattville	Standard	May 27	30	Prowl	none recommended
	Preliminary	May 27	30	Prowl	none recommended
Shorter	Standard	May 23	30	Dual	none recommended
Marion Junction	Standard (Sumter)	May 22	36	Prowl, Gramoxone	none recommended
	Standard (Vaiden)	May 26	36	Prowl, Scepter	100 lb. 0-45-0/acre
Brewton	Early	May 8	36	Trifluralin, Vernam	400 lb. 5-10-15/acre
	Standard	June 10	36	Trifluralin, Vernam	none recommended
Monroeville	Preliminary	June 11	36	Trifluralin, Lexone	300 lb. 0-20-20/acre
Fairhope	Standard	June 9	30	Dual	252 lb. 0-31-15/acre

TABLE 2. SOIL TYPES FOR SOYBEAN TESTS, 1997

Test location	Soil type
Belle Mina	Emory silt loam
Crossville	Wynnvil fine sandy loam
Prattville	Lucedale fine sandy loam
Shorter	Norfolk sandy loam
Marion Junction	Vaiden clay
Marion Junction	Sumter clay
Monroeville	Lucedale loam
Brewton	Benndale fine sandy loam
Fairhope	Malbis fine sandy loam

TABLE 3. RAINFALL AT TEST LOCATIONS DURING GROWING SEASON, 1997

Month	Days	Marion							
		Belle Mina	Crossville	Shorter	Prattville	Junction	Brewton	Monroeville	Fairhope
		In.	In.	In.	In.	In.	In.	In.	In.
May	1-5	1.50	4.78	1.12	1.17	0.76	0.17	0.00	0.21
	6-10	0.03	0.25	0.00	0.00	0.00	0.00	0.00	0.00
	11-15	0.01	0.14	0.00	0.00	0.00	0.00	0.00	0.04
	16-20	0.20	0.00	0.25	0.15	0.33	1.24	2.42	1.26
	21-25	0.35	1.39	0.00	0.49	0.64	1.51	2.11	2.17
	26-31	<u>1.52</u>	<u>2.02</u>	<u>2.14</u>	<u>1.15</u>	<u>3.02</u>	<u>1.28</u>	<u>3.02</u>	<u>4.28</u>
		3.61	8.58	3.51	3.32	4.75	4.20	7.55	7.96
June	1-5	2.44	1.41	0.97	0.97	1.29	0.57	0.98	1.88
	6-10	0.58	1.41	0.23	0.23	0.55	0.03	0.13	0.90
	11-15	0.73	2.27	0.12	0.76	0.00	0.15	0.00	0.32
	16-20	1.09	2.40	1.62	2.42	2.95	1.01	2.02	0.73
	21-25	1.04	0.49	1.40	0.89	1.37	2.25	0.49	0.94
	26-30	<u>0.62</u>	<u>0.33</u>	<u>1.18</u>	<u>1.53</u>	<u>6.31</u>	<u>2.09</u>	<u>1.88</u>	<u>1.11</u>
		6.50	8.31	5.52	6.80	12.47	6.10	5.50	5.88
July	1-5	1.00	0.43	0.93	0.00	0.15	0.13	0.00	0.06
	6-10	0.35	0.13	0.75	0.00	0.68	0.32	0.47	0.91
	11-15	0.08	0.00	0.00	0.23	0.00	.05	0.07	0.93
	16-20	0.00	1.62	0.00	0.37	0.84	0.66	0.12	20.50
	21-25	0.25	0.88	0.71	1.74	1.33	1.03	1.54	4.79
	26-31	<u>0.01</u>	<u>0.27</u>	<u>0.00</u>	<u>0.69</u>	<u>2.22</u>	<u>0.28</u>	<u>0.49</u>	<u>1.39</u>
		1.69	3.33	2.39	3.03	5.22	2.47	2.69	28.58
August	1-5	0.16	0.08	0.32	0.03	0.00	1.26	0.00	0.13
	6-10	2.25	1.46	0.00	0.59	0.31	0.54	0.31	0.22
	11-15	0.41	0.56	2.42	1.88	0.15	0.19	0.00	0.06
	16-20	0.85	0.18	0.72	0.82	0.45	0.61	1.33	0.00
	21-25	0.18	0.07	0.42	0.04	0.70	0.04	0.00	0.84
	26-31	<u>0.17</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
		4.02	2.35	3.88	3.36	1.61	2.64	1.64	1.25
September	1-5	0.00	0.01	1.21	0.11	0.30	0.00	0.07	0.46
	6-10	0.79	1.02	0.30	0.54	0.50	0.04	0.38	0.00
	11-15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	16-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	21-25	4.95	4.64	0.08	0.20	2.60	0.52	0.14	0.50
	26-30	<u>0.11</u>	<u>1.82</u>	<u>1.67</u>	<u>1.38</u>	<u>0.85</u>	<u>1.26</u>	<u>0.24</u>	<u>0.33</u>
		5.85	7.49	3.26	2.23	4.25	1.82	0.83	1.29
October	1-5	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.00
	6-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	11-15	2.23	0.58	0.10	0.50	1.60	0.38	0.18	2.32
	16-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	21-25	1.82	2.04	1.67	1.42	1.83	2.48	1.48	2.05
	26-31	<u>3.58</u>	<u>4.22</u>	<u>1.24</u>	<u>2.38</u>	<u>0.71</u>	<u>0.98</u>	<u>1.02</u>	<u>0.51</u>
		7.63	6.84	3.01	4.30	4.14	3.84	3.55	4.88

TABLE 4. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 1997

Brand-variety	Yield per acre		Regional average			
	Belle Mina	Crossville	Lodging	Shattering	Plant height	Maturity date
	Bu.	Bu.	Score	Score	In.	
Maturity Group IV						
TN 4-94	30.2	40.4	1.3	3.0	31	9-17
TN 4-86	29.3	32.8	1.1	2.3	32	9-15
Dyna-Gro 3495	25.5	28.4	2.0	3.0	35	9-18
Riverside 499	21.6	27.3	2.0	3.0	35	9-16
UAP X0063	21.2	35.0	1.0	1.8	29	9-15
Maturity Group V						
Asgrow A 5959	34.4	40.2	1.8	1.0	29	9-26
Pioneer 9594	33.4	37.2	1.9	1.0	32	10-1
Asgrow A 5944	32.8	38.4	2.0	1.0	31	10-1
Pioneer 9552	32.3	37.5	1.0	1.0	26	9-21
Deltapine DP 3519	31.9	35.9	1.4	1.0	30	9-20
Holladay	31.7	39.0	1.1	1.0	25	9-19
Hartz H5488	31.4	33.4	2.8	1.0	31	9-30
Hartz H5050	31.3	38.1	1.8	1.0	36	9-30
Hartz H5218	30.8	37.5	1.9	1.0	31	9-25
Pioneer 9584	30.4	36.5	1.5	1.0	32	9-27
AgriPro HY574	30.1	31.4	2.5	1.0	32	9-29
Clifford	29.4	34.6	2.8	1.3	29	9-21
Hutcheson	29.3	38.7	1.4	1.0	27	9-26
Riverside Robin-5	28.9	33.9	1.3	1.0	24	9-30
Deltapine DP 3588	28.7	28.7	1.6	1.0	34	9-29
Riverside 77	28.4	35.8	2.8	1.0	32	10-2
TN 5-95	27.6	32.5	1.8	1.0	29	9-22
Dyna-Grow 3576	26.3	36.2	2.1	1.0	27	10-1
Riverside 549	26.2	33.1	1.1	1.0	27	9-27
Riverside 529I	24.9	27.7	2.5	1.3	34	9-20
Maturity Group VI						
Musen	34.4	32.9	2.3	1.0	35	10-14
Pioneer 9692	33.0	37.9	2.4	1.0	33	10-13
Dillon	32.3	38.0	1.5	1.0	32	10-3
Hartz H6104	32.0	36.8	1.6	1.0	31	10-1
Dyna-Gro 3682	31.7	34.5	3.0	1.0	35	10-14
Pioneer 9631	30.8	35.4	2.8	1.0	33	10-7
Centennial	30.1	28.9	2.0	1.0	34	10-13
Riverside 699	29.6	33.6	2.0	1.0	35	10-10
Doles	29.5	32.5	1.9	1.0	30	10-12
Brim	28.3	35.1	2.3	1.0	35	10-5
Young	27.8	31.8	3.0	1.0	34	10-2
Riverside 678	26.2	33.6	2.8	1.0	36	10-13
Maturity Group VII						
Benning	35.0	38.1	2.6	1.0	35	10-16
Stonewall	29.9	34.3	2.5	1.0	34	10-13
Carver	29.1	40.4	1.1	1.0	34	10-7
Braxton	27.9	39.2	1.5	1.0	37	10-16
Haskell	27.7	33.3	3.3	1.0	35	10-14
<i>Test means</i>	29.6	34.9	2.0	1.2	32	
<i>L.S.D. (.05)</i>	5.7	5.8				
<i>C.V. (%)</i>	13.7	11.9				

TABLE 5. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 3-YEAR SUMMARY, 1995-97

Brand-variety	Yield Per Acre			3-year average			
	1997	2-yr. av.	3-yr. av.	Lodging	Shattering	Plant height	Maturity date
	Bu.	Bu.	Bu.	Score	Score	In.	
Maturity Group IV							
TN 4-94	35.3	39.4	35.9	1.4	1.8	36	9-24
Dyna-Gro 3495	26.9	33.1	34.2	2.3	1.5	39	9-25
Riverside 499	24.5	32.5	33.2	2.1	1.6	40	9-22
TN 4-86	31.0	35.1	32.4	1.4	1.5	36	9-19
UAP X0063	28.1	-	-	-	-	-	-
Maturity Group V							
Pioneer 9584	33.4	43.0	43.5	1.6	1.0	34	10-1
Hutcheson	34.0	39.8	41.4	1.5	1.1	30	9-30
AgriPro HY574	30.7	39.3	40.7	2.1	1.1	34	10-3
Dyna-Grow 3576	31.2	37.9	39.9	2.2	1.1	30	10-3
Holladay	35.3	38.1	39.8	1.1	1.2	26	9-26
Clifford	32.0	37.9	38.2	2.0	1.3	29	9-29
Riverside 549	29.7	36.6	38.0	1.7	1.0	30	10-1
Hartz H5218	34.2	41.7	-	-	-	-	-
Pioneer 9552	34.9	41.5	-	-	-	-	-
Hartz H5050	34.7	41.2	-	-	-	-	-
Riverside Robin-5	31.4	41.2	-	-	-	-	-
Pioneer 9594	35.3	41.1	-	-	-	-	-
Riverside 77	32.1	38.1	-	-	-	-	-
Deltapine DP 3588	28.7	36.9	-	-	-	-	-
Asgrow A 5959	37.3	-	-	-	-	-	-
Asgrow A 5944	35.6	-	-	-	-	-	-
Deltapine DP 3519	33.9	-	-	-	-	-	-
Hartz H5488	32.4	-	-	-	-	-	-
TN 5-95	30.1	-	-	-	-	-	-
Riverside 529I	26.3	-	-	-	-	-	-
Maturity Group VI							
Pioneer 9692	35.4	45.4	43.9	1.7	1.0	36	10-18
Dillon	35.2	41.4	43.6	1.4	1.0	37	10-9
Doles	31.0	39.9	41.1	1.8	1.1	35	10-15
Brim	31.7	37.3	40.5	1.8	1.0	37	10-10
Dyna-Gro 3682	33.1	41.5	39.8	2.6	1.0	38	10-19
Young	29.8	37.1	38.4	2.5	1.1	38	10-9
Pioneer 9631	33.1	39.1	-	-	-	-	-
Hartz H6104	34.4	-	-	-	-	-	-
Musen	33.7	-	-	-	-	-	-
Riverside 699	31.6	-	-	-	-	-	-
Riverside 678	29.9	-	-	-	-	-	-
Centennial	29.5	-	-	-	-	-	-
Maturity Group VII							
Stonewall	32.1	39.2	39.9	2.3	1.0	37	10-18
Carver	34.8	41.9	39.4	1.5	1.0	37	10-15
Braxton	33.5	39.5	36.6	1.7	1.0	41	10-21
Haskell	30.5	37.4	36.4	2.7	1.0	38	10-20
Benning	36.5	-	-	-	-	-	-
<i>Test means</i>	32.3	39.1	38.9	1.9	1.1	35	
<i>L.S.D. (.05)</i>	5.7						
<i>C.V. (%)</i>	12.7						

The planting date for one-year, two-year, and three-year averages was May 12, May 12, and May 17, respectively.

TABLE 6. PERFORMANCE OF SOYBEAN VARIETIES AT PRATTVILLE, ALABAMA, 1997

Brand-variety	Yield per acre <i>Bu.</i>	Average		Plant height <i>In.</i>	Maturity date
		Lodging <i>Score</i>	Shattering <i>Score</i>		
Maturity Group V					
Clifford	42.4	1.0	1.0	27	9-14
Holladay	39.3	1.0	1.0	22	9-9
Deltapine DP 3519	38.1	1.0	1.0	24	9-11
Hutcheson	37.6	1.0	1.0	25	9-12
TN 5-95	36.5	1.0	1.0	24	9-9
Deltapine DP 3588	34.8	1.0	1.0	33	9-17
Dyna-Grow 3576	33.9	1.0	1.0	24	9-13
AgriPro HY574	32.2	1.0	1.0	29	9-16
Maturity Group VI					
Young	30.8	1.0	1.0	30	9-22
Pioneer 9631	29.0	1.0	1.0	29	9-20
Deltapine DPX 3640	26.3	1.0	1.0	35	9-23
Pioneer 9692	25.6	1.0	1.0	32	10-1
Hy Performer HY 663	24.2	1.0	1.0	33	9-16
Brim	23.5	1.0	1.0	35	9-21
Deltapine DPX 3681	20.2	1.0	1.0	33	10-2
Dillon	19.5	1.0	1.0	31	9-27
Musen	19.4	1.0	1.0	30	10-7
Bryan	17.2	1.0	1.0	33	10-8
Maturity Group VII					
Benning	21.3	1.0	1.0	33	10-5
Carver	19.7	1.0	1.0	31	9-29
Pioneer 9761	18.4	1.0	1.0	35	10-5
Haskell	18.1	1.0	1.0	31	10-4
Stonewall	18.0	1.0	1.0	33	10-4
Thomas	17.5	1.0	1.0	33	10-9
Deltapine 3733	16.4	1.0	1.0	33	10-2
Pioneer 97B61	15.3	1.0	1.0	35	10-8
<i>Test means</i>	26.0	1.0	1.0	30	
<i>L.S.D. (.05)</i>	6.6				
<i>C.V. (%)</i>	17.9				

TABLE 7. PERFORMANCE OF SOYBEAN VARIETIES AT PRATTVILLE, ALABAMA, 3-YEAR SUMMARY, 1995-97

Brand-variety	Yield Per Acre			3-year average			
	1997	2-yr. av.	3-yr. av.	Lodging	Shattering	Plant height	Maturity date
	Bu.	Bu.	Bu.	Score	Score	In.	
Maturity Group V							
Clifford	42.4	43.8	35.5	1.0	1.7	20	9-28
Deltapine DP 3588	34.8	37.4	32.1	1.0	1.1	27	10-4
Holladay	39.3	34.3	30.6	1.0	1.6	18	9-26
Hutcheson	37.6	35.4	30.5	1.0	1.0	20	9-30
AgriPro HY574	32.2	33.6	28.8	1.0	1.0	22	10-2
Deltapine DP 3519	38.1	35.2	-	-	-	-	-
TN 5-95	36.5	-	-	-	-	-	-
Dyna-Grow 3576	33.9	-	-	-	-	-	-
Maturity Group VI							
Young	30.8	40.1	36.0	1.0	1.1	26	10-7
Pioneer 9692	25.6	40.0	35.9	1.0	1.0	27	10-13
Brim	23.5	35.7	32.6	1.0	1.4	28	10-8
Dillon	19.5	29.0	27.8	1.0	1.1	25	10-9
Bryan	17.2	30.2	27.2	1.0	1.0	27	10-15
Deltapine DPX 3640	26.3	41.4	-	-	-	-	-
Pioneer 9631	29.0	40.8	-	-	-	-	-
Deltapine DPX 3681	20.2	37.1	-	-	-	-	-
Hy Performer HY 663	24.2	-	-	-	-	-	-
Musen	19.4	-	-	-	-	-	-
Maturity Group VII							
Carver	19.7	35.8	32.4	1.0	1.0	26	10-11
Pioneer 9761	18.4	34.8	31.7	1.0	1.0	30	10-17
Stonewall	18.0	31.8	29.2	1.0	1.0	27	10-17
Thomas	17.5	31.1	28.6	1.0	1.0	27	10-19
Deltapine 3733	16.4	31.7	28.6	1.0	1.0	28	10-15
Haskell	18.1	28.9	27.5	1.3	1.0	27	10-22
Benning	21.3	-	-	-	-	-	-
Pioneer 97B61	15.3	-	-	-	-	-	-
<i>Test means</i>	26.0	35.4	30.9	1.0	1.1	25	
<i>L.S.D. (.05)</i>	6.6						
<i>C.V. (%)</i>	17.9						

The planting date for one-year, two-year, and three-year averages was May 31, May 30, and May 27, respectively.

TABLE 8. PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA, 1997

Brand-variety	Yield per acre	Lodging <i>Score</i>	Shattering <i>Score</i>	Average		Maturity date
				Plant height <i>In.</i>	Iron chlorosis* <i>Rating</i>	
Maturity Group V						
Hartz H5050	32.9	-	-	26	1.25	9-24
Hutcheson	30.9	-	-	23	-	9-24
AgriPro HY574	30.9	-	-	21	1.50	9-24
Deltapine DP 3588	29.6	-	-	30	1.50	9-24
Maturity Group VI						
Hy Performer HY 663	29.3	-	-	27	1.38	9-24
Pioneer 9692	26.8	-	-	26	1.00	10-11
Hartz H6104	26.4	-	-	22	1.50	9-24
Pioneer 9631	25.8	-	-	27	1.63	9-24
Brim	25.5	-	-	33	1.50	9-24
Dillon	24.7	-	-	27	2.00	9-24
Hartz H6191	24.2	-	-	20	1.25	10-2
Deltapine DPX 3681	23.8	-	-	27	1.50	10-6
Deltapine DPX 3640	23.6	-	-	27	1.88	9-24
Young	23.4	-	-	26	1.88	9-24
Bryan	19.8	-	-	22	3.75	10-23
Musen	19.5	-	-	26	2.00	10-7
Maturity Group VII						
Stonewall	31.5	-	-	28	1.00	10-8
Pioneer 9761	28.4	-	-	28	1.25	10-23
Thomas	27.4	-	-	26	1.00	10-23
Benning	27.3	-	-	32	1.00	10-23
Deltapine 3733	26.5	-	-	22	1.00	10-8
Carver	24.9	-	-	26	1.00	10-2
Haskell	23.2	-	-	29	1.13	10-23
Hagood	22.1	-	-	38	3.13	10-23
Braxton	21.6	-	-	29	1.13	10-23
<i>Test means</i>	26.0	-	-	27	1.55	
<i>L.S.D. (.05)</i>	5.2					
<i>C.V. (%)</i>	14.1					

*Iron chlorosis ratings were 1 to 10; 1 = no chlorosis, 10 = plants losing leaves due to necrotic spots in leaves.

**TABLE 9. PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA,
3-YEAR SUMMARY, 1995-97**

Brand-variety	Yield per acre			3-year average			
	1997	2-yr. av.	3-yr. av.	Lodging	Shattering	Plant height	Maturity date
	<i>Bu.</i>	<i>Bu.</i>	<i>Bu.</i>	<i>Score</i>	<i>Score</i>	<i>In.</i>	
Maturity Group V							
AgriPro HY574	30.9	32.1	26.2	1.0	1.5	21	10-3
Deltapine DP 3588	29.6	24.6	21.6	1.0	1.4	24	10-8
Hartz H5050	32.9	30.6	-	-	-	-	-
Hutcheson	30.9	-	-	-	-	-	-
Maturity Group VI							
Dillon	24.7	27.4	24.5	1.0	1.9	24	10-7
Pioneer 9692	26.8	27.5	24.3	1.0	1.0	23	10-17
Young	23.4	26.9	23.4	1.1	2.8	26	10-6
Brim	25.5	19.6	17.7	1.0	2.5	24	10-6
Bryan	19.8	12.0	11.1	1.0	1.0	19	10-24
Hy Performer HY 663	29.3	32.9	-	-	-	-	-
Hartz H6104	26.4	31.3	-	-	-	-	-
Hartz H6191	24.2	30.2	-	-	-	-	-
Deltapine DPX 3640	23.6	30.0	-	-	-	-	-
Pioneer 9631	25.8	25.4	-	-	-	-	-
Deltapine DPX 3681	23.8	25.1	-	-	-	-	-
Musen	19.5	-	-	-	-	-	-
Maturity Group VII							
Pioneer 9761	28.4	34.0	31.0	1.1	1.0	27	10-22
Stonewall	31.5	36.8	29.8	1.0	1.0	25	10-19
Thomas	27.4	34.8	29.6	1.3	1.0	26	10-22
Haskell	23.2	30.2	26.6	1.9	1.0	28	10-24
Braxton	21.6	28.4	25.5	1.0	1.0	30	10-23
Deltapine 3733	26.5	29.8	25.0	1.0	1.0	22	10-17
Carver	24.9	29.9	24.9	1.1	1.6	25	10-14
Hagood	22.1	25.7	23.9	1.5	1.0	30	10-29
Benning	27.3	-	-	-	-	-	-
<i>Test means</i>	26.0	28.4	24.3	1.1	1.4	25	
<i>L.S.D. (.05)</i>	5.2						
<i>C.V. (%)</i>	14.1						

The planting date for one-year, two-year, and three-year averages was June 5, June 10, and May 22, respectively.

TABLE 10. PERFORMANCE OF SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, 1997

Brand-variety	Yield per acre <i>Bu.</i>	Average		Maturity date
		Lodging <i>Score</i>	Shattering <i>Score</i>	
Maturity Group V				
Hartz H5050	45.0	-	-	10-3
Deltapine DP 3519	38.9	-	-	9-24
AgriPro HY574	37.9	-	-	10-3
Clifford	37.8	-	-	9-24
Deltapine DP 3588	36.8	-	-	10-3
Hutcheson	33.7	-	-	9-24
Maturity Group VI				
Pioneer 9631	48.4	-	-	10-7
Bryan	46.5	-	-	10-20
Pioneer 9692	45.9	-	-	10-20
Hy Performer HY 663	45.1	-	-	10-16
Hartz H6104	43.6	-	-	10-7
Young	43.3	-	-	10-5
Dillon	41.7	-	-	10-7
Deltapine DPX 3640	41.6	-	-	10-7
Hartz H6191	39.7	-	-	10-23
Brim	39.1	-	-	10-3
Deltapine DPX 3681	36.9	-	-	10-17
Musen	34.3	-	-	10-20
Maturity Group VII				
Haskell	49.6	-	-	10-23
Pioneer 9761	47.9	-	-	10-20
Thomas	47.6	-	-	10-23
Carver	46.2	-	-	10-20
Stonewall	43.1	-	-	10-20
Deltapine 3733	37.4	-	-	10-20
Braxton	36.9	-	-	10-23
Hagood	36.5	-	-	10-23
Benning	35.0	-	-	10-23
<i>Test means</i>	41.3			23
<i>L.S.D. (.05)</i>	7.2			
<i>C.V. (%)</i>	2.4			

**TABLE 11. PERFORMANCE OF SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA,
3-YEAR SUMMARY, 1995-97**

Brand-variety	Yield per acre			3-year average			
	1997	2-yr. av.	3-yr. av.	Lodging	Shattering	Plant height	Maturity date
	Bu.	Bu.	Bu.	Score	Score	In.	
Maturity Group V							
AgriPro HY574	37.9	39.1	34.3	1.0	1.5	27	10-6
Deltapine DP 3588	36.8	38.2	34.2	1.0	1.5	27	10-8
Hutcheson	33.7	30.3	27.4	1.0	2.5	21	9-30
Clifford	37.8	32.4	25.0	1.0	3.3	22	9-29
Hartz H5050	45.0	41.1	-	-	-	-	-
Deltapine DP 3519	38.9	35.9	-	-	-	-	-
Maturity Group VI							
Pioneer 9692	45.9	43.3	40.2	1.0	1.0	27	10-18
Bryan	46.5	40.6	36.1	1.0	1.1	29	10-18
Dillon	41.7	40.1	35.5	1.0	1.9	28	10-10
Brim	39.1	35.8	34.7	1.0	2.3	26	10-9
Young	43.3	40.9	32.9	1.3	2.9	28	10-7
Pioneer 9631	48.4	46.1	-	-	-	-	-
Hy Performer HY 663	45.1	45.8	-	-	-	-	-
Hartz H6191	39.7	41.9	-	-	-	-	-
Deltapine DPX 3640	41.6	40.0	-	-	-	-	-
Deltapine DPX 3681	36.9	38.7	-	-	-	-	-
Hartz H6104	43.6	37.4	-	-	-	-	-
Musen	34.3	-	-	-	-	-	-
Maturity Group VII							
Haskell	49.6	47.4	41.1	1.3	1.0	29	10-23
Pioneer 9761	47.9	44.1	41.0	1.3	1.0	29	10-20
Stonewall	43.1	44.8	38.8	1.1	1.0	28	10-19
Carver	46.2	42.7	37.9	1.0	1.0	28	10-18
Thomas	47.6	41.8	36.8	1.0	1.0	29	10-23
Hagood	36.5	38.5	34.9	1.1	1.0	30	10-23
Braxton	36.9	38.1	34.8	1.0	1.0	29	10-23
Deltapine 3733	37.4	38.4	34.4	1.1	1.0	26	10-19
Benning	35.0	-	-	-	-	-	-
<i>Test means</i>	<i>41.3</i>	<i>40.1</i>	<i>35.3</i>	<i>1.1</i>	<i>1.5</i>	<i>27</i>	
<i>L.S.D. (.05)</i>	<i>7.2</i>						
<i>C.V. (%)</i>	<i>12.4</i>						

The planting date for one-year, two-year, and three-year averages was June 6, June 9, and May 26, respectively.

TABLE 12. PERFORMANCE OF SOYBEAN VARIETIES AT BREWTON, ALABAMA, 1997

Brand-variety	Yield per acre <i>Bu.</i>	Average			Maturity date
		Lodging <i>Score</i>	Shattering <i>Score</i>	Plant height <i>In.</i>	
Maturity Group V					
Clifford	29.5	1.0	-	27	9-18
Hutcheson	27.2	1.0	-	25	9-20
Holladay	27.0	1.0	-	21	9-15
Riverside 549	25.5	1.0	-	26	9-20
Dyna-Grow 3576	25.5	1.0	-	26	9-20
Riverside Robin-5	24.4	1.0	-	26	9-23
AgriPro HY574	23.8	1.0	-	31	9-21
Riverside 77	23.6	1.0	-	29	9-22
Deltapine DP 3588	20.8	1.0	-	34	9-21
TN 5-95	20.2	1.0	-	27	9-16
Maturity Group VI					
Hartz H6191	27.5	1.0	-	25	10-4
Pioneer 9631	22.7	1.0	-	31	9-30
Dillon	22.6	1.0	-	34	9-29
Dyna-Gro 3682	22.6	1.0	-	34	10-14
Musen	22.3	1.0	-	31	10-10
Hy Performer HY 663	22.2	1.0	-	32	10-3
Asgrow A 6711	22.0	1.0	-	28	10-9
Young	21.6	1.0	-	32	9-26
Deltapine DPX 3681	21.1	1.0	-	32	10-3
Bryan	21.0	1.0	-	35	10-11
Deltapine DPX 3640	20.3	1.0	-	32	9-30
Pioneer 9692	20.2	1.0	-	29	10-6
Riverside 699	19.9	1.0	-	32	10-4
Maturity Group VII					
Asgrow A 7986	24.6	1.0	-	37	10-24
Benning	24.5	1.0	-	31	10-12
Hagood	23.7	1.0	-	34	10-23
Pioneer 97B61	23.6	1.0	-	36	10-19
AgriPro AP 727	23.3	1.0	-	35	10-17
Hartz H 7440	22.3	1.0	-	37	10-13
Deltapine 3733	21.2	1.0	-	28	10-12
Pioneer 9761	21.0	1.0	-	31	10-16
Stonewall	19.9	1.0	-	32	10-12
Haskell	19.6	1.0	-	34	10-17
Carver	19.0	1.0	-	29	10-7
Maturity Group VIII					
Cook	24.6	1.0	-	35	10-23
AU 91-13	24.6	1.0	-	41	10-31
Hartz HX821280	24.3	1.0	-	40	10-31
Maxcy	23.1	1.0	-	34	10-29
<i>Test means</i>	23.0	1.0	-	31	
<i>L.S.D. (.05)</i>	3.7				
<i>C.V. (%)</i>	11.6				

TABLE 13. PERFORMANCE OF SOYBEAN VARIETIES AT BREWTON, ALABAMA, 3-YEAR SUMMARY, 1995-97

Brand-variety	Yield per acre			3-year average			
	1997	2-yr. av.	3-yr. av.	Lodging	Shattering	Plant height	Maturity date
	Bu.	Bu.	Bu.	Score	Score	In.	
Maturity Group V							
Hutcheson	27.2	39.7	44.3	1.0	0.0	25	10-1
AgriPro HY574	23.8	40.0	44.0	1.2	0.0	30	10-2
Dyna-Grow 3576	25.5	38.7	43.0	1.1	0.0	23	9-30
Holladay	27.0	37.1	40.9	1.0	0.0	20	9-30
Clifford	29.5	36.7	40.9	1.0	0.0	25	9-28
Riverside 549	25.5	-	-	-	-	-	-
Riverside Robin-5	24.4	-	-	-	-	-	-
Riverside 77	23.6	-	-	-	-	-	-
Deltapine DP 3588	20.8	-	-	-	-	-	-
TN 5-95	20.2	-	-	-	-	-	-
Maturity Group VI							
Dillon	22.6	40.9	47.3	1.2	0.6	32	10-7
Pioneer 9692	20.2	39.8	46.4	1.3	0.0	29	10-11
Dyna-Gro 3682	22.6	38.7	45.0	1.5	0.6	30	10-16
Riverside 699	19.9	33.6	41.3	1.5	0.0	29	10-11
Bryan	21.0	31.5	37.6	1.3	0.0	30	10-13
Hy Performer HY 663	22.2	40.3	-	-	-	-	-
Pioneer 9631	22.7	39.9	-	-	-	-	-
Young	21.6	38.9	-	-	-	-	-
Deltapine DPX 3640	20.3	38.3	-	-	-	-	-
Deltapine DPX 3681	21.1	37.8	-	-	-	-	-
Hartz H6191	27.5	-	-	-	-	-	-
Musen	22.3	-	-	-	-	-	-
Asgrow A 6711	22.0	-	-	-	-	-	-
Maturity Group VII							
Haskell	19.6	39.4	47.3	1.6	0.0	32	10-18
Hagood	23.7	37.4	45.9	1.7	0.0	34	10-20
Stonewall	19.9	38.5	45.8	1.6	0.0	30	10-15
Pioneer 9761	21.0	39.7	45.7	1.3	0.0	31	10-16
Deltapine 3733	21.2	38.6	45.6	1.5	0.0	29	10-14
Carver	19.0	35.8	43.5	1.3	0.0	28	10-12
Hartz H 7440	22.3	38.0	-	-	-	-	-
Asgrow A 7986	24.6	-	-	-	-	-	-
Benning	24.5	-	-	-	-	-	-
Pioneer 97B61	23.6	-	-	-	-	-	-
AgriPro AP 727	23.3	-	-	-	-	-	-
Maturity Group VIII							
Cook	24.6	42.6	51.3	1.7	0.0	35	10-22
Maxcy	23.1	40.4	-	-	-	-	-
AU 91-13	24.6	-	-	-	-	-	-
Hartz HX821280	24.3	-	-	-	-	-	-
<i>Test means</i>	23.0	38.4	44.5	1.3	0.1	29	
<i>L.S.D. (.05)</i>	3.7						
<i>C.V. (%)</i>	11.6						

The planting date for one-year, two-year, and three-year averages was June 25, June 12, and May 19, respectively.

TABLE 14. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 1997

Brand-variety	Yield per acre	Average			Maturity date
		Lodging	Shattering	Plant height	
	<i>Bu.</i>	<i>Score</i>	<i>Score</i>	<i>In.</i>	
Maturity Group V					
Holladay	33.4	1.0	1.3	19	9-16
Dyna-Grow 3576	32.6	1.3	1.3	20	9-22
Hutcheson	30.4	1.0	1.0	19	9-22
TN 5-95	29.9	1.8	1.3	22	9-17
Riverside 549	29.8	2.0	1.0	22	9-22
AgriPro HY574	29.5	1.0	1.0	23	9-25
Riverside 77	27.4	1.0	1.0	27	9-25
Deltapine DP 3588	26.5	1.0	1.0	29	9-26
Clifford	24.1	1.0	2.0	21	9-16
Riverside Robin-5	23.3	1.3	1.0	19	9-23
Maturity Group VI					
Young	32.7	1.8	1.3	28	9-29
Hartz H6191	32.1	1.0	1.3	22	10-4
Deltapine DPX 3681	30.5	1.0	1.0	28	10-5
Bryan	29.4	1.3	1.3	27	10-7
Dillon	26.9	1.3	1.0	26	9-29
Musen	26.3	1.0	1.0	27	10-9
Hy Performer HY 663	23.5	1.8	1.8	26	10-1
Riverside 699	21.2	2.0	1.0	23	10-3
Dyna-Gro 3682	18.3	1.0	1.0	25	10-5
Maturity Group VII					
Carver	26.4	1.0	1.3	27	10-3
AgriPro HY 798	25.0	2.0	1.0	25	10-13
Thomas	24.1	1.0	1.0	28	10-10
Benning	24.1	1.0	1.0	29	10-7
Deltapine 3733	23.9	1.5	1.0	26	10-7
AgriPro AP 727	23.8	1.3	1.0	30	10-7
Haskell	23.7	2.0	1.0	28	10-8
Stonewall	23.6	1.0	1.0	27	10-6
Hagood	21.7	1.3	1.3	31	10-14
Hartz H 7440	20.8	1.5	1.0	31	10-10
Braxton	20.0	1.0	1.0	30	10-13
Pioneer 97B61	19.7	1.5	1.0	29	10-12
Maturity Group VIII					
AU 91-13	25.6	2.0	1.0	30	10-13
Cook	25.1	1.0	1.0	32	10-12
Hartz HX821280	20.0	1.0	1.0	31	10-19
Maxey	17.2	1.5	1.0	30	10-13
<i>Test means</i>	25.5	1.3	1.1	26	
<i>L.S.D. (.05)</i>	5.8				
<i>C.V. (%)</i>	16.4				

TABLE 15. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 3-YEAR SUMMARY, 1995-97

Brand-variety	Yield per acre			3-year average			
	1997	2-yr. av.	3-yr. av.	Lodging	Shattering	Plant height	Maturity date
	<i>Bu.</i>	<i>Bu.</i>	<i>Bu.</i>	<i>Score</i>	<i>Score</i>	<i>In.</i>	
Maturity Group V							
Hutcheson	30.4	43.7	47.5	1.0	1.7	24	9-26
AgriPro HY574	29.5	44.2	47.3	1.4	1.0	30	9-28
Holladay	33.4	44.7	46.2	1.2	1.2	23	9-23
Clifford	24.1	40.9	42.3	1.3	1.4	25	9-22
Dyna-Grow 3576	32.6	44.6	-	-	-	-	-
TN 5-95	29.9	-	-	-	-	-	-
Riverside 549	29.8	-	-	-	-	-	-
Riverside 77	27.4	-	-	-	-	-	-
Deltapine DP 3588	26.5	-	-	-	-	-	-
Riverside Robin-5	23.3	-	-	-	-	-	-
Maturity Group VI							
Young	32.7	44.7	45.9	2.3	1.8	34	10-4
Bryan	29.4	40.3	43.1	1.8	1.1	32	10-10
Dillon	26.9	38.5	41.7	1.5	1.2	31	10-2
Dyna-Gro 3682	18.3	35.1	37.7	1.7	1.0	29	10-9
Hartz H6191	32.1	49.0	-	-	-	-	-
Hy Performer HY 663	23.5	38.5	-	-	-	-	-
Deltapine DPX 3681	30.5	-	-	-	-	-	-
Musen	26.3	-	-	-	-	-	-
Riverside 699	21.2	-	-	-	-	-	-
Maturity Group VII							
Carver	26.4	39.7	43.4	1.0	1.1	32	10-7
Haskell	23.7	40.9	43.4	2.6	1.0	34	10-13
Deltapine 3733	23.9	40.8	43.3	1.8	1.0	32	10-11
Hagood	21.7	37.9	42.5	2.7	1.1	37	10-17
Hartz H 7440	20.8	38.7	41.5	2.3	1.0	39	10-14
Stonewall	23.6	39.1	40.8	1.8	1.0	32	10-10
Braxton	20.0	37.3	39.9	1.8	1.0	36	10-15
AgriPro HY 798	25.0	36.6	39.8	2.3	1.0	31	10-15
Thomas	24.1	35.8	38.0	1.8	1.0	34	10-13
Benning	24.1	-	-	-	-	-	-
AgriPro AP 727	23.8	-	-	-	-	-	-
Pioneer 97B61	19.7	-	-	-	-	-	-
Maturity Group VIII							
Cook	25.1	39.4	41.8	2.2	1.0	36	10-14
Maxey	17.2	35.2	-	-	-	-	-
AU 91-13	25.6	-	-	-	-	-	-
Hartz HX821280	20.0	-	-	-	-	-	-
<i>Test Means</i>	25.5	40.3	42.6	1.8	1.1	32	
<i>L.S.D. (.05)</i>	5.9						
<i>C.V. (%)</i>	16.4						

The planting date for one-year, two-year, and three-year averages was June 6, June 1, and June 9, respectively.

TABLE 16. PERFORMANCE OF SOYBEAN VARIETIES AT SHORTER, ALABAMA, 1997

Brand-variety	Yield per acre <i>Bu.</i>	Average			Maturity date
		Lodging <i>Score</i>	Shattering <i>Score</i>	Plant height <i>In.</i>	
Maturity Group V					
Hutcheson	56.1	0.3	0.0	29	9-22
Holladay	50.9	0.0	0.0	28	9-23
AgriPro HY574	46.5	2.3	0.0	35	9-23
Deltapine DP 3588	45.7	1.0	0.0	40	9-24
Dyna-Grow 3576	45.4	0.8	0.0	32	9-23
Maturity Group VI					
Dillon	48.8	0.3	0.0	38	9-26
Young	46.7	2.5	0.0	41	9-26
Hartz H6191	44.6	0.0	0.0	28	10-1
Pioneer 9692	41.1	0.0	0.0	35	10-8
Musen	37.6	1.0	0.0	34	10-9
Maturity Group VII					
Benning	41.4	0.8	0.0	34	10-15
Deltapine 3733	40.1	0.8	0.0	37	10-6
Stonewall	39.4	0.3	0.0	32	10-15
Carver	37.0	1.0	0.0	32	9-29
AgriPro HY 798	36.5	0.5	0.0	34	10-17
Pioneer 9761	35.7	0.0	0.0	36	10-16
Haskell	35.7	2.3	0.0	37	10-16
<i>Test means</i>	42.9	0.8	0.0	34	
<i>L.S.D. (.05)</i>	6.0				
<i>C.V. (%)</i>	9.8				

TABLE 17. PERFORMANCE OF EARLY PLANTED SOYBEAN VARIETIES AT BREWTON, ALABAMA, 1997

Brand-variety	Yield per acre <i>Bu.</i>	Average			Maturity date
		Lodging <i>Score</i>	Shattering <i>Score</i>	Plant height <i>In.</i>	
Maturity Group V					
Hutcheson	37.0	1.0	-	20	9-9
Deltapine DP 3519	32.8	1.0	-	21	9-5
Deltapine DP 3588	32.6	1.0	-	28	9-12
Holladay	29.4	1.0	-	17	9-4
AgriPro HY574	28.4	1.0	-	25	9-6
Maturity Group VI					
Dillon	29.8	1.0	-	27	9-15
Young	29.7	1.0	-	30	9-15
Bryan	19.4	1.0	-	23	10-3
Musen	19.4	1.0	-	27	10-2
Maturity Group VII					
Carver	25.4	1.0	-	21	9-27
Haskell	23.6	1.0	-	24	10-10
Stonewall	22.7	1.0	-	22	9-30
<i>Test means</i>	7.5	1.0	-	24	
<i>L.S.D. (0.05)</i>	6.4				
<i>C.V. (%)</i>	16.1				

TABLE 18. PERFORMANCE OF SOYBEAN VARIETIES IN PRELIMINARY TESTS, 1997

Brand-variety	Yield per acre		
	Northern (Belle Mina) <i>Bu.</i>	Central (Prattville) <i>Bu.</i>	Southern (Monroeville) <i>Bu.</i>
Maturity Group V			
Accomac	21.7	38.7	14.9
AgriPro AP588RR	30.3	41.1	16.5
Deltapine DPX 9752	23.3	39.1	17.3
Hutcheson	28.1	42.0	15.3
Maturity Group VI			
AU 92-763	27.5	33.6	13.1
Boggs	26.9	34.6	14.7
Deltapine DPX 9769	32.0	28.5	-
Dillon	27.3	32.9	15.1
Hartz H6373	37.0	38.3	15.3
Maturity Group VII			
Benning	-	28.4	14.2
Deltapine DPX 9775	-	34.5	16.3
Haskell	-	23.6	10.4
<i>Test means</i>	28.0	34.6	14.8
<i>L.S.D. (0.05)</i>	4.3	4.1	3.1
<i>C.V. (%)</i>	10.5	8.2	14.3

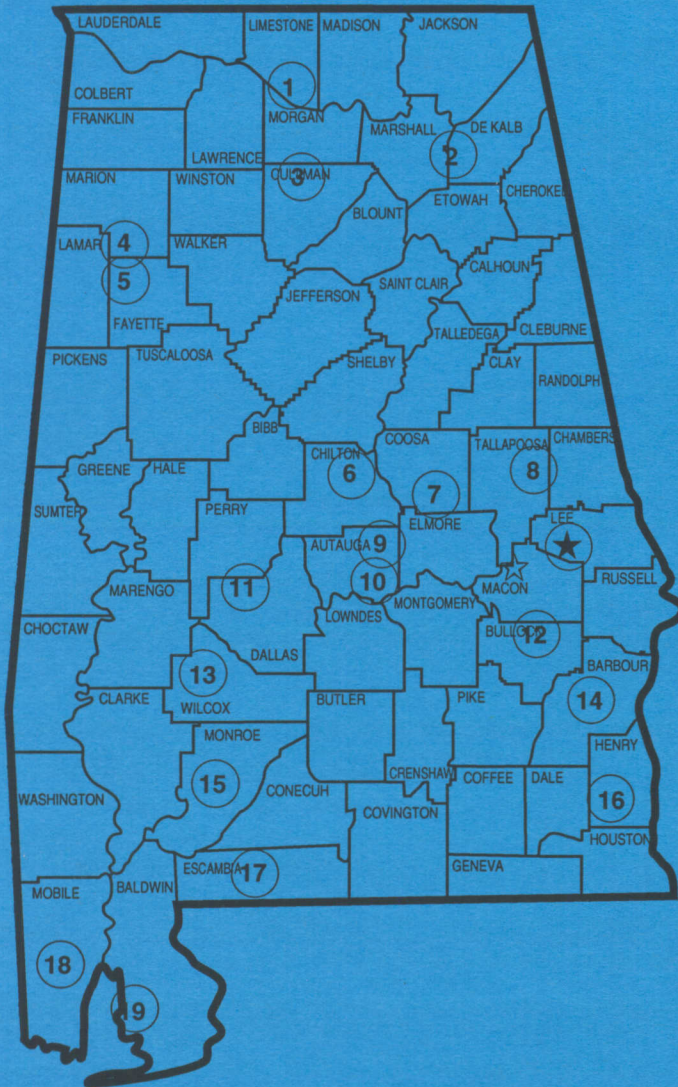
TABLE 19. ENTRIES AND SOURCES FOR 1997

AgriPro Seed, Inc. Memphis, Tennessee	Hy Performer brand varieties AP, HY RR - designates Roundup Ready varieties
Alabama Crop Imp. Assoc. Auburn, Alabama	Carver Hutcheson Stonewall Young
Asgrow Seed Co. Matthews, Missouri	Asgrow brand varieties
Delta and Pine Land Company Scott, Mississippi	Deltapine brand varieties
Department of Agronomy and Soils Auburn University, Alabama	Au91-13 Au92-763
Escambia Farm and Seed Co. Atmore, Alabama	Braxton Bryan Centennial Thomas
Georgia Seed Development Comm. Athens, Georgia	Cook Doles Haskell
Hartz Seed Company, Inc. Suttgart, Arkansas	Hartz brand varieties
North Carolina State University Raleigh, North Carolina	Brim Clifford Holladay
Pioneer Hi-Bred International, Inc. Huntsville, Alabama	Pioneer brand varieties
South Carolina Crop Impr. Assoc. Clemson, South Carolina	Dillon Hagood Maxcy Musen
Southern Elite Genetics Statesboro, Georgia	Benning Boggs Haskell
Terra International, Inc. Memphis, Tennessee	Riverside brand varieties
United Agri-Products Athens, Alabama	Dyna-Gro brand varieties, UAP
University of Tennessee Knoxville, Tennessee	TN 4-86 TN 4-94 TN 5-95
Virginia Polytechnic Institute Blacksburg, Virginia	Accomac

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1. Tennessee Valley Substation, Belle Mina.
2. Sand Mountain Substation, Crossville.
3. North Alabama Horticulture Substation, Cullman.
4. Upper Coastal Plain Substation, Winfield.
5. Forestry Unit, Fayette County.
6. Chilton Area Horticulture Substation, Clanton.
7. Forestry Unit, Coosa County.
8. Piedmont Substation, Camp Hill.
9. Forestry Unit, Autauga County.
10. Prattville Experiment Field, Prattville.
11. Black Belt Substation, Marion Junction.
12. The Turnipseed-Ikenberry Place, Union Springs.
13. Lower Coastal Plain Substation, Camden.
14. Forestry Unit, Barbour County.
15. Monroeville Experiment Field, Monroeville.
16. Wiregrass Substation, Headland.
17. Brewton Experiment Field, Brewton.
18. Ornamental Horticulture Substation, Spring Hill.
19. Gulf Coast Substation, Fairhope.