

TABLE 1. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: COASTAL  
 PLAIN: EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC  
 RCBS ANALYSIS

COMPANY OR BRAND NAME	VARIETY OR STRAIN	3-YEAR AVERAGES			
		YIELD (BU/A)	MATURITY (DATE)	PLANT HEIGHT (IN)	LODGING
-----2001-03 DATA-----					
MATURITY GROUP V					
Southern States	RT 5999 N	41.4	-/ -	32	1.2
PIONEER	95B96 (RR)	41.3	-/ -	28	1.2
DELTA & PINE LAND	DP5915 RR	39.4	-/ -	26	1.3
Southern States	RT 587 N	34.1	-/ -	29	1.1
AVERAGES		39.0	-/ -	29	1.1
L.S.D. (.10)		NS			
C.V. (%)		13.6			

TABLE 2. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: COASTAL  
 PLAIN: EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC  
 RCBS ANALYSIS

COMPANY OR BRAND NAME	VARIETY OR STRAIN	2-YEAR AVERAGES			
		YIELD (BU/A)	MATURITY (DATE)	PLANT HEIGHT (IN)	LODGING
-----2002-03 DATA-----					
MATURITY GROUP V					
PIONEER	95B96 (RR)	40.8	-/ -	24	1.3
Southern States	RT 5999 N	38.1	-/ -	28	1.3
DELTA & PINE LAND	DP5915 RR	34.4	-/ -	22	1.3
Southern States	RT 587 N	29.3	-/ -	24	1.1
AVERAGES		35.6	-/ -	24	1.2
L.S.D. (.10)		3.1			
C.V. (%)		8.4			

TABLE 3. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: COASTAL PLAIN: EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC RCBS ANALYSIS

COMPANY OR BRAND NAME	VARIETY OR STRAIN	-----2003 DATA-----			
		YIELD (BU/A)	MATURITY (DATE)	PLANT HEIGHT (IN)	LODGING
-----					
MATURITY GROUP V					
PIONEER	95B96 (RR)	43.8	-/ -	25	1.5
Southern States	RT 5930 N	43.2	-/ -	24	1.5
DELTA & PINE LAND	DPX98-06954RR	43.0	-/ -	32	1.5
DELTA & PINE LAND	DP5634 RR	42.5	-/ -	27	1.5
Southern States	RT 5999 N	40.2	-/ -	29	1.5
AGSouth Genetics	AGS E-574	40.0	-/ -	28	1.8
DELTA & PINE LAND	DP5806 RR	39.9	-/ -	32	1.7
DELTA & PINE LAND	DP5915 RR	39.9	-/ -	25	1.7
AGSouth Genetics	AGS E-587	39.8	-/ -	34	2.0
AGSouth Genetics	AGS E-572	39.6	-/ -	26	1.5
AGSouth Genetics	AGS E-531	38.7	-/ -	32	1.3
DELTA & PINE LAND	DP5414 RR	37.8	-/ -	31	1.5
Hornbeck	HBK R5620	37.4	-/ -	28	1.3
DELTA & PINE LAND	DP5644 RR	36.9	-/ -	30	1.5
Southern States	RT 587 N	34.0	-/ -	27	1.2
Hornbeck	HBK R5823	27.3	-/ -	24	1.2
AVERAGES		39.0	-/ -	28	1.5
L.S.D. (.10)		4.6			
C.V. (%)		8.5			
STD. ERROR OF ENTRY MEAN		1.9	DF=30		
R-SQUARED		0.73			
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TABLE 4. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: COASTAL  
 PLAIN: EDISTO RESEARCH AND EDUCATION CENTER,  
 MEANS ADJUSTED BY LATTICE PROCEDURE

COMPANY OR BRAND NAME	VARIETY OR STRAIN	---2003 DATA--- YIELD (BU/A)
MATURITY GROUP V		
DELTA & PINE LAND	DP5634 RR	44.0
DELTA & PINE LAND	DPX98-06954RR	43.7
PIONEER	95B96 (RR)	42.9
Southern States	RT 5930 N	42.4
DELTA & PINE LAND	DP5915 RR	40.3
AGSouth Genetics	AGS E-572	40.1
AGSouth Genetics	AGS E-574	40.0
Southern States	RT 5999 N	39.9
DELTA & PINE LAND	DP5806 RR	39.8
AGSouth Genetics	AGS E-587	39.5
AGSouth Genetics	AGS E-531	38.4
DELTA & PINE LAND	DP5414 RR	38.0
Hornbeck	HBK R5620	37.7
DELTA & PINE LAND	DP5644 RR	36.9
Southern States	RT 587 N	33.9
Hornbeck	HBK R5823	26.8
AVERAGES		39.0
L.S.D. (.10)		3.4
C.V. (%)		7.6
STD. ERROR OF ENTRY MEAN		1.8 DF=30
R-SQUARED		0.85
RELAVITE EFFICIENCY TO A RCBD		110.5%

TABLE 5. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: COASTAL PLAIN: EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC RCBS ANALYSIS

COMPANY OR BRAND NAME	VARIETY OR STRAIN	3-YEAR AVERAGES			
		YIELD (BU/A)	MATURITY (DATE)	PLANT HEIGHT (IN)	LODGING
-----2001-03 DATA-----					
MATURITY GROUP VI					
UniSouth Genetics	620nRR	43.3	-/ -	29	1.3
DELTA & PINE LAND	DP6880 RR	41.8	-/ -	31	1.4
Southern States	RT 6999 N	41.6	-/ -	31	1.3
Vigoro	V622NRR	41.3	-/ -	29	1.4
HARTZ	H6255RR	40.3	-/ -	28	1.4
PIONEER	96B21 (RR)	38.1	-/ -	29	1.2
DELTA & PINE LAND	DP6299 RR	37.1	-/ -	33	1.4
AgraTech	ATS 600RR	36.6	-/ -	31	1.3
AVERAGES		40.0	-/ -	30	1.3
L.S.D. (.10)		NS			
C.V. (%)		15.5			

TABLE 6. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: COASTAL PLAIN: EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC RCBS ANALYSIS

COMPANY OR BRAND NAME	VARIETY OR STRAIN	2-YEAR AVERAGES			
		YIELD (BU/A)	MATURITY (DATE)	PLANT HEIGHT (IN)	LODGING
-----2002-03 DATA-----					
MATURITY GROUP VI					
UniSouth Genetics	620nRR	40.7	-/ -	26	1.3
Southern States	RT 6999 N	39.9	-/ -	29	1.3
DELTA & PINE LAND	DP6880 RR	39.2	-/ -	28	1.3
ASGROW	AG6202	37.1	-/ -	27	1.3
Vigoro	V622NRR	35.7	-/ -	26	1.4
PIONEER	96B21 (RR)	35.4	-/ -	25	1.3
HARTZ	H6255RR	34.7	-/ -	23	1.4
DELTA & PINE LAND	DP6299 RR	33.6	-/ -	30	1.3
C.U.	SC00-892	33.0	-/ -	22	1.3
GARST	6612RR/N	32.6	-/ -	27	1.3
NK	S64-J1	32.5	-/ -	26	1.3
Southern States	RT 6202 N	31.6	-/ -	25	1.2
AgraTech	ATS 600RR	30.7	-/ -	28	1.3
UniSouth Genetics	7662nRR	25.0	-/ -	26	1.2
AVERAGES		34.4	-/ -	26	1.3
L.S.D. (.10)		NS			
C.V. (%)		19.7			

TABLE 7. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: COASTAL PLAIN: EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC RCBS ANALYSIS

COMPANY OR BRAND NAME	VARIETY OR STRAIN	-----2003 DATA-----			
		YIELD (BU/A)	MATURITY (DATE)	PLANT HEIGHT (IN)	LODGING
-----					
MATURITY GROUP VI					
HARTZ	H6255RR	47.2	-/ -	26	1.8
UniSouth Genetics	620nRR	44.6	-/ -	30	1.5
GARST	6112RR/N	44.2	-/ -	32	1.5
Vigoro	V622NRR	41.6	-/ -	31	1.8
Southern States	RT 6630 N	41.2	-/ -	28	1.2
ASGROW	AG6202	40.8	-/ -	31	1.7
DELTA & PINE LAND	DPX98-05782RR	40.5	-/ -	35	2.0
GARST	6612RR/N	40.2	-/ -	31	1.5
DELTA & PINE LAND	DP6880 RR	40.1	-/ -	31	1.7
DEKALB	DK64-51	39.7	-/ -	33	1.7
Southern States	RT 6202 N	39.6	-/ -	30	1.3
NK	S64-J1	39.2	-/ -	31	1.5
Southern States	RT 6999 N	39.1	-/ -	35	1.7
AgraTech	ATS 600RR	39.0	-/ -	33	1.5
C.U.	SC00-892	38.9	-/ -	27	1.5
PIONEER	96B21 (RR)	38.6	-/ -	31	1.5
DELTA & PINE LAND	DP6299 RR	37.3	-/ -	32	1.5
UniSouth Genetics	7662nRR	30.8	-/ -	28	1.3
-----					
AVERAGES		40.2	-/ -	31	1.6
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L.S.D. (.10)		NS			
C.V. (%)		13.3			
STD. ERROR OF ENTRY MEAN		3.1	DF=34		
R-SQUARED		0.45			
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TABLE 8. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: COASTAL  
 PLAIN: EDISTO RESEARCH AND EDUCATION CENTER,  
 NEAREST NEIGHBOR ANALYSIS

COMPANY OR BRAND NAME	VARIETY OR STRAIN	---2003 DATA--- YIELD (BU/A)
MATURITY GROUP VI		
HARTZ	H6255RR	49.7
ASGROW	AG6202	46.4
GARST	6112RR/N	44.6
DELTA & PINE LAND	DPX98-05782RR	44.1
AgraTech	ATS 600RR	43.2
Vigoro	V622NRR	42.5
UniSouth Genetics	620nRR	41.0
GARST	6612RR/N	40.8
Southern States	RT 6630 N	39.8
C.U.	SC00-892	39.1
NK	S64-J1	38.0
PIONEER	96B21 (RR)	37.9
DEKALB	DK64-51	37.8
DELTA & PINE LAND	DP6880 RR	37.5
Southern States	RT 6202 N	36.9
DELTA & PINE LAND	DP6299 RR	35.8
Southern States	RT 6999 N	35.0
UniSouth Genetics	7662nRR	32.9
AVERAGES		40.2
L.S.D. (.10)		4.6
C.V. (%)		10.4

TABLE 9. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: COASTAL  
 PLAIN: EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC  
 RCBS ANALYSIS

COMPANY OR BRAND NAME	VARIETY OR STRAIN	3-YEAR AVERAGES			
		YIELD (BU/A)	MATURITY (DATE)	PLANT HEIGHT (IN)	LODGING
-----2001-03 DATA-----					
MATURITY GROUP VII & VIII					
DELTA & PINE LAND	DP7220 RR	44.2	-/ -	30	1.3
Southern States	RT 7499 N	39.5	-/ -	31	1.3
PIONEER	97B52	39.0	-/ -	30	1.3
NK	NK S73-Z5	37.5	-/ -	27	1.5
AVERAGES		40.0	-/ -	30	1.4
L.S.D. (.10)		NS			
C.V. (%)		13.0			

TABLE 10. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: COASTAL  
 PLAIN: EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC  
 RCBS ANALYSIS

COMPANY OR BRAND NAME	VARIETY OR STRAIN	2-YEAR AVERAGES				
		YIELD (BU/A)	MATURITY (DATE)	PLANT HEIGHT (IN)	LODGING	
-----2002-03 DATA-----						
MATURITY GROUP VII & VIII						
AGSouth Genetics	AGSouth 825 RR	39.2	-/ -	27	1.1	
C.U.	SC00-947	38.6	-/ -	25	1.2	
HARTZ	H7242RR	36.9	-/ -	31	1.2	
DELTA & PINE LAND	DP7220 RR	36.6	-/ -	28	1.3	
NK	S76-L9	36.6	-/ -	28	1.1	
NK	NK S73-Z5	35.6	-/ -	24	1.3	
PIONEER	97B52	34.9	-/ -	28	1.5	
Southern States	RT 7499 N	34.4	-/ -	28	1.3	
AVERAGES		36.6	-/ -	27	1.2	
L.S.D. (.10)		NS				
C.V. (%)		17.0				

TABLE 11. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: COASTAL PLAIN: EDISTO RESEARCH AND EDUCATION CENTER, BLACKVILLE, SC RCBS ANALYSIS

COMPANY OR BRAND NAME	VARIETY OR STRAIN	-----2003 DATA-----			
		YIELD (BU/A)	MATURITY (DATE)	PLANT HEIGHT (IN)	LODGING
-----					
MATURITY GROUP VII & VIII					
DELTA & PINE LAND	DPX7870 RR	45.9	-/ -	29	1.3
Vigoro	V71N4RR	44.9	-/ -	25	1.3
C.U.	SC00-947	44.0	-/ -	29	1.3
AGSouth Genetics	AGSouth 825 RR	43.8	-/ -	30	1.2
UniSouth Genetics	7732nRR	43.1	-/ -	31	1.8
C.U.	SC00-693	42.9	-/ -	36	1.7
AGSouth Genetics	AGSouth 751	42.1	-/ -	32	1.5
UniSouth Genetics	7743nRR	41.7	-/ -	31	1.7
DELTA & PINE LAND	DP7220 RR	41.5	-/ -	30	1.5
PIONEER	97B52	40.8	-/ -	30	1.7
C.U.	SC00-625	40.2	-/ -	39	1.7
C.U.	SC00-579	40.1	-/ -	33	1.8
ASGROW	AG7601	39.9	-/ -	29	1.2
UniSouth Genetics	7713nRR	39.0	-/ -	27	1.2
HARTZ	H7242RR	39.0	-/ -	33	1.3
C.U.	SC00-559	38.7	-/ -	38	1.5
NK	S76-L9	38.0	-/ -	30	1.2
UGA	G-02-G176376	38.0	-/ -	28	1.2
UGA	G-02-G42164	37.8	-/ -	30	1.3
Vigoro	V74N4RR	37.7	-/ -	36	1.3
AGSouth Genetics	Prichard RR	36.2	-/ -	33	1.7
NK	NK S73-Z5	36.2	-/ -	26	1.5
Southern States	RT 7499 N	36.0	-/ -	30	1.5
C.U.	SC00-646	35.6	-/ -	36	1.5
Vigoro	Ex470002	31.2	-/ -	47	1.7
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AVERAGES		39.8	-/ -	32	1.5
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L.S.D. (.10)		5.9			
C.V. (%)		10.8			
STD. ERROR OF ENTRY MEAN		2.5	DF=48		
R-SQUARED		0.53			
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TABLE 12. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: COASTAL  
 PLAIN: EDISTO RESEARCH AND EDUCATION CENTER,  
 MEANS ADJUSTED BY LATTICE PROCEDURE

		---2003 DATA---
		YIELD
COMPANY OR BRAND NAME	VARIETY OR STRAIN	(BU/A)
-----		
MATURITY GROUP VII & VIII		
DELTA & PINE LAND	DPX7870 RR	45.8
Vigoro	V71N4RR	45.0
C.U.	SC00-947	44.0
AGSouth Genetics	AGSouth 825	43.8
UniSouth Genetics	7732nRR	43.2
C.U.	SC00-693	42.9
AGSouth Genetics	AGSouth 751	42.0
UniSouth Genetics	7743nRR	41.7
DELTA & PINE LAND	DP7220 RR	41.5
PIONEER	97B52	40.8
C.U.	SC00-625	40.2
C.U.	SC00-579	40.1
ASGROW	AG7601	39.9
UniSouth Genetics	7713nRR	39.1
HARTZ	H7242RR	39.0
C.U.	SC00-559	38.7
UGA	G-02-G176376	38.1
NK	S76-L9	38.0
UGA	G-02-G42164	37.8
Vigoro	V74N4RR	37.7
AGSouth Genetics	Prichard RR	36.4
NK	NK S73-Z5	36.2
Southern States	RT 7499 N	36.1
C.U.	SC00-646	35.5
Vigoro	Ex470002	31.3
-----		
AVERAGES		39.8
-----		
L.S.D. (.10)		4.6
C.V. (%)		10.8
STD. ERROR OF ENTRY MEAN		2.5 DF=48
R-SQUARED		0.65
RELAVITE EFFICIENCY TO A RCBD		100.0%
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