

TABLE 13. IRRIGATED ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE:  
 COASTAL PLAIN: EDISTO RESEARCH AND EDUCATION CENTER,  
 BLACKVILLE, SC

COMPANY OR BRAND NAME	VARIETY OR STRAIN	-----2003 DATA-----			
		YIELD (BU/A)	MATURITY (DATE)	PLANT HEIGHT (IN)	LODGING
-----					
MATURITY GROUP V					
PIONEER	95B96 (RR)	42.8	-/ -	27	1.2
DELTA & PINE LAND	DP5806 RR	42.1	-/ -	30	1.5
DELTA & PINE LAND	DP5915 RR	41.7	-/ -	30	1.5
Southern States	RT 5999 N	40.8	-/ -	30	1.2
Southern States	RT 5930 N	39.8	-/ -	23	1.0
DELTA & PINE LAND	DPX98-06954RR	38.3	-/ -	27	1.5
DELTA & PINE LAND	DP5634 RR	37.6	-/ -	26	1.3
AGSouth Genetics	AGS E-587	36.4	-/ -	37	1.5
AGSouth Genetics	AGS E-574	35.1	-/ -	29	1.7
AGSouth Genetics	AGS E-531	35.0	-/ -	28	1.2
AGSouth Genetics	AGS E-572	34.5	-/ -	22	1.7
Hornbeck	HBK R5620	33.8	-/ -	28	1.2
DELTA & PINE LAND	DP5644 RR	33.1	-/ -	27	1.5
DELTA & PINE LAND	DP5414 RR	32.6	-/ -	32	1.5
Southern States	RT 587 N	32.3	-/ -	25	1.2
Hornbeck	HBK R5823	32.1	-/ -	26	1.0
AVERAGES		36.8	-/ -	28	1.3
-----					
L.S.D. (.10)		6.7			
C.V. (%)		13.1			
STD. ERROR OF ENTRY MEAN		2.8	DF=30		
R-SQUARED		0.60			
-----					

TABLE 14. IRRIGATED ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE:  
 COASTAL PLAIN: EDISTO RESEARCH AND EDUCATION CENTER,  
 BLACKVILLE, SC  
 MEANS ADJUSTED BY LATTICE PROCEDURE

COMPANY OR BRAND NAME	VARIETY OR STRAIN	---2003 DATA--- YIELD (BU/A)
-----		
MATURITY GROUP V		
PIONEER	95B96 (RR)	42.1
DELTA & PINE LAND	DP5806 RR	40.9
Southern States	RT 5999 N	40.6
DELTA & PINE LAND	DP5915 RR	40.1
Southern States	RT 5930 N	39.6
DELTA & PINE LAND	DP5634 RR	38.4
DELTA & PINE LAND	DPX98-06954RR	38.0
AGSouth Genetics	AGS E-587	37.3
AGSouth Genetics	AGS E-531	36.0
AGSouth Genetics	AGS E-574	34.9
DELTA & PINE LAND	DP5644 RR	34.5
Southern States	RT 587 N	34.3
AGSouth Genetics	AGS E-572	34.0
Hornbeck	HBK R5620	33.5
DELTA & PINE LAND	DP5414 RR	33.5
Hornbeck	HBK R5823	30.5
-----		
AVERAGES		36.8
-----		
L.S.D. (.10)		NS
C.V. (%)		11.2
STD. ERROR OF ENTRY MEAN		2.6 DF=30
R-SQUARED		0.79
RELAVITE EFFICIENCY TO A RCBD		117.4%
-----		

TABLE 15. IRRIGATED ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE:  
 COASTAL PLAIN: EDISTO RESEARCH AND EDUCATION CENTER,  
 BLACKVILLE, SC

COMPANY OR BRAND NAME	VARIETY OR STRAIN	-----2003 DATA-----				
		YIELD (BU/A)	MATURITY (DATE)	PLANT HEIGHT (IN)	LODGING	
-----						
MATURITY GROUP VI						
HARTZ	H6255RR	54.5	-/ -	31	1.8	
GARST	6112RR/N	54.0	-/ -	35	1.7	
UniSouth Genetics	620nRR	51.6	-/ -	32	1.8	
C.U.	SC00-892	51.3	-/ -	30	1.5	
Southern States	RT 6630 N	51.1	-/ -	30	1.7	
Southern States	RT 6202 N	50.6	-/ -	31	1.2	
Vigoro	V622NRR	50.5	-/ -	32	1.5	
DELTA & PINE LAND	DPX98-05782RR	50.3	-/ -	38	2.5	
DEKALB	DK64-51	49.8	-/ -	30	1.7	
ASGROW	AG6202	49.3	-/ -	31	2.0	
DELTA & PINE LAND	DP6299 RR	48.9	-/ -	36	2.5	
GARST	6612RR/N	48.7	-/ -	37	1.5	
AgraTech	ATS 600RR	48.7	-/ -	30	1.3	
Southern States	RT 6999 N	47.1	-/ -	39	1.5	
UniSouth Genetics	7662nRR	47.0	-/ -	36	1.5	
DELTA & PINE LAND	DP6880 RR	46.8	-/ -	35	2.3	
NK	S64-J1	46.5	-/ -	34	1.5	
PIONEER	96B21 (RR)	45.1	-/ -	31	1.7	
-----						
AVERAGES		49.5	-/ -	33	1.7	
-----						
L.S.D. (.10)		4.4				
C.V. (%)		6.4				
STD. ERROR OF ENTRY MEAN		1.8	DF=34			
R-SQUARED		0.56				
-----						

TABLE 16. IRRIGATED ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE:  
 COASTAL PLAIN: EDISTO RESEARCH AND EDUCATION CENTER,  
 BLACKVILLE, SC  
 NEAREST NEIGHBOR ANALYSIS

COMPANY OR BRAND NAME	VARIETY OR STRAIN	---2003 DATA--- YIELD (BU/A)
MATURITY GROUP VI		
HARTZ	H6255RR	55.2
GARST	6112RR/N	52.8
Southern States	RT 6202 N	52.4
ASGROW	AG6202	51.4
Vigoro	V622NRR	51.2
DELTA & PINE LAND	DP6299 RR	51.1
UniSouth Genetics	620nRR	51.0
DEKALB	DK64-51	50.8
C.U.	SC00-892	49.6
Southern States	RT 6630 N	49.5
DELTA & PINE LAND	DPX98-05782R	48.6
Southern States	RT 6999 N	48.2
PIONEER	96B21 (RR)	48.2
DELTA & PINE LAND	DP6880 RR	48.0
AgraTech	ATS 600RR	47.1
GARST	6612RR/N	47.0
UniSouth Genetics	7662nRR	46.5
NK	S64-J1	44.3
AVERAGES		49.5
L.S.D. (.10)		2.7
C.V. (%)		4.9

TABLE 17. IRRIGATED ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE:  
 COASTAL PLAIN: EDISTO RESEARCH AND EDUCATION CENTER,  
 BLACKVILLE, SC

COMPANY OR BRAND NAME	VARIETY OR STRAIN	-----2003 DATA-----			
		YIELD (BU/A)	MATURITY (DATE)	PLANT HEIGHT (IN)	LODGING
-----					
MATURITY GROUP VII & VIII					
UniSouth Genetics	7732nRR	60.6	-/ -	35	2.3
DELTA & PINE LAND	DPX7870 RR	57.8	-/ -	42	2.3
ASGROW	AG7601	56.2	-/ -	42	2.5
AGSouth Genetics	AGSouth 751	56.0	-/ -	44	2.8
C.U.	SC00-625	54.4	-/ -	44	2.0
HARTZ	H7242RR	53.9	-/ -	41	1.3
Vigoro	V71N4RR	53.2	-/ -	33	1.3
UniSouth Genetics	7713nRR	52.6	-/ -	32	1.3
C.U.	SC00-579	51.7	-/ -	38	1.7
AGSouth Genetics	AGSouth 825 RR	51.6	-/ -	35	1.7
NK	NK S73-Z5	51.5	-/ -	34	1.8
PIONEER	97B52	49.2	-/ -	37	2.5
NK	S76-L9	48.8	-/ -	37	1.2
Vigoro	V74N4RR	48.5	-/ -	44	2.3
C.U.	SC00-947	48.0	-/ -	38	1.8
DELTA & PINE LAND	DP7220 RR	47.6	-/ -	39	2.0
AGSouth Genetics	Prichard RR	47.3	-/ -	41	1.7
UniSouth Genetics	7743nRR	47.0	-/ -	48	3.0
C.U.	SC00-693	46.8	-/ -	42	2.5
Southern States	RT 7499 N	45.3	-/ -	41	1.7
UGA	G-02-G176376	45.1	-/ -	34	1.5
UGA	G-02-G42164	44.9	-/ -	36	2.5
C.U.	SC00-559	43.6	-/ -	41	2.0
C.U.	SC00-646	39.0	-/ -	44	3.0
Vigoro	Ex470002	37.7	-/ -	54	2.7
-----					
AVERAGES		49.5	-/ -	40	2.1
-----					
L.S.D. (.10)		7.9			
C.V. (%)		11.7			
STD. ERROR OF ENTRY MEAN		3.3	DF=48		
R-SQUARED		0.58			
-----					

TABLE 18. IRRIGATED 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 VII & VIII		
UniSouth Genetics	7732nRR	63.1
ASGROW	AG7601	57.2
DELTA & PINE LAND C.U.	DPX7870 RR SC00-625	56.8 55.5
AGSouth Genetics	AGSouth 751	55.2
Vigoro	V71N4RR	54.5
HARTZ C.U.	H7242RR SC00-579	53.8 52.6
NK UniSouth Genetics	NK S73-Z5 7713nRR	52.6 52.0
PIONEER AGSouth Genetics	97B52 AGSouth 825	50.4 50.1
Vigoro DELTA & PINE LAND	V74N4RR DP7220 RR	48.7 48.3
NK C.U.	S76-L9 SC00-947	47.2 46.9
UGA AGSouth Genetics	G-02-G176376 Prichard RR	46.8 46.7
C.U. Southern States	SC00-693 RT 7499 N	46.1 45.7
UniSouth Genetics	7743nRR	44.8
UGA	G-02-G42164	44.5
C.U.	SC00-559	42.6
C.U.	SC00-646	38.6
Vigoro	Ex470002	37.9
-----		
AVERAGES		49.5
-----		
L.S.D. (.10)		5.8
C.V. (%)		10.3
STD. ERROR OF ENTRY MEAN		3.1 DF=48
R-SQUARED		0.76
RELAVITE EFFICIENCY TO A RCBD		113.4%
-----		