

TABLE 19. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
 CALHOUN FIELD LABORATORY, CLEMSON, SC

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					
DELTA & PINE LAND	DP5915 RR	44.8	-/ -	32	2.0
PIONEER	95B96 (RR)	44.7	-/ -	32	1.9
Southern States	RT 587 N	40.7	-/ -	31	1.8
Southern States	RT 5999 N	35.7	-/ -	32	2.0
AVERAGES		41.5	-/ -	32	1.9
L.S.D. (.10)		NS			
C.V. (%)		11.1			

TABLE 20. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
 CALHOUN FIELD LABORATORY, CLEMSON, SC

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					
Southern States	RT 587 N	42.9	-/ -	31	1.8
DELTA & PINE LAND	DP5915 RR	41.4	-/ -	32	1.9
PIONEER	95B96 (RR)	40.7	-/ -	33	1.9
Southern States	RT 5999 N	39.4	-/ -	33	2.1
AVERAGES		41.1	-/ -	32	1.9
L.S.D. (.10)		NS			
C.V. (%)		12.3			

TABLE 21. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
CALHOUN FIELD LABORATORY, CLEMSON, SC

COMPANY OR BRAND NAME	VARIETY OR STRAIN	-----2003 DATA-----			
		YIELD (BU/A)	MATURITY (DATE)	PLANT HEIGHT (IN)	LODGING

MATURITY GROUP V					
Hornbeck	HBK R5823	61.6	-/ -	39	2.8
DELTA & PINE LAND	DP5806 RR	55.9	-/ -	39	2.7
Southern States	RT 587 N	54.0	-/ -	33	2.2
DELTA & PINE LAND	DP5644 RR	52.5	-/ -	29	1.0
AGSouth Genetics	AGS E-531	51.9	-/ -	39	1.7
DELTA & PINE LAND	DP5915 RR	50.9	-/ -	32	1.8
Southern States	RT 5930 N	49.8	-/ -	33	1.5
PIONEER	95B96 (RR)	49.2	-/ -	31	1.7
DELTA & PINE LAND	DPX98-06954RR	48.8	-/ -	39	2.2
Southern States	RT 5999 N	48.2	-/ -	33	2.3
Hornbeck	HBK R5620	46.5	-/ -	31	2.7
AGSouth Genetics	AGS E-587	44.8	-/ -	41	3.7
AGSouth Genetics	AGS E-572	43.3	-/ -	35	3.3
DELTA & PINE LAND	DP5634 RR	42.1	-/ -	35	2.5
DELTA & PINE LAND	DP5414 RR	39.1	-/ -	29	1.8
AGSouth Genetics	AGS E-574	37.8	-/ -	33	2.3

AVERAGES		48.5	-/ -	34	2.3

L.S.D. (.10)		6.6			
C.V. (%)		9.8			
STD. ERROR OF ENTRY MEAN		2.8	DF=30		
R-SQUARED		0.74			

TABLE 22. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
CALHOUN FIELD LABORATORY, CLEMSON, SC

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					
HARTZ	H6255RR	43.5	-/ -	31	2.1
PIONEER	96B21 (RR)	42.6	-/ -	36	2.8
Vigoro	V622NRR	41.0	-/ -	32	2.2
UniSouth Genetics	620nRR	40.7	-/ -	31	2.1
DELTA & PINE LAND	DP6880 RR	39.9	-/ -	35	2.8
DELTA & PINE LAND	DP6299 RR	37.5	-/ -	37	3.2
Southern States	RT 6999 N	37.3	-/ -	34	2.1
AgraTech	ATS 600RR	36.5	-/ -	35	2.1
AVERAGES		39.9	-/ -	34	2.4
L.S.D. (.10)		NS			
C.V. (%)		16.8			

TABLE 23. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
CALHOUN FIELD LABORATORY, CLEMSON, SC

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					
PIONEER	96B21 (RR)	42.6	-/ -	36	3.0
UniSouth Genetics	7662nRR	42.4	-/ -	33	1.4
GARST	6612RR/N	40.0	-/ -	33	1.2
AgraTech	ATS 600RR	39.6	-/ -	35	2.1
Vigoro	V622NRR	39.6	-/ -	31	2.0
DELTA & PINE LAND	DP6880 RR	39.5	-/ -	35	2.8
ASGROW	AG6202	39.1	-/ -	32	2.3
UniSouth Genetics	620nRR	39.0	-/ -	30	1.8
HARTZ	H6255RR	38.7	-/ -	32	2.1
NK	S64-J1	38.6	-/ -	35	2.8
C.U.	SC00-892	37.5	-/ -	32	2.2
Southern States	RT 6202 N	37.4	-/ -	33	1.9
DELTA & PINE LAND	DP6299 RR	36.9	-/ -	36	3.3
Southern States	RT 6999 N	35.2	-/ -	33	1.7
AVERAGES		39.0	-/ -	33	2.2
L.S.D. (.10)		NS			
C.V. (%)		16.0			

TABLE 24. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
CALHOUN FIELD LABORATORY, CLEMSON, SC

COMPANY OR BRAND NAME	VARIETY OR STRAIN	-----2003 DATA-----			
		YIELD (BU/A)	MATURITY (DATE)	PLANT HEIGHT (IN)	LODGING

MATURITY GROUP VI					
UniSouth Genetics	7662nRR	64.2	-/ -	39	1.8
PIONEER	96B21 (RR)	56.2	-/ -	40	3.3
AgraTech	ATS 600RR	53.4	-/ -	40	2.7
DELTA & PINE LAND	DPX98-05782RR	52.7	-/ -	40	3.5
ASGROW	AG6202	52.2	-/ -	38	3.0
GARST	6612RR/N	52.2	-/ -	37	1.3
UniSouth Genetics	620nRR	51.3	-/ -	33	2.2
DELTA & PINE LAND	DP6299 RR	50.5	-/ -	40	3.8
Vigoro	V622NRR	50.1	-/ -	34	2.5
HARTZ	H6255RR	49.2	-/ -	38	2.5
Southern States	RT 6630 N	48.8	-/ -	36	1.2
DEKALB	DK64-51	48.8	-/ -	39	1.8
GARST	6112RR/N	48.1	-/ -	41	2.7
Southern States	RT 6999 N	47.5	-/ -	40	1.8
DELTA & PINE LAND	DP6880 RR	46.9	-/ -	39	3.8
NK	S64-J1	46.5	-/ -	41	4.3
Southern States	RT 6202 N	45.8	-/ -	36	2.3
C.U.	SC00-892	43.2	-/ -	35	2.8

AVERAGES		50.4	-/ -	38	2.6

L.S.D. (.10)		NS			
C.V. (%)		12.9			
STD. ERROR OF ENTRY MEAN		3.8	DF=34		
R-SQUARED		0.51			

TABLE 25. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
 CALHOUN FIELD LABORATORY, CLEMSON, SC
 NEAREST NEIGHBOR ANALYSIS

COMPANY OR BRAND NAME	VARIETY OR STRAIN	---2003 DATA--- YIELD (BU/A)
MATURITY GROUP VI		
UniSouth Genetics	7662nRR	58.5
DELTA & PINE LAND	DPX98-05782R	57.8
DELTA & PINE LAND	DP6299 RR	54.4
PIONEER	96B21 (RR)	53.5
ASGROW	AG6202	53.4
UniSouth Genetics	620nRR	52.7
GARST	6612RR/N	51.2
Southern States	RT 6202 N	50.5
GARST	6112RR/N	50.4
Southern States	RT 6630 N	49.7
HARTZ	H6255RR	48.9
AgraTech	ATS 600RR	48.8
DELTA & PINE LAND	DP6880 RR	48.4
Vigoro	V622NRR	47.0
NK	S64-J1	46.9
Southern States	RT 6999 N	45.9
DEKALB	DK64-51	45.3
C.U.	SC00-892	44.5
AVERAGES		50.4
L.S.D. (.10)		5.7
C.V. (%)		10.3

TABLE 26. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
 CALHOUN FIELD LABORATORY, CLEMSON, SC

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	47.3	-/ -	33	2.3
Southern States	RT 7499 N	39.5	-/ -	32	2.5
PIONEER	97B52	39.1	-/ -	31	2.4
NK	NK S73-Z5	38.4	-/ -	29	2.2
AVERAGES		41.1	-/ -	31	2.4
L.S.D. (.10)		NS			
C.V. (%)		11.3			

TABLE 27. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
 CALHOUN FIELD LABORATORY, CLEMSON, SC

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					
DELTA & PINE LAND	DP7220 RR	42.7	-/ -	31	2.1
NK	NK S73-Z5	37.8	-/ -	29	1.9
Southern States	RT 7499 N	37.1	-/ -	31	1.8
NK	S76-L9	36.9	-/ -	27	1.4
AGSouth Genetics	AGSouth 825 RR	34.8	-/ -	29	1.8
PIONEER	97B52	33.4	-/ -	28	1.9
C.U.	SC00-947	31.7	-/ -	26	1.4
HARTZ	H7242RR	29.6	-/ -	27	1.9
AVERAGES		35.5	-/ -	29	1.8
L.S.D. (.10)		5.4			
C.V. (%)		15.6			

TABLE 28. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
CALHOUN FIELD LABORATORY, CLEMSON, SC

COMPANY OR BRAND NAME	VARIETY OR STRAIN	-----2003 DATA-----			
		YIELD (BU/A)	MATURITY (DATE)	PLANT HEIGHT (IN)	LODGING

MATURITY GROUP VII & VIII					
AGSouth Genetics	AGSouth 751	61.3	-/ -	44	2.5
DELTA & PINE LAND	DP7220 RR	61.0	-/ -	41	3.5
DELTA & PINE LAND	DPX7870 RR	60.6	-/ -	40	4.0
Vigoro	Ex470002	59.4	-/ -	48	2.5
C.U.	SC00-579	57.8	-/ -	40	2.7
NK	S76-L9	55.8	-/ -	32	1.7
Vigoro	V71N4RR	54.1	-/ -	27	1.7
NK	NK S73-Z5	53.8	-/ -	35	2.5
C.U.	SC00-693	52.6	-/ -	38	4.0
UniSouth Genetics	7732nRR	52.5	-/ -	36	3.5
Southern States	RT 7499 N	51.9	-/ -	38	2.2
Vigoro	V74N4RR	51.8	-/ -	40	3.3
UniSouth Genetics	7743nRR	50.2	-/ -	40	3.2
ASGROW	AG7601	49.9	-/ -	35	1.7
UGA	G-02-G176376	49.9	-/ -	31	2.3
C.U.	SC00-559	49.4	-/ -	41	3.3
PIONEER	97B52	48.9	-/ -	36	2.7
C.U.	SC00-947	47.8	-/ -	33	1.8
AGSouth Genetics	AGSouth 825 RR	47.0	-/ -	35	2.2
UGA	G-02-G42164	46.9	-/ -	33	1.5
HARTZ	H7242RR	46.6	-/ -	41	3.3
C.U.	SC00-625	46.2	-/ -	40	3.8
C.U.	SC00-646	46.1	-/ -	44	3.8
AGSouth Genetics	Prichard RR	45.6	-/ -	38	3.0
UniSouth Genetics	7713nRR	43.1	-/ -	32	1.0

AVERAGES		51.6	-/ -	37	2.7

L.S.D. (.10)		9.1			
C.V. (%)		12.8			
STD. ERROR OF ENTRY MEAN		3.8	DF=48		
R-SQUARED		0.49			

TABLE 29. ROUNDUP RESISTANT SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
 CALHOUN FIELD LABORATORY, CLEMSON, SC
 MEANS ADJUSTED BY LATTICE PROCEDURE

		---2003 DATA---
COMPANY OR BRAND NAME	VARIETY OR STRAIN	YIELD (BU/A)

MATURITY GROUP VII & VIII		
AGSouth Genetics	AGSouth 751	61.2
DELTA & PINE LAND	DP7220 RR	60.4
DELTA & PINE LAND C.U.	DPX7870 RR SC00-579	60.2 59.7
Vigoro NK	Ex470002 S76-L9	58.0 55.1
Southern States Vigoro	RT 7499 N V71N4RR	53.5 53.1
NK C.U.	NK S73-Z5 SC00-693	52.6 52.6
UniSouth Genetics Vigoro	7732nRR V74N4RR	52.5 51.8
UniSouth Genetics C.U.	7743nRR SC00-559	51.2 51.0
ASGROW PIONEER	AG7601 97B52	50.2 49.7
C.U. AGSouth Genetics	SC00-947 AGSouth 825	49.3 47.6
UGA C.U.	G-02-G42164 SC00-646	47.2 46.7
HARTZ C.U.	H7242RR SC00-625	46.1 45.6
AGSouth Genetics UGA	Prichard RR G-02-G176376	43.7 43.4
UniSouth Genetics	7713nRR	42.1

AVERAGES		51.4

L.S.D. (.10)		7.0
C.V. (%)		12.2
STD. ERROR OF ENTRY MEAN		3.8 DF=48
R-SQUARED		0.68
RELAVITE EFFICIENCY TO A RCBD		106.9%

TABLE 30. SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
 CALHOUN FIELD LABORATORY, CLEMSON, SC

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 & VI					
C.U.	SC97-1770	40.0	-/ -	29	2.0
PUBLIC	HUTCHESON	34.0	-/ -	25	1.4
NCSU	SOYOLA	31.4	-/ -	30	2.4
NCSU	NC-ROY	26.4	-/ -	27	1.8
AVERAGES		32.9	-/ -	28	1.9
L.S.D. (.10)		NS			
C.V. (%)		21.8			

TABLE 31. SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
CALHOUN FIELD LABORATORY, CLEMSON, SC

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 & VI					
C.U.	SC97-1770	36.4	-/ -	28	1.4
NCSU	SOYOLA	34.0	-/ -	31	2.3
UTK	5002T	34.0	-/ -	23	1.3
UTK	5601T	33.3	-/ -	27	1.4
PUBLIC	HUTCHESON	30.8	-/ -	24	1.3
NCSU	SATELLITE	28.8	-/ -	28	2.6
NCSU	NC-ROY	26.1	-/ -	27	1.3
AVERAGES		31.9	-/ -	27	1.7
L.S.D. (.10)		NS			
C.V. (%)		22.7			

TABLE 32. SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
CALHOUN FIELD LABORATORY, CLEMSON, SC

COMPANY OR BRAND NAME	VARIETY OR STRAIN	-----2003 DATA-----			
		YIELD (BU/A)	MATURITY (DATE)	PLANT HEIGHT (IN)	LODGING

MATURITY GROUP V & VI					
C.U.	SC00-1741	46.1	-/ -	34	1.7
UTK	5601T	43.0	-/ -	32	1.5
C.U.	SC97-1770	42.7	-/ -	32	1.5
UTK	5002T	40.5	-/ -	25	1.2
NCSU	SATELLITE	40.2	-/ -	32	2.7
PUBLIC	HUTCHESON	38.8	-/ -	26	1.2
NCSU	SOYOLA	38.5	-/ -	38	2.5
NCSU	NC-ROY	36.4	-/ -	31	1.5

AVERAGES		40.7	-/ -	31	1.7

L.S.D. (.10)		NS			
C.V. (%)		18.8			
STD. ERROR OF ENTRY MEAN		4.4	DF=14		
R-SQUARED		0.23			

TABLE 33. SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
 CALHOUN FIELD LABORATORY, CLEMSON, SC
 NEAREST NEIGHBOR ANALYSIS

		---2003 DATA---
COMPANY OR	VARIETY	YIELD
BRAND NAME	OR STRAIN	(BU/A)

MATURITY GROUP V & VI		
C.U.	SC97-1770	49.8
C.U.	SC00-1741	48.5
NCSU	SOYOLA	42.1
UTK	5002T	38.7
PUBLIC	HUTCHESON	38.3
UTK	5601T	36.8
NCSU	NC-ROY	36.7
NCSU	SATELLITE	35.3

AVERAGES		40.8

L.S.D. (.10)		8.0
C.V. (%)		13.3

TABLE 34. SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
 CALHOUN FIELD LABORATORY, CLEMSON, SC

COMPANY OR BRAND NAME	VARIETY OR STRAIN	3-YEAR AVERAGES			
		YIELD	MATURITY	PLANT HEIGHT	LODGING
		(BU/A)	(DATE)	(IN)	
-----2001-03 DATA-----					
Maturity Group VII & VIII					
PUBLIC	KUELL	40.7	-/ -	34	2.6
PUBLIC	MOTTE	38.1	-/ -	36	3.1
NCSU	N7001	37.1	-/ -	25	2.7
C.U.	SC96-1476	36.5	-/ -	30	2.7
PUBLIC	COOK	34.9	-/ -	32	2.4
C.U.	SC98-318	33.7	-/ -	27	1.9
AVERAGES		36.8	-/ -	30	2.6
L.S.D. (.10)		NS			
C.V. (%)		15.9			

TABLE 35. SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
CALHOUN FIELD LABORATORY, CLEMSON, SC

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					
PUBLIC	KUELL	39.6	-/ -	34	2.1
C.U.	SC96-1476	36.8	-/ -	31	2.4
PUBLIC	COOK	36.7	-/ -	30	2.0
NCSU	NC-RALEIGH	35.9	-/ -	26	2.5
PUBLIC	MOTTE	34.8	-/ -	33	2.9
NCSU	N7001	33.8	-/ -	25	2.3
C.U.	SC98-318	28.5	-/ -	24	1.4
AVERAGES		35.1	-/ -	29	2.2
L.S.D. (.10)		NS			
C.V. (%)		16.2			

TABLE 36. SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
CALHOUN FIELD LABORATORY, CLEMSON, SC

COMPANY OR BRAND NAME	VARIETY OR STRAIN	-----2003 DATA-----			
		YIELD (BU/A)	MATURITY (DATE)	PLANT HEIGHT (IN)	LODGING

MATURITY GROUP VII & VIII					
NCSU	N97-9658	57.3	-/ -	34	3.2
PUBLIC	COOK	55.3	-/ -	35	2.7
C.U.	SC98-469	54.9	-/ -	39	3.5
C.U.	SC97-1746	53.9	-/ -	35	2.8
NCSU	NC-RALEIGH	50.7	-/ -	31	3.5
PUBLIC	KUELL	49.6	-/ -	42	3.0
C.U.	SC98-1063	49.2	-/ -	34	3.8
PUBLIC	MOTTE	47.3	-/ -	37	3.8
C.U.	SC97-2010	46.3	-/ -	32	4.0
C.U.	SC96-1476	46.2	-/ -	35	3.3
C.U.	SC98-318	44.2	-/ -	27	1.7
NCSU	N7001	41.5	-/ -	29	3.3

AVERAGES		49.7	-/ -	34	3.2

L.S.D. (.10)		NS			
C.V. (%)		12.9			
STD. ERROR OF ENTRY MEAN		3.7	DF=22		
R-SQUARED		0.52			

TABLE 37. SOYBEAN VARIETY PERFORMANCE: PIEDMONT:
 CALHOUN FIELD LABORATORY, CLEMSON, SC
 NEAREST NEIGHBOR ANALYSIS

		---2003 DATA---
COMPANY OR	VARIETY	YIELD
BRAND NAME	OR STRAIN	(BU/A)

MATURITY GROUP VII & VIII		
C.U.	SC98-469	57.2
NCSU	N97-9658	56.3
C.U.	SC97-1746	54.5
PUBLIC	MOTTE	53.9
PUBLIC	COOK	53.5
PUBLIC	KUELL	50.9
NCSU	NC-RALEIGH	49.7
C.U.	SC96-1476	48.1
C.U.	SC98-1063	46.6
C.U.	SC98-318	43.7
C.U.	SC97-2010	43.0
NCSU	N7001	39.0

AVERAGES		49.7

L.S.D. (.10)		7.3
C.V. (%)		10.1
