

2006 REGIONAL SOYBEAN TEST - Local Anova
 LIST OF CHECK MATURITY DATES FOR EACH TEST

1

13:54 Wednesday, January 31, 2007

LOCATION	TTYPE	VARIETY	REP	CKDATE
ATHENS,GA(A)	PVIII	PRICHARD RR	.	10/31
		PRICHARD RR	1	10/31
		PRICHARD RR	2	10/31
BLACKVILLE,SC(A)	PVIII	PRICHARD RR	.	11/02
		PRICHARD RR	1	11/03
		PRICHARD RR	2	11/02
FLORENCE,SC	PVIII	PRICHARD RR	.	11/02
		PRICHARD RR	1	11/02
		PRICHARD RR	2	11/02
KINSTON,NC	PVIII	PRICHARD RR	.	11/10
		PRICHARD RR	1	11/07
		PRICHARD RR	2	11/13
PLAINS,GA	PVIII	PRICHARD RR	.	.
		PRICHARD RR	1	.
		PRICHARD RR	2	.
TALLASSEE,AL(A)	PVIII	PRICHARD RR	.	10/28
		PRICHARD RR	1	10/27
		PRICHARD RR	2	10/29

----- LOCATION=ATHENS,GA(A) TTYPE=PVIII -----

ENTRYNO	VARIETY	_FREQ_	YIELD	MATURITY	LOGGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL
1	PRICHARD RR	2	45.1497	0.0	2.5	44.0	2.00	13.30	42.4	17.2
2	COOK	2	54.8018	-5.5	2.5	41.5	2.00	16.60	41.2	18.7
3	Au03-2801	2	50.7567	-3.0	2.0	37.0	1.50	15.20	37.0	18.8
4	Au03-3730	2	46.4046	-2.0	2.0	39.0	2.00	17.80	40.9	17.8
5	Au03-3914	2	49.8089	-2.5	2.0	43.5	2.00	16.70	40.4	17.5
6	G03-1433 RR	2	42.7067	-2.0	2.0	41.0	2.00	15.05	38.9	18.2
7	G03-2014 RR	2	45.7505	-3.0	2.5	44.0	2.25	13.15	43.2	17.1
8	G03-2320 RR	2	40.1969	-1.5	2.5	42.0	1.75	14.90	39.8	18.0
9	G03-2388 RR	2	45.1097	1.0	2.5	42.5	2.00	16.25	43.4	16.0
10	G03-2461 RR	2	48.6474	-2.5	2.5	42.0	1.75	14.50	41.8	18.0
11	G03-2473 RR	2	43.8548	-1.0	2.5	45.5	1.75	14.80	40.9	17.8
12	G03-2486 RR	2	46.6983	-2.0	3.0	45.0	2.00	14.70	41.4	17.7
13	N01-11424	2	56.0567	-1.5	2.0	33.5	1.75	16.15	41.2	17.0
14	N04-8801	2	42.7067	-0.5	2.5	40.5	2.00	19.00	38.3	16.8
15	N04-8803	2	41.2916	-0.5	2.5	38.5	2.00	22.95	40.0	18.2
16	N04-8826	2	44.8026	1.0	2.5	38.5	2.50	20.05	40.1	16.2
17	N04-8830	2	47.3525	0.0	1.5	34.5	2.50	17.10	39.0	19.0
18	N04-8832	2	40.5974	1.0	2.0	33.0	2.25	18.30	38.8	18.2
19	N04-8866	2	42.5999	-2.0	2.0	38.5	2.50	23.95	41.3	18.6
20	N04-8891	2	40.7042	0.0	2.0	41.5	2.25	23.75	41.1	17.6
21	SC03-060RR	2	36.2586	-3.5	1.5	44.0	2.00	13.25	37.7	19.4
22	SC03-061RR	2	37.2599	-2.5	2.0	40.0	2.25	13.95	39.3	18.4
23	SC03-062RR	2	47.1522	0.0	2.0	33.5	2.00	13.50	38.5	19.1
24	SC03-140RR	2	43.8948	-2.0	2.0	40.0	1.75	14.75	42.4	18.0
25	SC03-168RR	2	43.7079	-3.0	2.5	46.5	2.00	14.75	39.4	18.4
26	SC03-173RR	2	45.2031	-2.5	2.0	40.5	2.25	13.85	40.4	19.1
27	SC03-9259RR	2	36.2586	-1.5	2.0	44.0	2.25	12.00	38.1	19.5

----- LOCATION=BLACKVILLE,SC(A) TTYPE=PVIII -----

ENTRYNO	VARIETY	_FREQ_	YIELD	MATURITY	LOGGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL
1	PRICHARD RR	2	47.7750	0.0	2.75	48.5	.	14.0	43.2	18.5
2	COOK	2	49.4550	-8.0	3.00	43.0	.	17.1	42.4	19.1
3	Au03-2801	2	56.3850	-7.5	2.50	40.5	.	16.1	39.5	19.6
4	Au03-3730	2	49.5600	-4.0	3.00	43.0	.	18.2	40.9	20.0
5	Au03-3914	2	52.5000	-7.5	2.25	45.5	.	15.1	42.4	18.9
6	G03-1433 RR	2	43.5750	-6.0	2.25	43.5	.	14.5	42.0	18.7
7	G03-2014 RR	2	51.9750	-6.0	2.50	47.0	.	14.4	42.7	19.0
8	G03-2320 RR	2	27.9825	-3.0	3.25	50.0	.	13.3	43.9	18.0
9	G03-2388 RR	2	47.2500	-6.0	2.50	48.0	.	14.8	43.6	18.4
10	G03-2461 RR	2	51.9750	-6.0	1.75	45.0	.	14.3	42.6	19.0
11	G03-2473 RR	2	48.7725	-5.0	2.75	47.0	.	14.9	43.1	18.9
12	G03-2486 RR	2	47.6175	-6.0	3.00	46.0	.	13.3	41.7	19.3
13	N01-11424	2	57.8025	-5.0	3.00	42.5	.	16.8	42.6	17.8
14	N04-8801	2	55.0725	-5.0	2.25	41.5	.	18.8	39.5	18.9
15	N04-8803	2	56.7525	-6.0	2.50	47.0	.	20.9	39.6	20.2
16	N04-8826	2	46.5675	-4.0	2.25	44.0	.	21.1	40.6	18.4
17	N04-8830	2	47.3550	-5.5	1.75	38.0	.	19.1	41.2	19.7
18	N04-8832	2	51.9225	-0.5	2.50	39.0	.	20.6	40.6	19.1
19	N04-8866	2	50.0850	-7.0	2.25	40.0	.	23.6	42.0	18.8
20	N04-8891	2	37.4850	-5.0	1.75	51.0	.	25.2	41.2	18.7
21	SC03-060RR	2	51.0300	-5.5	2.25	46.0	.	14.7	40.2	20.5
22	SC03-061RR	2	50.5575	-4.5	2.50	43.5	.	15.1	39.7	20.1
23	SC03-062RR	2	55.8075	-2.0	2.75	45.0	.	15.3	38.4	21.2
24	SC03-140RR	2	48.6675	-7.0	1.75	45.0	.	14.9	43.6	19.3
25	SC03-168RR	2	52.5525	-4.5	3.25	52.0	.	16.4	41.5	19.7
26	SC03-173RR	2	51.1350	-7.0	2.00	45.0	.	13.7	41.6	20.8
27	SC03-9259RR	2	46.2525	-2.0	3.00	45.5	.	14.0	41.5	19.3

----- LOCATION=FLORENCE,SC TTYPE=PVIII -----

ENTRYNO	VARIETY	_FREQ_	YIELD	MATURITY	LOGGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL
1	PRICHARD RR	2	42.4725	0.0	1.5	36.5	.	11.8	41.6	19.0
2	COOK	2	43.2075	-5.0	2.0	28.5	.	13.6	40.5	19.1
3	Au03-2801	2	47.5650	-1.5	1.0	27.5	.	14.4	37.1	19.8
4	Au03-3730	2	41.9475	-2.0	1.5	32.0	.	16.9	38.0	20.1
5	Au03-3914	2	46.0425	-1.5	2.0	35.0	.	15.4	39.6	19.0
6	G03-1433 RR	2	40.0050	-3.0	2.0	32.0	.	13.4	41.4	18.2
7	G03-2014 RR	2	46.2000	-2.5	2.0	37.0	.	12.3	42.3	18.4
8	G03-2320 RR	2	41.3175	0.0	2.0	40.0	.	13.6	42.6	17.6
9	G03-2388 RR	2	48.2475	-0.5	1.5	29.0	.	14.9	41.9	18.2
10	G03-2461 RR	2	42.8400	0.0	1.5	28.0	.	13.6	41.6	18.9
11	G03-2473 RR	2	45.6750	-2.0	2.0	39.0	.	13.3	41.1	18.8
12	G03-2486 RR	2	41.5800	-1.5	2.0	37.5	.	13.0	40.7	19.2
13	N01-11424	2	45.0975	0.5	1.5	26.0	.	14.6	41.1	17.9
14	N04-8801	2	48.5100	0.0	1.5	33.0	.	18.2	40.0	17.9
15	N04-8803	2	43.2600	0.5	1.0	28.0	.	19.4	39.8	19.6
16	N04-8826	2	43.9950	1.5	2.0	28.5	.	19.5	40.9	18.6
17	N04-8830	2	43.6275	1.0	2.0	28.0	.	17.3	40.6	19.2
18	N04-8832	2	40.2675	1.5	1.5	28.5	.	18.5	40.3	19.0
19	N04-8866	2	46.1475	-2.5	1.5	28.0	.	21.6	41.8	19.2
20	N04-8891	2	45.2550	1.0	2.0	35.0	.	22.4	41.9	18.2
21	SC03-060RR	2	45.6225	-1.5	1.0	28.5	.	14.5	38.4	20.1
22	SC03-061RR	2	47.9325	0.0	1.5	25.5	.	13.8	39.2	19.4
23	SC03-062RR	2	42.7350	0.0	2.0	31.5	.	12.6	39.6	19.4
24	SC03-140RR	2	38.5350	-2.0	1.5	29.0	.	12.6	43.3	18.1
25	SC03-168RR	2	43.7850	-1.5	2.0	40.5	.	14.9	41.2	18.3
26	SC03-173RR	2	50.6100	-3.0	2.0	32.0	.	12.3	39.1	20.7
27	SC03-9259RR	2	42.7350	-1.5	1.5	32.0	.	12.6	40.2	19.9

----- LOCATION=KINSTON,NC TTYPE=PVIII -----

ENTRYNO	VARIETY	_FREQ_	YIELD	MATURITY	LOGGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL
1	PRICHARD RR	2	33.7755	0.0	3.25	37	.	15.0	.	.
2	COOK	2	.	-5.0	3.00	30	.	17.8	.	.
3	Au03-2801	2	33.9570	-4.0	3.00	29	.	17.0	.	.
4	Au03-3730	2	38.4285	-2.5	2.75	35	.	19.7	.	.
5	Au03-3914	2	34.4355	-4.0	2.50	35	.	16.0	.	.
6	G03-1433 RR	2	36.2670	-1.5	3.00	33	.	18.5	.	.
7	G03-2014 RR	2	38.2305	-4.0	2.75	38	.	14.6	.	.
8	G03-2320 RR	2	37.2735	-2.5	3.00	38	.	15.9	.	.
9	G03-2388 RR	2	39.0885	-1.5	2.75	36	.	17.3	.	.
10	G03-2461 RR	2	40.7220	1.5	2.50	36	.	16.8	.	.
11	G03-2473 RR	2	36.5970	-1.0	3.50	36	.	15.9	.	.
12	G03-2486 RR	2	37.1910	-3.0	3.00	40	.	16.1	.	.
13	N01-11424	2	37.3230	0.0	2.50	28	.	17.0	.	.
14	N04-8801	2	41.0850	-3.0	3.50	37	.	20.7	.	.
15	N04-8803	2	35.0130	-1.0	2.25	34	.	22.9	.	.
16	N04-8826	2	43.9560	2.5	2.25	32	.	21.8	.	.
17	N04-8830	2	38.9730	2.0	2.25	29	.	20.7	.	.
18	N04-8832	2	36.3660	2.0	2.25	28	.	22.0	.	.
19	N04-8866	2	39.8475	-2.0	2.50	34	.	27.0	.	.
20	N04-8891	2	35.9370	0.5	2.75	37	.	26.2	.	.
21	SC03-060RR	2	39.8475	-1.5	2.75	34	.	16.5	.	.
22	SC03-061RR	2	39.6330	0.5	2.50	34	.	16.2	.	.
23	SC03-062RR	2	44.8800	0.5	2.50	32	.	15.6	.	.
24	SC03-140RR	2	36.6300	-4.0	2.50	35	.	17.8	.	.
25	SC03-168RR	2	35.0625	-4.0	3.50	37	.	17.6	.	.
26	SC03-173RR	2	39.5340	-2.0	3.75	31	.	15.5	.	.
27	SC03-9259RR	2	39.5505	2.0	3.00	37	.	15.3	.	.

----- LOCATION=PLAINS,GA TTYPE=PVIII -----

ENTRYNO	VARIETY	_FREQ_	YIELD	MATURITY	LOGGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL
1	PRICHARD RR	2	45.6437	.	3.5	43.0	1.50	13.40	45.7	18.3
2	COOK	2	56.8043	.	3.0	37.0	1.50	16.70	43.0	18.4
3	Au03-2801	2	52.3053	.	2.0	42.5	1.50	15.55	40.2	19.4
4	Au03-3730	2	55.0554	.	2.5	43.5	1.75	17.75	42.4	19.3
5	Au03-3914	2	46.5515	.	3.0	42.0	1.50	16.80	43.7	18.4
6	G03-1433 RR	2	52.2519	.	2.0	42.0	1.75	14.45	43.7	18.5
7	G03-2014 RR	2	54.7083	.	3.0	43.0	1.50	12.45	46.1	17.9
8	G03-2320 RR	2	50.5565	.	2.0	47.0	1.75	13.75	45.6	16.8
9	G03-2388 RR	2	53.1998	.	3.0	45.0	2.00	16.10	45.5	17.7
10	G03-2461 RR	2	47.2457	.	3.5	41.5	1.75	15.95	45.9	18.5
11	G03-2473 RR	2	50.7434	.	3.0	41.5	1.50	13.05	45.6	18.6
12	G03-2486 RR	2	42.3996	.	3.5	41.5	1.50	14.65	43.6	18.7
13	N01-11424	2	53.3066	.	2.0	39.0	2.00	17.15	43.8	17.2
14	N04-8801	2	48.2603	.	3.5	42.5	2.00	18.05	42.0	17.5
15	N04-8803	2	56.5106	.	3.0	40.0	1.50	19.75	41.2	19.4
16	N04-8826	2	53.4000	.	3.0	42.0	1.75	18.20	42.4	18.3
17	N04-8830	2	56.3504	.	2.0	36.0	1.75	18.70	41.0	19.5
18	N04-8832	2	47.2991	.	3.5	41.0	2.25	17.60	41.4	18.8
19	N04-8866	2	56.4572	.	2.0	40.5	2.25	22.50	44.4	19.4
20	N04-8891	2	52.3454	.	2.5	45.5	2.25	23.00	43.7	18.0
21	SC03-060RR	2	51.4643	.	2.5	44.5	1.50	14.65	40.2	20.5
22	SC03-061RR	2	55.0955	.	3.0	43.5	1.75	15.30	40.0	20.1
23	SC03-062RR	2	52.3454	.	3.0	40.0	1.75	14.35	39.9	20.0
24	SC03-140RR	2	55.2957	.	2.0	41.0	1.50	14.80	46.0	18.5
25	SC03-168RR	2	57.4584	.	4.0	47.0	1.75	17.05	42.8	19.0
26	SC03-173RR	2	56.0567	.	2.0	43.5	1.50	14.70	42.3	19.8
27	SC03-9259RR	2	50.3562	.	2.0	45.0	1.25	13.85	42.4	19.8

----- LOCATION=TALLASSEE,AL(A) TTYPE=PVIII -----

ENTRYNO	VARIETY	_FREQ_	YIELD	MATURITY	LOGGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL
1	PRICHARD RR	2	51.2507	0	0	39.0	1	13.8	44.6	17.8
2	COOK	2	41.9457	-3	0	33.5	1	16.1	42.7	18.9
3	Au03-2801	2	58.5398	-3	0	35.5	1	16.3	39.1	20.2
4	Au03-3730	2	47.4593	-2	0	38.0	1	18.2	42.3	18.8
5	Au03-3914	2	47.4860	-3	0	42.5	1	17.6	42.6	18.4
6	G03-1433 RR	2	42.0659	-3	0	37.5	1	16.6	43.6	18.5
7	G03-2014 RR	2	47.7930	-3	0	39.5	1	13.4	44.4	17.4
8	G03-2320 RR	2	47.0855	-1	0	39.5	1	15.4	45.7	16.3
9	G03-2388 RR	2	50.8769	-2	0	44.0	1	17.5	44.1	18.0
10	G03-2461 RR	2	51.4109	-2	0	41.5	1	15.7	44.4	18.9
11	G03-2473 RR	2	40.0100	-1	0	38.0	1	15.3	43.3	18.6
12	G03-2486 RR	2	51.0104	-1	0	39.0	1	13.9	42.4	19.2
13	N01-11424	2	28.1685	-1	0	33.5	1	16.2	43.9	16.6
14	N04-8801	2	42.9870	-1	0	38.0	1	8.5	40.6	18.0
15	N04-8803	2	39.9833	-1	0	35.0	1	21.7	40.1	19.8
16	N04-8826	2	39.6629	0	0	34.0	1	19.5	41.7	18.2
17	N04-8830	2	44.9628	-2	0	33.0	1	18.3	42.5	19.6
18	N04-8832	2	40.9445	0	0	31.5	1	19.0	42.7	18.1
19	N04-8866	2	46.0175	-2	0	31.5	1	23.0	43.5	19.6
20	N04-8891	2	35.3241	-1	0	38.5	1	24.0	42.2	18.3
21	SC03-060RR	2	48.2202	-1	0	36.5	1	16.2	41.6	19.2
22	SC03-061RR	2	54.1076	0	0	37.5	1	16.7	41.5	20.2
23	SC03-062RR	2	49.2482	1	0	33.5	1	15.9	39.4	19.9
24	SC03-140RR	2	46.8318	-3	0	38.5	1	15.5	45.1	18.3
25	SC03-168RR	2	50.5565	-1	0	39.0	1	17.3	43.9	18.1
26	SC03-173RR	2	46.2311	-3	0	38.0	1	14.3	42.0	20.3
27	SC03-9259RR	2	48.4205	1	0	39.5	1	14.6	42.1	19.2

----- LOCATION=ATHENS,GA(A) TTYPE=PVIII -----

The ANOVA Procedure

Class Level Information

Class	Levels	Values
VARIETY	27	Au03-2801 Au03-3730 Au03-3914 C00K G03-1433 RR G03-2014 RR G03-2320 RR G03-2388 RR G03-2461 RR G03-2473 RR G03-2486 RR N01-11424 N04-8801 N04-8803 N04-8826 N04-8830 N04-8832 N04-8866 N04-8891 PRICHARD RR SC03-060RR SC03-061RR SC03-062RR SC03-140RR SC03-168RR SC03-173RR SC03-9259RR
REP	2	1 2

Number of Observations Read	54
Number of Observations Used	54

Dependent Variable: YIELD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	27	1281.581165	47.465969	2.69	0.0069
Error	26	458.821021	17.646962		
Corrected Total	53	1740.402186			

R-Square	Coeff Var	Root MSE	YIELD Mean
0.736371	9.406931	4.200829	44.65674

Source	DF	Anova SS	Mean Square	F Value	Pr > F
REP	1	65.004492	65.004492	3.68	0.0660
VARIETY	26	1216.576674	46.791411	2.65	0.0078

----- LOCATION=ATHENS,GA(A) TTYPE=PVIII -----

The ANOVA Procedure

t Tests (LSD) for YIELD

NOTE: This test controls the Type I comparisonwise error rate, not the experimentwise error rate.

Alpha 0.05
 Error Degrees of Freedom 26
 Error Mean Square 17.64696
 Critical Value of t 2.05553
 Least Significant Difference 8.6349

Means with the same letter are not significantly different.

t	Grouping	Mean	N	VARIETY
	A	56.057	2	N01-11424
	A			
B	A	54.802	2	COOK
B	A			
B	A C	50.757	2	Au03-2801
B	A C			
B	D A C	49.809	2	Au03-3914
B	D A C			
E	B D A C	48.647	2	G03-2461 RR
E	B D C			
E	B D C	47.352	2	N04-8830
E	B D C			
E	B D C	47.152	2	SC03-062RR
E	B D C			
E	B D C	46.698	2	G03-2486 RR
E	B D C			
E	B D C	46.405	2	Au03-3730
E	D C			
E	D F C	45.750	2	G03-2014 RR
E	D F C			
E	D F C	45.203	2	SC03-173RR
E	D F C			
E	D F C	45.150	2	PRICHARD RR
E	D F C			
E	D F C	45.110	2	G03-2388 RR
E	D F C			
E	G D F C	44.803	2	N04-8826
E	G D F C			
E	G D F C	43.895	2	SC03-140RR

----- LOCATION=ATHENS,GA(A) TTYPE=PVIII -----

The ANOVA Procedure

t Tests (LSD) for YIELD

Means with the same letter are not significantly different.

t Grouping					Mean	N	VARIETY
E	G	D	F	C			
E	G	D	F	C	43.855	2	G03-2473 RR
E	G	D	F	C			
E	G	D	F	C	43.708	2	SC03-168RR
E	G	D	F	C			
E	G	D	F	C	42.707	2	G03-1433 RR
E	G	D	F	C			
E	G	D	F	C	42.707	2	N04-8801
E	G	D	F	C			
E	G	D	F	C	42.600	2	N04-8866
E	G	D	F				
E	G	D	F		41.292	2	N04-8803
E	G		F				
E	G		F		40.704	2	N04-8891
E	G		F				
E	G		F		40.597	2	N04-8832
E	G		F				
E	G		F		40.197	2	G03-2320 RR
	G		F				
	G		F		37.260	2	SC03-061RR
	G						
	G				36.259	2	SC03-060RR
	G						
	G				36.259	2	SC03-9259RR

----- LOCATION=BLACKVILLE,SC(A) TTYPE=PVIII -----

The ANOVA Procedure

Class Level Information

Class	Levels	Values
VARIETY	27	Au03-2801 Au03-3730 Au03-3914 COOK G03-1433 RR G03-2014 RR G03-2320 RR G03-2388 RR G03-2461 RR G03-2473 RR G03-2486 RR N01-11424 N04-8801 N04-8803 N04-8826 N04-8830 N04-8832 N04-8866 N04-8891 PRICHARD RR SC03-060RR SC03-061RR SC03-062RR SC03-140RR SC03-168RR SC03-173RR SC03-9259RR
REP	2	1 2

Number of Observations Read	54
Number of Observations Used	54

Dependent Variable: YIELD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	27	2033.199263	75.303676	2.27	0.0202
Error	26	864.099075	33.234580		
Corrected Total	53	2897.298338			

R-Square	Coeff Var	Root MSE	YIELD Mean
0.701757	11.66934	5.764944	49.40250

Source	DF	Anova SS	Mean Square	F Value	Pr > F
REP	1	110.295937	110.295937	3.32	0.0800
VARIETY	26	1922.903325	73.957820	2.23	0.0231

----- LOCATION=BLACKVILLE,SC(A) TTYPE=PVIII -----

The ANOVA Procedure

t Tests (LSD) for YIELD

NOTE: This test controls the Type I comparisonwise error rate, not the experimentwise error rate.

Alpha 0.05
 Error Degrees of Freedom 26
 Error Mean Square 33.23458
 Critical Value of t 2.05553
 Least Significant Difference 11.85

Means with the same letter are not significantly different.

t Grouping	Mean	N	VARIETY
A	57.803	2	N01-11424
A			
A	56.753	2	N04-8803
A			
A	56.385	2	Au03-2801
A			
A	55.808	2	SC03-062RR
A			
B	55.073	2	N04-8801
B			
B	52.553	2	SC03-168RR
B			
B	52.500	2	Au03-3914
B			
B	51.975	2	G03-2014 RR
B			
B	51.975	2	G03-2461 RR
B			
B	51.923	2	N04-8832
B			
B	51.135	2	SC03-173RR
B			
B	51.030	2	SC03-060RR
B			
B	50.558	2	SC03-061RR
B			
B	50.085	2	N04-8866
B			
B	49.560	2	Au03-3730

----- LOCATION=BLACKVILLE,SC(A) TTYPE=PVIII -----

The ANOVA Procedure

t Tests (LSD) for YIELD

Means with the same letter are not significantly different.

t Grouping	Mean	N	VARIETY
B A			
B A	49.455	2	COOK
B A			
B A C	48.773	2	G03-2473 RR
B A C			
B A C	48.668	2	SC03-140RR
B A C			
B A C	47.775	2	PRICHARD RR
B A C			
B A C	47.618	2	G03-2486 RR
B A C			
B A C	47.355	2	N04-8830
B A C			
B A C	47.250	2	G03-2388 RR
B A C			
B A C	46.568	2	N04-8826
B A C			
B A C	46.253	2	SC03-9259RR
B C			
B C	43.575	2	G03-1433 RR
D C	37.485	2	N04-8891
D			
D	27.983	2	G03-2320 RR

----- LOCATION=FLORENCE,SC TTYPE=PVIII -----

The ANOVA Procedure

Class Level Information

Class	Levels	Values
VARIETY	27	Au03-2801 Au03-3730 Au03-3914 COOK G03-1433 RR G03-2014 RR G03-2320 RR G03-2388 RR G03-2461 RR G03-2473 RR G03-2486 RR N01-11424 N04-8801 N04-8803 N04-8826 N04-8830 N04-8832 N04-8866 N04-8891 PRICHARD RR SC03-060RR SC03-061RR SC03-062RR SC03-140RR SC03-168RR SC03-173RR SC03-9259RR
REP	2	1 2

Number of Observations Read	54
Number of Observations Used	54

Dependent Variable: YIELD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	27	532.034650	19.704987	0.89	0.6185
Error	26	576.099533	22.157674		
Corrected Total	53	1108.134183			

R-Square	Coeff Var	Root MSE	YIELD Mean
0.480118	10.63359	4.707194	44.26722

Source	DF	Anova SS	Mean Square	F Value	Pr > F
REP	1	101.1882667	101.1882667	4.57	0.0422
VARIETY	26	430.8463833	16.5710147	0.75	0.7680

----- LOCATION=FLORENCE,SC TTYPE=PVIII -----

The ANOVA Procedure

t Tests (LSD) for YIELD

NOTE: This test controls the Type I comparisonwise error rate, not the experimentwise error rate.

Alpha 0.05
 Error Degrees of Freedom 26
 Error Mean Square 22.15767
 Critical Value of t 2.05553
 Least Significant Difference 9.6758

Means with the same letter are not significantly different.

t	Grouping	Mean	N	VARIETY
	A	50.610	2	SC03-173RR
	A			
B	A	48.510	2	N04-8801
B	A			
B	A	48.248	2	G03-2388 RR
B	A			
B	A C	47.933	2	SC03-061RR
B	A C			
B	A C	47.565	2	Au03-2801
B	A C			
B	A C	46.200	2	G03-2014 RR
B	A C			
B	A C	46.148	2	N04-8866
B	A C			
B	A C	46.043	2	Au03-3914
B	A C			
B	A C	45.675	2	G03-2473 RR
B	A C			
B	A C	45.623	2	SC03-060RR
B	A C			
B	A C	45.255	2	N04-8891
B	A C			
B	A C	45.098	2	N01-11424
B	A C			
B	A C	43.995	2	N04-8826
B	A C			
B	A C	43.785	2	SC03-168RR
B	A C			
B	A C	43.628	2	N04-8830

----- LOCATION=FLORENCE,SC TTYPE=PVIII -----

The ANOVA Procedure

t Tests (LSD) for YIELD

Means with the same letter are not significantly different.

t	Grouping	Mean	N	VARIETY
B	A C			
B	A C	43.260	2	N04-8803
B	A C			
B	A C	43.208	2	COOK
B	A C			
B	A C	42.840	2	G03-2461 RR
B	A C			
B	A C	42.735	2	SC03-062RR
B	A C			
B	A C	42.735	2	SC03-9259RR
B	A C			
B	A C	42.473	2	PRICHARD RR
B	A C			
B	A C	41.948	2	Au03-3730
B	A C			
B	A C	41.580	2	G03-2486 RR
B	A C			
B	A C	41.318	2	G03-2320 RR
B	C			
B	C	40.268	2	N04-8832
B	C			
B	C	40.005	2	G03-1433 RR
	C			
	C	38.535	2	SC03-140RR

----- LOCATION=KINSTON,NC TTYPE=PVIII -----

The ANOVA Procedure

Class Level Information

Class	Levels	Values
VARIETY	27	Au03-2801 Au03-3730 Au03-3914 COOK G03-1433 RR G03-2014 RR G03-2320 RR G03-2388 RR G03-2461 RR G03-2473 RR G03-2486 RR N01-11424 N04-8801 N04-8803 N04-8826 N04-8830 N04-8832 N04-8866 N04-8891 PRICHARD RR SC03-060RR SC03-061RR SC03-062RR SC03-140RR SC03-168RR SC03-173RR SC03-9259RR
REP	2	1 2

Number of Observations Read 54
 Number of Observations Used 52

----- LOCATION=KINSTON,NC TTYPE=PVIII -----

The ANOVA Procedure

Dependent Variable: YIELD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	26	472.0340028	18.1551540	0.94	0.5644
Error	25	483.7794542	19.3511782		
Corrected Total	51	955.8134571			

R-Square 0.493856
 Coeff Var 11.55755
 Root MSE 4.398997
 YIELD Mean 38.06169

Source	DF	Anova SS	Mean Square	F Value	Pr > F
REP	1	79.7965588	79.7965588	4.12	0.0531
VARIETY	25	392.2374441	15.6894978	0.81	0.6980

----- LOCATION=KINSTON,NC TTYPE=PVIII -----

The ANOVA Procedure

t Tests (LSD) for YIELD

NOTE: This test controls the Type I comparisonwise error rate, not the experimentwise error rate.

Alpha 0.05
 Error Degrees of Freedom 25
 Error Mean Square 19.35118
 Critical Value of t 2.05954
 Least Significant Difference 9.0599

Means with the same letter are not significantly different.

t Grouping	Mean	N	VARIETY
A	44.880	2	SC03-062RR
A			
B A	43.956	2	N04-8826
B A			
B A C	41.085	2	N04-8801
B A C			
B A C	40.722	2	G03-2461 RR
B A C			
B A C	39.848	2	N04-8866
B A C			
B A C	39.848	2	SC03-060RR
B A C			
B A C	39.633	2	SC03-061RR
B A C			
B A C	39.551	2	SC03-9259RR
B A C			
B A C	39.534	2	SC03-173RR
B A C			
B A C	39.089	2	G03-2388 RR
B A C			
B A C	38.973	2	N04-8830
B A C			
B A C	38.429	2	Au03-3730
B A C			
B A C	38.231	2	G03-2014 RR
B A C			
B A C	37.323	2	N01-11424
B A C			
B A C	37.274	2	G03-2320 RR

----- LOCATION=KINSTON,NC TTYPE=PVIII -----

The ANOVA Procedure

t Tests (LSD) for YIELD

Means with the same letter are not significantly different.

t Grouping	Mean	N	VARIETY
B A C			
B A C	37.191	2	G03-2486 RR
B A C			
B A C	36.630	2	SC03-140RR
B A C			
B A C	36.597	2	G03-2473 RR
B A C			
B A C	36.366	2	N04-8832
B A C			
B A C	36.267	2	G03-1433 RR
B A C			
B A C	35.937	2	N04-8891
B C			
B C	35.063	2	SC03-168RR
B C			
B C	35.013	2	N04-8803
C			
C	34.436	2	Au03-3914
C			
C	33.957	2	Au03-2801
C			
C	33.776	2	PRICHARD RR

----- LOCATION=PLAINS,GA TTYPE=PVIII -----

The ANOVA Procedure

Class Level Information

Class	Levels	Values
VARIETY	27	Au03-2801 Au03-3730 Au03-3914 COOK G03-1433 RR G03-2014 RR G03-2320 RR G03-2388 RR G03-2461 RR G03-2473 RR G03-2486 RR N01-11424 N04-8801 N04-8803 N04-8826 N04-8830 N04-8832 N04-8866 N04-8891 PRICHARD RR SC03-060RR SC03-061RR SC03-062RR SC03-140RR SC03-168RR SC03-173RR SC03-9259RR
REP	2	1 2

Number of Observations Read	54
Number of Observations Used	54

Dependent Variable: YIELD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	27	840.430694	31.127063	2.53	0.0102
Error	26	319.861096	12.302350		
Corrected Total	53	1160.291790			

R-Square	Coeff Var	Root MSE	YIELD Mean
0.724327	6.718976	3.507471	52.20246

Source	DF	Anova SS	Mean Square	F Value	Pr > F
REP	1	45.2804493	45.2804493	3.68	0.0661
VARIETY	26	795.1502451	30.5827017	2.49	0.0119

----- LOCATION=PLAINS,GA TTYPE=PVIII -----

The ANOVA Procedure

t Tests (LSD) for YIELD

NOTE: This test controls the Type I comparisonwise error rate, not the experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	26
Error Mean Square	12.30235
Critical Value of t	2.05553
Least Significant Difference	7.2097

Means with the same letter are not significantly different.

t Grouping	Mean	N	VARIETY
A	57.458	2	SC03-168RR
A			
A	56.804	2	COOK
A			
A	56.511	2	N04-8803
A			
A	56.457	2	N04-8866
A			
A	56.350	2	N04-8830
A			
A	56.057	2	SC03-173RR
A			
B	55.296	2	SC03-140RR
B			
B	55.095	2	SC03-061RR
B			
B	55.055	2	Au03-3730
B			
B	54.708	2	G03-2014 RR
B			
B	53.400	2	N04-8826
B			
B	53.307	2	N01-11424
B			
B	53.200	2	G03-2388 RR
B			
B	52.345	2	N04-8891
B			
B	52.345	2	SC03-062RR

----- LOCATION=PLAINS,GA TTYPE=PVIII -----

The ANOVA Procedure

t Tests (LSD) for YIELD

Means with the same letter are not significantly different.

t Grouping				Mean	N	VARIETY
B	D	A	C			
B	D	A	C	52.305	2	Au03-2801
B	D	A	C			
B	D	A	C	52.252	2	G03-1433 RR
B	D	A	C			
B	D	A	C	51.464	2	SC03-060RR
B	D	A	C			
B	D	A	C	50.743	2	G03-2473 RR
B	D	A	C			
B	D	A	C	50.556	2	G03-2320 RR
B	D	A	C			
B	D	A	C	50.356	2	SC03-9259RR
B	D		C			
B	D	E	C	48.260	2	N04-8801
	D	E	C			
	D	E	C	47.299	2	N04-8832
	D	E	C			
	D	E	C	47.246	2	G03-2461 RR
	D	E	C			
	D	E	C	46.551	2	Au03-3914
	D	E				
	D	E		45.644	2	PRICHARD RR
		E				
		E		42.400	2	G03-2486 RR

----- LOCATION=TALLASSEE,AL(A) TTYPE=PVIII -----

The ANOVA Procedure

Class Level Information

Class	Levels	Values
VARIETY	27	Au03-2801 Au03-3730 Au03-3914 COOK G03-1433 RR G03-2014 RR G03-2320 RR G03-2388 RR G03-2461 RR G03-2473 RR G03-2486 RR N01-11424 N04-8801 N04-8803 N04-8826 N04-8830 N04-8832 N04-8866 N04-8891 PRICHARD RR SC03-060RR SC03-061RR SC03-062RR SC03-140RR SC03-168RR SC03-173RR SC03-9259RR
REP	2	1 2

Number of Observations Read	54
Number of Observations Used	54

Dependent Variable: YIELD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	27	2789.611826	103.318957	2.18	0.0251
Error	26	1230.497567	47.326830		
Corrected Total	53	4020.109393			

R-Square	Coeff Var	Root MSE	YIELD Mean
0.693914	14.99638	6.879450	45.87406

Source	DF	Anova SS	Mean Square	F Value	Pr > F
REP	1	806.281560	806.281560	17.04	0.0003
VARIETY	26	1983.330266	76.281933	1.61	0.1151

----- LOCATION=TALLASSEE,AL(A) TTYPE=PVIII -----

The ANOVA Procedure

t Tests (LSD) for YIELD

NOTE: This test controls the Type I comparisonwise error rate, not the experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	26
Error Mean Square	47.32683
Critical Value of t	2.05553
Least Significant Difference	14.141

Means with the same letter are not significantly different.

t Grouping	Mean	N	VARIETY
A	58.540	2	Au03-2801
B A	54.108	2	SC03-061RR
B A C	51.411	2	G03-2461 RR
B A C	51.251	2	PRICHARD RR
B A C	51.010	2	G03-2486 RR
B A C	50.877	2	G03-2388 RR
B A C	50.556	2	SC03-168RR
B D A C	49.248	2	SC03-062RR
B D A C	48.420	2	SC03-9259RR
B D A C	48.220	2	SC03-060RR
B D A C	47.793	2	G03-2014 RR
B D A C	47.486	2	Au03-3914
B D A C	47.459	2	Au03-3730
B D A C	47.085	2	G03-2320 RR
B D A C	46.832	2	SC03-140RR

----- LOCATION=TALLASSEE,AL(A) TTYPE=PVIII -----

The ANOVA Procedure

t Tests (LSD) for YIELD

Means with the same letter are not significantly different.

t Grouping				Mean	N	VARIETY
B	D	A	C	46.231	2	SC03-173RR
B	D	A	C	46.017	2	N04-8866
B	D	A	C	44.963	2	N04-8830
B	D		C	42.987	2	N04-8801
B	D	E	C	42.066	2	G03-1433 RR
B	D	E	C	41.946	2	COOK
B	D	E	C	40.944	2	N04-8832
B	D	E	C	40.010	2	G03-2473 RR
B	D	E	C	39.983	2	N04-8803
	D	E	C	39.663	2	N04-8826
	D	E		35.324	2	N04-8891
		E		28.169	2	N01-11424