

2005 REGIONAL SOYBEAN TEST - Local Anova
 LIST OF CHECK MATURITY DATES FOR EACH TEST

13:45 Wednesday, February 1, 2006

LOCATION	TTYPE	VARIETY	REP	CKDATE
ATHENS ,GA (A)	UVII	BENNING	.	10/16
		BENNING	1	10/16
		BENNING	2	10/17
		BENNING	3	10/16
ATHENS ,GA (B)	UVII	BENNING	.	10/25
		BENNING	1	10/25
		BENNING	2	10/25
		BENNING	3	10/25
BLACKVILLE ,SC (A)	UVII	BENNING	.	10/28
		BENNING	1	10/28
		BENNING	2	10/28
		BENNING	3	10/29
BLACKVILLE ,SC (B)	UVII	BENNING	.	.
		BENNING	1	.
		BENNING	2	.
		BENNING	3	.
CALHOUN ,GA	UVII	BENNING	.	10/22
		BENNING	1	10/26
		BENNING	2	10/20
		BENNING	3	10/21
FAIRHOPE ,AL	UVII	BENNING	.	10/24
		BENNING	1	10/26
		BENNING	2	10/23
		BENNING	3	10/25
KINSTON ,NC	UVII	BENNING	.	10/27
		BENNING	1	10/28
		BENNING	2	10/26
		BENNING	3	10/27
PLAINS ,GA	UVII	BENNING	.	.
		BENNING	1	.
		BENNING	2	.
		BENNING	3	.
TALLASSEE ,AL (A)	UVII	BENNING	.	10/20
		BENNING	1	10/21
		BENNING	2	10/19
		BENNING	3	10/21
TIFTON ,GA	UVII	BENNING	.	10/16
		BENNING	1	10/16
		BENNING	2	10/16
		BENNING	3	10/16

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

ENTRYNO	VARIETY	_FREQ_	YIELD	MATURITY	LODGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL
1	BENNING	3	46.4046	0.0000	1.00000	32.3333	2.16667	13.1000	.	.
2	HASKELL RR	3	46.8318	2.0000	2.00000	34.0000	1.66667	12.8667	.	.
3	G00-3209	3	55.4292	8.0000	1.33333	31.6667	2.00000	12.9667	.	.
4	G00-3213	3	52.5723	2.0000	1.00000	31.3333	1.83333	13.4667	.	.
5	G00-3322	3	47.0009	9.0000	1.00000	30.6667	2.16667	12.4333	.	.
6	G03-364 RR	3	47.8998	1.6667	1.00000	31.0000	2.00000	12.0667	.	.
7	G03-926 RR	3	42.9069	3.3333	1.66667	33.0000	2.00000	12.3333	.	.
8	N01-11136	3	43.9660	1.3333	1.00000	31.3333	2.33333	15.4667	.	.
9	N01-11777	3	45.4790	3.0000	1.00000	28.6667	2.00000	13.2333	.	.
10	N02-7084	3	50.1693	2.3333	1.00000	31.3333	2.00000	13.4333	.	.
11	N97-9658	3	49.0390	1.0000	1.00000	31.6667	2.00000	11.6000	.	.
12	N99-8137	3	45.3366	7.6667	1.00000	29.3333	2.16667	12.7000	.	.
13	SC00-601RR	3	41.6609	8.6667	1.33333	37.6667	2.00000	12.6667	.	.
14	SC01-796RR	3	44.2686	3.6667	1.33333	37.6667	1.83333	13.4667	.	.
15	SC01-819RR	3	39.7385	10.6667	1.00000	31.6667	2.00000	14.3000	.	.

----- LOCATION=ATHENS,GA(B) TTYPE=UVII -----

ENTRYNO	VARIETY	_FREQ_	YIELD	MATURITY	LODGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL
1	BENNING	3	49.9023	0.00000	1.33333	32.0000	2.00000	14.3333	.	.
2	HASKELL RR	3	51.7001	1.66667	2.66667	34.0000	1.66667	14.2333	.	.
3	G00-3209	3	66.5987	6.66667	2.00000	32.0000	1.66667	15.9333	.	.
4	G00-3213	3	58.0369	2.00000	1.33333	32.3333	2.00000	14.3667	.	.
5	G00-3322	3	64.1334	6.66667	1.66667	34.0000	1.66667	16.1333	.	.
6	G03-364 RR	3	52.1718	0.66667	1.33333	30.0000	1.83333	12.7333	.	.
7	G03-926 RR	3	48.8343	4.66667	2.66667	33.0000	2.00000	14.2000	.	.
8	N01-11136	3	51.2996	1.33333	2.33333	30.3333	2.00000	15.5333	.	.
9	N01-11777	3	50.1693	1.33333	2.33333	27.6667	2.00000	13.0667	.	.
10	N02-7084	3	54.3612	2.33333	2.00000	29.6667	2.00000	14.3667	.	.
11	N97-9658	3	58.5086	2.33333	2.33333	32.3333	2.00000	12.7667	.	.
12	N99-8137	3	56.1412	3.00000	2.00000	29.0000	2.16667	13.7333	.	.
13	SC00-601RR	3	51.2907	3.33333	1.66667	34.3333	2.00000	13.7333	.	.
14	SC01-796RR	3	55.5716	3.33333	2.00000	34.6667	2.00000	14.3667	.	.
15	SC01-819RR	3	54.9664	4.66667	1.00000	31.6667	1.66667	15.5000	.	.

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

ENTRYNO	VARIETY	_FREQ_	YIELD	MATURITY	LODGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL
1	BENNING	3	35.6979	0.00000	2.50000	35.6667	.	13.2	.	.
2	HASKELL RR	3	39.8357	3.66667	3.83333	35.0000	.	14.8	.	.
3	G00-3209	3	47.7608	5.66667	3.16667	32.3333	.	13.6	.	.
4	G00-3213	3	40.6282	1.33333	2.83333	33.6667	.	13.7	.	.
5	G00-3322	3	41.5821	3.66667	2.16667	35.0000	.	14.2	.	.
6	G03-364 RR	3	36.3711	0.00000	2.66667	35.0000	.	11.4	.	.
7	G03-926 RR	3	36.2028	6.66667	3.16667	34.6667	.	13.5	.	.
8	N01-11136	3	40.9789	-0.33333	2.33333	32.6667	.	14.7	.	.
9	N01-11777	3	38.8749	-0.33333	2.33333	32.0000	.	12.5	.	.
10	N02-7084	3	45.6287	1.33333	4.83333	32.6667	.	15.0	.	.
11	N97-9658	3	40.1583	0.66667	3.16667	33.3333	.	11.5	.	.
12	N99-8137	3	44.6679	1.66667	2.83333	31.6667	.	14.5	.	.
13	SC00-601RR	3	38.7767	1.66667	2.50000	36.6667	.	13.1	.	.
14	SC01-796RR	3	40.9438	2.66667	3.33333	36.0000	.	13.4	.	.
15	SC01-819RR	3	37.0023	6.33333	1.33333	36.3333	.	13.9	.	.

----- LOCATION=BLACKVILLE,SC(B) TTYPE=UVII -----

ENTRYNO	VARIETY	_FREQ_	YIELD	MATURITY	LODGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL
1	BENNING	3	25.1147	.	.	21.3333	.	.	.	.
2	HASKELL RR	3	30.0521	.	.	20.0000	.	.	.	.
3	G00-3209	3	34.7090	.	.	23.3333	.	.	.	.
4	G00-3213	3	34.2321	.	.	21.0000	.	.	.	.
5	G00-3322	3	29.1685	.	.	19.3333	.	.	.	.
6	G03-364 RR	3	26.1738	.	.	19.3333	.	.	.	.
7	G03-926 RR	3	33.3694	.	.	22.6667	.	.	.	.
8	N01-11136	3	29.5402	.	.	21.3333	.	.	.	.
9	N01-11777	3	31.3286	.	.	21.6667	.	.	.	.
10	N02-7084	3	31.1673	.	.	21.3333	.	.	.	.
11	N97-9658	3	27.1907	.	.	21.0000	.	.	.	.
12	N99-8137	3	30.6483	.	.	17.3333	.	.	.	.
13	SC00-601RR	3	33.1801	.	.	23.3333	.	.	.	.
14	SC01-796RR	3	30.5641	.	.	23.3333	.	.	.	.
15	SC01-819RR	3	32.1842	.	.	23.0000	.	.	.	.

----- LOCATION=CALHOUN,GA TTYPE=UVII -----

ENTRYNO	VARIETY	_FREQ_	YIELD	MATURITY	LODGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL
1	BENNING	3	28.4280	0.00000	3.66667	43.6667	2.00000	13.0	.	.
2	HASKELL RR	3	33.0012	1.00000	3.33333	44.3333	2.00000	15.5	.	.
3	G00-3209	3	20.5485	0.00000	1.00000	42.6667	2.00000	13.5	.	.
4	G00-3213	3	29.5404	-2.66667	1.33333	44.0000	2.00000	14.0	.	.
5	G00-3322	3	27.1611	0.33333	1.00000	45.3333	2.00000	16.5	.	.
6	G03-364 RR	3	30.3129	-3.66667	2.66667	46.6667	2.00000	12.5	.	.
7	G03-926 RR	3	26.8830	-1.66667	2.33333	43.3333	2.00000	13.0	.	.
8	N01-11136	3	38.5632	0.00000	3.00000	38.0000	2.00000	13.5	.	.
9	N01-11777	3	38.0997	-2.33333	1.66667	40.6667	1.66667	14.0	.	.
10	N02-7084	3	26.9448	-0.33333	2.66667	42.6667	2.33333	13.0	.	.
11	N97-9658	3	35.1024	0.00000	2.00000	42.6667	2.00000	13.5	.	.
12	N99-8137	3	34.8861	1.33333	1.33333	40.0000	1.66667	13.0	.	.
13	SC00-601RR	3	29.6331	0.33333	3.00000	46.3333	2.00000	14.0	.	.
14	SC01-796RR	3	26.2959	-1.66667	3.00000	50.6667	2.00000	12.5	.	.
15	SC01-819RR	3	19.3743	-0.66667	1.33333	48.3333	2.33333	12.5	.	.

----- LOCATION=FAIRHOPE,AL TTYPE=UVII -----

ENTRYNO	VARIETY	_FREQ_	YIELD	MATURITY	LODGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL
1	BENNING	3	34.376	-0.00000	.	28.0000	.	.	.	.
2	HASKELL RR	3	31.816	9.66667	.	25.0000	.	.	.	.
3	G00-3209	3	33.996	5.33333	.	25.0000	.	.	.	.
4	G00-3213	3	25.372	3.33333	.	15.3333	.	.	.	.
5	G00-3322	3	36.920	9.00000	.	27.3333	.	.	.	.
6	G03-364 RR	3	30.584	9.00000	.	20.6667	.	.	.	.
7	G03-926 RR	3	25.712	7.33333	.	27.3333	.	.	.	.
8	N01-11136	3	34.836	3.33333	.	21.3333	.	.	.	.
9	N01-11777	3	31.800	7.00000	.	16.6667	.	.	.	.
10	N02-7084	3	19.160	5.00000	.	22.6667	.	.	.	.
11	N97-9658	3	17.488	8.00000	.	23.6667	.	.	.	.
12	N99-8137	3	30.636	2.66667	.	20.0000	.	.	.	.
13	SC00-601RR	3	23.064	8.33333	.	24.3333	.	.	.	.
14	SC01-796RR	3	14.240	8.66667	.	28.0000	.	.	.	.
15	SC01-819RR	3	20.380	8.33333	.	27.0000	.	.	.	.

----- LOCATION=KINSTON,NC TTYPE=UVII -----

ENTRYNO	VARIETY	_FREQ_	YIELD	MATURITY	LODGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL
1	BENNING	3	37.188	0.00000	1.33333	43.3333	.	14.6	.	.
2	HASKELL RR	3	27.660	2.66667	1.66667	43.6667	.	13.8	.	.
3	G00-3209	3	42.972	4.33333	2.33333	41.0000	.	13.0	.	.
4	G00-3213	3	44.052	0.66667	2.00000	44.0000	.	15.0	.	.
5	G00-3322	3	43.944	4.00000	2.00000	41.3333	.	14.9	.	.
6	G03-364 RR	3	39.360	-1.00000	2.00000	41.6667	.	13.2	.	.
7	G03-926 RR	3	36.396	5.33333	1.66667	43.3333	.	15.6	.	.
8	N01-11136	3	28.344	4.00000	1.66667	36.6667	.	16.8	.	.
9	N01-11777	3	32.976	-2.00000	3.00000	40.6667	.	13.2	.	.
10	N02-7084	3	38.052	2.66667	2.00000	39.6667	.	15.8	.	.
11	N97-9658	3	30.360	1.66667	1.66667	39.3333	.	12.0	.	.
12	N99-8137	3	29.196	-0.33333	1.66667	38.3333	.	14.4	.	.
13	SC00-601RR	3	34.344	6.00000	2.33333	46.6667	.	15.1	.	.
14	SC01-796RR	3	35.940	4.33333	2.00000	46.0000	.	19.5	.	.
15	SC01-819RR	3	39.588	5.00000	1.00000	41.3333	.	15.0	.	.

----- LOCATION=PLAINS,GA TTYPE=UVII -----

ENTRYNO	VARIETY	_FREQ_	YIELD	MATURITY	LODGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL
1	BENNING	3	50.9080	.	1.66667	39.0000	2.16667	14.8667	.	.
2	HASKELL RR	3	49.1636	.	2.00000	41.0000	2.66667	14.2333	.	.
3	G00-3209	3	44.5356	.	2.00000	40.3333	3.00000	13.5667	.	.
4	G00-3213	3	56.3370	.	2.00000	40.0000	2.16667	13.6333	.	.
5	G00-3322	3	46.2978	.	1.66667	40.6667	2.33333	14.0667	.	.
6	G03-364 RR	3	47.1344	.	2.33333	41.0000	2.16667	12.3000	.	.
7	G03-926 RR	3	47.7307	.	2.00000	40.3333	2.66667	13.9333	.	.
8	N01-11136	3	49.4039	.	2.00000	36.6667	3.50000	16.3000	.	.
9	N01-11777	3	49.3683	.	2.33333	37.3333	2.83333	15.7333	.	.
10	N02-7084	3	48.5584	.	3.66667	35.3333	3.00000	16.5667	.	.
11	N97-9658	3	56.3726	.	2.66667	37.6667	2.33333	14.3000	.	.
12	N99-8137	3	50.2049	.	2.00000	36.0000	3.00000	15.1333	.	.
13	SC00-601RR	3	47.0988	.	2.33333	39.6667	2.66667	14.9667	.	.
14	SC01-796RR	3	50.7745	.	2.00000	43.0000	2.66667	13.8000	.	.
15	SC01-819RR	3	44.8026	.	1.00000	45.0000	2.66667	14.8667	.	.

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

ENTRYNO	VARIETY	_FREQ_	YIELD	MATURITY	LODGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL
1	BENNING	3	48.8521	0.00000	1	29.3333	1.33333	19.2000	.	.
2	HASKELL RR	3	58.4285	4.33333	1	31.6667	1.50000	19.0667	.	.
3	G00-3209	3	62.0241	5.00000	1	31.3333	1.50000	20.5333	.	.
4	G00-3213	3	55.2423	-1.33333	1	31.3333	1.83333	19.8000	.	.
5	G00-3322	3	56.2836	3.33333	1	33.0000	1.50000	19.9000	.	.
6	G03-364 RR	3	60.8849	0.00000	1	35.0000	1.33333	17.7000	.	.
7	G03-926 RR	3	59.9148	4.33333	1	35.3333	1.50000	17.9000	.	.
8	N01-11136	3	59.5321	2.66667	1	31.6667	2.16667	21.9000	.	.
9	N01-11777	3	57.2715	5.00000	1	30.6667	2.50000	19.0667	.	.
10	N02-7084	3	70.9063	5.00000	1	33.6667	3.00000	20.4000	.	.
11	N97-9658	3	62.0241	3.33333	1	33.6667	1.50000	17.9667	.	.
12	N99-8137	3	54.7528	4.00000	1	28.6667	3.00000	19.4000	.	.
13	SC00-601RR	3	54.3879	3.33333	1	39.6667	1.50000	16.2000	.	.
14	SC01-796RR	3	58.3751	2.66667	1	44.0000	1.50000	17.5667	.	.
15	SC01-819RR	3	61.9618	5.66667	1	39.6667	1.50000	18.6333	.	.

----- LOCATION=TIFTON,GA TTYPE=UVII -----

ENTRYNO	VARIETY	_FREQ_	YIELD	MATURITY	LODGING	HEIGHT	QUALITY	SIZE	PROTEIN	OIL
1	BENNING	3	61.9199	0.0000	3.66667	28.6667	2.00000	18.0	.	.
2	HASKELL RR	3	54.4999	4.6667	3.00000	32.0000	2.00000	19.5	.	.
3	G00-3209	3	42.7021	4.3333	3.00000	30.6667	2.66667	21.0	.	.
4	G00-3213	3	57.0227	2.3333	2.66667	30.0000	2.00000	18.0	.	.
5	G00-3322	3	65.0363	7.6667	1.66667	30.0000	2.33333	20.0	.	.
6	G03-364 RR	3	59.8423	2.3333	3.33333	30.0000	1.66667	16.5	.	.
7	G03-926 RR	3	56.6146	6.0000	3.00000	32.0000	2.00000	18.5	.	.
8	N01-11136	3	63.9233	6.6667	3.33333	28.6667	3.66667	20.5	.	.
9	N01-11777	3	57.5792	9.6667	3.33333	29.3333	2.66667	20.0	.	.
10	N02-7084	3	58.7664	5.0000	3.33333	26.6667	2.33333	19.5	.	.
11	N97-9658	3	63.7378	7.6667	4.00000	28.0000	2.33333	19.0	.	.
12	N99-8137	3	56.8372	10.6667	3.00000	26.0000	3.66667	19.5	.	.
13	SC00-601RR	3	52.0513	8.3333	2.00000	34.6667	1.66667	17.5	.	.
14	SC01-796RR	3	54.4257	5.6667	2.33333	32.6667	1.66667	17.0	.	.
15	SC01-819RR	3	52.3110	9.6667	1.00000	37.3333	1.66667	18.0	.	.

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

The ANOVA Procedure

Class Level Information

Class	Levels	Values
VARIETY	15	BENNING G00-3209 G00-3213 G00-3322 G03-364 RR G03-926 RR HASKELL RR N01-11136 N01-11777 N02-7084 N97-9658 N99-8137 SC00-601RR SC01-796RR SC01-819RR
REP	3	1 2 3

Number of Observations Read 45

Number of Observations Used 45

Dependent Variable: YIELD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	16	917.313932	57.332121	4.69	0.0002
Error	28	342.544469	12.233731		
Corrected Total	44	1259.858401			

R-Square	Coeff Var	Root MSE	YIELD Mean
0.728109	7.508927	3.497675	46.58023

Source	DF	Anova SS	Mean Square	F Value	Pr > F
REP	2	213.5496531	106.7748265	8.73	0.0011
VARIETY	14	703.7642793	50.2688771	4.11	0.0007

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

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	28
Error Mean Square	12.23373
Critical Value of t	2.04841
Least Significant Difference	5.8499

Means with the same letter are not significantly different.

t Grouping		Mean	N	VARIETY
	A	55.429	3	G00-3209
	A			
B	A	52.572	3	G00-3213
B	A			
B	A C	50.169	3	N02-7084
B	C			
B	D C	49.039	3	N97-9658
B	D C			
B	E D C	47.900	3	G03-364 RR
B	E D C			
F	B E D C	47.001	3	G00-3322
F	B E D C			
F	B E D C	46.832	3	HASKELL RR
F	E D C			
F	E D C	46.405	3	BENNING
F	E D C			
F	G E D C	45.479	3	N01-11777
F	G E D C			
F	G E D C	45.337	3	N99-8137
F	G E D			
F	G E D	44.269	3	SC01-796RR
F	G E D			
F	G E D	43.966	3	N01-11136
F	G E			
F	G E	42.907	3	G03-926 RR
F	G			
F	G	41.661	3	SC00-601RR
	G			
	G	39.739	3	SC01-819RR

----- LOCATION=ATHENS,GA(B) TTYPE=UVII -----

The ANOVA Procedure

Class Level Information

Class	Levels	Values
VARIETY	15	BENNING G00-3209 G00-3213 G00-3322 G03-364 RR G03-926 RR HASKELL RR N01-11136 N01-11777 N02-7084 N97-9658 N99-8137 SC00-601RR SC01-796RR SC01-819RR
REP	3	1 2 3

Number of Observations Read 45
 Number of Observations Used 45

Dependent Variable: YIELD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	16	1316.116955	82.257310	13.35	<.0001
Error	28	172.524481	6.161589		
Corrected Total	44	1488.641436			

R-Square 0.884106
 Coeff Var 4.520390
 Root MSE 2.482255
 YIELD Mean 54.91241

Source	DF	Anova SS	Mean Square	F Value	Pr > F
REP	2	190.867870	95.433935	15.49	<.0001
VARIETY	14	1125.249086	80.374935	13.04	<.0001

----- LOCATION=ATHENS,GA(B) TTYPE=UVII -----

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	28
Error Mean Square	6.161589
Critical Value of t	2.04841
Least Significant Difference	4.1516

Means with the same letter are not significantly different.

t Grouping				Mean	N	VARIETY	
		A		66.599	3	G00-3209	
		A					
		A		64.133	3	G00-3322	
		B		58.509	3	N97-9658	
		B					
		B		58.037	3	G00-3213	
		B					
C		B		56.141	3	N99-8137	
C		B					
C		B	D	55.572	3	SC01-796RR	
C		B	D				
C	E	B	D	54.966	3	SC01-819RR	
C	E	B	D				
C	E	B	D	54.361	3	N02-7084	
C	E		D				
C	E	F	D	52.172	3	G03-364 RR	
		E	F	D			
		E	F	D	51.700	3	HASKELL RR
		E	F				
		E	F	51.300	3	N01-11136	
		E	F				
		E	F	51.291	3	SC00-601RR	
		F					
		F		50.169	3	N01-11777	
		F					
		F		49.902	3	BENNING	
		F					
		F		48.834	3	G03-926 RR	

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

The ANOVA Procedure

Class Level Information

Class	Levels	Values
VARIETY	15	BENNING G00-3209 G00-3213 G00-3322 G03-364 RR G03-926 RR HASKELL RR N01-11136 N01-11777 N02-7084 N97-9658 N99-8137 SC00-601RR SC01-796RR SC01-819RR
REP	3	1 2 3

Number of Observations Read 45
 Number of Observations Used 45

Dependent Variable: YIELD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	16	787.389735	49.211858	6.10	<.0001
Error	28	226.063386	8.073692		
Corrected Total	44	1013.453121			

R-Square 0.776938
 Coeff Var 7.043568
 Root MSE 2.841424
 YIELD Mean 40.34069

Source	DF	Anova SS	Mean Square	F Value	Pr > F
REP	2	263.5790583	131.7895291	16.32	<.0001
VARIETY	14	523.8106763	37.4150483	4.63	0.0003

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

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	28
Error Mean Square	8.073692
Critical Value of t	2.04841
Least Significant Difference	4.7523

Means with the same letter are not significantly different.

t Grouping		Mean	N	VARIETY
	A	47.761	3	G00-3209
	A			
B	A	45.629	3	N02-7084
B	A			
B	A C	44.668	3	N99-8137
B	C			
B	D C	41.582	3	G00-3322
B	D C			
B	E D C	40.979	3	N01-11136
B	E D C			
F	B E D C	40.944	3	SC01-796RR
F	E D C			
F	E D C	40.628	3	G00-3213
F	E D C			
F	G E D C	40.158	3	N97-9658
F	G E D			
F	G E D	39.836	3	HASKELL RR
F	G E D			
F	G E D	38.875	3	N01-11777
F	G E D			
F	G E D	38.777	3	SC00-601RR
F	G E D			
F	G E D	37.002	3	SC01-819RR
F	G E			
F	G E	36.371	3	G03-364 RR
F	G			
F	G	36.203	3	G03-926 RR
	G			
	G	35.698	3	BENNING

----- LOCATION=BLACKVILLE,SC(B) TTYPE=UVII -----

The ANOVA Procedure

Class Level Information

Class	Levels	Values
VARIETY	15	BENNING G00-3209 G00-3213 G00-3322 G03-364 RR G03-926 RR HASKELL RR N01-11136 N01-11777 N02-7084 N97-9658 N99-8137 SC00-601RR SC01-796RR SC01-819RR
REP	3	1 2 3

Number of Observations Read 45
 Number of Observations Used 45

Dependent Variable: YIELD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	16	674.546102	42.159131	2.06	0.0456
Error	28	572.879551	20.459984		
Corrected Total	44	1247.425654			

R-Square 0.540751
 Coeff Var 14.79409
 Root MSE 4.523271
 YIELD Mean 30.57486

Source	DF	Anova SS	Mean Square	F Value	Pr > F
REP	2	336.9426927	168.4713463	8.23	0.0015
VARIETY	14	337.6034097	24.1145293	1.18	0.3426

----- LOCATION=BLACKVILLE,SC(B) TTYPE=UVII -----

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	28
Error Mean Square	20.45998
Critical Value of t	2.04841
Least Significant Difference	7.5653

Means with the same letter are not significantly different.

t Grouping	Mean	N	VARIETY
A	34.709	3	G00-3209
A			
A	34.232	3	G00-3213
A			
B A	33.369	3	G03-926 RR
B A			
B A	33.180	3	SC00-601RR
B A			
B A C	32.184	3	SC01-819RR
B A C			
B A C	31.329	3	N01-11777
B A C			
B A C	31.167	3	N02-7084
B A C			
B A C	30.648	3	N99-8137
B A C			
B A C	30.564	3	SC01-796RR
B A C			
B A C	30.052	3	HASKELL RR
B A C			
B A C	29.540	3	N01-11136
B A C			
B A C	29.168	3	G00-3322
B A C			
B A C	27.191	3	N97-9658
B C			
B C	26.174	3	G03-364 RR
C			
C	25.115	3	BENNING

----- LOCATION=CALHOUN,GA TTYPE=UVII -----

The ANOVA Procedure

Class Level Information

Class	Levels	Values
VARIETY	15	BENNING G00-3209 G00-3213 G00-3322 G03-364 RR G03-926 RR HASKELL RR N01-11136 N01-11777 N02-7084 N97-9658 N99-8137 SC00-601RR SC01-796RR SC01-819RR
REP	3	1 2 3

Number of Observations Read 45
 Number of Observations Used 45

Dependent Variable: YIELD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	16	2264.297542	141.518596	3.92	0.0008
Error	28	1010.392164	36.085434		
Corrected Total	44	3274.689705			

R-Square 0.691454
 Coeff Var 20.25896
 Root MSE 6.007115
 YIELD Mean 29.65164

Source	DF	Anova SS	Mean Square	F Value	Pr > F
REP	2	938.268108	469.134054	13.00	0.0001
VARIETY	14	1326.029434	94.716388	2.62	0.0144

----- LOCATION=CALHOUN,GA TTYPE=UVII -----

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	28
Error Mean Square	36.08543
Critical Value of t	2.04841
Least Significant Difference	10.047

Means with the same letter are not significantly different.

t Grouping		Mean	N	VARIETY
	A	38.563	3	N01-11136
	A			
B	A	38.100	3	N01-11777
B	A			
B	A C	35.102	3	N97-9658
B	A C			
B	A C	34.886	3	N99-8137
B	A C			
B	A C	33.001	3	HASKELL RR
B	A C			
B	D A C	30.313	3	G03-364 RR
B	D A C			
B	D A C	29.633	3	SC00-601RR
B	D A C			
B	D A C	29.540	3	G00-3213
B	D C			
B	D E C	28.428	3	BENNING
	D E C			
	D E C	27.161	3	G00-3322
	D E C			
	D E C	26.945	3	N02-7084
	D E C			
	D E C	26.883	3	G03-926 RR
	D E C			
	D E C	26.296	3	SC01-796RR
	D E			
	D E	20.549	3	G00-3209
	E			
	E	19.374	3	SC01-819RR

----- LOCATION=FAIRHOPE,AL TTYPE=UVII -----

The ANOVA Procedure

Class Level Information

Class	Levels	Values
VARIETY	15	BENNING G00-3209 G00-3213 G00-3322 G03-364 RR G03-926 RR HASKELL RR N01-11136 N01-11777 N02-7084 N97-9658 N99-8137 SC00-601RR SC01-796RR SC01-819RR
REP	3	1 2 3

Number of Observations Read 45
 Number of Observations Used 45

Dependent Variable: YIELD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	16	2144.295334	134.018458	2.44	0.0189
Error	28	1540.175130	55.006255		
Corrected Total	44	3684.470464			

R-Square 0.581982
 Coeff Var 27.10885
 Root MSE 7.416620
 YIELD Mean 27.35867

Source	DF	Anova SS	Mean Square	F Value	Pr > F
REP	2	8.548422	4.274211	0.08	0.9254
VARIETY	14	2135.746912	152.553351	2.77	0.0105

----- LOCATION=FAIRHOPE,AL TTYPE=UVII -----

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	28
Error Mean Square	55.00625
Critical Value of t	2.04841
Least Significant Difference	12.404

Means with the same letter are not significantly different.

t Grouping				Mean	N	VARIETY
		A		36.920	3	G00-3322
		A				
B		A		34.836	3	N01-11136
B		A				
B		A		34.376	3	BENNING
B		A				
B		A		33.996	3	G00-3209
B		A				
B		A	C	31.816	3	HASKELL RR
B		A	C			
B		A	C	31.800	3	N01-11777
B		A	C			
B	D	A	C	30.636	3	N99-8137
B	D	A	C			
B	D	A	C	30.584	3	G03-364 RR
B	D	A	C			
E	B	D	A	25.712	3	G03-926 RR
E	B	D	A			
E	B	D	A	25.372	3	G00-3213
E	B	D	C			
E	B	D	C	23.064	3	SC00-601RR
E		D	C			
E		D	C	20.380	3	SC01-819RR
E		D				
E		D		19.160	3	N02-7084
E						
E				17.488	3	N97-9658
E						
E				14.240	3	SC01-796RR

----- LOCATION=KINSTON,NC TTYPE=UVII -----

The ANOVA Procedure

Class Level Information

Class	Levels	Values
VARIETY	15	BENNING G00-3209 G00-3213 G00-3322 G03-364 RR G03-926 RR HASKELL RR N01-11136 N01-11777 N02-7084 N97-9658 N99-8137 SC00-601RR SC01-796RR SC01-819RR
REP	3	1 2 3

Number of Observations Read 45
 Number of Observations Used 45

Dependent Variable: YIELD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	16	1346.056646	84.128540	2.84	0.0075
Error	28	828.366509	29.584518		
Corrected Total	44	2174.423155			

R-Square 0.619041
 Coeff Var 15.09839
 Root MSE 5.439165
 YIELD Mean 36.02480

Source	DF	Anova SS	Mean Square	F Value	Pr > F
REP	2	72.112435	36.056218	1.22	0.3108
VARIETY	14	1273.944211	90.996015	3.08	0.0055

----- LOCATION=KINSTON,NC TTYPE=UVII -----

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	28
Error Mean Square	29.58452
Critical Value of t	2.04841
Least Significant Difference	9.0971

Means with the same letter are not significantly different.

t Grouping		Mean	N	VARIETY					
	A	44.052	3	G00-3213					
	A								
	A	43.944	3	G00-3322					
	A								
B	A	42.972	3	G00-3209					
B	A								
B	A	C	39.588	3	SC01-819RR				
B	A	C							
B	D	A	C	39.360	3	G03-364 RR			
B	D	A	C						
E	B	D	A	C	38.052	3	N02-7084		
E	B	D	A	C					
E	B	D	A	C	F	37.188	3	BENNING	
E	B	D	A	C	F				
E	B	D	A	G	C	F	36.396	3	G03-926 RR
E	B	D	A	G	C	F			
E	B	D	A	G	C	F	35.940	3	SC01-796RR
E	B	D		G	C	F			
E	B	D		G	C	F	34.344	3	SC00-601RR
E		D		G	C	F			
E		D		G	C	F	32.976	3	N01-11777
E		D		G		F			
E		D		G		F	30.360	3	N97-9658
E				G		F			
E				G		F	29.196	3	N99-8137
E				G		F			
E				G		F	28.344	3	N01-11136
E				G					
E				G			27.660	3	HASKELL RR

----- LOCATION=PLAINS,GA TTYPE=UVII -----

The ANOVA Procedure

Class Level Information

Class	Levels	Values
VARIETY	15	BENNING G00-3209 G00-3213 G00-3322 G03-364 RR G03-926 RR HASKELL RR N01-11136 N01-11777 N02-7084 N97-9658 N99-8137 SC00-601RR SC01-796RR SC01-819RR
REP	3	1 2 3

Number of Observations Read 45
 Number of Observations Used 45

Dependent Variable: YIELD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	16	531.249303	33.203081	1.95	0.0589
Error	28	476.475588	17.016985		
Corrected Total	44	1007.724892			

R-Square 0.527177
 Coeff Var 8.376637
 Root MSE 4.125165
 YIELD Mean 49.24607

Source	DF	Anova SS	Mean Square	F Value	Pr > F
REP	2	22.4575875	11.2287938	0.66	0.5248
VARIETY	14	508.7917158	36.3422654	2.14	0.0425

----- LOCATION=PLAINS,GA TTYPE=UVII -----

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	28
Error Mean Square	17.01699
Critical Value of t	2.04841
Least Significant Difference	6.8994

Means with the same letter are not significantly different.

t Grouping	Mean	N	VARIETY
A	56.373	3	N97-9658
A			
A	56.337	3	G00-3213
A			
B A	50.908	3	BENNING
B A			
B A	50.775	3	SC01-796RR
B A			
B A	50.205	3	N99-8137
B			
B	49.404	3	N01-11136
B			
B	49.368	3	N01-11777
B			
B	49.164	3	HASKELL RR
B			
B	48.558	3	N02-7084
B			
B	47.731	3	G03-926 RR
B			
B	47.134	3	G03-364 RR
B			
B	47.099	3	SC00-601RR
B			
B	46.298	3	G00-3322
B			
B	44.803	3	SC01-819RR
B			
B	44.536	3	G00-3209

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

The ANOVA Procedure

Class Level Information

Class	Levels	Values
VARIETY	15	BENNING G00-3209 G00-3213 G00-3322 G03-364 RR G03-926 RR HASKELL RR N01-11136 N01-11777 N02-7084 N97-9658 N99-8137 SC00-601RR SC01-796RR SC01-819RR
REP	3	1 2 3

Number of Observations Read	45
Number of Observations Used	45

Dependent Variable: YIELD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	16	1148.396751	71.774797	2.90	0.0066
Error	28	692.378127	24.727790		
Corrected Total	44	1840.774877			

R-Square	Coeff Var	Root MSE	YIELD Mean
0.623866	8.468099	4.972705	58.72279

Source	DF	Anova SS	Mean Square	F Value	Pr > F
REP	2	128.886361	64.443181	2.61	0.0916
VARIETY	14	1019.510389	72.822171	2.94	0.0073

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

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	28
Error Mean Square	24.72779
Critical Value of t	2.04841
Least Significant Difference	8.3169

Means with the same letter are not significantly different.

t Grouping	Mean	N	VARIETY
A	70.906	3	N02-7084
B	62.024	3	N97-9658
B	62.024	3	G00-3209
B	61.962	3	SC01-819RR
B	60.885	3	G03-364 RR
B	59.915	3	G03-926 RR
B	59.532	3	N01-11136
B	58.429	3	HASKELL RR
B	58.375	3	SC01-796RR
B	57.272	3	N01-11777
C	56.284	3	G00-3322
C	55.242	3	G00-3213
C	54.753	3	N99-8137
C	54.388	3	SC00-601RR
C	48.852	3	BENNING

----- LOCATION=TIFTON,GA TTYPE=UVII -----

The ANOVA Procedure

Class Level Information

Class	Levels	Values
VARIETY	15	BENNING G00-3209 G00-3213 G00-3322 G03-364 RR G03-926 RR HASKELL RR N01-11136 N01-11777 N02-7084 N97-9658 N99-8137 SC00-601RR SC01-796RR SC01-819RR
REP	3	1 2 3

Number of Observations Read 45
 Number of Observations Used 45

Dependent Variable: YIELD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	16	1664.212926	104.013308	2.76	0.0091
Error	28	1056.709047	37.739609		
Corrected Total	44	2720.921974			

R-Square 0.611636
 Coeff Var 10.74911
 Root MSE 6.143257
 YIELD Mean 57.15131

Source	DF	Anova SS	Mean Square	F Value	Pr > F
REP	2	292.409495	146.204748	3.87	0.0327
VARIETY	14	1371.803431	97.985959	2.60	0.0153

----- LOCATION=TIFTON,GA TTYPE=UVII -----

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	28
Error Mean Square	37.73961
Critical Value of t	2.04841
Least Significant Difference	10.275

Means with the same letter are not significantly different.

t Grouping	Mean	N	VARIETY
A	65.036	3	G00-3322
A			
B A	63.923	3	N01-11136
B A			
B A	63.738	3	N97-9658
B A			
B A C	61.920	3	BENNING
B A C			
B A C	59.842	3	G03-364 RR
B A C			
B A C	58.766	3	N02-7084
B A C			
B A C	57.579	3	N01-11777
B A C			
B A C	57.023	3	G00-3213
B A C			
B A C	56.837	3	N99-8137
B A C			
B A C	56.615	3	G03-926 RR
B C			
B C	54.500	3	HASKELL RR
B C			
B C	54.426	3	SC01-796RR
C			
D C	52.311	3	SC01-819RR
D C			
D C	52.051	3	SC00-601RR
D C			
D	42.702	3	G00-3209