

LSU Northeast Research Station

EFFECT OF PREPLANT APPLICATION OF SYNCHRONY XP AND VALOR ON IN-SEASON WEED CONTROL PROGRAMS IN ROUNDUP READY SOYBEAN

Trial ID: Study Dir.:
Location: Investigator: Donnie Miller

SITE AND DESIGN

Plot Width, Unit: 6.67 FT Plot Length, Unit: 30 FT Reps: 4

Site Type: _____

Tillage Type: _____ Study Design: FACTORIAL

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	18/Apr/2006	15/May/2006	23/May/2006	30/May/2006	5/Jun/2006	13/Jun/2006
Time of Day:	11:10 AM	11:45 AM	1:30 PM	2:15 PM	12:15 PM	1:50 PM
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	EARPRE	EAPOCR	EAPOCR	EAPOCR	POSPOS	POSPOS
Applic. Placement:	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	88 F	70 F	90 F	89 F	84 F	85 F
% Relative Humidity:	56	60	48	70	55	52
Wind Velocity, Unit:	2.7 MPH	3.5 MPH	2.1 MPH	1.6 MPH	1.2 MPH	5.5 MPH
Dew Presence (Y/N):	N	N	N	N	N	N
Water Hardness:						
Soil Temp., Unit:	78 F	73 F	88 F	87 F	85 F	94 F
Soil Moisture:	DRY	MOIST	DRY	MOIST	DRY	DRY
% Cloud Cover:	0	35	20	50	20	15

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Code, Stage:	GLXMA N/A	GLXMA V1	GLXMA 1 TRIFOL	GLXMA 3 TRIFOL	GLXMA 5 TRIFOL	GLXMA 8 TRIFOL
Stage Scale:						
Height, Unit:						

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WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Weed 1 Code, Stage:	CAPBP 6-10"	CAPBP N/A	CAPBP N/A	CAPBP N/A	CAPBP N/A	CAPBP N/A
Stage Scale:						
Density, Unit:						
Weed 2 Code, Stage:	CERVU 4-6"	CERVU N/A	CERVU N/A	CERVU N/A	CERVU N/A	CERVU N/A
Stage Scale:						
Density, Unit:						
Weed 3 Code, Stage:	LAMAM 4-6"	LAMAM N/A	LAMAM N/A	LAMAM N/A	LAMAM N/A	LAMAM N/A
Stage Scale:						
Density, Unit:						
Weed 4 Code, Stage:	COPSP 4-7" DIA	COPSP N/A	COPSP N/A	COPSP N/A	COPSP N/A	COPSP N/A
Stage Scale:						
Density, Unit:						
Weed 5 Code, Stage:	POAAN 3-4"	POAAN N/A	POAAN N/A	POAAN N/A	POAAN N/A	POAAN N/A
Stage Scale:						
Density, Unit:						
Weed 6 Code, Stage:	IPOLA N/A	IPOLA 2-4"	IPOLA 3-4"	IPOLA 4-5"	IPOLA 4-6"	IPOLA 6-8"
Stage Scale:						
Density, Unit:						
Weed 7 Code, Stage:	IPOHG N/A	IPOHG 2-4"	IPOHG 3-4"	IPOHG 4-5"	IPOHG 4-6"	IPOHG 6-8"
Stage Scale:						
Density, Unit:						
Weed 8 Code, Stage:	SEBEX N/A	SEBEX 2-4"	SEBEX 3-4"	SEBEX 4-5"	SEBEX 4-6"	SEBEX 6-8"
Stage Scale:						
Density, Unit:						
Weed 9 Code, Stage:	ECHCG N/A	ECHCG 2-4"	ECHCG 3-4"	ECHCG 4-5"	ECHCG 4-6"	ECHCG 6-8"
Stage Scale:						
Density, Unit:						
Weed10 Code, Stage:	CASOB N/A	CASOB 2-4"	CASOB 3-4"	CASOB 4-5"	CASOB 4-6"	CASOB 6-8"
Stage Scale:						
Density, Unit:						
Weed11 Code, Stage:	SORHA N/A	SORHA 2-4"	SORHA 3-4"	SORHA 4-5"	SORHA 4-6"	SORHA 6-8"
Stage Scale:						
Density, Unit:						
Weed12 Code, Stage:	AMARE N/A	AMARE 2-4"	AMARE 3-4"	AMARE 4-5"	AMARE 4-6"	AMARE 6-8"
Stage Scale:						
Density, Unit:						

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	CO2 BCPCCK	CO2 BCPCCK	CO2 BCPCCK	CO2 BCPCCK	CO2 BCPCCK	CO2 BCPCCK
Operating Pressure:	36 PSI	36 PSI	35 PSI	35 PSI	35 PSI	35 PSI
Nozzle Type:	AI	AI	AI	AI	AI	AI
Nozzle Size:	11002	11002	11002	11002	11002	11002
Nozzle Spacing, Unit:	20 "	20 "	20 "	20 "	20 "	20 "
Nozzles/Row:	2	2	2	2	2	2
Band Width, Unit:						
Boom Length, Unit:						
Boom Height, Unit:						
Ground Speed, Unit:	3.2 MPH	3.2 MPH	3.2 MPH	3.2 MPH	3.2 MPH	3.2 MPH
Incorporation Equip.:						
Hours to Incorp.:						
Incorp. Depth, Unit:						
Carrier:	WATER	WATER	WATER	WATER	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA	15 GPA	15 GPA
Spray pH:						
Propellant:						
Tank Mix (Y/N):						

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Trial ID:		Study Dir.:				
Location:		Investigator: Donnie Miller				

FACTORIAL/POOLED ERROR AOV For IPOHG GLXMA CONTROL % 3/May/2006 15 DA-A						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	1241.666667				
R	3	104.166667	34.722222	1.647	0.1975	3.83
A	1	252.083333	252.083333	11.955	0.0015	2.71
B	5	66.666667	13.333333	0.632	0.6764	4.69
AB	5	122.916667	24.583333	1.166	0.3466	6.63
ERROR	33	695.833333	21.085859			

FACTORIAL/POOLED ERROR AOV For IPOLA GLXMA CONTROL % 3/May/2006 15 DA-A						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	1241.666667				
R	3	104.166667	34.722222	1.647	0.1975	3.83
A	1	252.083333	252.083333	11.955	0.0015	2.71
B	5	66.666667	13.333333	0.632	0.6764	4.69
AB	5	122.916667	24.583333	1.166	0.3466	6.63
ERROR	33	695.833333	21.085859			

FACTORIAL/POOLED ERROR AOV For SEBEX GLXMA CONTROL % 3/May/2006 15 DA-A						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	574.479167				
R	3	64.062500	21.354167	1.741	0.1777	2.92
A	1	4.687500	4.687500	0.382	0.5407	2.06
B	5	40.104167	8.020833	0.654	0.6605	3.58
AB	5	60.937500	12.187500	0.994	0.4366	5.06
ERROR	33	404.687500	12.263258			

FACTORIAL/POOLED ERROR AOV For CASOB GLXMA CONTROL % 3/May/2006 15 DA-A						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	1461.979167				
R	3	318.229167	106.076389	3.782	0.0195	4.41
A	1	42.187500	42.187500	1.504	0.2287	3.12
B	5	77.604167	15.520833	0.553	0.7346	5.41
AB	5	98.437500	19.687500	0.702	0.6259	7.65
ERROR	33	925.520833	28.046086			

FACTORIAL/POOLED ERROR AOV For ECHCG GLXMA CONTROL % 3/May/2006 15 DA-A						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	0.000000				
R	3	0.000000	0.000000	0.000	0.0000	0.00
A	1	0.000000	0.000000	0.000	0.0000	0.00
B	5	0.000000	0.000000	0.000	0.0000	0.00
AB	5	0.000000	0.000000	0.000	0.0000	0.00
ERROR	33	0.000000	0.000000			

FACTORIAL/POOLED ERROR AOV For SORHA GLXMA CONTROL % 3/May/2006 15 DA-A						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	0.000000				
R	3	0.000000	0.000000	0.000	0.0000	0.00
A	1	0.000000	0.000000	0.000	0.0000	0.00
B	5	0.000000	0.000000	0.000	0.0000	0.00
AB	5	0.000000	0.000000	0.000	0.0000	0.00
ERROR	33	0.000000	0.000000			

FACTORIAL/POOLED ERROR AOV For AMARE GLXMA CONTROL % 3/May/2006 15 DA-A						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	0.000000				
R	3	0.000000	0.000000	0.000	0.0000	0.00
A	1	0.000000	0.000000	0.000	0.0000	0.00
B	5	0.000000	0.000000	0.000	0.0000	0.00
AB	5	0.000000	0.000000	0.000	0.0000	0.00
ERROR	33	0.000000	0.000000			

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Trial ID:		Study Dir.:				
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FACTORIAL/POOLED ERROR AOV For IPOLA GLXMA CONTROL % 15/May/2006 1 WAE-B						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	89697.916667				
R	3	52.083333	17.361111	0.939	0.4331	3.59
A	1	675.000000	675.000000	36.491	0.0001	2.54
B	5	87641.666667	17528.333333	947.607	0.0001	4.39
AB	5	718.750000	143.750000	7.771	0.0001	6.21
ERROR	33	610.416667	18.497475			
FACTORIAL/POOLED ERROR AOV For IPOHG GLXMA CONTROL % 15/May/2006 1WAE-B						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	89697.916667				
R	3	52.083333	17.361111	0.939	0.4331	3.59
A	1	675.000000	675.000000	36.491	0.0001	2.54
B	5	87641.666667	17528.333333	947.607	0.0001	4.39
AB	5	718.750000	143.750000	7.771	0.0001	6.21
ERROR	33	610.416667	18.497475			
FACTORIAL/POOLED ERROR AOV For SEBEX GLXMA CONTROL % 15/May/2006 1WAE-B						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	102661.979167				
R	3	5.729167	1.909722	0.180	0.9093	2.72
A	1	42.187500	42.187500	3.972	0.0546	1.92
B	5	102215.104167	20443.020833	1924.621	0.0001	3.33
AB	5	48.437500	9.687500	0.912	0.4852	4.71
ERROR	33	350.520833	10.621843			
FACTORIAL/POOLED ERROR AOV For CASOB GLXMA CONTROL % 15/May/2006 1WAE-B						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	84707.812500				
R	3	218.229167	72.743056	2.232	0.1029	4.76
A	1	229.687500	229.687500	7.047	0.0121	3.37
B	5	82935.937500	16587.187500	508.942	0.0001	5.83
AB	5	248.437500	49.687500	1.525	0.2091	8.24
ERROR	33	1075.520833	32.591540			
FACTORIAL/POOLED ERROR AOV For ECHCG GLXMA CONTROL % 15/May/2006 1WAE-B						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	104916.666667				
R	3	37.500000	12.500000	1.500	0.2327	2.41
A	1	8.333333	8.333333	1.000	0.3246	1.70
B	5	104572.916667	20914.583333	2509.750	0.0001	2.95
AB	5	22.916667	4.583333	0.550	0.7371	4.17
ERROR	33	275.000000	8.333333			
FACTORIAL/POOLED ERROR AOV For SORHA GLXMA CONTROL % 15/May/2006 1WAE-B						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	107397.916667				
R	3	6.250000	2.083333	2.200	0.1066	0.81
A	1	2.083333	2.083333	2.200	0.1475	0.57
B	5	107354.166667	21470.833333	22673.201	0.0001	0.99
AB	5	4.166667	0.833333	0.880	0.5053	1.41
ERROR	33	31.250000	0.946970			

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Trial ID:	Study Dir.:					
Location:	Investigator: Donnie Miller					
FACTORIAL/POOLED ERROR AOV For AMARE GLXMA CONTROL % 15/May/2006 1WAE-B						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	108300.000000				
R	3	0.000000	0.000000	0.000	0.0000	0.00
A	1	0.000000	0.000000	0.000	0.0000	0.00
B	5	108300.000000	21660.000000	0.000	0.0000	0.00
AB	5	0.000000	0.000000	0.000	0.0000	0.00
ERROR	33	0.000000	0.000000			
FACTORIAL/POOLED ERROR AOV For IPOHG GLXMA CONTROL % 22/May/2006 2 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	43866.666667				
R	3	91.666667	30.555556	2.034	0.1282	3.23
A	1	102.083333	102.083333	6.794	0.0136	2.28
B	5	42666.666667	8533.333333	567.933	0.0001	3.96
AB	5	510.416667	102.083333	6.794	0.0002	5.60
ERROR	33	495.833333	15.025253			
FACTORIAL/POOLED ERROR AOV For IPOLA GLXMA CONTROL % 22/May/2006 2 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	43866.666667				
R	3	91.666667	30.555556	2.034	0.1282	3.23
A	1	102.083333	102.083333	6.794	0.0136	2.28
B	5	42666.666667	8533.333333	567.933	0.0001	3.96
AB	5	510.416667	102.083333	6.794	0.0002	5.60
ERROR	33	495.833333	15.025253			
FACTORIAL/POOLED ERROR AOV For SEBEX GLXMA CONTROL % 22/May/2006 2 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	55597.916667				
R	3	6.250000	2.083333	2.200	0.1066	0.81
A	1	8.333333	8.333333	8.800	0.0056	0.57
B	5	55510.416667	11102.083333	11723.801	0.0001	0.99
AB	5	41.666667	8.333333	8.800	0.0001	1.41
ERROR	33	31.250000	0.946970			
FACTORIAL/POOLED ERROR AOV For CASOB GLXMA CONTROL % 22/May/2006 2 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	51691.666667				
R	3	41.666667	13.888889	0.753	0.5283	3.58
A	1	0.000000	0.000000	0.000	1.0000	2.53
B	5	51041.666667	10208.333333	553.767	0.0001	4.38
AB	5	0.000000	0.000000	0.000	1.0000	6.20
ERROR	33	608.333333	18.434343			
FACTORIAL/POOLED ERROR AOV For SORHA GLXMA CONTROL % 22/May/2006 2 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	56047.916667				
R	3	35.416667	11.805556	1.000	0.4051	2.86
A	1	18.750000	18.750000	1.588	0.2164	2.03
B	5	55510.416667	11102.083333	940.412	0.0001	3.51
AB	5	93.750000	18.750000	1.588	0.1907	4.96
ERROR	33	389.583333	11.805556			

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Trial ID:		Study Dir.:				
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FACTORIAL/POOLED ERROR AOV For ECHCG GLXMA CONTROL % 22/May/2006 2 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	56520.312500				
R	3	14.062500	4.687500	1.000	0.4051	1.80
A	1	13.020833	13.020833	2.778	0.1050	1.28
B	5	56273.437500	11254.687500	2401.000	0.0001	2.21
AB	5	65.104167	13.020833	2.778	0.0335	3.13
ERROR	33	154.687500	4.687500			
FACTORIAL/POOLED ERROR AOV For AMARE GLXMA CONTROL % 22/May/2006 2 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	60166.666667				
R	3	0.000000	0.000000	0.000	0.0000	0.00
A	1	0.000000	0.000000	0.000	0.0000	0.00
B	5	60166.666667	12033.333333	0.000	0.0000	0.00
AB	5	0.000000	0.000000	0.000	0.0000	0.00
ERROR	33	0.000000	0.000000			
FACTORIAL/POOLED ERROR AOV For IPOHG GLXMA CONTROL % 30/May/2006 3 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	96395.312500				
R	3	5.729167	1.909722	0.502	0.6835	1.63
A	1	2338.020833	2338.020833	614.676	0.0001	1.15
B	5	79060.937500	15812.187500	4157.097	0.0001	1.99
AB	5	14865.104167	2973.020833	781.621	0.0001	2.82
ERROR	33	125.520833	3.803662			
FACTORIAL/POOLED ERROR AOV For IPOLA GLXMA CONTROL % 30/May/2006 3 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	96395.312500				
R	3	5.729167	1.909722	0.502	0.6835	1.63
A	1	2338.020833	2338.020833	614.676	0.0001	1.15
B	5	79060.937500	15812.187500	4157.097	0.0001	1.99
AB	5	14865.104167	2973.020833	781.621	0.0001	2.82
ERROR	33	125.520833	3.803662			
FACTORIAL/POOLED ERROR AOV For SEBEX GLXMA CONTROL % 30/May/2006 3 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	95349.479167				
R	3	34.895833	11.631944	1.558	0.2180	2.28
A	1	2775.520833	2775.520833	371.791	0.0001	1.61
B	5	78827.604167	15765.520833	2111.847	0.0001	2.79
AB	5	13465.104167	2693.020833	360.740	0.0001	3.95
ERROR	33	246.354167	7.465278			
FACTORIAL/POOLED ERROR AOV For CASOB GLXMA CONTROL % 30/May/2006 3 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	94800.000000				
R	3	12.500000	4.166667	0.733	0.5396	1.99
A	1	2408.333333	2408.333333	423.867	0.0001	1.41
B	5	79706.250000	15941.250000	2805.660	0.0001	2.43
AB	5	12485.416667	2497.083333	439.487	0.0001	3.44
ERROR	33	187.500000	5.681818			

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Weed Code							
Crop Code							
Rating Data Type							
Rating Unit							
Rating Date							
Trt-Eval Interval							
ARM Action Codes							
# Subsamples, Dec.							
Trt Treatment	Rate	Appl					
No. Name	Unit	Code	26	27	28	29	30
TABLE OF R MEANS							
Replicate 1			86.00	95.00	95.00	77.50	77.50
Replicate 2			89.00	95.00	95.00	82.50	82.50
Replicate 3			89.00	95.00	95.00	72.50	80.00
Replicate 4			92.00	95.00	95.00	85.00	87.50
TABLE OF A MEANS							
1 SYNCHRONY XP	1.5 oz wt/a	A	87.50	95.00	95.00	83.75	83.75
1 ROUNDUP WEATHERMAX	22 oz/a	AB					
1 SALVO	12.8 oz/a	A					
1 15 DBP							
2 VALOR	2 oz wt/a	A	90.00	95.00	95.00	75.00	75.00
2 ROUNDUP WEATHERMAX	22 oz/a	AB					
2 SALVO	12.8 oz/a	A					
2 15 DBP							
TABLE OF B MEANS							
1 1 WAE			.	.	.	.	.
2 2 WAE			.	.	.	.	.
3 3 WAE			89.38	95.00	95.00	.	.
4 4 WAE			.	.	.	79.38	79.38
5 1 WAE			88.75	95.00	95.00	.	.
5 3 WAE			.	.	.	.	.
6 1 WAE			88.75	95.00	95.00	.	.
6 3 WAE			.	.	.	.	.
6 5 WAE			.	.	.	.	.
TABLE OF AB MEANS							
1 SYNCHRONY XP	1.5 oz wt/a	A	.	.	.	.	.
1 ROUNDUP WEATHERMAX	22 oz/a	AB	.	.	.	.	.
1 SALVO	12.8 oz/a	A	.	.	.	.	.
1 15 DBP			.	.	.	.	.
1 1 WAE			.	.	.	.	.
2 VALOR	2 oz wt/a	A	.	.	.	.	.
2 ROUNDUP WEATHERMAX	22 oz/a	AB	.	.	.	.	.
2 SALVO	12.8 oz/a	A	.	.	.	.	.
2 15 DBP			.	.	.	.	.
1 1 WAE			.	.	.	.	.
1 SYNCHRONY XP	1.5 oz wt/a	A	.	.	.	.	.
1 ROUNDUP WEATHERMAX	22 oz/a	AB	.	.	.	.	.
1 SALVO	12.8 oz/a	A	.	.	.	.	.
1 15 DBP			.	.	.	.	.
2 2 WAE			.	.	.	.	.
2 VALOR	2 oz wt/a	A	.	.	.	.	.
2 ROUNDUP WEATHERMAX	22 oz/a	AB	.	.	.	.	.
2 SALVO	12.8 oz/a	A	.	.	.	.	.
2 15 DBP			.	.	.	.	.
2 2 WAE			.	.	.	.	.
1 SYNCHRONY XP	1.5 oz wt/a	A	87.50	95.00	95.00	.	.
1 ROUNDUP WEATHERMAX	22 oz/a	AB
1 SALVO	12.8 oz/a	A
1 15 DBP		
3 3 WAE		

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FACTORIAL/POOLED ERROR AOV For SORHA GLXMA CONTROL % 30/May/2006 3 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	92791.666667				
R	3	37.500000	12.500000	1.375	0.2675	2.51
A	1	3008.333333	3008.333333	330.917	0.0001	1.78
B	5	76660.416667	15332.083333	1686.529	0.0001	3.08
AB	5	12785.416667	2557.083333	281.279	0.0001	4.35
ERROR	33	300.000000	9.090909			
FACTORIAL/POOLED ERROR AOV For ECHCG GLXMA CONTROL % 30/May/2006 3 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	105291.666667				
R	3	0.000000	0.000000	0.000	0.0000	0.00
A	1	3008.333333	3008.333333	0.000	0.0000	0.00
B	5	87241.666667	17448.333333	0.000	0.0000	0.00
AB	5	15041.666667	3008.333333	0.000	0.0000	0.00
ERROR	33	0.000000	0.000000			
FACTORIAL/POOLED ERROR AOV For AMARE GLXMA CONTROL % 30/May/2006 3 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	105291.666667				
R	3	0.000000	0.000000	0.000	0.0000	0.00
A	1	3008.333333	3008.333333	0.000	0.0000	0.00
B	5	87241.666667	17448.333333	0.000	0.0000	0.00
AB	5	15041.666667	3008.333333	0.000	0.0000	0.00
ERROR	33	0.000000	0.000000			
FACTORIAL/POOLED ERROR AOV For IPOHG GLXMA CONTROL % 5/Jun/2006 4 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	42524.479167				
R	3	30.729167	10.243056	1.000	0.4051	2.67
A	1	25.520833	25.520833	2.492	0.1240	1.89
B	5	42002.604167	8400.520833	820.119	0.0001	3.27
AB	5	127.604167	25.520833	2.492	0.0508	4.62
ERROR	33	338.020833	10.243056			
FACTORIAL/POOLED ERROR AOV For IPOLA GLXMA CONTROL % 5/Jun/2006 4 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	42524.479167				
R	3	30.729167	10.243056	1.000	0.4051	2.67
A	1	25.520833	25.520833	2.492	0.1240	1.89
B	5	42002.604167	8400.520833	820.119	0.0001	3.27
AB	5	127.604167	25.520833	2.492	0.0508	4.62
ERROR	33	338.020833	10.243056			
FACTORIAL/POOLED ERROR AOV For SEBEX GLXMA CONTROL % 5/Jun/2006 4 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	48616.666667				
R	3	20.833333	6.944444	0.604	0.6168	2.83
A	1	8.333333	8.333333	0.725	0.4006	2.00
B	5	48166.666667	9633.333333	838.418	0.0001	3.46
AB	5	41.666667	8.333333	0.725	0.6094	4.89
ERROR	33	379.166667	11.489899			

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Weed Code	CASOB	SORHA	ECHCG	AMARE	ECHCG	SORHA	CASOB			
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA			
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL			
Rating Unit	%	%	%	%	%	%	%			
Rating Date	5/Jun/2006	5/Jun/2006	5/Jun/2006	5/Jun/2006	12/Jun/2006	12/Jun/2006	12/Jun/2006			
Trt-Eval Interval	4 WAE	4 WAE	4 WAE	4 WAE	5 WAE	5 WAE	5 WAE			
ARM Action Codes										
# Subsamples, Dec.										
Trt Treatment	Rate	Unit	Appl Code							
No. Name				32	33	34	35	36	37	38
TABLE OF R MEANS										
Replicate 1				80.00	67.50	80.00	95.00	80.00	95.00	82.50
Replicate 2				85.00	77.50	82.50	95.00	82.50	90.00	87.50
Replicate 3				82.50	75.00	87.50	90.00	85.00	95.00	90.00
Replicate 4				95.00	85.00	92.50	95.00	82.50	95.00	95.00
TABLE OF A MEANS										
1 SYNCHRONY XP	1.5 oz wt/a	A		83.75	78.75	88.75	95.00	85.00	92.50	92.50
1 ROUNDUP WEATHERMAX	22 oz/a	AB								
1 SALVO	12.8 oz/a	A								
1 15 DBP										
2 VALOR	2 oz wt/a	A		87.50	73.75	82.50	92.50	80.00	95.00	85.00
2 ROUNDUP WEATHERMAX	22 oz/a	AB								
2 SALVO	12.8 oz/a	A								
2 15 DBP										
TABLE OF B MEANS										
1 1 WAE				.	.	.	.	.	.	.
2 2 WAE				.	.	.	.	.	.	.
3 3 WAE				.	.	.	.	.	.	.
4 4 WAE				85.63	76.25	85.63	93.75	.	.	.
5 1 WAE				.	.	.	.	.	.	.
5 3 WAE				.	.	.	.	.	.	.
6 1 WAE				.	.	.	.	82.50	93.75	88.75
6 3 WAE				.	.	.	.	.	.	.
6 5 WAE				.	.	.	.	.	.	.
TABLE OF AB MEANS										
1 SYNCHRONY XP	1.5 oz wt/a	A		.	.	.	.	.	.	.
1 ROUNDUP WEATHERMAX	22 oz/a	AB		.	.	.	.	.	.	.
1 SALVO	12.8 oz/a	A		.	.	.	.	.	.	.
1 15 DBP				.	.	.	.	.	.	.
1 1 WAE				.	.	.	.	.	.	.
2 VALOR	2 oz wt/a	A		.	.	.	.	.	.	.
2 ROUNDUP WEATHERMAX	22 oz/a	AB		.	.	.	.	.	.	.
2 SALVO	12.8 oz/a	A		.	.	.	.	.	.	.
2 15 DBP				.	.	.	.	.	.	.
1 1 WAE				.	.	.	.	.	.	.
1 SYNCHRONY XP	1.5 oz wt/a	A		.	.	.	.	.	.	.
1 ROUNDUP WEATHERMAX	22 oz/a	AB		.	.	.	.	.	.	.
1 SALVO	12.8 oz/a	A		.	.	.	.	.	.	.
1 15 DBP				.	.	.	.	.	.	.
2 2 WAE				.	.	.	.	.	.	.
2 VALOR	2 oz wt/a	A		.	.	.	.	.	.	.
2 ROUNDUP WEATHERMAX	22 oz/a	AB		.	.	.	.	.	.	.
2 SALVO	12.8 oz/a	A		.	.	.	.	.	.	.
2 15 DBP				.	.	.	.	.	.	.
2 2 WAE				.	.	.	.	.	.	.
1 SYNCHRONY XP	1.5 oz wt/a	A	
1 ROUNDUP WEATHERMAX	22 oz/a	AB	
1 SALVO	12.8 oz/a	A	
1 15 DBP			
3 3 WAE			

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Weed Code				CASOB	SORHA	ECHCG	AMARE	ECHCG	SORHA	CASOB
Crop Code				GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Data Type				CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit				%	%	%	%	%	%	%
Rating Date				5/Jun/2006	5/Jun/2006	5/Jun/2006	5/Jun/2006	12/Jun/2006	12/Jun/2006	12/Jun/2006
Trt-Eval Interval				4 WAE	4 WAE	4 WAE	4 WAE	5 WAE	5 WAE	5 WAE
ARM Action Codes										
# Subsamples, Dec.										
Trt	Treatment	Rate	Appl							
No.	Name	Unit	Code	32	33	34	35	36	37	38
2	VALOR	2 oz wt/a	A	.	.	.	.	.	.	.
2	ROUNDUP WEATHERMAX	22 oz/a	AB	.	.	.	.	.	.	.
2	SALVO	12.8 oz/a	A	.	.	.	.	.	.	.
2	15 DBP			.	.	.	.	.	.	.
3	3 WAE			.	.	.	.	.	.	.
1	SYNCHRONY XP	1.5 oz wt/a	A	83.75	78.75	88.75	95.00	.	.	.
1	ROUNDUP WEATHERMAX	22 oz/a	AB	.	.	.	.	.	.	.
1	SALVO	12.8 oz/a	A	.	.	.	.	.	.	.
1	15 DBP			.	.	.	.	.	.	.
4	4 WAE			.	.	.	.	.	.	.
2	VALOR	2 oz wt/a	A	87.50	73.75	82.50	92.50	.	.	.
2	ROUNDUP WEATHERMAX	22 oz/a	AB	.	.	.	.	.	.	.
2	SALVO	12.8 oz/a	A	.	.	.	.	.	.	.
2	15 DBP			.	.	.	.	.	.	.
4	4 WAE			.	.	.	.	.	.	.
1	SYNCHRONY XP	1.5 oz wt/a	A	.	.	.	.	.	.	.
1	ROUNDUP WEATHERMAX	22 oz/a	AB	.	.	.	.	.	.	.
1	SALVO	12.8 oz/a	A	.	.	.	.	.	.	.
1	15 DBP			.	.	.	.	.	.	.
5	1 WAE			.	.	.	.	.	.	.
5	3 WAE			.	.	.	.	.	.	.
2	VALOR	2 oz wt/a	A	.	.	.	.	.	.	.
2	ROUNDUP WEATHERMAX	22 oz/a	AB	.	.	.	.	.	.	.
2	SALVO	12.8 oz/a	A	.	.	.	.	.	.	.
2	15 DBP			.	.	.	.	.	.	.
5	1 WAE			.	.	.	.	.	.	.
5	3 WAE			.	.	.	.	.	.	.
1	SYNCHRONY XP	1.5 oz wt/a	A	.	.	.	.	85.00	92.50	92.50
1	ROUNDUP WEATHERMAX	22 oz/a	AB	.	.	.	.	.	.	.
1	SALVO	12.8 oz/a	A	.	.	.	.	.	.	.
1	15 DBP			.	.	.	.	.	.	.
6	1 WAE			.	.	.	.	.	.	.
6	3 WAE			.	.	.	.	.	.	.
6	5 WAE			.	.	.	.	.	.	.
2	VALOR	2 oz wt/a	A	80.00	95.00	85.00
2	ROUNDUP WEATHERMAX	22 oz/a	AB
2	SALVO	12.8 oz/a	A
2	15 DBP		
6	1 WAE		
6	3 WAE		
6	5 WAE		

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Trial ID:	Study Dir.:					
Location:	Investigator: Donnie Miller					
FACTORIAL/POOLED ERROR AOV For CASOB GLXMA CONTROL % 5/Jun/2006 4 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	49399.479167				
R	3	43.229167	14.409722	1.055	0.3812	3.08
A	1	4.687500	4.687500	0.343	0.5619	2.18
B	5	48877.604167	9775.520833	716.043	0.0001	3.77
AB	5	23.437500	4.687500	0.343	0.8828	5.34
ERROR	33	450.520833	13.652146			
FACTORIAL/POOLED ERROR AOV For SORHA GLXMA CONTROL % 5/Jun/2006 4 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	39247.916667				
R	3	52.083333	17.361111	1.486	0.2362	2.85
A	1	8.333333	8.333333	0.714	0.4044	2.01
B	5	38760.416667	7752.083333	663.746	0.0001	3.49
AB	5	41.666667	8.333333	0.714	0.6177	4.93
ERROR	33	385.416667	11.679293			
FACTORIAL/POOLED ERROR AOV For ECHCG GLXMA CONTROL % 5/Jun/2006 4 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	49549.479167				
R	3	30.729167	10.243056	0.600	0.6193	3.44
A	1	13.020833	13.020833	0.763	0.3886	2.43
B	5	48877.604167	9775.520833	572.967	0.0001	4.22
AB	5	65.104167	13.020833	0.763	0.5829	5.96
ERROR	33	563.020833	17.061237			
FACTORIAL/POOLED ERROR AOV For AMARE GLXMA CONTROL % 5/Jun/2006 4 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	58681.250000				
R	3	6.250000	2.083333	1.000	0.4051	1.20
A	1	2.083333	2.083333	1.000	0.3246	0.85
B	5	58593.750000	11718.750000	5625.001	0.0001	1.47
AB	5	10.416667	2.083333	1.000	0.4331	2.08
ERROR	33	68.750000	2.083333			
FACTORIAL/POOLED ERROR AOV For ECHCG GLXMA CONTROL % 12/Jun/2006 5 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	45525.000000				
R	3	4.166667	1.388889	0.478	0.6996	1.42
A	1	8.333333	8.333333	2.870	0.0997	1.00
B	5	45375.000000	9075.000000	3124.957	0.0001	1.74
AB	5	41.666667	8.333333	2.870	0.0294	2.46
ERROR	33	95.833333	2.904040			
FACTORIAL/POOLED ERROR AOV For SORHA GLXMA CONTROL % 12/Jun/2006 5 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	58681.250000				
R	3	6.250000	2.083333	1.000	0.4051	1.20
A	1	2.083333	2.083333	1.000	0.3246	0.85
B	5	58593.750000	11718.750000	5625.001	0.0001	1.47
AB	5	10.416667	2.083333	1.000	0.4331	2.08
ERROR	33	68.750000	2.083333			
FACTORIAL/POOLED ERROR AOV For CASOB GLXMA CONTROL % 12/Jun/2006 5 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	52847.916667				
R	3	27.083333	9.027778	1.505	0.2313	2.04
A	1	18.750000	18.750000	3.126	0.0863	1.44
B	5	52510.416667	10502.083333	1751.084	0.0001	2.50
AB	5	93.750000	18.750000	3.126	0.0203	3.54
ERROR	33	197.916667	5.997475			

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Trial ID:		Study Dir.:				
Location:		Investigator: Donnie Miller				
FACTORIAL/POOLED ERROR AOV For SEBEX GLXMA CONTROL % 12/Jun/2006 5 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	52020.312500				
R	3	26.562500	8.854167	1.345	0.2765	2.14
A	1	0.520833	0.520833	0.079	0.7802	1.51
B	5	51773.437500	10354.687500	1573.317	0.0001	2.62
AB	5	2.604167	0.520833	0.079	0.9950	3.70
ERROR	33	217.187500	6.581439			
FACTORIAL/POOLED ERROR AOV For IPOHG GLXMA CONTROL % 12/Jun/2006 5 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	56370.312500				
R	3	5.729167	1.909722	0.716	0.5495	1.36
A	1	0.520833	0.520833	0.195	0.6615	0.96
B	5	56273.437500	11254.687500	4219.509	0.0001	1.67
AB	5	2.604167	0.520833	0.195	0.9622	2.36
ERROR	33	88.020833	2.667298			
FACTORIAL/POOLED ERROR AOV For IPOLA GLXMA CONTROL % 12/Jun/2006 5 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	56370.312500				
R	3	5.729167	1.909722	0.716	0.5495	1.36
A	1	0.520833	0.520833	0.195	0.6615	0.96
B	5	56273.437500	11254.687500	4219.509	0.0001	1.67
AB	5	2.604167	0.520833	0.195	0.9622	2.36
ERROR	33	88.020833	2.667298			
FACTORIAL/POOLED ERROR AOV For AMARE GLXMA CONTROL % 12/Jun/2006 5 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	60166.666667				
R	3	0.000000	0.000000	0.000	0.0000	0.00
A	1	0.000000	0.000000	0.000	0.0000	0.00
B	5	60166.666667	12033.333333	0.000	0.0000	0.00
AB	5	0.000000	0.000000	0.000	0.0000	0.00
ERROR	33	0.000000	0.000000			
FACTORIAL/POOLED ERROR AOV For GLXMA YIELD LB/PLOT 7/Sep/2006						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	193.845547				
R	3	11.229742	3.743247	1.446	0.2473	1.34
A	1	10.282921	10.282921	3.971	0.0546	0.95
B	5	53.427388	10.685478	4.127	0.0051	1.64
AB	5	33.455020	6.691004	2.584	0.0444	2.32
ERROR	33	85.450476	2.589408			
FACTORIAL/POOLED ERROR AOV For GLXMA MOISTURE % 7/Sep/2006						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	31.164951				
R	3	5.210084	1.736695	3.285	0.0328	0.61
A	1	0.589508	0.589508	1.115	0.2987	0.43
B	5	6.796434	1.359287	2.571	0.0453	0.74
AB	5	1.121923	0.224385	0.424	0.8283	1.05
ERROR	33	17.447002	0.528697			

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Weed Code				GLXMA	GLXMA
Crop Code				YIELD	YIELD
Rating Data Type				BU/A	BU/A
Rating Unit				7/Sep/2006	7/Sep/2006
Rating Date				TY1	
Trt-Eval Interval				1	
ARM Action Codes					
# Subsamples, Dec.					
Trt	Treatment	Rate	Appl		
No.	Name	Rate	Unit	Code	
TABLE OF R MEANS				45	46
Replicate 1				28.3	26.30
Replicate 2				29.6	28.89
Replicate 3				27.4	28.20
Replicate 4				24.6	26.56
TABLE OF A MEANS					
1	SYNCHRONY XP	1.5 oz wt/a	A	29.2	28.68
1	ROUNDUP WEATHERMAX	22 oz/a	AB		
1	SALVO	12.8 oz/a	A		
1	15 DBP				
2	VALOR	2 oz wt/a	A	25.8	26.30
2	ROUNDUP WEATHERMAX	22 oz/a	AB		
2	SALVO	12.8 oz/a	A		
2	15 DBP				
TABLE OF B MEANS					
1	1 WAE			21.5	18.62
2	2 WAE			23.2	24.39
3	3 WAE			28.1	26.69
4	4 WAE			28.9	29.10
5	1 WAE			30.3	33.20
5	3 WAE				
6	1 WAE			32.9	32.92
6	3 WAE				
6	5 WAE				
TABLE OF AB MEANS					
1	SYNCHRONY XP	1.5 oz wt/a	A	26.6	20.90
1	ROUNDUP WEATHERMAX	22 oz/a	AB		
1	SALVO	12.8 oz/a	A		
1	15 DBP				
1	1 WAE				
2	VALOR	2 oz wt/a	A	16.4	16.35
2	ROUNDUP WEATHERMAX	22 oz/a	AB		
2	SALVO	12.8 oz/a	A		
2	15 DBP				
1	1 WAE				
1	SYNCHRONY XP	1.5 oz wt/a	A	26.2	28.67
1	ROUNDUP WEATHERMAX	22 oz/a	AB		
1	SALVO	12.8 oz/a	A		
1	15 DBP				
2	2 WAE				
2	VALOR	2 oz wt/a	A	20.1	20.11
2	ROUNDUP WEATHERMAX	22 oz/a	AB		
2	SALVO	12.8 oz/a	A		
2	15 DBP				
2	2 WAE				
1	SYNCHRONY XP	1.5 oz wt/a	A	25.8	25.17
1	ROUNDUP WEATHERMAX	22 oz/a	AB		
1	SALVO	12.8 oz/a	A		
1	15 DBP				
3	3 WAE				

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Weed Code				GLXMA	GLXMA
Crop Code				YIELD	YIELD
Rating Data Type				BU/A	BU/A
Rating Unit				7/Sep/2006	7/Sep/2006
Rating Date				TY1	
Trt-Eval Interval				1	
ARM Action Codes					
# Subsamples, Dec.					
Trt No.	Treatment Name	Rate	Unit	Appl Code	
					45
2	VALOR	2	oz wt/a	A	30.5
2	ROUNDUP WEATHERMAX	22	oz/a	AB	28.22
2	SALVO	12.8	oz/a	A	
2	15 DBP				
3	3 WAE				
1	SYNCHRONY XP	1.5	oz wt/a	A	28.8
1	ROUNDUP WEATHERMAX	22	oz/a	AB	26.18
1	SALVO	12.8	oz/a	A	
1	15 DBP				
4	4 WAE				
2	VALOR	2	oz wt/a	A	29.1
2	ROUNDUP WEATHERMAX	22	oz/a	AB	32.02
2	SALVO	12.8	oz/a	A	
2	15 DBP				
4	4 WAE				
1	SYNCHRONY XP	1.5	oz wt/a	A	29.3
1	ROUNDUP WEATHERMAX	22	oz/a	AB	32.77
1	SALVO	12.8	oz/a	A	
1	15 DBP				
5	1 WAE				
5	3 WAE				
2	VALOR	2	oz wt/a	A	31.3
2	ROUNDUP WEATHERMAX	22	oz/a	AB	33.63
2	SALVO	12.8	oz/a	A	
2	15 DBP				
5	1 WAE				
5	3 WAE				
1	SYNCHRONY XP	1.5	oz wt/a	A	38.4
1	ROUNDUP WEATHERMAX	22	oz/a	AB	38.38
1	SALVO	12.8	oz/a	A	
1	15 DBP				
6	1 WAE				
6	3 WAE				
6	5 WAE				
2	VALOR	2	oz wt/a	A	27.5
2	ROUNDUP WEATHERMAX	22	oz/a	AB	27.46
2	SALVO	12.8	oz/a	A	
2	15 DBP				
6	1 WAE				
6	3 WAE				
6	5 WAE				

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Trial ID: Study Dir.:
 Location: Investigator: Donnie Miller

FACTORIAL/POOLED ERROR AOV For GLXMA YIELD BU/A 7/Sep/2006 TY1 1						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	2590.154905				
R	3	162.659696	54.219899	1.632	0.2006	4.8
A	1	137.564375	137.564375	4.142	0.0499	3.4
B	5	755.895221	151.179044	4.552	0.0029	5.9
AB	5	438.011502	87.602300	2.638	0.0411	8.3
ERROR	33	1096.024111	33.212852			
FACTORIAL/POOLED ERROR AOV For GLXMA YIELD BU/A 7/Sep/2006						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	47	2106.339561				
R	3	57.059406	19.019802	2.049	0.1261	2.54
A	1	67.907018	67.907018	7.315	0.0107	1.80
B	5	1228.443088	245.688618	26.465	0.0001	3.11
AB	5	446.569138	89.313828	9.621	0.0001	4.40
ERROR	33	306.360910	9.283664			

Column 45: TY1 = 3.628186*[43]*(100-[44])/87