

LSU Northeast Research Station

EARLY SEASON RESIDUAL WEED CONTROL WITH SYNCHRONY XP AND VALOR AS AFFECTED BY PREPLANT APPLICATION INTERVAL 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
Application Date:	5/Apr/2006	18/Apr/2006	15/May/2006	23/May/2006	5/Jun/2006
Time of Day:	2:50 PM	10:45 AM	11:30 AM	1:00 PM	12:00 PM
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	EARPRE	EARPRE	EAPOCR	EAPOCR	POSPOS
Applic. Placement:	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	84 F	88 F	70 F	90 F	84 F
% Relative Humidity:	42	56	60	48	55
Wind Velocity, Unit:	1.8 MPH	2.7 MPH	3.5 MPH	2.1 MPH	1.2 MPH
Dew Presence (Y/N):	N	N	N	N	N
Water Hardness:					
Soil Temp., Unit:	83 F	78 F	73 F	88 F	85 F
Soil Moisture:	DRY	DRY	MOIST	DRY	DRY
% Cloud Cover:	10	0	35	20	20

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E
Crop 1 Code, Stage:	GLXMA N/A	GLXMA N/A	GLXMA VI	GLXMA 1 TRIFOL	GLXMA 5 TRIFOL
Stage Scale:					
Height, Unit:					

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WEED STAGE AT EACH APPLICATION

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

APPLICATION EQUIPMENT

	A	B	C	D	E
Appl. Equipment:	CO2 BCPCCK	CO2 BCPCCK	CO2 BCPCCK	CO2 BCPCCK	CO2 BCPCCK
Operating Pressure:	36 PSI	36 PSI	36 PSI	35 PSI	35 PSI
Nozzle Type:	AI	AI	AI	AI	AI
Nozzle Size:	11002	11002	11002	11002	11002
Nozzle Spacing, Unit:	20 "	20 "	20 "	20 "	20 "
Nozzles/Row:	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
Incorporation Equip.:					
Hours to Incorp.:					
Incorp. Depth, Unit:					
Carrier:	WATER	WATER	WATER	WATER	WATER
Spray Volume, Unit:	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 IPOLA GLXMA CONTROL % 3/May/2006 28 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	71	1957.986111				
R	3	128.819444	42.939815	3.876	0.0143	2.22
A	2	521.527778	260.763889	23.541	0.0001	1.92
B	1	425.347222	425.347222	38.399	0.0001	1.57
AB	2	188.194444	94.097222	8.495	0.0007	2.72
C	2	4.861111	2.430556	0.219	0.8037	1.92
AC	4	28.472222	7.118056	0.643	0.6346	3.33
BC	2	25.694444	12.847222	1.160	0.3217	2.72
ABC	4	70.138889	17.534722	1.583	0.1930	4.71
ERROR	51	564.930556	11.077070			

FACTORIAL/POOLED ERROR AOV For IPOHG GLXMA CONTROL % 3/May/2006 28 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	71	1957.986111				
R	3	128.819444	42.939815	3.876	0.0143	2.22
A	2	521.527778	260.763889	23.541	0.0001	1.92
B	1	425.347222	425.347222	38.399	0.0001	1.57
AB	2	188.194444	94.097222	8.495	0.0007	2.72
C	2	4.861111	2.430556	0.219	0.8037	1.92
AC	4	28.472222	7.118056	0.643	0.6346	3.33
BC	2	25.694444	12.847222	1.160	0.3217	2.72
ABC	4	70.138889	17.534722	1.583	0.1930	4.71
ERROR	51	564.930556	11.077070			

FACTORIAL/POOLED ERROR AOV For SEBEX GLXMA CONTROL % 3/May/2006 28 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	71	2982.986111				
R	3	73.263889	24.421296	0.833	0.4820	3.61
A	2	596.527778	298.263889	10.172	0.0002	3.13
B	1	333.680556	333.680556	11.379	0.0014	2.55
AB	2	284.027778	142.013889	4.843	0.0119	4.42
C	2	50.694444	25.347222	0.864	0.4274	3.13
AC	4	38.888889	9.722222	0.332	0.8555	5.42
BC	2	34.027778	17.013889	0.580	0.5634	4.42
ABC	4	76.388889	19.097222	0.651	0.6286	7.66
ERROR	51	1495.486111	29.323257			

FACTORIAL/POOLED ERROR AOV For CASOB GLXMA CONTROL % 3/May/2006 28 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	71	3700.000000				
R	3	75.000000	25.000000	0.729	0.5397	3.91
A	2	168.750000	84.375000	2.459	0.0956	3.38
B	1	1250.000000	1250.000000	36.429	0.0001	2.76
AB	2	77.083333	38.541667	1.123	0.3331	4.78
C	2	56.250000	28.125000	0.820	0.4463	3.38
AC	4	143.750000	35.937500	1.047	0.3921	5.86
BC	2	39.583333	19.791667	0.577	0.5653	4.78
ABC	4	139.583333	34.895833	1.017	0.4075	8.28
ERROR	51	1750.000000	34.313725			

FACTORIAL/POOLED ERROR AOV For ECHCG GLXMA CONTROL % 3/May/2006 28 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	71	2896.875000				
R	3	95.486111	31.828704	1.341	0.2715	3.25
A	2	975.000000	487.500000	20.535	0.0001	2.81
B	1	292.013889	292.013889	12.300	0.0010	2.30
AB	2	169.444444	84.722222	3.569	0.0354	3.98
C	2	2.083333	1.041667	0.044	0.9571	2.81
AC	4	22.916667	5.729167	0.241	0.9136	4.87
BC	2	71.527778	35.763889	1.506	0.2314	3.98
ABC	4	57.638889	14.409722	0.607	0.6594	6.89
ERROR	51	1210.763889	23.740468			

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FACTORIAL/POOLED ERROR AOV For SORHA GLXMA CONTROL % 3/May/2006 28 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	71	2896.875000				
R	3	95.486111	31.828704	1.341	0.2715	3.25
A	2	975.000000	487.500000	20.535	0.0001	2.81
B	1	292.013889	292.013889	12.300	0.0010	2.30
AB	2	169.444444	84.722222	3.569	0.0354	3.98
C	2	2.083333	1.041667	0.044	0.9571	2.81
AC	4	22.916667	5.729167	0.241	0.9136	4.87
BC	2	71.527778	35.763889	1.506	0.2314	3.98
ABC	4	57.638889	14.409722	0.607	0.6594	6.89
ERROR	51	1210.763889	23.740468			

FACTORIAL/POOLED ERROR AOV For AMARE GLXMA CONTROL % 3/May/2006 28 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	71	24.652778				
R	3	1.041667	0.347222	1.000	0.4005	0.39
A	2	0.694444	0.347222	1.000	0.3750	0.34
B	1	0.347222	0.347222	1.000	0.3220	0.28
AB	2	0.694444	0.347222	1.000	0.3750	0.48
C	2	0.694444	0.347222	1.000	0.3750	0.34
AC	4	1.388889	0.347222	1.000	0.4162	0.59
BC	2	0.694444	0.347222	1.000	0.3750	0.48
ABC	4	1.388889	0.347222	1.000	0.4162	0.83
ERROR	51	17.708333	0.347222			

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

FACTORIAL/POOLED ERROR AOV For IPOLA GLXMA CONTROL % 15/May/2006 1 WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	71	108582.986111				
R	3	62.152778	20.717593	1.444	0.2408	2.52
A	2	746.527778	373.263889	26.020	0.0001	2.19
B	1	153.125000	153.125000	10.674	0.0019	1.79
AB	2	2.083333	1.041667	0.073	0.9301	3.09
C	2	105084.027778	52542.013889	3662.730	0.0001	2.19
AC	4	1493.055556	373.263889	26.020	0.0001	3.79
BC	2	306.250000	153.125000	10.674	0.0001	3.09
ABC	4	4.166667	1.041667	0.073	0.9901	5.36
ERROR	51	731.597222	14.345044			

FACTORIAL/POOLED ERROR AOV For IPOHG GLXMA CONTROL % 15/May/2006 1WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	71	108582.986111				
R	3	62.152778	20.717593	1.444	0.2408	2.52
A	2	746.527778	373.263889	26.020	0.0001	2.19
B	1	153.125000	153.125000	10.674	0.0019	1.79
AB	2	2.083333	1.041667	0.073	0.9301	3.09
C	2	105084.027778	52542.013889	3662.730	0.0001	2.19
AC	4	1493.055556	373.263889	26.020	0.0001	3.79
BC	2	306.250000	153.125000	10.674	0.0001	3.09
ABC	4	4.166667	1.041667	0.073	0.9901	5.36
ERROR	51	731.597222	14.345044			

FACTORIAL/POOLED ERROR AOV For SEBEX GLXMA CONTROL % 15/May/2006 1WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	71	120431.944444				
R	3	12.500000	4.166667	0.370	0.7753	2.24
A	2	746.527778	373.263889	33.107	0.0001	1.94
B	1	200.000000	200.000000	17.739	0.0001	1.58
AB	2	89.583333	44.791667	3.973	0.0249	2.74
C	2	116736.111111	58368.055556	5176.993	0.0001	1.94
AC	4	1493.055556	373.263889	33.107	0.0001	3.36
BC	2	400.000000	200.000000	17.739	0.0001	2.74
ABC	4	179.166667	44.791667	3.973	0.0070	4.75
ERROR	51	575.000000	11.274510			

FACTORIAL/POOLED ERROR AOV For CASOB GLXMA CONTROL % 15/May/2006 1WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	71	101531.944444				
R	3	34.722222	11.574074	0.371	0.7741	3.72
A	2	77.777778	38.888889	1.247	0.2959	3.22
B	1	612.500000	612.500000	19.643	0.0001	2.63
AB	2	233.333333	116.666667	3.741	0.0305	4.56
C	2	97136.111111	48568.055556	1557.571	0.0001	3.22
AC	4	155.555556	38.888889	1.247	0.3029	5.58
BC	2	1225.000000	612.500000	19.643	0.0001	4.56
ABC	4	466.666667	116.666667	3.741	0.0096	7.90
ERROR	51	1590.277778	31.181917			

FACTORIAL/POOLED ERROR AOV For ECHCG GLXMA CONTROL % 15/May/2006 1WAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	71	114994.444444				
R	3	36.111111	12.037037	0.860	0.4679	2.49
A	2	729.861111	364.930556	26.071	0.0001	2.16
B	1	272.222222	272.222222	19.447	0.0001	1.76
AB	2	42.361111	21.180556	1.513	0.2299	3.05
C	2	111111.111111	55555.555556	3968.872	0.0001	2.16
AC	4	1459.722222	364.930556	26.071	0.0001	3.74
BC	2	544.444444	272.222222	19.447	0.0001	3.05
ABC	4	84.722222	21.180556	1.513	0.2122	5.29
ERROR	51	713.888889	13.997821			

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FACTORIAL/POOLED ERROR AOV For SORHA GLXMA CONTROL % 15/May/2006 1WAE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	71	129887.500000				
R	3	40.277778	13.425926	0.654	0.5842	3.02
A	2	356.250000	178.125000	8.675	0.0006	2.62
B	1	272.222222	272.222222	13.257	0.0006	2.14
AB	2	296.527778	148.263889	7.220	0.0017	3.70
C	2	126025.000000	63012.500000	3068.726	0.0001	2.62
AC	4	712.500000	178.125000	8.675	0.0001	4.53
BC	2	544.444444	272.222222	13.257	0.0001	3.70
ABC	4	593.055556	148.263889	7.220	0.0001	6.41
ERROR	51	1047.222222	20.533769			

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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	Rate Unit	Code	14	15	16	17	18
TABLE OF R MEANS							
Replicate 1			91.67	73.33	73.33	75.00	71.67
Replicate 2			90.00	70.83	70.83	75.00	75.00
Replicate 3			93.33	72.50	72.50	75.83	71.67
Replicate 4			92.50	67.50	67.50	75.00	63.33
TABLE OF A MEANS							
1 ROUNDUP WEATHERMAX	22 oz/a	AC	85.63	46.25	46.25	53.75	55.63
1 SALVO	12.8 oz/a	A					
2 SYNCHRONY XP	1.5 oz wt/a	A	95.00	88.13	88.13	79.38	75.00
2 ROUNDUP WEATHERMAX	22 oz/a	AC					
2 SALVO	12.8 oz/a	A					
3 VALOR	2 oz wt/a	A	95.00	78.75	78.75	92.50	80.63
3 ROUNDUP WEATHERMAX	22 oz/a	AC					
3 SALVO	12.8 oz/a	A					
TABLE OF B MEANS							
1 30 DBP			89.58	64.58	64.58	68.75	62.92
2 15 DBP			94.17	77.50	77.50	81.67	77.92
TABLE OF C MEANS							
1 1 WAE			91.88	.	.	.	.
2 2 WAE			.	71.04	71.04	75.21	70.42
3 4 WAE			.	.	.	.	.
TABLE OF AB MEANS							
1 ROUNDUP WEATHERMAX	22 oz/a	AC	78.75	40.00	40.00	42.50	42.50
1 SALVO	12.8 oz/a	A					
1 30 DBP							
2 SYNCHRONY XP	1.5 oz wt/a	A	95.00	82.50	82.50	72.50	73.75
2 ROUNDUP WEATHERMAX	22 oz/a	AC					
2 SALVO	12.8 oz/a	A					
1 30 DBP							
3 VALOR	2 oz wt/a	A	95.00	71.25	71.25	91.25	72.50
3 ROUNDUP WEATHERMAX	22 oz/a	AC					
3 SALVO	12.8 oz/a	A					
1 30 DBP							
1 ROUNDUP WEATHERMAX	22 oz/a	AC	92.50	52.50	52.50	65.00	68.75
1 SALVO	12.8 oz/a	A					
2 15 DBP							
2 SYNCHRONY XP	1.5 oz wt/a	A	95.00	93.75	93.75	86.25	76.25
2 ROUNDUP WEATHERMAX	22 oz/a	AC					
2 SALVO	12.8 oz/a	A					
2 15 DBP							
3 VALOR	2 oz wt/a	A	95.00	86.25	86.25	93.75	88.75
3 ROUNDUP WEATHERMAX	22 oz/a	AC					
3 SALVO	12.8 oz/a	A					
2 15 DBP							
TABLE OF AC MEANS							
1 ROUNDUP WEATHERMAX	22 oz/a	AC	85.63
1 SALVO	12.8 oz/a	A					
1 1 WAE							

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

FACTORIAL/POOLED ERROR AOV For AMARE GLXMA CONTROL % 15/May/2006
1WAE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	71	136046.875000				
R	3	12.152778	4.050926	1.570	0.2080	1.07
A	2	156.250000	78.125000	30.277	0.0001	0.93
B	1	42.013889	42.013889	16.282	0.0002	0.76
AB	2	84.027778	42.013889	16.282	0.0001	1.31
C	2	135056.250000	67528.125000	26170.268	0.0001	0.93
AC	4	312.500000	78.125000	30.277	0.0001	1.61
BC	2	84.027778	42.013889	16.282	0.0001	1.31
ABC	4	168.055556	42.013889	16.282	0.0001	2.27
ERROR	51	131.597222	2.580338			

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	71	92849.652778				
R	3	39.930556	13.310185	0.205	0.8927	5.38
A	2	2575.694444	1287.847222	19.805	0.0001	4.66
B	1	333.680556	333.680556	5.132	0.0278	3.80
AB	2	4.861111	2.430556	0.037	0.9633	6.58
C	2	80750.694444	40375.347222	620.912	0.0001	4.66
AC	4	5151.388889	1287.847222	19.805	0.0001	8.06
BC	2	667.361111	333.680556	5.132	0.0093	6.58
ABC	4	9.722222	2.430556	0.037	0.9972	11.40
ERROR	51	3316.319444	65.025871			

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	71	92849.652778				
R	3	39.930556	13.310185	0.205	0.8927	5.38
A	2	2575.694444	1287.847222	19.805	0.0001	4.66
B	1	333.680556	333.680556	5.132	0.0278	3.80
AB	2	4.861111	2.430556	0.037	0.9633	6.58
C	2	80750.694444	40375.347222	620.912	0.0001	4.66
AC	4	5151.388889	1287.847222	19.805	0.0001	8.06
BC	2	667.361111	333.680556	5.132	0.0093	6.58
ABC	4	9.722222	2.430556	0.037	0.9972	11.40
ERROR	51	3316.319444	65.025871			

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	71	102974.652778				
R	3	1.041667	0.347222	0.004	0.9997	6.50
A	2	2071.527778	1035.763889	10.880	0.0001	5.63
B	1	333.680556	333.680556	3.505	0.0669	4.60
AB	2	134.027778	67.013889	0.704	0.4994	7.97
C	2	90500.694444	45250.347222	475.318	0.0001	5.63
AC	4	4143.055556	1035.763889	10.880	0.0001	9.76
BC	2	667.361111	333.680556	3.505	0.0375	7.97
ABC	4	268.055556	67.013889	0.704	0.5929	13.80
ERROR	51	4855.208333	95.200163			

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	71	90731.944444				
R	3	148.611111	49.537037	0.384	0.7648	7.57
A	2	917.361111	458.680556	3.557	0.0358	6.56
B	1	450.000000	450.000000	3.490	0.0675	5.35
AB	2	189.583333	94.791667	0.735	0.4845	9.27
C	2	79336.111111	39668.055556	307.626	0.0001	6.56
AC	4	1834.722222	458.680556	3.557	0.0124	11.36
BC	2	900.000000	450.000000	3.490	0.0380	9.27
ABC	4	379.166667	94.791667	0.735	0.5723	16.06
ERROR	51	6576.388889	128.948802			

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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	71	110182.986111				
R	3	48.263889	16.087963	0.141	0.9352	7.13
A	2	2852.777778	1426.388889	12.471	0.0001	6.17
B	1	17.013889	17.013889	0.149	0.7013	5.04
AB	2	36.111111	18.055556	0.158	0.8544	8.73
C	2	95584.027778	47792.013889	417.864	0.0001	6.17
AC	4	5705.555556	1426.388889	12.471	0.0001	10.69
BC	2	34.027778	17.013889	0.149	0.8621	8.73
ABC	4	72.222222	18.055556	0.158	0.9585	15.12
ERROR	51	5832.986111	114.372277			

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Weed Code				ECHCG	AMARE	IPOLA	IPOHG	SEBEX	CASOB	ECHCG	
Crop Code				GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
Rating Data Type				CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit				%	%	%	%	%	%	%	
Rating Date				22/May/2006	22/May/2006	5/Jun/2006	5/Jun/2006	5/Jun/2006	5/Jun/2006	5/Jun/2006	
Trt-Eval Interval				2 WAE	2 WAE	4 WAE	4 WAE	4 WAE	4 WAE	4 WAE	
ARM Action Codes											
# Subsamples, Dec.											
Trt	Treatment	Rate	Unit	Appl Code	20	21	22	23	24	25	26
3	VALOR	2	oz wt/a	A	.	.	.	.	.	.	.
3	ROUNDUP WEATHERMAX	22	oz/a	AC	.	.	.	.	.	.	.
3	SALVO	12.8	oz/a	A	.	.	.	.	.	.	.
1	30 DBP				.	.	.	.	.	.	.
1	1 WAE				.	.	.	.	.	.	.
1	ROUNDUP WEATHERMAX	22	oz/a	AC	.	.	.	.	.	.	.
1	SALVO	12.8	oz/a	A	.	.	.	.	.	.	.
2	15 DBP				.	.	.	.	.	.	.
1	1 WAE				.	.	.	.	.	.	.
2	SYNCHRONY XP	1.5	oz wt/a	A	.	.	.	.	.	.	.
2	ROUNDUP WEATHERMAX	22	oz/a	AC	.	.	.	.	.	.	.
2	SALVO	12.8	oz/a	A	.	.	.	.	.	.	.
2	15 DBP				.	.	.	.	.	.	.
1	1 WAE				.	.	.	.	.	.	.
3	VALOR	2	oz wt/a	A	.	.	.	.	.	.	.
3	ROUNDUP WEATHERMAX	22	oz/a	AC	.	.	.	.	.	.	.
3	SALVO	12.8	oz/a	A	.	.	.	.	.	.	.
2	15 DBP				.	.	.	.	.	.	.
1	1 WAE				.	.	.	.	.	.	.
1	ROUNDUP WEATHERMAX	22	oz/a	AC	40.00	45.00	.	.	.	.	.
1	SALVO	12.8	oz/a	A	.	.	.	.	.	.	.
1	30 DBP				.	.	.	.	.	.	.
2	2 WAE				.	.	.	.	.	.	.
2	SYNCHRONY XP	1.5	oz wt/a	A	88.75	95.00	.	.	.	.	.
2	ROUNDUP WEATHERMAX	22	oz/a	AC	.	.	.	.	.	.	.
2	SALVO	12.8	oz/a	A	.	.	.	.	.	.	.
1	30 DBP				.	.	.	.	.	.	.
2	2 WAE				.	.	.	.	.	.	.
3	VALOR	2	oz wt/a	A	90.00	95.00	.	.	.	.	.
3	ROUNDUP WEATHERMAX	22	oz/a	AC	.	.	.	.	.	.	.
3	SALVO	12.8	oz/a	A	.	.	.	.	.	.	.
1	30 DBP				.	.	.	.	.	.	.
2	2 WAE				.	.	.	.	.	.	.
1	ROUNDUP WEATHERMAX	22	oz/a	AC	55.00	50.00	.	.	.	.	.
1	SALVO	12.8	oz/a	A	.	.	.	.	.	.	.
2	15 DBP				.	.	.	.	.	.	.
2	2 WAE				.	.	.	.	.	.	.
2	SYNCHRONY XP	1.5	oz wt/a	A	86.25	95.00	.	.	.	.	.
2	ROUNDUP WEATHERMAX	22	oz/a	AC	.	.	.	.	.	.	.
2	SALVO	12.8	oz/a	A	.	.	.	.	.	.	.
2	15 DBP				.	.	.	.	.	.	.
2	2 WAE				.	.	.	.	.	.	.
3	VALOR	2	oz wt/a	A	92.50	95.00	.	.	.	.	.
3	ROUNDUP WEATHERMAX	22	oz/a	AC	.	.	.	.	.	.	.
3	SALVO	12.8	oz/a	A	.	.	.	.	.	.	.
2	15 DBP				.	.	.	.	.	.	.
2	2 WAE				.	.	.	.	.	.	.
1	ROUNDUP WEATHERMAX	22	oz/a	AC	.	.	46.25	46.25	47.50	40.00	35.00
1	SALVO	12.8	oz/a	A	.	.	.	.	.	.	.
1	30 DBP				.	.	.	.	.	.	.
3	4 WAE				.	.	.	.	.	.	.
2	SYNCHRONY XP	1.5	oz wt/a	A	.	.	70.00	70.00	66.25	60.00	71.25
2	ROUNDUP WEATHERMAX	22	oz/a	AC
2	SALVO	12.8	oz/a	A
1	30 DBP			
3	4 WAE			

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

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	71	104148.611111				
R	3	12.500000	4.166667	0.065	0.9780	5.32
A	2	3136.111111	1568.055556	24.606	0.0001	4.61
B	1	50.000000	50.000000	0.785	0.3799	3.76
AB	2	108.333333	54.166667	0.850	0.4334	6.52
C	2	91002.777778	45501.388889	714.022	0.0001	4.61
AC	4	6272.222222	1568.055556	24.606	0.0001	7.98
BC	2	100.000000	50.000000	0.785	0.4617	6.52
ABC	4	216.666667	54.166667	0.850	0.5003	11.29
ERROR	51	3250.000000	63.725490			

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	71	116511.111111				
R	3	25.000000	8.333333	0.103	0.9579	6.00
A	2	4011.111111	2005.555556	24.796	0.0001	5.19
B	1	5.555556	5.555556	0.069	0.7943	4.24
AB	2	11.111111	5.555556	0.069	0.9337	7.34
C	2	100277.777778	50138.888889	619.899	0.0001	5.19
AC	4	8022.222222	2005.555556	24.796	0.0001	8.99
BC	2	11.111111	5.555556	0.069	0.9337	7.34
ABC	4	22.222222	5.555556	0.069	0.9911	12.72
ERROR	51	4125.000000	80.882353			

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	71	72931.944444				
R	3	284.722222	94.907407	0.949	0.4242	6.67
A	2	1200.694444	600.347222	6.000	0.0046	5.78
B	1	138.888889	138.888889	1.388	0.2442	4.72
AB	2	63.194444	31.597222	0.316	0.7306	8.17
C	2	63336.111111	31668.055556	316.508	0.0001	5.78
AC	4	2401.388889	600.347222	6.000	0.0005	10.00
BC	2	277.777778	138.888889	1.388	0.2588	8.17
ABC	4	126.388889	31.597222	0.316	0.8661	14.15
ERROR	51	5102.777778	100.054466			

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	71	72931.944444				
R	3	284.722222	94.907407	0.949	0.4242	6.67
A	2	1200.694444	600.347222	6.000	0.0046	5.78
B	1	138.888889	138.888889	1.388	0.2442	4.72
AB	2	63.194444	31.597222	0.316	0.7306	8.17
C	2	63336.111111	31668.055556	316.508	0.0001	5.78
AC	4	2401.388889	600.347222	6.000	0.0005	10.00
BC	2	277.777778	138.888889	1.388	0.2588	8.17
ABC	4	126.388889	31.597222	0.316	0.8661	14.15
ERROR	51	5102.777778	100.054466			

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	71	96627.777778				
R	3	363.888889	121.296296	1.607	0.1991	5.79
A	2	1817.361111	908.680556	12.041	0.0001	5.02
B	1	168.055556	168.055556	2.227	0.1418	4.10
AB	2	138.194444	69.097222	0.916	0.4067	7.09
C	2	86044.444444	43022.222222	570.110	0.0001	5.02
AC	4	3634.722222	908.680556	12.041	0.0001	8.69
BC	2	336.111111	168.055556	2.227	0.1182	7.09
ABC	4	276.388889	69.097222	0.916	0.4620	12.29
ERROR	51	3848.611111	75.462963			

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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	71	67727.777778				
R	3	55.555556	18.518519	0.236	0.8711	5.91
A	2	304.861111	152.430556	1.940	0.1541	5.12
B	1	272.222222	272.222222	3.465	0.0685	4.18
AB	2	363.194444	181.597222	2.311	0.1094	7.24
C	2	60844.444444	30422.222222	387.211	0.0001	5.12
AC	4	609.722222	152.430556	1.940	0.1179	8.86
BC	2	544.444444	272.222222	3.465	0.0388	7.24
ABC	4	726.388889	181.597222	2.311	0.0702	12.54
ERROR	51	4006.944444	78.567538			

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	71	61016.319444				
R	3	201.041667	67.013889	2.290	0.0894	3.61
A	2	2259.027778	1129.513889	38.591	0.0001	3.12
B	1	0.347222	0.347222	0.012	0.9137	2.55
AB	2	9.027778	4.513889	0.154	0.8575	4.42
C	2	52517.361111	26258.680556	897.156	0.0001	3.12
AC	4	4518.055556	1129.513889	38.591	0.0001	5.41
BC	2	0.694444	0.347222	0.012	0.9882	4.42
ABC	4	18.055556	4.513889	0.154	0.9602	7.65
ERROR	51	1492.708333	29.268791			

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Trial ID:		Study Dir.:				
Location:		Investigator: Donnie Miller				
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	71	70024.652778				
R	3	545.486111	181.828704	1.879	0.1449	6.56
A	2	2046.527778	1023.263889	10.573	0.0001	5.68
B	1	8.680556	8.680556	0.090	0.7658	4.64
AB	2	125.694444	62.847222	0.649	0.5266	8.03
C	2	58000.694444	29000.347222	299.653	0.0001	5.68
AC	4	4093.055556	1023.263889	10.573	0.0001	9.84
BC	2	17.361111	8.680556	0.090	0.9144	8.03
ABC	4	251.388889	62.847222	0.649	0.6299	13.91
ERROR	51	4935.763889	96.779684			
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	71	117700.000000				
R	3	380.555556	126.851852	1.865	0.1473	5.50
A	2	1608.333333	804.166667	11.821	0.0001	4.76
B	1	22.222222	22.222222	0.327	0.5701	3.89
AB	2	19.444444	9.722222	0.143	0.8672	6.73
C	2	108900.000000	54450.000000	800.402	0.0001	4.76
AC	4	3216.666667	804.166667	11.821	0.0001	8.25
BC	2	44.444444	22.222222	0.327	0.7228	6.73
ABC	4	38.888889	9.722222	0.143	0.9653	11.66
ERROR	51	3469.444444	68.028322			
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	71	250.887467				
R	3	57.105652	19.035217	9.257	0.0001	0.96
A	2	34.455355	17.227678	8.378	0.0007	0.83
B	1	3.800794	3.800794	1.848	0.1799	0.68
AB	2	5.791833	2.895917	1.408	0.2539	1.17
C	2	7.015441	3.507721	1.706	0.1918	0.83
AC	4	23.638099	5.909525	2.874	0.0319	1.43
BC	2	9.913338	4.956669	2.411	0.0999	1.17
ABC	4	4.298745	1.074686	0.523	0.7195	2.03
ERROR	51	104.868208	2.056239			
FACTORIAL/POOLED ERROR AOV For GLXMA MOISTURE % 7/Sep/2006						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	71	1387.882964				
R	3	46.380636	15.460212	0.886	0.4549	2.79
A	2	66.690367	33.345183	1.910	0.1585	2.41
B	1	15.825520	15.825520	0.907	0.3455	1.97
AB	2	42.896116	21.448058	1.229	0.3012	3.41
C	2	128.615973	64.307986	3.684	0.0320	2.41
AC	4	141.317716	35.329429	2.024	0.1050	4.18
BC	2	21.183925	10.591962	0.607	0.5490	3.41
ABC	4	34.683575	8.670894	0.497	0.7382	5.91
ERROR	51	890.289136	17.456650			
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	71	3287.258175				
R	3	694.171107	231.390369	8.289	0.0001	3.5
A	2	457.949133	228.974567	8.202	0.0008	3.1
B	1	37.957209	37.957209	1.360	0.2490	2.5
AB	2	69.591774	34.795887	1.246	0.2961	4.3
C	2	63.716358	31.858179	1.141	0.3274	3.1
AC	4	326.948088	81.737022	2.928	0.0296	5.3
BC	2	161.655095	80.827548	2.895	0.0644	4.3
ABC	4	51.559749	12.889937	0.462	0.7634	7.5
ERROR	51	1423.709661	27.915876			

Column 31: TY1 = 3.628186*[29]*(100-[30])/87