

LSU Northeast Research Station

EVALUATION OF FOMESAFEN AND S-METOLACHLOR PRE-MIX FOR PREEMERGENCE WEED CONTROL IN SOYBEAN

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

SITE AND DESIGN

Plot Width, Unit: 6.67 FT Plot Length, Unit: 25 FT Reps: 4
 Site Type: _____
 Tillage Type: _____ Study Design: FACTORIAL

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

APPLICATION DESCRIPTION

	A
Application Date:	
Time of Day:	
Application Method:	
Application Timing:	
Applic. Placement:	
Air Temp., Unit:	
% Relative Humidity:	
Wind Velocity, Unit:	
Dew Presence (Y/N):	
Water Hardness:	
Soil Temp., Unit:	
Soil Moisture:	
% Cloud Cover:	

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	
Stage Scale:	
Density, Unit:	

APPLICATION EQUIPMENT

	A
Appl. Equipment:	
Operating Pressure:	
Nozzle Type:	
Nozzle Size:	
Nozzle Spacing, Unit:	
Nozzles/Row:	
Band Width, Unit:	
Boom Length, Unit:	
Boom Height, Unit:	
Ground Speed, Unit:	
Incorporation Equip.:	
Hours to Incorp.:	
Incorp. Depth, Unit:	
Carrier:	
Spray Volume, Unit:	
Spray pH:	
Propellant:	
Tank Mix (Y/N):	

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Trial ID:

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Location:

Investigator: Donnie Miller

Weed Code		GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Crop Code		CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS
Rating Data Type		CM	CM	CM	CM	CM	CM
Rating Unit		16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005
Rating Date		21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT
Trt-Eval Interval							
ARM Action Codes							
# Subsamples, Dec.							
Trt Treatment	Rate						
No. Name	Rate Unit	1	2	3	4	5	6
TABLE OF R MEANS							
Replicate 1		16	16	15	16	15	15
Replicate 2		14	15	15	15	15	15
Replicate 3		15	15	14	15	15	14
Replicate 4		15	15	14	15	15	15
TABLE OF A MEANS							
1 A14534 @ 0.5	0.5 qt/a	15	15	14	15	15	15
2 A14534 @ 0.75	0.75 qt/a	15	15	15	15	15	15
3 A14534 @ 1.0	1.0 qt/a	15	15	14	15	15	15
TABLE OF B MEANS							
1 NONE		16	16	14	16	15	16
2 CANOPY XL @ 2.0	2.0 oz/a	15	15	15	16	16	15
3 CANOPY XL @ 4.0	4.0 oz/a	15	14	15	14	15	13
4 FIRSTRATE @ 0.3	0.3 oz/a	15	15	14	15	15	14
5 FIRSTRATE @ 0.6	0.6 oz/a	16	16	14	14	15	16
TABLE OF AB MEANS							
1 A14534 @ 0.5	0.5 qt/a	15	15	14	16	15	15
1 NONE							
2 A14534 @ 0.75	0.75 qt/a	16	18	16	17	15	16
1 NONE							
3 A14534 @ 1.0	1.0 qt/a	18	15	13	17	15	15
1 NONE							
1 A14534 @ 0.5	0.5 qt/a	14	14	15	15	16	15
2 CANOPY XL @ 2.0	2.0 oz/a						
2 A14534 @ 0.75	0.75 qt/a	16	16	14	16	15	15
2 CANOPY XL @ 2.0	2.0 oz/a						
3 A14534 @ 1.0	1.0 qt/a	15	16	16	17	16	14
2 CANOPY XL @ 2.0	2.0 oz/a						
1 A14534 @ 0.5	0.5 qt/a	15	15	15	15	14	13
3 CANOPY XL @ 4.0	4.0 oz/a						
2 A14534 @ 0.75	0.75 qt/a	15	13	16	14	15	14
3 CANOPY XL @ 4.0	4.0 oz/a						
3 A14534 @ 1.0	1.0 qt/a	13	15	14	14	15	14
3 CANOPY XL @ 4.0	4.0 oz/a						
1 A14534 @ 0.5	0.5 qt/a	17	15	14	15	15	14
4 FIRSTRATE @ 0.3	0.3 oz/a						
2 A14534 @ 0.75	0.75 qt/a	14	15	14	15	15	13
4 FIRSTRATE @ 0.3	0.3 oz/a						
3 A14534 @ 1.0	1.0 qt/a	15	14	16	15	15	16
4 FIRSTRATE @ 0.3	0.3 oz/a						

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Weed Code			GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Crop Code			CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS
Rating Data Type			CM	CM	CM	CM	CM	CM
Rating Unit			16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005
Rating Date			21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT
Trt-Eval Interval								
ARM Action Codes								
# Subsamples, Dec.								
Trt No.	Treatment Name	Rate Rate Unit	1	2	3	4	5	6
1	A14534 @ 0.5	0.5 qt/a	16	17	14	16	14	17
5	FIRSTRATE @ 0.6	0.6 oz/a						
2	A14534 @ 0.75	0.75 qt/a	16	15	14	13	15	15
5	FIRSTRATE @ 0.6	0.6 oz/a						
3	A14534 @ 1.0	1.0 qt/a	15	15	14	15	17	15
5	FIRSTRATE @ 0.6	0.6 oz/a						

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FACTORIAL/POOLED ERROR AOV For GLXMA CROP HTS CM 16/Jun/2005 21 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	231.733333				
R	3	15.600000	5.200000	1.482	0.2333	1
A	2	0.233333	0.116667	0.033	0.9673	1
B	4	16.400000	4.100000	1.168	0.3385	2
AB	8	52.100000	6.512500	1.856	0.0934	3
ERROR	42	147.400000	3.509524			

FACTORIAL/POOLED ERROR AOV For GLXMA CROP HTS CM 16/Jun/2005 21 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	338.183333				
R	3	16.850000	5.616667	0.950	0.4253	2
A	2	0.933333	0.466667	0.079	0.9243	2
B	4	22.266667	5.566667	0.941	0.4496	2
AB	8	49.733333	6.216667	1.051	0.4147	3
ERROR	42	248.400000	5.914286			

FACTORIAL/POOLED ERROR AOV For GLXMA CROP HTS CM 16/Jun/2005 21 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	321.000000				
R	3	2.333333	0.777778	0.129	0.9426	2
A	2	4.300000	2.150000	0.355	0.7031	2
B	4	9.500000	2.375000	0.392	0.8129	2
AB	8	50.700000	6.337500	1.047	0.4174	4
ERROR	42	254.166667	6.051587			

FACTORIAL/POOLED ERROR AOV For GLXMA CROP HTS CM 16/Jun/2005 21 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	292.183333				
R	3	12.450000	4.150000	0.845	0.4771	2
A	2	0.933333	0.466667	0.095	0.9096	1
B	4	42.766667	10.691667	2.177	0.0881	2
AB	8	29.733333	3.716667	0.757	0.6420	3
ERROR	42	206.300000	4.911905			

FACTORIAL/POOLED ERROR AOV For GLXMA CROP HTS CM 16/Jun/2005 21 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	262.000000				
R	3	2.533333	0.844444	0.156	0.9253	2
A	2	5.200000	2.600000	0.480	0.6221	1
B	4	10.500000	2.625000	0.485	0.7468	2
AB	8	16.300000	2.037500	0.376	0.9273	3
ERROR	42	227.466667	5.415873			

FACTORIAL/POOLED ERROR AOV For GLXMA CROP HTS CM 16/Jun/2005 21 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	276.983333				
R	3	2.850000	0.950000	0.199	0.8964	2
A	2	0.433333	0.216667	0.045	0.9557	1
B	4	41.733333	10.433333	2.187	0.0870	2
AB	8	31.566667	3.945833	0.827	0.5838	3
ERROR	42	200.400000	4.771429			

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Weed Code		GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	ECHCG
Crop Code		CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS	GOSHI
Rating Data Type		CM	CM	CM	CM	CM	CONTROL
Rating Unit		16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005	%
Rating Date		21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	
Trt-Eval Interval		21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	23/Jun/2005
ARM Action Codes							28 DAT
# Subsamples, Dec.						T1	
						1	
Trt Treatment	Rate						
No. Name	Rate Unit	7	8	9	10	11	12
TABLE OF R MEANS							
Replicate 1		15	15	15	15	15.2	91
Replicate 2		16	16	15	15	15.0	91
Replicate 3		15	15	15	15	14.9	91
Replicate 4		14	15	15	15	14.8	93
TABLE OF A MEANS							
1 A14534 @ 0.5	0.5 qt/a	15	16	15	16	15.0	90
2 A14534 @ 0.75	0.75 qt/a	14	15	15	15	14.9	92
3 A14534 @ 1.0	1.0 qt/a	16	15	15	14	15.0	92
TABLE OF B MEANS							
1 NONE		14	16	15	14	15.2	91
2 CANOPY XL @ 2.0	2.0 oz/a	15	16	14	15	15.1	94
3 CANOPY XL @ 4.0	4.0 oz/a	15	14	14	16	14.4	93
4 FIRSTRATE @ 0.3	0.3 oz/a	15	15	15	15	14.8	90
5 FIRSTRATE @ 0.6	0.6 oz/a	16	16	16	15	15.2	89
TABLE OF AB MEANS							
1 A14534 @ 0.5	0.5 qt/a	13	16	16	15	15.0	90
1 NONE							
2 A14534 @ 0.75	0.75 qt/a	16	17	15	15	16.1	91
1 NONE							
3 A14534 @ 1.0	1.0 qt/a	14	14	15	13	14.7	91
1 NONE							
1 A14534 @ 0.5	0.5 qt/a	13	17	13	15	14.6	93
2 CANOPY XL @ 2.0	2.0 oz/a						
2 A14534 @ 0.75	0.75 qt/a	15	13	15	14	14.9	94
2 CANOPY XL @ 2.0	2.0 oz/a						
3 A14534 @ 1.0	1.0 qt/a	17	18	15	15	15.8	95
2 CANOPY XL @ 2.0	2.0 oz/a						
1 A14534 @ 0.5	0.5 qt/a	16	15	15	16	14.7	93
3 CANOPY XL @ 4.0	4.0 oz/a						
2 A14534 @ 0.75	0.75 qt/a	14	15	13	15	14.4	94
3 CANOPY XL @ 4.0	4.0 oz/a						
3 A14534 @ 1.0	1.0 qt/a	14	14	15	16	14.2	94
3 CANOPY XL @ 4.0	4.0 oz/a						
1 A14534 @ 0.5	0.5 qt/a	17	16	15	17	15.3	89
4 FIRSTRATE @ 0.3	0.3 oz/a						
2 A14534 @ 0.75	0.75 qt/a	13	15	15	14	14.3	89
4 FIRSTRATE @ 0.3	0.3 oz/a						
3 A14534 @ 1.0	1.0 qt/a	16	14	16	14	14.9	93
4 FIRSTRATE @ 0.3	0.3 oz/a						
1 A14534 @ 0.5	0.5 qt/a	16	16	16	17	15.6	86
5 FIRSTRATE @ 0.6	0.6 oz/a						
2 A14534 @ 0.75	0.75 qt/a	14	14	17	14	14.7	93
5 FIRSTRATE @ 0.6	0.6 oz/a						

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Weed Code	GLXMA CROP HTS	GLXMA CROP HTS	GLXMA CROP HTS	GLXMA CROP HTS	GLXMA AVG HTS	ECHCG GOSHI CONTROL %			
Crop Code									
Rating Data Type	CM	CM	CM	CM	CM				
Rating Unit	16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005	16/Jun/2005	23/Jun/2005			
Rating Date	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	28 DAT			
Trt-Eval Interval									
ARM Action Codes					T1				
# Subsamples, Dec.					1				
Trt No.	Treatment Name	Rate	Unit	7	8	9	10	11	12
3	A14534 @ 1.0	1.0	qt/a	17	17	15	14	15.5	89
5	FIRSTRATE @ 0.6	0.6	oz/a						

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FACTORIAL/POOLED ERROR AOV For GLXMA CROP HTS CM 16/Jun/2005 21 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	390.583333				
R	3	22.983333	7.661111	1.336	0.2754	2
A	2	16.033333	8.016667	1.398	0.2582	2
B	4	10.166667	2.541667	0.443	0.7765	2
AB	8	100.633333	12.579167	2.194	0.0474	3
ERROR	42	240.766667	5.732540			

FACTORIAL/POOLED ERROR AOV For GLXMA CROP HTS CM 16/Jun/2005 21 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	292.183333				
R	3	3.783333	1.261111	0.302	0.8239	2
A	2	10.033333	5.016667	1.201	0.3111	1
B	4	16.766667	4.191667	1.003	0.4166	2
AB	8	86.133333	10.766667	2.577	0.0219	3
ERROR	42	175.466667	4.177778			

FACTORIAL/POOLED ERROR AOV For GLXMA CROP HTS CM 16/Jun/2005 21 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	354.583333				
R	3	5.383333	1.794444	0.260	0.8535	2
A	2	0.833333	0.416667	0.060	0.9414	2
B	4	26.833333	6.708333	0.974	0.4321	2
AB	8	32.166667	4.020833	0.584	0.7855	4
ERROR	42	289.366667	6.889683			

FACTORIAL/POOLED ERROR AOV For GLXMA CROP HTS CM 16/Jun/2005 21 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	271.650000				
R	3	1.383333	0.461111	0.098	0.9608	2
A	2	28.300000	14.150000	3.004	0.0604	1
B	4	11.900000	2.975000	0.631	0.6428	2
AB	8	32.200000	4.025000	0.854	0.5615	3
ERROR	42	197.866667	4.711111			

FACTORIAL/POOLED ERROR AOV For GLXMA AVG HTS CM 16/Jun/2005 21 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	61.576515				
R	3	0.824500	0.274833	0.268	0.8484	0.7
A	2	0.271000	0.135500	0.132	0.8768	0.6
B	4	5.657338	1.414334	1.377	0.2582	0.8
AB	8	11.685667	1.460708	1.422	0.2157	1.4
ERROR	42	43.138011	1.027095			

FACTORIAL/POOLED ERROR AOV For ECHCG GOSHI CONTROL % 23/Jun/2005						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	1154.583333				
R	3	54.583333	18.194444	1.000	0.4023	3
A	2	60.833333	30.416667	1.672	0.2002	3
B	4	198.333333	49.583333	2.725	0.0419	4
AB	8	76.666667	9.583333	0.527	0.8296	6
ERROR	42	764.166667	18.194444			

Column 11: T1 = @AVG([C1],[C10])

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Weed Code	SORHA	SEBEX	CASOB	IPOLA	IPOHG	DIGSA	
Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit	%	%	%	%	%	%	
Rating Date	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	
Trt-Eval Interval	28 DAT	28 DAT	28 DAT	28 DAT	28 DAT	28 DAT	
ARM Action Codes							
# Subsamples, Dec.							
Trt Treatment							
No. Name	13	14	15	16	17	18	
Rate							
Unit							
TABLE OF R MEANS							
Replicate 1	79	82	70	91	92	94	
Replicate 2	82	77	74	82	89	94	
Replicate 3	83	71	74	80	84	95	
Replicate 4	81	72	75	77	82	95	
TABLE OF A MEANS							
1 AI4534 @ 0.5	0.5 qt/a	73	74	76	84	86	94
2 A14534 @ 0.75	0.75 qt/a	83	74	68	82	86	95
3 A14534 @ 1.0	1.0 qt/a	87	78	76	81	89	95
TABLE OF B MEANS							
1 NONE		83	63	68	62	69	95
2 CANOPY XL @ 2.0	2.0 oz/a	83	84	71	83	88	95
3 CANOPY XL @ 4.0	4.0 oz/a	75	81	73	89	95	95
4 FIRSTRATE @ 0.3	0.3 oz/a	82	73	75	88	90	94
5 FIRSTRATE @ 0.6	0.6 oz/a	83	77	79	90	92	94
TABLE OF AB MEANS							
1 AI4534 @ 0.5	0.5 qt/a	69	61	75	66	66	94
1 NONE							
2 A14534 @ 0.75	0.75 qt/a	91	66	60	60	71	95
1 NONE							
3 A14534 @ 1.0	1.0 qt/a	88	61	68	60	69	95
1 NONE							
1 AI4534 @ 0.5	0.5 qt/a	78	84	81	89	90	94
2 CANOPY XL @ 2.0	2.0 oz/a						
2 A14534 @ 0.75	0.75 qt/a	84	84	61	84	84	95
2 CANOPY XL @ 2.0	2.0 oz/a						
3 A14534 @ 1.0	1.0 qt/a	89	84	71	76	91	95
2 CANOPY XL @ 2.0	2.0 oz/a						
1 AI4534 @ 0.5	0.5 qt/a	66	76	70	91	95	95
3 CANOPY XL @ 4.0	4.0 oz/a						
2 A14534 @ 0.75	0.75 qt/a	75	76	66	89	94	95
3 CANOPY XL @ 4.0	4.0 oz/a						
3 A14534 @ 1.0	1.0 qt/a	84	91	84	88	95	95
3 CANOPY XL @ 4.0	4.0 oz/a						
1 AI4534 @ 0.5	0.5 qt/a	78	75	70	86	88	93
4 FIRSTRATE @ 0.3	0.3 oz/a						
2 A14534 @ 0.75	0.75 qt/a	81	65	78	89	89	95
4 FIRSTRATE @ 0.3	0.3 oz/a						
3 A14534 @ 1.0	1.0 qt/a	88	78	79	90	94	95
4 FIRSTRATE @ 0.3	0.3 oz/a						
1 AI4534 @ 0.5	0.5 qt/a	75	75	85	88	90	93
5 FIRSTRATE @ 0.6	0.6 oz/a						
2 A14534 @ 0.75	0.75 qt/a	85	80	73	89	91	95
5 FIRSTRATE @ 0.6	0.6 oz/a						

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Weed Code		SORHA	SEBEX	CASOB	IPOLA	IPOHG	DIGSA
Crop Code		GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Rating Data Type		CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit		%	%	%	%	%	%
Rating Date		23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005
Trt-Eval Interval		28 DAT	28 DAT	28 DAT	28 DAT	28 DAT	28 DAT
ARM Action Codes							
# Subsamples, Dec.							
Trt No.	Treatment Name						
	Rate						
	Unit						
		13	14	15	16	17	18
3	A14534 @ 1.0	89	76	80	93	95	95
5	FIRSTRATE @ 0.6						
	1.0 qt/a						
	0.6 oz/a						

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Trial ID:

Study Dir.:

Location:

Investigator: Donnie Miller

FACTORIAL/POOLED ERROR AOV For SORHA GOSHI CONTROL % 23/Jun/2005
28 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	5918.333333				
R	3	135.000000	45.000000	0.737	0.5360	6
A	2	2160.833333	1080.416667	17.691	0.0001	5
B	4	580.833333	145.208333	2.378	0.0671	6
AB	8	476.666667	59.583333	0.976	0.4680	11
ERROR	42	2565.000000	61.071429			

FACTORIAL/POOLED ERROR AOV For SEBEX GOSHI CONTROL % 23/Jun/2005
28 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	7335.000000				
R	3	1098.333333	366.111111	8.033	0.0002	5
A	2	187.500000	93.750000	2.057	0.1405	4
B	4	3251.666667	812.916667	17.837	0.0001	6
AB	8	883.333333	110.416667	2.423	0.0299	10
ERROR	42	1914.166667	45.575397			

FACTORIAL/POOLED ERROR AOV For CASOB GOSHI CONTROL % 23/Jun/2005
28 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	5533.333333				
R	3	223.333333	74.444444	1.592	0.2056	5
A	2	1020.833333	510.416667	10.914	0.0002	4
B	4	920.833333	230.208333	4.923	0.0024	6
AB	8	1404.166667	175.520833	3.753	0.0021	10
ERROR	42	1964.166667	46.765873			

FACTORIAL/POOLED ERROR AOV For IPOLA GOSHI CONTROL % 23/Jun/2005
28 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	16424.583333				
R	3	1504.583333	501.527778	2.687	0.0586	10
A	2	80.833333	40.416667	0.217	0.8062	9
B	4	6547.500000	1636.875000	8.770	0.0001	11
AB	8	452.500000	56.562500	0.303	0.9607	20
ERROR	42	7839.166667	186.646825			

FACTORIAL/POOLED ERROR AOV For IPOHG GOSHI CONTROL % 23/Jun/2005
28 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	9291.250000				
R	3	1097.916667	365.972222	5.598	0.0025	6
A	2	120.000000	60.000000	0.918	0.4073	5
B	4	5122.500000	1280.625000	19.588	0.0001	7
AB	8	205.000000	25.625000	0.392	0.9188	12
ERROR	42	2745.833333	65.376984			

FACTORIAL/POOLED ERROR AOV For DIGSA GOSHI CONTROL % 23/Jun/2005
28 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	235.000000				
R	3	8.333333	2.777778	0.651	0.5867	2
A	2	30.000000	15.000000	3.516	0.0387	1
B	4	5.833333	1.458333	0.342	0.8481	2
AB	8	11.666667	1.458333	0.342	0.9443	3
ERROR	42	179.166667	4.265873			

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Weed Code		AMARE	CYPES				
Crop Code		GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Rating Data Type		CONTROL	CONTROL	CROP HTS	CROP HTS	CROP HTS	CROP HTS
Rating Unit		%	%	CM	CM	CM	CM
Rating Date		23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005
Trt-Eval Interval		28 DAT	28 DAT	28 DAT	28 DAT	28 DAT	28 DAT
ARM Action Codes							
# Subsamples, Dec.							
Trt Treatment	Rate						
No. Name	Rate Unit	19	20	21	22	23	24
TABLE OF R MEANS							
Replicate 1		95	90	24	24	23	23
Replicate 2		95	85	23	23	23	23
Replicate 3		95	81	23	23	22	23
Replicate 4		95	85	21	24	22	22
TABLE OF A MEANS							
1 A14534 @ 0.5	0.5 qt/a	95	79	22	24	22	22
2 A14534 @ 0.75	0.75 qt/a	95	89	24	23	23	23
3 A14534 @ 1.0	1.0 qt/a	95	88	22	23	23	23
TABLE OF B MEANS							
1 NONE		95	78	21	23	22	23
2 CANOPY XL @ 2.0	2.0 oz/a	95	86	23	24	22	23
3 CANOPY XL @ 4.0	4.0 oz/a	95	86	23	24	23	24
4 FIRSTRATE @ 0.3	0.3 oz/a	95	88	24	22	23	22
5 FIRSTRATE @ 0.6	0.6 oz/a	95	88	23	25	23	23
TABLE OF AB MEANS							
1 A14534 @ 0.5	0.5 qt/a	95	71	20	23	21	23
1 NONE							
2 A14534 @ 0.75	0.75 qt/a	95	85	23	22	23	25
1 NONE							
3 A14534 @ 1.0	1.0 qt/a	95	79	22	24	22	21
1 NONE							
1 A14534 @ 0.5	0.5 qt/a	95	79	22	23	20	22
2 CANOPY XL @ 2.0	2.0 oz/a						
2 A14534 @ 0.75	0.75 qt/a	95	86	24	25	23	22
2 CANOPY XL @ 2.0	2.0 oz/a						
3 A14534 @ 1.0	1.0 qt/a	95	93	24	24	24	25
2 CANOPY XL @ 2.0	2.0 oz/a						
1 A14534 @ 0.5	0.5 qt/a	95	78	20	24	22	24
3 CANOPY XL @ 4.0	4.0 oz/a						
2 A14534 @ 0.75	0.75 qt/a	95	89	27	23	25	24
3 CANOPY XL @ 4.0	4.0 oz/a						
3 A14534 @ 1.0	1.0 qt/a	95	91	22	24	23	23
3 CANOPY XL @ 4.0	4.0 oz/a						
1 A14534 @ 0.5	0.5 qt/a	95	83	22	22	23	22
4 FIRSTRATE @ 0.3	0.3 oz/a						
2 A14534 @ 0.75	0.75 qt/a	95	93	25	23	22	23
4 FIRSTRATE @ 0.3	0.3 oz/a						
3 A14534 @ 1.0	1.0 qt/a	95	89	25	22	24	23
4 FIRSTRATE @ 0.3	0.3 oz/a						
1 A14534 @ 0.5	0.5 qt/a	95	84	24	27	23	22
5 FIRSTRATE @ 0.6	0.6 oz/a						
2 A14534 @ 0.75	0.75 qt/a	95	91	24	24	25	24
5 FIRSTRATE @ 0.6	0.6 oz/a						

LSU Northeast Research Station

Trial ID:

Study Dir.:

Location:

Investigator: Donnie Miller

FACTORIAL/POOLED ERROR AOV For AMARE GOSHI CONTROL % 23/Jun/2005
28 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	0.000000				
R	3	0.000000	0.000000	0.000	0.0000	0
A	2	0.000000	0.000000	0.000	0.0000	0
B	4	0.000000	0.000000	0.000	0.0000	0
AB	8	0.000000	0.000000	0.000	0.0000	0
ERROR	42	0.000000	0.000000			

FACTORIAL/POOLED ERROR AOV For CYPES GOSHI CONTROL % 23/Jun/2005 28
DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	5724.583333				
R	3	657.916667	219.305556	3.248	0.0311	6
A	2	1213.333333	606.666667	8.985	0.0006	5
B	4	726.666667	181.666667	2.691	0.0439	7
AB	8	290.833333	36.354167	0.538	0.8208	12
ERROR	42	2835.833333	67.519841			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 23/Jun/2005 28 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	852.183333				
R	3	84.450000	28.150000	2.246	0.0969	3
A	2	91.433333	45.716667	3.648	0.0346	2
B	4	47.933333	11.983333	0.956	0.4414	3
AB	8	102.066667	12.758333	1.018	0.4375	5
ERROR	42	526.300000	12.530952			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 23/Jun/2005 28 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	544.733333				
R	3	5.933333	1.977778	0.184	0.9067	2
A	2	1.433333	0.716667	0.067	0.9356	2
B	4	40.066667	10.016667	0.932	0.4549	3
AB	8	45.733333	5.716667	0.532	0.8259	5
ERROR	42	451.566667	10.751587			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 23/Jun/2005 28 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	606.850000				
R	3	24.850000	8.283333	0.766	0.5197	2
A	2	30.100000	15.050000	1.391	0.2600	2
B	4	21.266667	5.316667	0.491	0.7420	3
AB	8	76.233333	9.529167	0.881	0.5405	5
ERROR	42	454.400000	10.819048			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 23/Jun/2005 28 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	584.983333				
R	3	8.183333	2.727778	0.230	0.8748	3
A	2	9.733333	4.866667	0.411	0.6658	2
B	4	10.566667	2.641667	0.223	0.9241	3
AB	8	58.933333	7.366667	0.622	0.7546	5
ERROR	42	497.566667	11.846825			

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Weed Code		GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Crop Code		CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS
Rating Data Type		CM	CM	CM	CM	CM	CM
Rating Unit		23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005
Rating Date		28 DAT	28 DAT	28 DAT	28 DAT	28 DAT	28 DAT
Trt-Eval Interval							
ARM Action Codes							
# Subsamples, Dec.							
Trt Treatment	Rate						
No. Name	Rate Unit	25	26	27	28	29	30
TABLE OF R MEANS							
Replicate 1		22	24	22	23	24	23
Replicate 2		24	37	24	25	23	25
Replicate 3		23	22	21	22	23	24
Replicate 4		23	24	24	22	22	23
TABLE OF A MEANS							
1 AI4534 @ 0.5	0.5 qt/a	24	23	23	23	23	24
2 AI4534 @ 0.75	0.75 qt/a	22	33	22	23	23	24
3 AI4534 @ 1.0	1.0 qt/a	23	23	23	23	23	24
TABLE OF B MEANS							
1 NONE		23	39	22	22	23	24
2 CANOPY XL @ 2.0	2.0 oz/a	23	24	23	23	25	25
3 CANOPY XL @ 4.0	4.0 oz/a	22	22	23	22	22	22
4 FIRSTRATE @ 0.3	0.3 oz/a	23	23	22	23	23	24
5 FIRSTRATE @ 0.6	0.6 oz/a	25	25	24	24	23	25
TABLE OF AB MEANS							
1 AI4534 @ 0.5	0.5 qt/a	24	21	23	23	21	24
1 NONE							
2 AI4534 @ 0.75	0.75 qt/a	23	72	21	22	24	24
1 NONE							
3 AI4534 @ 1.0	1.0 qt/a	23	23	22	22	23	24
1 NONE							
1 AI4534 @ 0.5	0.5 qt/a	22	25	25	23	27	26
2 CANOPY XL @ 2.0	2.0 oz/a						
2 AI4534 @ 0.75	0.75 qt/a	21	23	24	23	24	25
2 CANOPY XL @ 2.0	2.0 oz/a						
3 AI4534 @ 1.0	1.0 qt/a	26	24	22	23	23	25
2 CANOPY XL @ 2.0	2.0 oz/a						
1 AI4534 @ 0.5	0.5 qt/a	24	25	23	24	22	21
3 CANOPY XL @ 4.0	4.0 oz/a						
2 AI4534 @ 0.75	0.75 qt/a	22	23	21	23	23	23
3 CANOPY XL @ 4.0	4.0 oz/a						
3 AI4534 @ 1.0	1.0 qt/a	20	18	23	21	22	23
3 CANOPY XL @ 4.0	4.0 oz/a						
1 AI4534 @ 0.5	0.5 qt/a	25	24	23	22	24	24
4 FIRSTRATE @ 0.3	0.3 oz/a						
2 AI4534 @ 0.75	0.75 qt/a	21	21	21	23	21	25
4 FIRSTRATE @ 0.3	0.3 oz/a						
3 AI4534 @ 1.0	1.0 qt/a	22	25	23	25	23	24
4 FIRSTRATE @ 0.3	0.3 oz/a						
1 AI4534 @ 0.5	0.5 qt/a	25	23	23	25	22	25
5 FIRSTRATE @ 0.6	0.6 oz/a						
2 AI4534 @ 0.75	0.75 qt/a	24	24	24	23	22	25
5 FIRSTRATE @ 0.6	0.6 oz/a						

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Weed Code						
Crop Code						
Rating Data Type	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Rating Unit	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS
Rating Date	CM	CM	CM	CM	CM	CM
Trt-Eval Interval	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005	23/Jun/2005
ARM Action Codes	28 DAT	28 DAT	28 DAT	28 DAT	28 DAT	28 DAT
# Subsamples, Dec.						
Trt No.						
Treatment Name						
Rate						
Unit						
	25	26	27	28	29	30
3 A14534 @ 1.0	1.0 qt/a					
5 FIRSTRATE @ 0.6	0.6 oz/a	24	27	25	24	25
						24

LSU Northeast Research Station

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

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 23/Jun/2005 28 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	781.650000				
R	3	19.250000	6.416667	0.450	0.7187	3
A	2	34.300000	17.150000	1.203	0.3106	2
B	4	37.400000	9.350000	0.656	0.6262	3
AB	8	91.700000	11.462500	0.804	0.6029	5
ERROR	42	599.000000	14.261905			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 23/Jun/2005 28 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	40436.733333				
R	3	2141.133333	713.711111	1.031	0.3885	19
A	2	1122.433333	561.216667	0.811	0.4513	17
B	4	2316.900000	579.225000	0.837	0.5095	22
AB	8	5789.900000	723.737500	1.046	0.4184	38
ERROR	42	29066.366667	692.056349			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 23/Jun/2005 28 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	638.733333				
R	3	86.733333	28.911111	2.588	0.0656	2
A	2	14.933333	7.466667	0.668	0.5180	2
B	4	29.566667	7.391667	0.662	0.6222	3
AB	8	38.233333	4.779167	0.428	0.8977	5
ERROR	42	469.266667	11.173016			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 23/Jun/2005 28 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	576.333333				
R	3	74.333333	24.777778	2.416	0.0798	2
A	2	4.133333	2.066667	0.202	0.8183	2
B	4	20.166667	5.041667	0.492	0.7418	3
AB	8	47.033333	5.879167	0.573	0.7937	5
ERROR	42	430.666667	10.253968			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 23/Jun/2005 28 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	592.983333				
R	3	19.516667	6.505556	0.641	0.5929	2
A	2	3.433333	1.716667	0.169	0.8449	2
B	4	38.066667	9.516667	0.938	0.4515	3
AB	8	105.733333	13.216667	1.302	0.2688	5
ERROR	42	426.233333	10.148413			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 23/Jun/2005 28 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	670.850000				
R	3	27.383333	9.127778	0.668	0.5764	3
A	2	4.900000	2.450000	0.179	0.8365	2
B	4	55.100000	13.775000	1.008	0.4141	3
AB	8	9.600000	1.200000	0.088	0.9994	5
ERROR	42	573.866667	13.663492			

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Weed Code		ECHCG	SORHA	SEBEX	CASOB	IPOLA	
Crop Code		GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	
Rating Data Type	AVG HTS	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit	CM	%	%	%	%	%	
Rating Date	23/Jun/2005	19/Jul/2005	19/Jul/2005	19/Jul/2005	19/Jul/2005	19/Jul/2005	
Trt-Eval Interval		54 DAT	54 DAT	54 DAT	54 DAT	54 DAT	
ARM Action Codes	T2						
# Subsamples, Dec.	1						
Trt Treatment	Rate						
No. Name	Rate Unit	31	32	33	34	35	
						36	
TABLE OF R MEANS							
Replicate 1		23.1	88	63	78	53	88
Replicate 2		25.0	90	75	65	61	81
Replicate 3		22.7	89	74	57	56	79
Replicate 4		22.7	92	68	57	55	72
TABLE OF A MEANS							
1 AI4534 @ 0.5	0.5 qt/a	23.0	88	64	61	55	84
2 A14534 @ 0.75	0.75 qt/a	24.1	92	71	66	54	81
3 A14534 @ 1.0	1.0 qt/a	23.1	89	76	66	61	75
TABLE OF B MEANS							
1 NONE		24.1	90	83	54	55	58
2 CANOPY XL @ 2.0	2.0 oz/a	23.5	92	73	76	53	83
3 CANOPY XL @ 4.0	4.0 oz/a	22.7	90	60	70	56	88
4 FIRSTRATE @ 0.3	0.3 oz/a	22.9	88	69	57	56	85
5 FIRSTRATE @ 0.6	0.6 oz/a	23.8	89	65	64	62	86
TABLE OF AB MEANS							
1 AI4534 @ 0.5	0.5 qt/a	22.1	86	73	54	58	63
1 NONE							
2 A14534 @ 0.75	0.75 qt/a	27.8	91	88	60	58	60
1 NONE							
3 A14534 @ 1.0	1.0 qt/a	22.4	91	90	49	50	53
1 NONE							
1 AI4534 @ 0.5	0.5 qt/a	23.4	89	68	68	55	88
2 CANOPY XL @ 2.0	2.0 oz/a						
2 A14534 @ 0.75	0.75 qt/a	23.2	95	75	81	50	86
2 CANOPY XL @ 2.0	2.0 oz/a						
3 A14534 @ 1.0	1.0 qt/a	23.8	93	76	80	54	75
2 CANOPY XL @ 2.0	2.0 oz/a						
1 AI4534 @ 0.5	0.5 qt/a	22.7	91	64	59	51	94
3 CANOPY XL @ 4.0	4.0 oz/a						
2 A14534 @ 0.75	0.75 qt/a	23.5	91	56	71	50	89
3 CANOPY XL @ 4.0	4.0 oz/a						
3 A14534 @ 1.0	1.0 qt/a	21.9	86	61	79	66	81
3 CANOPY XL @ 4.0	4.0 oz/a						
1 AI4534 @ 0.5	0.5 qt/a	23.0	85	56	63	53	89
4 FIRSTRATE @ 0.3	0.3 oz/a						
2 A14534 @ 0.75	0.75 qt/a	22.2	93	76	46	53	84
4 FIRSTRATE @ 0.3	0.3 oz/a						
3 A14534 @ 1.0	1.0 qt/a	23.6	88	74	61	64	83
4 FIRSTRATE @ 0.3	0.3 oz/a						
1 AI4534 @ 0.5	0.5 qt/a	23.9	90	60	60	59	88
5 FIRSTRATE @ 0.6	0.6 oz/a						
2 A14534 @ 0.75	0.75 qt/a	23.8	90	59	70	58	85
5 FIRSTRATE @ 0.6	0.6 oz/a						

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Weed Code		ECHCG	SORHA	SEBEX	CASOB	IPOLA
Crop Code		GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Rating Data Type	AVG HTS	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	CM	%	%	%	%	%
Rating Date	23/Jun/2005	19/Jul/2005	19/Jul/2005	19/Jul/2005	19/Jul/2005	19/Jul/2005
Trt-Eval Interval		54 DAT	54 DAT	54 DAT	54 DAT	54 DAT
ARM Action Codes	T2					
# Subsamples, Dec.	1					
Trt Treatment	Rate					
No. Name	Rate Unit	31	32	33	34	35
3 A14534 @ 1.0	1.0 qt/a	23.7	86	78	63	69
5 FIRSTRATE @ 0.6	0.6 oz/a					85

LSU Northeast Research Station

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

FACTORIAL/POOLED ERROR AOV For AVG HTS CM 23/Jun/2005 T2 1						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	615.254064				
R	3	53.707340	17.902447	1.665	0.1891	2.4
A	2	15.139016	7.569508	0.704	0.5004	2.1
B	4	16.152326	4.038082	0.375	0.8248	2.7
AB	8	78.552696	9.819087	0.913	0.5152	4.7
ERROR	42	451.702685	10.754826			

FACTORIAL/POOLED ERROR AOV For ECHCG GOSHI CONTROL % 19/Jul/2005 54 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	1593.333333				
R	3	93.333333	31.111111	1.267	0.2981	4
A	2	165.833333	82.916667	3.376	0.0437	3
B	4	101.666667	25.416667	1.035	0.4007	4
AB	8	200.833333	25.104167	1.022	0.4348	7
ERROR	42	1031.666667	24.563492			

FACTORIAL/POOLED ERROR AOV For SORHA GOSHI CONTROL % 19/Jul/2005 54 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	17998.333333				
R	3	1501.666667	500.555556	2.092	0.1157	11
A	2	1390.833333	695.416667	2.907	0.0657	10
B	4	3606.666667	901.666667	3.769	0.0104	13
AB	8	1450.833333	181.354167	0.758	0.6408	22
ERROR	42	10048.333333	239.246032			

FACTORIAL/POOLED ERROR AOV For SEBEX GOSHI CONTROL % 19/Jul/2005 54 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	22808.333333				
R	3	4368.333333	1456.111111	5.072	0.0044	13
A	2	405.833333	202.916667	0.707	0.4990	11
B	4	3979.166667	994.791667	3.465	0.0156	14
AB	8	1998.333333	249.791667	0.870	0.5489	24
ERROR	42	12056.666667	287.063492			

FACTORIAL/POOLED ERROR AOV For CASOB GOSHI CONTROL % 19/Jul/2005 54 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	6943.333333				
R	3	510.000000	170.000000	1.613	0.2008	8
A	2	543.333333	271.666667	2.577	0.0880	7
B	4	505.833333	126.458333	1.200	0.3252	8
AB	8	956.666667	119.583333	1.134	0.3609	15
ERROR	42	4427.500000	105.416667			

FACTORIAL/POOLED ERROR AOV For IPOLA GOSHI CONTROL % 19/Jul/2005 54 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	15200.000000				
R	3	2023.333333	674.444444	5.706	0.0023	8
A	2	782.500000	391.250000	3.310	0.0462	7
B	4	7195.833333	1798.958333	15.220	0.0001	9
AB	8	234.166667	29.270833	0.248	0.9788	16
ERROR	42	4964.166667	118.194444			

Column 31: T2 = @AVG([C21].[C30])

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Weed Code		IPOHG	AMARE	GOSHI	GOSHI	GOSHI	GOSHI
Crop Code		GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Rating Data Type		CONTROL	CONTROL	CROP HTS	CROP HTS	CROP HTS	CROP HTS
Rating Unit		%	%	CM	CM	CM	CM
Rating Date		19/Jul/2005	19/Jul/2005	25/Jul/2005	25/Jul/2005	25/Jul/2005	25/Jul/2005
Trt-Eval Interval		54 DAT	54 DAT	60 DAT	60 DAT	60 DAT	60 DAT
ARM Action Codes							
# Subsamples, Dec.							
Trt Treatment	Rate						
No. Name	Rate Unit	37	38	39	40	41	42
TABLE OF R MEANS							
Replicate 1		87	95	87	95	92	95
Replicate 2		83	95	79	85	82	91
Replicate 3		79	95	84	88	86	87
Replicate 4		75	95	77	83	81	83
TABLE OF A MEANS							
1 A14534 @ 0.5	0.5 qt/a	84	95	82	89	86	90
2 A14534 @ 0.75	0.75 qt/a	83	95	81	87	85	89
3 A14534 @ 1.0	1.0 qt/a	76	95	82	87	85	88
TABLE OF B MEANS							
1 NONE		64	95	77	88	79	86
2 CANOPY XL @ 2.0	2.0 oz/a	85	95	83	86	83	85
3 CANOPY XL @ 4.0	4.0 oz/a	88	95	78	83	84	90
4 FIRSTRATE @ 0.3	0.3 oz/a	84	95	84	92	89	90
5 FIRSTRATE @ 0.6	0.6 oz/a	85	95	86	90	91	95
TABLE OF AB MEANS							
1 A14534 @ 0.5	0.5 qt/a	65	95	73	86	77	90
1 NONE							
2 A14534 @ 0.75	0.75 qt/a	76	95	86	90	80	86
1 NONE							
3 A14534 @ 1.0	1.0 qt/a	50	95	73	89	81	81
1 NONE							
1 A14534 @ 0.5	0.5 qt/a	88	95	79	81	77	84
2 CANOPY XL @ 2.0	2.0 oz/a						
2 A14534 @ 0.75	0.75 qt/a	83	95	81	91	85	87
2 CANOPY XL @ 2.0	2.0 oz/a						
3 A14534 @ 1.0	1.0 qt/a	84	95	91	85	87	83
2 CANOPY XL @ 2.0	2.0 oz/a						
1 A14534 @ 0.5	0.5 qt/a	94	95	83	93	89	87
3 CANOPY XL @ 4.0	4.0 oz/a						
2 A14534 @ 0.75	0.75 qt/a	89	95	70	80	80	92
3 CANOPY XL @ 4.0	4.0 oz/a						
3 A14534 @ 1.0	1.0 qt/a	80	95	79	76	84	91
3 CANOPY XL @ 4.0	4.0 oz/a						
1 A14534 @ 0.5	0.5 qt/a	84	95	90	90	96	92
4 FIRSTRATE @ 0.3	0.3 oz/a						
2 A14534 @ 0.75	0.75 qt/a	84	95	84	92	90	88
4 FIRSTRATE @ 0.3	0.3 oz/a						
3 A14534 @ 1.0	1.0 qt/a	85	95	78	93	81	89
4 FIRSTRATE @ 0.3	0.3 oz/a						
1 A14534 @ 0.5	0.5 qt/a	91	94	85	95	90	96
5 FIRSTRATE @ 0.6	0.6 oz/a						
2 A14534 @ 0.75	0.75 qt/a	81	95	85	83	90	92
5 FIRSTRATE @ 0.6	0.6 oz/a						

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Trial ID:

Study Dir.:

Location:

Investigator: Donnie Miller

FACTORIAL/POOLED ERROR AOV For IPOHG GOSHI CONTROL % 19/Jul/2005 54 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	11740.000000				
R	3	1243.333333	414.444444	4.484	0.0081	7
A	2	707.500000	353.750000	3.828	0.0297	6
B	4	4544.166667	1136.041667	12.292	0.0001	8
AB	8	1363.333333	170.416667	1.844	0.0956	14
ERROR	42	3881.666667	92.420635			

FACTORIAL/POOLED ERROR AOV For AMARE GOSHI CONTROL % 19/Jul/2005 54 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	24.583333				
R	3	1.250000	0.416667	1.000	0.4023	0
A	2	0.833333	0.416667	1.000	0.3765	0
B	4	1.666667	0.416667	1.000	0.4183	1
AB	8	3.333333	0.416667	1.000	0.4504	1
ERROR	42	17.500000	0.416667			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 25/Jul/2005 60 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	8136.583333				
R	3	881.116667	293.705556	2.426	0.0789	8
A	2	9.033333	4.516667	0.037	0.9634	7
B	4	708.833333	177.208333	1.464	0.2304	9
AB	8	1452.466667	181.558333	1.500	0.1865	16
ERROR	42	5085.133333	121.074603			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 25/Jul/2005 60 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	10253.933333				
R	3	1212.600000	404.200000	2.335	0.0876	10
A	2	52.633333	26.316667	0.152	0.8595	8
B	4	587.433333	146.858333	0.848	0.5027	11
AB	8	1129.866667	141.233333	0.816	0.5929	19
ERROR	42	7271.400000	173.128571			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 25/Jul/2005 60 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	8559.733333				
R	3	1111.333333	370.444444	2.924	0.0448	8
A	2	7.233333	3.616667	0.029	0.9719	7
B	4	1149.233333	287.308333	2.268	0.0778	9
AB	8	971.766667	121.470833	0.959	0.4804	16
ERROR	42	5320.166667	126.670635			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 25/Jul/2005 60 DAT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	8136.983333				
R	3	1329.383333	443.127778	3.324	0.0286	9
A	2	27.233333	13.616667	0.102	0.9031	7
B	4	815.566667	203.891667	1.529	0.2112	10
AB	8	364.933333	45.616667	0.342	0.9442	17
ERROR	42	5599.866667	133.330159			

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Weed Code		GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Crop Code		CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS
Rating Data Type		CM	CM	CM	CM	CM	CM
Rating Unit		CM	CM	CM	CM	CM	CM
Rating Date		25/Jul/2005	25/Jul/2005	25/Jul/2005	25/Jul/2005	25/Jul/2005	25/Jul/2005
Trt-Eval Interval		60 DAT	60 DAT	60 DAT	60 DAT	60 DAT	60 DAT
ARM Action Codes							
# Subsamples, Dec.							
Trt Treatment	Rate						
No. Name	Rate Unit	43	44	45	46	47	48
TABLE OF R MEANS							
Replicate 1		97	91	94	91	92	92
Replicate 2		87	90	89	87	83	89
Replicate 3		85	84	86	83	86	72
Replicate 4		85	79	84	80	80	80
TABLE OF A MEANS							
1 A14534 @ 0.5	0.5 qt/a	87	86	87	85	84	84
2 A14534 @ 0.75	0.75 qt/a	89	84	87	88	85	84
3 A14534 @ 1.0	1.0 qt/a	89	88	91	83	88	83
TABLE OF B MEANS							
1 NONE		85	82	90	76	83	76
2 CANOPY XL @ 2.0	2.0 oz/a	84	83	88	89	84	86
3 CANOPY XL @ 4.0	4.0 oz/a	87	79	85	79	83	82
4 FIRSTRATE @ 0.3	0.3 oz/a	94	92	87	89	89	86
5 FIRSTRATE @ 0.6	0.6 oz/a	94	95	91	93	88	88
TABLE OF AB MEANS							
1 A14534 @ 0.5	0.5 qt/a	87	77	79	71	73	66
1 NONE							
2 A14534 @ 0.75	0.75 qt/a	87	84	91	85	84	82
1 NONE							
3 A14534 @ 1.0	1.0 qt/a	82	86	100	74	92	81
1 NONE							
1 A14534 @ 0.5	0.5 qt/a	82	82	85	92	78	86
2 CANOPY XL @ 2.0	2.0 oz/a						
2 A14534 @ 0.75	0.75 qt/a	90	84	86	86	80	90
2 CANOPY XL @ 2.0	2.0 oz/a						
3 A14534 @ 1.0	1.0 qt/a	80	85	94	89	93	82
2 CANOPY XL @ 2.0	2.0 oz/a						
1 A14534 @ 0.5	0.5 qt/a	90	81	85	79	81	85
3 CANOPY XL @ 4.0	4.0 oz/a						
2 A14534 @ 0.75	0.75 qt/a	80	74	83	83	85	80
3 CANOPY XL @ 4.0	4.0 oz/a						
3 A14534 @ 1.0	1.0 qt/a	91	81	87	76	83	80
3 CANOPY XL @ 4.0	4.0 oz/a						
1 A14534 @ 0.5	0.5 qt/a	95	94	97	98	97	96
4 FIRSTRATE @ 0.3	0.3 oz/a						
2 A14534 @ 0.75	0.75 qt/a	94	89	83	93	89	80
4 FIRSTRATE @ 0.3	0.3 oz/a						
3 A14534 @ 1.0	1.0 qt/a	93	93	80	76	82	82
4 FIRSTRATE @ 0.3	0.3 oz/a						
1 A14534 @ 0.5	0.5 qt/a	84	98	88	86	89	88
5 FIRSTRATE @ 0.6	0.6 oz/a						
2 A14534 @ 0.75	0.75 qt/a	97	90	91	96	88	87
5 FIRSTRATE @ 0.6	0.6 oz/a						

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Weed Code						
Crop Code						
Rating Data Type	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Rating Unit	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS	CROP HTS
Rating Date	CM	CM	CM	CM	CM	CM
Trt-Eval Interval	25/Jul/2005	25/Jul/2005	25/Jul/2005	25/Jul/2005	25/Jul/2005	25/Jul/2005
ARM Action Codes	60 DAT	60 DAT	60 DAT	60 DAT	60 DAT	60 DAT
# Subsamples, Dec.						
Trt No.	Treatment	Rate	Unit			
3	A14534 @ 1.0	1.0	qt/a	43	44	45
5	FIRSTRATE @ 0.6	0.6	oz/a	46	47	48
				101	97	94
						98
						89
						89

LSU Northeast Research Station

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

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 25/Jul/2005 60 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	8829.650000				
R	3	1459.783333	486.594444	4.033	0.0131	8
A	2	50.800000	25.400000	0.211	0.8110	7
B	4	1080.566667	270.141667	2.239	0.0810	9
AB	8	1171.533333	146.441667	1.214	0.3146	16
ERROR	42	5066.966667	120.642063			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 25/Jul/2005 60 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	10797.733333				
R	3	1439.333333	479.777778	3.051	0.0388	9
A	2	184.933333	92.466667	0.588	0.5599	8
B	4	2248.233333	562.058333	3.574	0.0135	10
AB	8	320.566667	40.070833	0.255	0.9768	18
ERROR	42	6604.666667	157.253968			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 25/Jul/2005 60 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	10273.600000				
R	3	827.333333	275.777778	1.589	0.2063	10
A	2	261.100000	130.550000	0.752	0.4776	8
B	4	314.266667	78.566667	0.453	0.7698	11
AB	8	1581.733333	197.716667	1.139	0.3580	19
ERROR	42	7289.166667	173.551587			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 25/Jul/2005 60 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	12227.650000				
R	3	964.050000	321.350000	1.958	0.1350	9
A	2	342.900000	171.450000	1.044	0.3608	8
B	4	2467.566667	616.891667	3.758	0.0106	11
AB	8	1558.933333	194.866667	1.187	0.3297	18
ERROR	42	6894.200000	164.147619			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 25/Jul/2005 60 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	7531.933333				
R	3	1205.933333	401.977778	4.047	0.0129	7
A	2	172.133333	86.066667	0.866	0.4278	6
B	4	454.100000	113.525000	1.143	0.3497	8
AB	8	1527.700000	190.962500	1.922	0.0818	14
ERROR	42	4172.066667	99.334921			

FACTORIAL/POOLED ERROR AOV For GOSHI CROP HTS CM 25/Jul/2005 60 DAT						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	12974.850000				
R	3	3548.983333	1182.994444	7.133	0.0006	10
A	2	16.300000	8.150000	0.049	0.9521	8
B	4	1010.100000	252.525000	1.523	0.2130	11
AB	8	1433.700000	179.212500	1.081	0.3951	18
ERROR	42	6965.766667	165.851587			

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Weed Code			GLXMA	GLXMA	GLXMA
Crop Code			YIELD	MOISTURE	YIELD
Rating Data Type	AVG HTS		LBS	%	BU/A
Rating Unit	CM				
Rating Date	25/Jul/2005	13/Oct/2005	13/Oct/2005	13/Oct/2005	
Trt-Eval Interval					
ARM Action Codes	T3				TY5
# Subsamples, Dec.	1				1
Trt Treatment	Rate				
No. Name	Rate Unit	49	50	51	52
TABLE OF R MEANS					
Replicate 1		92.6	5	20	20.0
Replicate 2		86.3	4	17	16.4
Replicate 3		84.0	4	13	16.7
Replicate 4		81.3	4	14	15.5
TABLE OF A MEANS					
1 A14534 @ 0.5	0.5 qt/a	86.0	4	19	15.2
2 A14534 @ 0.75	0.75 qt/a	85.9	4	15	16.8
3 A14534 @ 1.0	1.0 qt/a	86.3	5	14	19.4
TABLE OF B MEANS					
1 NONE		82.4	3	13	11.9
2 CANOPY XL @ 2.0	2.0 oz/a	84.9	4	20	17.7
3 CANOPY XL @ 4.0	4.0 oz/a	82.9	4	15	17.2
4 FIRSTRATE @ 0.3	0.3 oz/a	89.0	4	17	17.1
5 FIRSTRATE @ 0.6	0.6 oz/a	91.2	5	15	21.9
TABLE OF AB MEANS					
1 A14534 @ 0.5	0.5 qt/a	78.0	2	11	9.9
1 NONE					
2 A14534 @ 0.75	0.75 qt/a	85.4	3	13	15.0
1 NONE					
3 A14534 @ 1.0	1.0 qt/a	83.7	3	13	10.8
1 NONE					
1 A14534 @ 0.5	0.5 qt/a	82.3	4	29	12.7
2 CANOPY XL @ 2.0	2.0 oz/a				
2 A14534 @ 0.75	0.75 qt/a	85.7	4	16	18.0
2 CANOPY XL @ 2.0	2.0 oz/a				
3 A14534 @ 1.0	1.0 qt/a	86.8	5	14	22.4
2 CANOPY XL @ 2.0	2.0 oz/a				
1 A14534 @ 0.5	0.5 qt/a	85.2	4	16	14.2
3 CANOPY XL @ 4.0	4.0 oz/a				
2 A14534 @ 0.75	0.75 qt/a	80.5	4	16	17.4
3 CANOPY XL @ 4.0	4.0 oz/a				
3 A14534 @ 1.0	1.0 qt/a	82.9	5	14	19.9
3 CANOPY XL @ 4.0	4.0 oz/a				
1 A14534 @ 0.5	0.5 qt/a	94.4	4	24	16.6
4 FIRSTRATE @ 0.3	0.3 oz/a				
2 A14534 @ 0.75	0.75 qt/a	88.1	3	14	12.3
4 FIRSTRATE @ 0.3	0.3 oz/a				
3 A14534 @ 1.0	1.0 qt/a	84.5	5	14	22.4
4 FIRSTRATE @ 0.3	0.3 oz/a				
1 A14534 @ 0.5	0.5 qt/a	89.9	5	17	22.6
5 FIRSTRATE @ 0.6	0.6 oz/a				
2 A14534 @ 0.75	0.75 qt/a	89.8	5	14	21.5
5 FIRSTRATE @ 0.6	0.6 oz/a				

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Weed Code				
Crop Code				
Rating Data Type	AVG HTS	GLXMA	GLXMA	GLXMA
Rating Unit	CM	YIELD	MOISTURE	YIELD
Rating Date	25/Jul/2005	LBS	%	BU/A
Trt-Eval Interval		13/Oct/2005	13/Oct/2005	13/Oct/2005
ARM Action Codes	T3			TY5
# Subsamples, Dec.	1			1
Trt Treatment				
No. Name	Rate Unit			
		49	50	51
3 A14534 @ 1.0	1.0 qt/a	93.8	5	15
5 FIRSTRATE @ 0.6	0.6 oz/a			52
				21.5

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

FACTORIAL/POOLED ERROR AOV For AVG HTS CM 25/Jul/2005 T3 1						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	4517.649091				
R	3	1047.109747	349.036582	6.376	0.0012	5.5
A	2	2.586958	1.293479	0.024	0.9767	4.7
B	4	717.568315	179.392079	3.277	0.0200	6.1
AB	8	451.251702	56.406463	1.030	0.4290	10.6
ERROR	42	2299.132370	54.741247			

FACTORIAL/POOLED ERROR AOV For GLXMA YIELD LBS 13/Oct/2005						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	142.113690				
R	3	14.940024	4.980008	3.041	0.0393	1
A	2	5.409016	2.704508	1.652	0.2040	1
B	4	35.803442	8.950860	5.466	0.0012	1
AB	8	17.183100	2.147888	1.312	0.2643	2
ERROR	42	68.778107	1.637574			

FACTORIAL/POOLED ERROR AOV For GLXMA MOISTURE % 13/Oct/2005						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	3618.059493				
R	3	423.978317	141.326106	2.858	0.0483	5
A	2	330.229525	165.114763	3.339	0.0451	4
B	4	324.317149	81.079287	1.640	0.1822	6
AB	8	462.537180	57.817147	1.169	0.3401	10
ERROR	42	2076.997322	49.452317			

FACTORIAL/POOLED ERROR AOV For GLXMA YIELD BU/A 13/Oct/2005 TY5 1						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	59	2508.883338				
R	3	170.128623	56.709541	1.969	0.1333	4.0
A	2	179.876490	89.938245	3.122	0.0544	3.4
B	4	606.067033	151.516758	5.260	0.0016	4.4
AB	8	342.883959	42.860495	1.488	0.1907	7.7
ERROR	42	1209.927233	28.807791			

Column 49: T3 = @AVG([C39].[C48])

Column 52: TY5 = 4.353823*[50]*(100-@MVAVGREP([51]))/87