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Fall Burndown Tank-Mix Treatments for Dandelion Control in 2004 Soybean

Trial ID: 03F-WBURN-SOYDAN
Location: Woodburn

Study Dir.:
Investigator: Dr. Bill Johnson

GENERAL TRIAL INFORMATION

Investigator: Dr. Bill Johnson

TRIAL LOCATION

City: Woodburn
State/Prov.: IN
E-Longitude of LL Corner °: 275.112600 N-Latitude of LL Corner °: 41.130890
Altitude of LL Corner: 738.00 Unit: feet
Conducted Under GLP (Y/N): N Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	TAROF	DANDELION, COMMON	TARAXACUM OFFICINALE WEBER IN WIGGERS

Crop 1: ZEAMX CORN, FIELD
Row Spacing: 30 IN

Variety: Harvest Residue

Crop 2: GLXMA SOYBEAN
Planting Date: 6/May/2004
Row Spacing: 15 IN

Planting Method: DRILLED

Emergence Date: 13/May/2004

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 30 FT Reps: 4
Study Design: RANDOMIZED COMPLETE BLOCK

MAINTENANCE

Field Prep./Maintenance:

Blanket treatment of Roundup Weathermax (22 oz) applied with 4-wheeler (06/04/2004)

SOIL DESCRIPTION

% OM: 3 Texture: med to fine(silt loam / silty clay loam)
pH: 6.5 Soil Name: Hoytville-Nappanee
CEC: 18 Fert. Level: good

APPLICATION DESCRIPTION

	A	B
Application Date:	17/Nov/2003	20/Apr/2004
Time of Day:	09:30 am	10:00 am
Application Method:	SPRAY	SPRAY
Application Timing:	FALBD	SPRBD
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	52 F	61 F
% Relative Humidity:	90	55
Wind Velocity, Unit:	1 MPH	7.5 MPH
Soil Temp., Unit:	18 C	54 F
Soil Moisture:	wet	dry
% Cloud Cover:	100	100

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMX	ZEAMX
Stage Scale:	Residue	Residue
Height, Unit:	50 %	50 %
Crop 2 Code, Stage:	GLXMA	GLXMA
Stage Scale:	NA	NA

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WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	TAROF 4-16 lf	TAROF
Stage Scale:	2-8" DIA	3-12"
Density, Unit:	13 M2	9-36 M2

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 Backp	CO2 Backp
Operating Pressure:	25 psi	25 psi
Nozzle Type:	VS	VS
Nozzle Size:	8002	8002
Nozzle Spacing, Unit:	20 IN	20 IN
Boom Length, Unit:	10 FT	10 FT
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	water	water
Spray Volume, Unit:	15 gpa	15 gpa

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Trial ID: 03F-WBURN-SOYDAN
Location: Woodburn

Study Dir.:
Investigator: Dr. Bill Johnson

Weed Code				TAROF	TAROF	TAROF	TAROF	TAROF	
Crop Code						GLXMA	GLXMA	GLXMA	
Part Rated									
Rating Data Type				Biomass	Biomass	Biomass	Biomass	Biomass	
Rating Unit				%control	%control	%control	%control	%control	
Rating Date				20/Apr/2004	30/Apr/2004	20/May/2004	4/Jun/2004	18/Jun/2004	
Crop Stage				NA	NA	VC-V1	V2-V3	V3-V4	
Crop Stage Scale						1-2"	4-6"	6-8"	
Weed Stage				3-12"DIA	7-9"DIA	12-18"	12-18"	< 12"	
Weed Density, Unit				9-36M2	9-20M2	8-12M2	1-2 FT2	2-3 FT2	
Assessed By				Earl & Reece	Bill & Vince	Bill & Vince	Bill & Reece	Earl & Reece	
Trt-Eval Interval				155 DA-A	10 DA-B	30 DA-B	45 DA-B	14 DA-M	
ARM Action Codes									
# Subsamples, Dec.				0	0	0	0	0	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	1	2	3	4	5
1	Untreated Check				0 e	0 j	0 i	0 f	65 ef
2	Valor	0.064	lb ai/a	FALBD	87 bc	81 a-d	78 a-g	78 a-d	84 a-e
	Range Star	0.726	lb ai/a	FALBD					
	Express	0.0047	lb ai/a	FALBD					
	NIS			FALBD					
	AMS			FALBD					
3	Valor	0.064	lb ai/a	FALBD	94 ab	80 a-e	80 a-g	82 a-d	84 a-e
	Range Star	0.97	lb ai/a	FALBD					
	Express	0.0047	lb ai/a	FALBD					
	NIS			FALBD					
	AMS			FALBD					
4	Valor	0.064	lb ai/a	FALBD	88 bc	75 a-g	76 a-g	75 a-d	86 a-e
	Outlaw	0.476	lb ai/a	FALBD					
	Express	0.0047	lb ai/a	FALBD					
	NIS			FALBD					
	AMS			FALBD					
5	ROUNDUP WEATHERMAX	0.77	lb ae/a	SPRBD	0 e	53 f-i	71 b-g	63 cd	76 a-f
	AMS			SPRBD					
6	ROUNDUP WEATHERMAX	1.16	lb ae/a	SPRBD	0 e	34 i	70 c-h	65 cd	71 def
	AMS			SPRBD					
7	ROUNDUP WEATHERMAX	0.77	lb ae/a	SPRBD	0 e	51 f-i	78 a-g	79 a-d	83 a-e
	2,4-D ESTER	0.5	lb ai/a	SPRBD					
	AMS			SPRBD					
8	ROUNDUP WEATHERMAX	0.77	lb ae/a	SPRBD	0 e	54 e-i	83 a-f	89 abc	92 a-d
	2,4-D ESTER	1	lb ai/a	SPRBD					
	AMS			SPRBD					
9	ROUNDUP WEATHERMAX	0.77	lb ae/a	SPRBD	0 e	64 c-h	68 d-h	71 bcd	76 a-f
	VALOR	0.064	lb ai/a	SPRBD					
	AMS			SPRBD					
10	ROUNDUP WEATHERMAX	0.77	lb ae/a	SPRBD	0 e	84 abc	90 a-e	90 abc	94 abc
	VALOR	0.064	lb ai/a	SPRBD					
	2,4-D ESTER	0.5	lb ai/a	SPRBD					
	AMS			SPRBD					
11	ROUNDUP WEATHERMAX	0.77	lb ae/a	SPRBD	0 e	54 e-i	75 a-g	72 bcd	73 b-f
	AIM	0.0078	lb ai/a	SPRBD					
	AMS			SPRBD					
12	ROUNDUP WEATHERMAX	0.77	lb ae/a	SPRBD	0 e	43 hi	68 d-h	76 a-d	80 a-f
	AIM	0.0078	lb ai/a	SPRBD					
	2,4-D ESTER	0.5	lb ai/a	SPRBD					
	AMS			SPRBD					
13	ROUNDUP WEATHERMAX	0.77	lb ae/a	SPRBD	0 e	53 f-i	86 a-f	93 ab	92 a-d
	CANOPY XL 3.5 OZ			SPRBD					
	F6025	0.021	lb ai/a	SPRBD					
	QY998	0.102	lb ai/a	SPRBD					
	AMS			SPRBD					

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Weed Code				TAROF	TAROF	TAROF	TAROF	TAROF	
Crop Code						GLXMA	GLXMA	GLXMA	
Part Rated									
Rating Data Type				Biomass	Biomass	Biomass	Biomass	Biomass	
Rating Unit				%control	%control	%control	%control	%control	
Rating Date				20/Apr/2004	30/Apr/2004	20/May/2004	4/Jun/2004	18/Jun/2004	
Crop Stage				NA	NA	VC-V1	V2-V3	V3-V4	
Crop Stage Scale						1-2"	4-6"	6-8"	
Weed Stage				3-12"DIA	7-9"DIA	12-18"	12-18"	< 12"	
Weed Density, Unit				9-36M2	9-20M2	8-12M2	1-2 FT2	2-3 FT2	
Assessed By				Earl & Reece	Bill & Vince	Bill & Vince	Bill & Reece	Earl & Reece	
Trt-Eval Interval				155 DA-A	10 DA-B	30 DA-B	45 DA-B	14 DA-M	
ARM Action Codes									
# Subsamples, Dec.				0	0	0	0	0	
Trt No.	Treatment Name	Rate	Rate Unit	Grow Stg	1	2	3	4	5
14	ROUNDUP WEATHERMAX CANOPY XL 3.5 OZ	0.77	lb ae/a	SPRBD	0 e	49 ghi	85 a-f	93 ab	93 a-d
	F6025	0.021	lb ai/a	SPRBD					
	QY998	0.102	lb ai/a	SPRBD					
	2,4-D ESTER	0.5	lb ai/a	SPRBD					
	AMS			SPRBD					
15	GRAMOXONE MAX CANOPY XL 3.5 OZ	0.487	lb ae/a	SPRBD	0 e	61 c-h	92 abc	97 ab	96 a
	F6025	0.021	lb ai/a	SPRBD					
	QY998	0.102	lb ai/a	SPRBD					
	AMS			SPRBD					
16	GRAMOXONE MAX CANOPY XL 3.5 OZ	0.487	lb ae/a	SPRBD	0 e	69 b-h	96 a	99 a	96 ab
	F6025	0.021	lb ai/a	SPRBD					
	QY998	0.102	lb ai/a	SPRBD					
	2,4-D ESTER	0.5	lb ai/a	SPRBD					
	AMS			SPRBD					
17	GRAMOXONE MAX SENCOR	0.487	lb ai/a	SPRBD	0 e	59 c-i	68 d-h	71 bcd	80 a-f
	2,4-D ESTER	0.375	lb ai/a	SPRBD					
	COC	0.5	lb ai/a	SPRBD					
	AMS	1	% v/v	SPRBD					
	AMS			SPRBD					
18	GRAMOXONE MAX CANOPY XL 3.5 OZ	0.487	lb ai/a	SPRBD	0 e	49 ghi	91 a-d	97 ab	98 a
	F6025	0.021	lb ai/a	SPRBD					
	QY998	0.102	lb ai/a	SPRBD					
	SENCOR	0.187	lb ai/a	SPRBD					
	COC	1	% v/v	SPRBD					
	AMS			SPRBD					
19	GRAMOXONE MAX CANOPY XL 3.5 OZ	0.487	lb ai/a	SPRBD	0 e	56 d-i	95 ab	98 ab	95 abc
	F6025	0.021	lb ai/a	SPRBD					
	QY998	0.102	lb ai/a	SPRBD					
	SENCOR	0.187	lb ai/a	SPRBD					
	2,4-D ESTER	0.5	lb ai/a	SPRBD					
	COC	1	% v/v	SPRBD					
	AMS			SPRBD					
20	Untreated Check				0 e	0 j	0 i	0 f	50 g
21	Scepter	0.092	lb ai/a	FALBD	68 d	60 c-i	49 h	45 e	61 fg
	2,4-D Ester	0.5	lb ai/a	FALBD					
	AMS			FALBD					
	Crop Oil Conc			FALBD					
22	Scepter Authority	0.092	lb ai/a	FALBD	85 c	69 b-h	64 fgh	71 bcd	77 a-f
	2,4-D Ester	0.187	lb ai/a	FALBD					
	AMS	0.5	lb ai/a	FALBD					
	Crop Oil Conc			FALBD					
23	Backdraft (imazaquin)	0.84	lb ai/a	FALBD	93 ab	77 a-f	58 gh	73 a-d	73 c-f
	2,4-D Ester	0.5	lb ai/a	FALBD					
	AMS			FALBD					
	Crop Oil Conc			FALBD					

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Weed Code				TAROF	TAROF	TAROF	TAROF	TAROF	
Crop Code						GLXMA	GLXMA	GLXMA	
Part Rated									
Rating Data Type				Biomass	Biomass	Biomass	Biomass	Biomass	
Rating Unit				%control	%control	%control	%control	%control	
Rating Date				20/Apr/2004	30/Apr/2004	20/May/2004	4/Jun/2004	18/Jun/2004	
Crop Stage				NA	NA	VC-V1	V2-V3	V3-V4	
Crop Stage Scale						1-2"	4-6"	6-8"	
Weed Stage				3-12"DIA	7-9"DIA	12-18"	12-18"	< 12"	
Weed Density, Unit				9-36M2	9-20M2	8-12M2	1-2 FT2	2-3 FT2	
Assessed By				Earl & Reece	Bill & Vince	Bill & Vince	Bill & Reece	Earl & Reece	
Trt-Eval Interval				155 DA-A	10 DA-B	30 DA-B	45 DA-B	14 DA-M	
ARM Action Codes									
# Subsamples, Dec.				0	0	0	0	0	
Trt No.	Treatment Name	Rate	Rate Unit	Grow Stg	1	2	3	4	5
24	Pursuit 2,4-D Ester AMS Crop Oil Conc	0.0625	lb ai/a	SPRBD	0 e	44 hi	62 fgh	61 d	67 ef
25	Pursuit Authority 2,4-D Ester AMS Crop Oil Conc	0.0625	lb ai/a	SPRBD	0 e	56 d-i	64 fgh	75 a-d	81 a-f
26	Extreme 2,4-D Ester AMS Crop Oil Conc	0.81	lb ai/a	SPRBD	0 e	48 ghi	66 e-h	76 a-d	80 a-f
27	Classic Express 2,4-D Ester Crop Oil Conc AMS	0.0234	lb ai/a	FALBD	100 a	98 a	86 a-f	87 a-d	91 a-d
28	Canopy XL Classic Authority Express 2,4-D Ester Crop Oil Conc AMS	0.0203	lb ai/a	FALBD	97 a	89 ab	79 a-g	80 a-d	86 a-e
29	Classic Express 2,4-D Ester Crop Oil Conc AMS	0.0156	lb ai/a	FALBD	99 a	97 a	89 a-e	87 a-d	91 a-d
30	Canopy XL Classic Authority Express 2,4-D Ester Crop Oil Conc AMS	0.0147	lb ai/a	FALBD	98 a	94 a	82 a-f	84 a-d	90 a-d
LSD (P=.05)				5.6	15.4	13.2	14.6	12.1	
Standard Deviation				4.0	10.9	9.3	10.3	8.6	
CV				13.14	18.17	13.03	13.89	10.48	
Grand Mean				30.28	59.85	71.47	74.15	81.94	
Bartlett's X2				44.555	45.117	35.79	74.841	69.171	
P(Bartlett's X2)				0.001*	0.016*	0.12	0.001*	0.001*	
Replicate F				2.408	4.090	4.240	1.078	0.818	
Replicate Prob(F)				0.0726	0.0091	0.0076	0.3626	0.4873	
Treatment F				486.272	18.593	23.554	21.004	7.296	
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001	0.0001	

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
t=Mean descriptions are reported in transformed data units, and are not de-transformed.

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	TAROF	TAROF	TAROF	TAROF	TAROF
Weed Code					
Crop Code					
Part Rated					
Rating Data Type	Biomass	Biomass	Biomass	Biomass	Biomass
Rating Unit	%control	%control	%control	%control	%control
Rating Date	20/Apr/2004	30/Apr/2004	20/May/2004	4/Jun/2004	18/Jun/2004
Crop Stage	NA	NA	VC-V1	V2-V3	V3-V4
Crop Stage Scale			1-2"	4-6"	6-8"
Weed Stage	3-12"DIA	7-9"DIA	12-18"	12-18"	< 12"
Weed Density, Unit	9-36M2	9-20M2	8-12M2	1-2 FT2	2-3 FT2
Assessed By	Earl & Reece	Bill & Vince	Bill & Vince	Bill & Reece	Earl & Reece
Trt-Eval Interval	155 DA-A	10 DA-B	30 DA-B	45 DA-B	14 DA-M
ARM Action Codes					
# Subsamples, Dec.	0	0	0	0	0

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code				TAROF	TAROF	TAROF	
Crop Code				GLXMA			
Part Rated					biomas	biomas	
Rating Data Type				Biomass	counts	counts	
Rating Unit				%control	number	number	
Rating Date				1/Jul/2004	7/Oct/2004	7/Oct/2004	
Crop Stage				V-5, R1			
Crop Stage Scale				8-10"			
Weed Stage				6-14"	<1-18"	<1-18"	
Weed Density, Unit				9-16M2	75FT2	75FT2	
Assessed By				Earl & Vince	Glenn & Reece	Glenn & Reece	
Trt-Eval Interval				27 DA-M	125 DA-M	125 DA-M	
ARM Action Codes						TS[7]	
# Subsamples, Dec.				0	0	2	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	6	7	8
1	Untreated Check				79 a-d	100 b	90.99 b
2	Valor	0.064	lb ai/a	FALBD	85 a-d	51 bc	38.71 bcd
	Range Star	0.726	lb ai/a	FALBD			
	Express	0.0047	lb ai/a	FALBD			
	NIS			FALBD			
	AMS			FALBD			
3	Valor	0.064	lb ai/a	FALBD	84 a-d	26 c	20.42 cd
	Range Star	0.97	lb ai/a	FALBD			
	Express	0.0047	lb ai/a	FALBD			
	NIS			FALBD			
	AMS			FALBD			
4	Valor	0.064	lb ai/a	FALBD	83 a-d	25 c	22.90 bcd
	Outlaw	0.476	lb ai/a	FALBD			
	Express	0.0047	lb ai/a	FALBD			
	NIS			FALBD			
	AMS			FALBD			
5	ROUNDUP WEATHERMAX AMS	0.77	lb ae/a	SPRBD SPRBD	80 a-d	52 bc	47.79 bcd
6	ROUNDUP WEATHERMAX AMS	1.16	lb ae/a	SPRBD SPRBD	76 cde	65 bc	60.06 bc
7	ROUNDUP WEATHERMAX 2,4-D ESTER AMS	0.77 0.5	lb ae/a lb ai/a	SPRBD SPRBD SPRBD	81 a-d	35 c	34.17 bcd
8	ROUNDUP WEATHERMAX 2,4-D ESTER AMS	0.77 1	lb ae/a lb ai/a	SPRBD SPRBD SPRBD	92 abc	34 c	29.78 bcd
9	ROUNDUP WEATHERMAX VALOR AMS	0.77 0.064	lb ae/a lb ai/a	SPRBD SPRBD SPRBD	81 a-d	18 c	16.08 cd
10	ROUNDUP WEATHERMAX VALOR 2,4-D ESTER AMS	0.77 0.064 0.5	lb ae/a lb ai/a lb ai/a	SPRBD SPRBD SPRBD SPRBD	93 abc	4 c	4.00 d
11	ROUNDUP WEATHERMAX AIM AMS	0.77 0.0078	lb ae/a lb ai/a	SPRBD SPRBD SPRBD	79 a-d	54 bc	50.83 bc
12	ROUNDUP WEATHERMAX AIM 2,4-D ESTER AMS	0.77 0.0078 0.5	lb ae/a lb ai/a lb ai/a	SPRBD SPRBD SPRBD SPRBD	83 a-d	48 bc	46.36 bcd
13	ROUNDUP WEATHERMAX CANOPY XL 3.5 OZ F6025 QY998 AMS	0.77 0.021 0.102	lb ae/a lb ai/a lb ai/a	SPRBD SPRBD SPRBD SPRBD	90 abc	31 c	26.78 bcd

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Weed Code				TAROF	TAROF	TAROF	
Crop Code				GLXMA			
Part Rated					biomas	biomas	
Rating Data Type				Biomass	counts	counts	
Rating Unit				%control	number	number	
Rating Date				1/Jul/2004	7/Oct/2004	7/Oct/2004	
Crop Stage				V-5, R1			
Crop Stage Scale				8-10"			
Weed Stage				6-14"	<1-18"	<1-18"	
Weed Density, Unit				9-16M2	75FT2	75FT2	
Assessed By				Earl & Vince	Glenn & Reece	Glenn & Reece	
Trt-Eval Interval				27 DA-M	125 DA-M	125 DA-M	
ARM Action Codes						TS[7]	
# Subsamples, Dec.				0	0	2	
Trt No.	Treatment Name	Rate	Rate Unit	Grow Stg	6	7	8
14	ROUNDUP WEATHERMAX CANOPY XL 3.5 OZ	0.77	lb ae/a	SPRBD	90 abc	22 c	18.38 cd
	F6025	0.021	lb ai/a	SPRBD			
	QY998	0.102	lb ai/a	SPRBD			
	2,4-D ESTER	0.5	lb ai/a	SPRBD			
	AMS			SPRBD			
15	GRAMOXONE MAX CANOPY XL 3.5 OZ	0.487	lb ae/a	SPRBD	91 abc	20 c	19.08 cd
	F6025	0.021	lb ai/a	SPRBD			
	QY998	0.102	lb ai/a	SPRBD			
	AMS			SPRBD			
16	GRAMOXONE MAX CANOPY XL 3.5 OZ	0.487	lb ae/a	SPRBD	95 a	9 c	7.96 cd
	F6025	0.021	lb ai/a	SPRBD			
	QY998	0.102	lb ai/a	SPRBD			
	2,4-D ESTER	0.5	lb ai/a	SPRBD			
	AMS			SPRBD			
17	GRAMOXONE MAX SENCOR	0.487	lb ai/a	SPRBD	86 a-d	15 c	13.02 cd
	2,4-D ESTER	0.375	lb ai/a	SPRBD			
	COC	0.5	lb ai/a	SPRBD			
	AMS	1	% v/v	SPRBD			
	AMS			SPRBD			
18	GRAMOXONE MAX CANOPY XL 3.5 OZ	0.487	lb ai/a	SPRBD	94 a	17 c	16.26 cd
	F6025	0.021	lb ai/a	SPRBD			
	QY998	0.102	lb ai/a	SPRBD			
	SENCOR	0.187	lb ai/a	SPRBD			
	COC	1	% v/v	SPRBD			
	AMS			SPRBD			
19	GRAMOXONE MAX CANOPY XL 3.5 OZ	0.487	lb ai/a	SPRBD	92 abc	12 c	8.45 cd
	F6025	0.021	lb ai/a	SPRBD			
	QY998	0.102	lb ai/a	SPRBD			
	SENCOR	0.187	lb ai/a	SPRBD			
	2,4-D ESTER	0.5	lb ai/a	SPRBD			
	COC	1	% v/v	SPRBD			
	AMS			SPRBD			
20	Untreated Check				64 e	153 a	150.76 a
21	Scepter	0.092	lb ai/a	FALBD	71 de	62 bc	60.54 bc
	2,4-D Ester	0.5	lb ai/a	FALBD			
	AMS			FALBD			
	Crop Oil Conc			FALBD			
22	Scepter Authority	0.092	lb ai/a	FALBD	80 a-d	37 c	36.03 bcd
	2,4-D Ester	0.187	lb ai/a	FALBD			
	AMS	0.5	lb ai/a	FALBD			
	Crop Oil Conc			FALBD			
23	Backdraft (imazaquin)	0.84	lb ai/a	FALBD	81 a-d	42 c	38.29 bcd
	2,4-D Ester	0.5	lb ai/a	FALBD			
	AMS			FALBD			
	Crop Oil Conc			FALBD			

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Weed Code				TAROF	TAROF	TAROF	
Crop Code				GLXMA			
Part Rated					biomas	biomas	
Rating Data Type				Biomass	counts	counts	
Rating Unit				%control	number	number	
Rating Date				1/Jul/2004	7/Oct/2004	7/Oct/2004	
Crop Stage				V-5, R1			
Crop Stage Scale				8-10"			
Weed Stage				6-14"	<1-18"	<1-18"	
Weed Density, Unit				9-16M2	75FT2	75FT2	
Assessed By				Earl & Vince	Glenn & Reece	Glenn & Reece	
Trt-Eval Interval				27 DA-M	125 DA-M	125 DA-M	
ARM Action Codes						TS[7]	
# Subsamples, Dec.				0	0	2	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	6	7	8
24	Pursuit 2,4-D Ester AMS Crop Oil Conc	0.0625 0.5	lb ai/a lb ai/a	SPRBD SPRBD SPRBD SPRBD	76 b-e	52 bc	47.20 bcd
25	Pursuit Authority 2,4-D Ester AMS Crop Oil Conc	0.0625 0.187 0.5	lb ai/a lb ai/a lb ai/a	SPRBD SPRBD SPRBD SPRBD SPRBD	81 a-d	25 c	24.63 bcd
26	Extreme 2,4-D Ester AMS Crop Oil Conc	0.81 0.5	lb ai/a lb ai/a	SPRBD SPRBD SPRBD SPRBD	82 a-d	39 c	36.70 bcd
27	Classic Express 2,4-D Ester Crop Oil Conc AMS	0.0234 0.007 0.5	lb ai/a lb ai/a lb ai/a	FALBD FALBD FALBD FALBD FALBD	94 ab	14 c	11.77 cd
28	Canopy XL Classic Authority Express 2,4-D Ester Crop Oil Conc AMS	0.0203 0.103 0.007 0.5	lb ai/a lb ai/a lb ai/a lb ai/a	FALBD FALBD FALBD FALBD FALBD FALBD	89 abc	23 c	17.43 cd
29	Classic Express 2,4-D Ester Crop Oil Conc AMS	0.0156 0.0047 0.5	lb ai/a lb ai/a lb ai/a	FALBD FALBD FALBD FALBD FALBD	92 abc	8 c	7.89 cd
30	Canopy XL Classic Authority Express 2,4-D Ester Crop Oil Conc AMS	0.0147 0.073 0.0047 0.5	lb ai/a lb ai/a lb ai/a lb ai/a	FALBD FALBD FALBD FALBD FALBD FALBD	91 abc	15 c	13.80 cd
LSD (P=.05)				9.6	36.2	2.704t	
Standard Deviation				6.8	25.6	1.912t	
CV				8.04	69.62	34.96	
Grand Mean				84.41	36.73	5.47t	
Bartlett's X2				33.876	80.186	40.755	
P(Bartlett's X2)				0.244	0.001*	0.072	
Replicate F				1.887	1.520	1.986	
Replicate Prob(F)				0.1377	0.2151	0.1220	
Treatment F				4.858	5.604	5.095	
Treatment Prob(F)				0.0001	0.0001	0.0001	

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
t=Mean descriptions are reported in transformed data units, and are not de-transformed.

Purdue University

Weed Code	TAROF	TAROF	TAROF
Crop Code	GLXMA		
Part Rated		biomas	biomas
Rating Data Type	Biomass	counts	counts
Rating Unit	%control	number	number
Rating Date	1/Jul/2004	7/Oct/2004	7/Oct/2004
Crop Stage	V-5, R1		
Crop Stage Scale	8-10"		
Weed Stage	6-14"	<1-18"	<1-18"
Weed Density, Unit	9-16M2	75FT2	75FT2
Assessed By	Earl & Vince	Glenn & Reece	Glenn & Reece
Trt-Eval Interval	27 DA-M	125 DA-M	125 DA-M
ARM Action Codes			TS[7]
# Subsamples, Dec.	0	0	2

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Column 8: TS[7] = SQR([7] + .5)