

Burndown of Large Maretail Prior to Soybean.

Project Code: 06-Alstat-M100 Location: Murphysboro, IL  
Investigator: Bryan Young

Investigator: Bryan Young, Associate Professor, Southern Illinois University

City State Zip Country: Murphysboro IL 62966 USA  
Trial Status: Final Updated: 11-9-06**Objective:**

Evaluate which herbicide program provides the greatest control of large maretail plants.

Weed Code Common Name Scientific Name  
1. ERICA horseweed Conyza canadensis (L.) Crong.Crop 1: GLXMA soybean Variety: FS4646  
Planting Method: Seeded Planting Date: 6-5-06  
Rate: 75 lb/A Depth: 1.0 IN  
Row Spacing: 30 IN Seed Bed: No-TillPlot Width, Unit: 10 FT Plot Length, Unit: 30 FT Reps: 3  
Tillage Type: No-Till Study Design: Randomized complete block  
Previous Crop, Year: GLXMA, 2005**APPLICATION DESCRIPTION**A  
Application Date: 5-26-06  
Time of Day: 18:00  
Application Method: Spray  
Application Timing: 2-20"MT  
Applic. Placement: BROFOL  
Air Temp., Unit: 88 F  
% Relative Humidity: 51  
Wind Velocity, Unit: 1-2 MPH  
Dew Presence (Y/N): N  
Soil Temp., Unit: 84 F  
Soil Moisture: BELNOR  
% Cloud Cover: 10**CROP STAGE AT EACH APPLICATION**A  
Crop 1 Code, Stage: GLXMA NA  
Height, Unit: NA NA**WEED STAGE AT EACH APPLICATION**A  
Weed 1 Code: ERICA  
Stage (leaves): 5-60  
Height (inches): 3-27  
Density: High**APPLICATION EQUIPMENT**A  
Appl. Equipment: CO2 sprayer  
Operating Pressure: 40 PSI  
Nozzle Type: Flat fan  
Nozzle Size: 8002  
Boom Length, Unit: 7.5 FT  
Spray Volume, Unit: 15 GPA**NOTES:**

Burndown of Large Marestalk Prior to Soybean.

Project Code: 06-Alstat-M100 Location: Murphysboro, IL  
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Weed Code									GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	ERICA<6	ERICA<6	
Crop Code									Moisture	Test wt.	Yield	Injury	Injury	Control	Control	
Rating Data Type									Percent	lb/bu	bu/A	Percent	Percent	Percent	Percent	
Rating Unit									10-21-06	10-21-06	10-21-06	6-23-06	7-31-06	6-9-06	6-23-06	
Rating Date												28 DA-A	30 DAPO	14 DA-A	28 DA-A	
Trt-Eval Interval																
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code							
1	NONTREATED										7	0	0	0	0	
2	ROUNDUP W-MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	2-20"MT	A	14.9	49.8	25	0	0	37	47
2	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	2-20"MT	A							
3	ROUNDUP W-MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	2-20"MT	A	15.0	50.0	41	1	0	67	75
3	2,4-D LV4	3.8 EC		0.475	lb ae/a	1	pt/a	2-20"MT	A							
3	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	2-20"MT	A							
4	ROUNDUP W-MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	2-20"MT	A	14.4	49.6	49	0	0	75	83
4	2,4-D LV4	3.8 EC		0.95	lb ae/a	2	pt/a	2-20"MT	A							
4	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	2-20"MT	A							
5	ROUNDUP W-MAX	4.5 SL		1.12	lb ae/a	32	fl oz/a	2-20"MT	A	14.7	50.3	27	0	0	22	43
5	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	2-20"MT	A							
6	ROUNDUP W-MAX	4.5 SL		1.12	lb ae/a	32	fl oz/a	2-20"MT	A	14.4	49.8	42	0	0	67	65
6	2,4-D LV4	3.8 EC		0.475	lb ae/a	1	pt/a	2-20"MT	A							
6	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	2-20"MT	A							
7	ROUNDUP W-MAX	4.5 SL		1.12	lb ae/a	32	fl oz/a	2-20"MT	A	14.6	49.7	46	2	0	75	95
7	2,4-D LV4	3.8 EC		0.95	lb ae/a	2	pt/a	2-20"MT	A							
7	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	2-20"MT	A							
8	ROUNDUP W-MAX	4.5 SL		1.55	lb ae/a	44	fl oz/a	2-20"MT	A	15.2	49.4	34	0	0	22	42
8	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	2-20"MT	A							
9	ROUNDUP W-MAX	4.5 SL		1.55	lb ae/a	44	fl oz/a	2-20"MT	A	14.5	49.8	42	0	0	72	65
9	2,4-D LV4	3.8 EC		0.475	lb ae/a	1	pt/a	2-20"MT	A							
9	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	2-20"MT	A							
10	ROUNDUP W-MAX	4.5 SL		1.55	lb ae/a	44	fl oz/a	2-20"MT	A	14.5	50.0	45	0	0	70	87
10	2,4-D LV4	3.8 EC		0.95	lb ae/a	2	pt/a	2-20"MT	A							
10	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	2-20"MT	A							
11	ROUNDUP W-MAX	4.5 SL		1.12	lb ae/a	32	fl oz/a	2-20"MT	A	15.8	51.1	15	0	0	27	40
11	VALOR SX	51 WG		0.032	lb ai/a	1	oz/a	2-20"MT	A							
11	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	2-20"MT	A							
12	ROUNDUP W-MAX	4.5 SL		1.12	lb ae/a	32	fl oz/a	2-20"MT	A	15.4	49.7	25	0	0	23	40
12	VALOR SX	51 WG		0.064	lb ai/a	2	oz/a	2-20"MT	A							
12	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	2-20"MT	A							
13	ROUNDUP W-MAX	4.5 SL		1.12	lb ae/a	32	fl oz/a	2-20"MT	A	15.3	49.8	21	0	0	23	33
13	VALOR SX	51 WG		0.096	lb ai/a	3	oz/a	2-20"MT	A							
13	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	2-20"MT	A							
14	ROUNDUP W-MAX	4.5 SL		1.12	lb ae/a	32	fl oz/a	2-20"MT	A	14.5	49.5	43	0	0	65	42
14	VALOR SX	51 WG		0.064	lb ai/a	2	oz/a	2-20"MT	A							
14	2,4-D LV4	3.8 EC		0.475	lb ae/a	1	pt/a	2-20"MT	A							
14	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	2-20"MT	A							
15	ROUNDUP W-MAX	4.5 SL		1.12	lb ae/a	32	fl oz/a	2-20"MT	A	14.7	49.8	44	0	0	63	55
15	GANGSTER (MULTI-PACK)															
15	->GANGSTER V	51 WG		0.048	lb ai/a	1.5	oz/a	2-20"MT	A							
15	->GANGSTER FR	84 WG		0.0157	lb ai/a	0.3	oz/a	2-20"MT	A							
15	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	2-20"MT	A							
16	ROUNDUP W-MAX	4.5 SL		1.12	lb ae/a	32	fl oz/a	2-20"MT	A	14.7	50.0	47	0	0	67	75
16	GANGSTER (MULTI-PACK)															
16	->GANGSTER V	51 WG		0.064	lb ai/a	2	oz/a	2-20"MT	A							
16	->GANGSTER FR	84 WG		0.0209	lb ai/a	0.4	oz/a	2-20"MT	A							
16	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	2-20"MT	A							
17	GRAMOXONE INTEON	2 SL		1	lb ai/a	4	pt/a	2-20"MT	A	14.6	49.7	49	0	0	98	96
17	ACTIVATOR 90	100 LIQ		0.125	% v/v	0.125	% v/v	2-20"MT	A							
18	GRAMOXONE INTEON	2 SL		1	lb ai/a	4	pt/a	2-20"MT	A	14.6	49.4	51	0	0	98	98
18	2,4-D LV4	3.8 EC		0.475	lb ae/a	1	pt/a	2-20"MT	A							
18	ACTIVATOR 90	100 LIQ		0.125	% v/v	0.125	% v/v	2-20"MT	A							
19	GRAMOXONE INTEON	2 SL		1	lb ai/a	4	pt/a	2-20"MT	A	14.8	49.7	52	0	0	99	99
19	2,4-D LV4	3.8 EC		0.95	lb ae/a	2	pt/a	2-20"MT	A							
19	ACTIVATOR 90	100 LIQ		0.125	% v/v	0.125	% v/v	2-20"MT	A							

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Weed Code									GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	ERICA<6	ERICA<6	
Crop Code									Moisture	Test wt.	Yield	Injury	Injury	Control	Control	
Rating Data Type									Percent	lb/bu	bu/A	Percent	Percent	Percent	Percent	
Rating Unit									10-21-06	10-21-06	10-21-06	6-23-06	7-31-06	6-9-06	6-23-06	
Rating Date												28 DA-A	30 DAPO	14 DA-A	28 DA-A	
Trt-Eval Interval																
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code							
20	GRAMOXONE INTEON	2	SL	1	lb ai/a	4	pt/a	2-20"MT	A	14.6	49.6	49	0	0	99	95
20	PREFIX	5.28	EW	1.32	lb ai/a	32	fl oz/a	2-20"MT	A							
20	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2-20"MT	A							
21	GRAMOXONE INTEON	2	SL	1	lb ai/a	4	pt/a	2-20"MT	A	14.9	50.1	57	0	0	98	95
21	SENCOR	75	WG	0.187	lb ai/a	4	oz/a	2-20"MT	A							
21	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2-20"MT	A							
22	ROUNDUP W-MAX	4.5	SL	1.12	lb ae/a	32	fl oz/a	2-20"MT	A	14.8	49.6	48	0	0	68	73
22	FIRSTRATE	84	WG	0.0157	lb ai/a	0.3	oz/a	2-20"MT	A							
22	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	2-20"MT	A							
23	ROUNDUP W-MAX	4.5	SL	1.12	lb ae/a	32	fl oz/a	2-20"MT	A	14.6	49.6	48	0	0	68	67
23	FIRSTRATE	84	WG	0.0157	lb ai/a	0.3	oz/a	2-20"MT	A							
23	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	2-20"MT	A							
23	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	2-20"MT	A							
24	ROUNDUP W-MAX	4.5	SL	1.12	lb ae/a	32	fl oz/a	2-20"MT	A	14.5	49.8	46	7	6	63	72
24	CLARITY	4	EC	0.25	lb ai/a	8	fl oz/a	2-20"MT	A							
24	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	2-20"MT	A							
25	ROUNDUP W-MAX	4.5	SL	1.12	lb ae/a	32	fl oz/a	2-20"MT	A	14.7	49.7	41	0	0	58	45
25	CANOPY	75	WG	0.07	lb ai/a	1.5	oz/a	2-20"MT	A							
25	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	2-20"MT	A							
26	GRAMOXONE INTEON	2	SL	1	lb ai/a	4	pt/a	2-20"MT	A	14.7	49.8	52	0	0	99	98
26	SENCOR	75	WG	0.187	lb ai/a	4	oz/a	2-20"MT	A							
26	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	2-20"MT	A							
26	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2-20"MT	A							
27	20 GPA									14.6	49.6	52	0	0	99	94
27	GRAMOXONE INTEON	2	SL	1	lb ai/a	4	pt/a	2-20"MT	A							
27	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2-20"MT	A							
28	ROUNDUP W-MAX	4.5	SL	1.12	lb ae/a	32	fl oz/a	2-20"MT	A	14.7	49.6	35	0	0	58	53
28	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	2-20"MT	A							
28	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	2-20"MT	A							
29	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-20"MT	A	14.6	49.9	49	0	0	95	95
29	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	2-20"MT	A							
30	GRAMOXONE INTEON	2	SL	1	lb ai/a	4	pt/a	2-20"MT	A	14.4	49.8	50	0	0	99	98
30	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	2-20"MT	A							
30	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-20"MT	A							
LSD (P=.05)										0.70	0.74	11.3	1.3	0.5	11.6	14.7
Replicate F										1.333	2.252	7.003	0.826	1.000	5.025	4.962
Replicate Prob(F)										0.2729	0.1158	0.0019	0.4430	0.3741	0.0097	0.0102
Treatment F										1.685	1.537	9.322	7.110	36.000	49.158	25.046
Treatment Prob(F)										0.0531	0.0915	0.0001	0.0001	0.0001	0.0001	0.0001

Burndown of Large Marestalk Prior to Soybean.

Project Code: 06-Alstat-M100 Location: Murphysboro, IL  
 Investigator: Bryan Young

Weed Code									ERICA>12	ERICA>12	ERICA_OA	ERICA_OA	ERICA_OA	ERICA	
Crop Code									Control	Control	Control	Control	Control	Plants	
Rating Data Type									Percent	Percent	Percent	Percent	Percent	1.0 m2	
Rating Unit									6-9-06	6-23-06	6-9-06	6-23-06	7-31-06	10-21-06	
Rating Date									14 DA-A	28 DA-A	14 DA-A	28 DA-A	30 DAPO	EOS	
Trt-Eval Interval															
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code						
1	NONTREATED									0	0	0	0	0	20.7
2	ROUNDUP W-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		2-20"MT	A	40	50	38	48	53	15.3
2	AMS	100 DRY		2.0 % w/w		17 lb/100 gal		2-20"MT	A						
3	ROUNDUP W-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		2-20"MT	A	58	70	63	73	86	2.7
3	2,4-D LV4	3.8 EC		0.475 lb ae/a		1 pt/a		2-20"MT	A						
3	AMS	100 DRY		2.0 % w/w		17 lb/100 gal		2-20"MT	A						
4	ROUNDUP W-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		2-20"MT	A	57	77	66	80	94	2.7
4	2,4-D LV4	3.8 EC		0.95 lb ae/a		2 pt/a		2-20"MT	A						
4	AMS	100 DRY		2.0 % w/w		17 lb/100 gal		2-20"MT	A						
5	ROUNDUP W-MAX	4.5 SL		1.12 lb ae/a		32 fl oz/a		2-20"MT	A	33	53	28	48	53	15.3
5	AMS	100 DRY		2.0 % w/w		17 lb/100 gal		2-20"MT	A						
6	ROUNDUP W-MAX	4.5 SL		1.12 lb ae/a		32 fl oz/a		2-20"MT	A	62	68	64	67	86	6.7
6	2,4-D LV4	3.8 EC		0.475 lb ae/a		1 pt/a		2-20"MT	A						
6	AMS	100 DRY		2.0 % w/w		17 lb/100 gal		2-20"MT	A						
7	ROUNDUP W-MAX	4.5 SL		1.12 lb ae/a		32 fl oz/a		2-20"MT	A	65	88	70	92	97	0.7
7	2,4-D LV4	3.8 EC		0.95 lb ae/a		2 pt/a		2-20"MT	A						
7	AMS	100 DRY		2.0 % w/w		17 lb/100 gal		2-20"MT	A						
8	ROUNDUP W-MAX	4.5 SL		1.55 lb ae/a		44 fl oz/a		2-20"MT	A	48	57	35	49	60	7.3
8	AMS	100 DRY		2.0 % w/w		17 lb/100 gal		2-20"MT	A						
9	ROUNDUP W-MAX	4.5 SL		1.55 lb ae/a		44 fl oz/a		2-20"MT	A	55	65	63	65	78	6.0
9	2,4-D LV4	3.8 EC		0.475 lb ae/a		1 pt/a		2-20"MT	A						
9	AMS	100 DRY		2.0 % w/w		17 lb/100 gal		2-20"MT	A						
10	ROUNDUP W-MAX	4.5 SL		1.55 lb ae/a		44 fl oz/a		2-20"MT	A	58	82	64	84	95	0.7
10	2,4-D LV4	3.8 EC		0.95 lb ae/a		2 pt/a		2-20"MT	A						
10	AMS	100 DRY		2.0 % w/w		17 lb/100 gal		2-20"MT	A						
11	ROUNDUP W-MAX	4.5 SL		1.12 lb ae/a		32 fl oz/a		2-20"MT	A	22	30	24	35	52	16.7
11	VALOR SX	51 WG		0.032 lb ai/a		1 oz/a		2-20"MT	A						
11	AMS	100 DRY		2.0 % w/w		17 lb/100 gal		2-20"MT	A						
12	ROUNDUP W-MAX	4.5 SL		1.12 lb ae/a		32 fl oz/a		2-20"MT	A	32	47	28	43	50	19.3
12	VALOR SX	51 WG		0.064 lb ai/a		2 oz/a		2-20"MT	A						
12	AMS	100 DRY		2.0 % w/w		17 lb/100 gal		2-20"MT	A						
13	ROUNDUP W-MAX	4.5 SL		1.12 lb ae/a		32 fl oz/a		2-20"MT	A	38	42	31	38	48	16.0
13	VALOR SX	51 WG		0.096 lb ai/a		3 oz/a		2-20"MT	A						
13	AMS	100 DRY		2.0 % w/w		17 lb/100 gal		2-20"MT	A						
14	ROUNDUP W-MAX	4.5 SL		1.12 lb ae/a		32 fl oz/a		2-20"MT	A	57	58	61	50	68	12.0
14	VALOR SX	51 WG		0.064 lb ai/a		2 oz/a		2-20"MT	A						
14	2,4-D LV4	3.8 EC		0.475 lb ae/a		1 pt/a		2-20"MT	A						
14	AMS	100 DRY		2.0 % w/w		17 lb/100 gal		2-20"MT	A						
15	ROUNDUP W-MAX	4.5 SL		1.12 lb ae/a		32 fl oz/a		2-20"MT	A	52	62	58	58	76	15.3
15	GANGSTER (MULTI-PACK)														
15	->GANGSTER V	51 WG		0.048 lb ai/a		1.5 oz/a		2-20"MT	A						
15	->GANGSTER FR	84 WG		0.0157 lb ai/a		0.3 oz/a		2-20"MT	A						
15	AMS	100 DRY		2.0 % w/w		17 lb/100 gal		2-20"MT	A						
16	ROUNDUP W-MAX	4.5 SL		1.12 lb ae/a		32 fl oz/a		2-20"MT	A	63	72	65	73	92	4.7
16	GANGSTER (MULTI-PACK)														
16	->GANGSTER V	51 WG		0.064 lb ai/a		2 oz/a		2-20"MT	A						
16	->GANGSTER FR	84 WG		0.0209 lb ai/a		0.4 oz/a		2-20"MT	A						
16	AMS	100 DRY		2.0 % w/w		17 lb/100 gal		2-20"MT	A						
17	GRAMOXONE INTEON	2 SL		1 lb ai/a		4 pt/a		2-20"MT	A	96	98	97	97	99	0.0
17	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v		2-20"MT	A						
18	GRAMOXONE INTEON	2 SL		1 lb ai/a		4 pt/a		2-20"MT	A	97	94	98	96	99	0.0
18	2,4-D LV4	3.8 EC		0.475 lb ae/a		1 pt/a		2-20"MT	A						
18	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v		2-20"MT	A						
19	GRAMOXONE INTEON	2 SL		1 lb ai/a		4 pt/a		2-20"MT	A	96	97	98	98	98	0.0
19	2,4-D LV4	3.8 EC		0.95 lb ae/a		2 pt/a		2-20"MT	A						
19	ACTIVATOR 90	100 LIQ		0.125 % v/v		0.125 % v/v		2-20"MT	A						

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 Investigator: Bryan Young

										ERICA>12	ERICA>12	ERICA_OA	ERICA_OA	ERICA_OA	ERICA
										Control	Control	Control	Control	Control	Plants
										Percent	Percent	Percent	Percent	Percent	1.0 m2
										6-9-06	6-23-06	6-9-06	6-23-06	7-31-06	10-21-06
										14 DA-A	28 DA-A	14 DA-A	28 DA-A	30 DAPO	EOS
Trt	Treatment	Form	Form	Rate	Prod	Prod	Grow	Appl							
No.	Name	Conc	Type	Unit	Rate	Unit	Stg	Code							
20	GRAMOXONE INTEON	2	SL	1	lb ai/a	4	pt/a	2-20"MT A	95	93	97	94	96	0.0	
20	PREFIX	5.28	EW	1.32	lb ai/a	32	fl oz/a	2-20"MT A							
20	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2-20"MT A							
21	GRAMOXONE INTEON	2	SL	1	lb ai/a	4	pt/a	2-20"MT A	95	94	96	94	99	0.0	
21	SENCOR	75	WG	0.187	lb ai/a	4	oz/a	2-20"MT A							
21	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2-20"MT A							
22	ROUNDUP W-MAX	4.5	SL	1.12	lb ae/a	32	fl oz/a	2-20"MT A	57	68	63	71	88	0.7	
22	FIRSTRATE	84	WG	0.0157	lb ai/a	0.3	oz/a	2-20"MT A							
22	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	2-20"MT A							
23	ROUNDUP W-MAX	4.5	SL	1.12	lb ae/a	32	fl oz/a	2-20"MT A	50	70	59	68	94	4.0	
23	FIRSTRATE	84	WG	0.0157	lb ai/a	0.3	oz/a	2-20"MT A							
23	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	2-20"MT A							
23	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	2-20"MT A							
24	ROUNDUP W-MAX	4.5	SL	1.12	lb ae/a	32	fl oz/a	2-20"MT A	62	74	63	73	89	8.0	
24	CLARITY	4	EC	0.25	lb ai/a	8	fl oz/a	2-20"MT A							
24	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	2-20"MT A							
25	ROUNDUP W-MAX	4.5	SL	1.12	lb ae/a	32	fl oz/a	2-20"MT A	37	50	48	48	62	9.3	
25	CANOPY	75	WG	0.07	lb ai/a	1.5	oz/a	2-20"MT A							
25	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	2-20"MT A							
26	GRAMOXONE INTEON	2	SL	1	lb ai/a	4	pt/a	2-20"MT A	95	93	97	96	97	1.3	
26	SENCOR	75	WG	0.187	lb ai/a	4	oz/a	2-20"MT A							
26	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	2-20"MT A							
26	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2-20"MT A							
27	20 GPA								95	96	97	95	97	0.0	
27	GRAMOXONE INTEON	2	SL	1	lb ai/a	4	pt/a	2-20"MT A							
27	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2-20"MT A							
28	ROUNDUP W-MAX	4.5	SL	1.12	lb ae/a	32	fl oz/a	2-20"MT A	52	63	55	58	65	13.3	
28	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	2-20"MT A							
28	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	2-20"MT A							
29	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-20"MT A	92	85	93	90	91	0.0	
29	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	2-20"MT A							
30	GRAMOXONE INTEON	2	SL	1	lb ai/a	4	pt/a	2-20"MT A	96	93	97	96	98	0.7	
30	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	2-20"MT A							
30	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-20"MT A							
LSD (P=.05)									11.2	12.8	9.0	12.6	12.6	7.83	
Replicate F									1.760	2.402	4.285	4.220	1.848	4.263	
Replicate Prob(F)									0.1811	0.0995	0.0184	0.0194	0.1667	0.0187	
Treatment F									42.875	25.428	71.131	29.357	26.965	6.207	
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	

Trial Comments

1. Protocol: SIU, Valent, Monsanto, Syngenta.
2. Ratings: CI/WC 14 + 28 DAT; for marestalk record WC separately for plants that are <6", 6-12", and >12".
3. Blanket postemergence application of Roundup WeatherMax (32 fl oz/A) + AMS (17 lb/100 gal) was applied on 6-30-06.
4. ERICA<6 = Plants that were less than 6 inches in height at application.  
 ERICA>12 = Plants that were greater than 12 inches in height at application.  
 ERICA\_OA = Overall control.  
 DA-A = Days after 2-20"MT application. DAPO = Days after blanket postemergence application.  
 1.0 m2 = One square meter. EOS = End of season.
5. Harvested 10-21-06, (2) 30 inch rows by 27 ft.