

Roundup OriginalMax Burndown Tank-Mix Interactions

- Glyphosate-Resistant Marestalk.

Project Code: 07-YRC-Monsanto 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: 1-24-08

Objective:

Determine if Valor antagonizes burndown weed control of Roundup OriginalMax and, if so, how to alleviate the antagonism.

Weed Code	Common Name	Scientific Name
1.	ERICA horseweed	Conyza canadensis (L.) Crong.
2.	OXAST woodsorrel, yellow	Oxalis stricta L.
3.	HORPU barley, little	Hordeum pusillum Nutt.
4.	GERCA geranium, Carolina	Geranium carolinianum L.
5.	STEME chickweed, common	Stellaria media (L.) Vill.

Crop 1: GLXMA soybean Variety: FS4646 RR
 Planting Method: Seeded Planting Date: 5-18-07
 Rate: 180000 S/A Depth: 1.25 IN
 Row Spacing: 30 IN

Plot Width, Unit: 10 FT Plot Length, Unit: 30 FT Reps: 3
 Tillage Type: No-Till Study Design: Randomized complete block
 Previous Crop, Year: ZEAMX, 2006
 Field Prep./Maintenance: N 0 LB/A, P205 0 LB/A, K20 0 LB/A

Soil Name: Alvin % OM: 1.6 pH: 5.2 CEC: 6.7
 Texture: Very fine sandy loam Fert. Level: P1: 56 LB/A, K: 143 LB/A

APPLICATION DESCRIPTION

	A	B
Application Date:	5-8-07	6-18-07
Time of Day:	9:30	8:00
Application Method:	Spray	Spray
Application Timing:	6"MT	4-6"W
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	82 F	86 F
% Relative Humidity:	55	58
Wind Velocity, Unit:	1-2 MPH	3 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	69 F	77 F
Soil Moisture:	NORMAL	NORMAL
% Cloud Cover:	25	75

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLXMA NA	GLXMA V4
Height, Unit:	NA NA	11 IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code:	ERICA	ERICA
Stage(leaves):	4-35	10-120+
Height(inches):	1-7	2-22
Density:	Medium	Medium
Weed 2 Code:	OXAST	
Stage(leaves):	4-10	
Height(inches):	1-2	
Density:	Low	
Weed 3 Code:	HORPU	
Stage(leaves):	3-4	
Height(inches):	5-10	
Density:	Medium	
Weed 4 Code:	GERCA	
Stage(leaves):	10-35+	
Height(inches):	4-6	
Density:	Low	
Weed 5 Code:	STEME	
Stage(leaves):	20-50+	
Height(inches):	3-6	
Density:	Medium	

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 sprayer	CO2 sprayer
Operating Pressure:	40 PSI	40 PSI
Nozzle Type:	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002
Boom Length, Unit:	7.5 FT	7.5 FT
Spray Volume, Unit:	15 GPA	15 GPA

NOTES:

Roundup OriginalMax Burndown Tank-Mix Interactions

- Glyphosate-Resistant Maestail.

Project Code: 07-YRC-Monsanto Location: Murphysboro, IL

Investigator: Bryan Young

Weed Code

Crop Code

Rating Data Type

Rating Unit

Rating Date

Trt-Eval Interval

										GLXMA	GLXMA	ERICA	ERICA	ERICA	ERICA	ERICA	OXAST
										Injury	Injury	Control	Overall	Regrowth	Residual	Control	Control
										Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
										6-5-07	7-2-07	5-22-07	6-5-07	6-5-07	6-5-07	7-2-07	5-22-07
										28 DA-A	14 DA-B	14 DA-A	28 DA-A	28 DA-A	28 DA-A	14 DA-B	14 DA-A
Trt	Treatment	Form	Form	Rate	Prod	Prod	Grow	Appl									
No.	Name	Conc	Type	Unit	Rate	Unit	Stg	Code									
1	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	6"MT	A		0 a	0 a	33 h	72 d	75 bc	17 d	80 cd	99 a
1	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	6"MT	A									
1	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	4-6"W	B									
1	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	4-6"W	B									
2	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	6"MT	A		0 a	0 a	38 h	47 e	47 d	77 c	55 e	99 a
2	VALOR SX	51	WG	0.064 lb ai/a	2	oz/a	6"MT	A									
2	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	6"MT	A									
2	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	4-6"W	B									
2	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	4-6"W	B									
3	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	6"MT	A		0 a	0 a	73 def	80 cd	78 b	98 a	86 bc	99 a
3	VALOR SX	51	WG	0.064 lb ai/a	2	oz/a	6"MT	A									
3	2,4-D LV4	3.8	EC	0.475 lb ai/a	1.0	pt/a	6"MT	A									
3	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	6"MT	A									
3	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	4-6"W	B									
3	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	4-6"W	B									
4	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	6"MT	A		0 a	0 a	65 f	93 ab	91 a	99 a	96 a	98 bc
4	VALOR SX	51	WG	0.064 lb ai/a	2	oz/a	6"MT	A									
4	CLARITY	4	EC	0.25 lb ae/a	0.5	pt/a	6"MT	A									
4	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	6"MT	A									
4	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	4-6"W	B									
4	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	4-6"W	B									
5	ROUNDUP ORIG MAX	4.5	SL	1.12 lb ae/a	32	fl oz/a	6"MT	A		0 a	0 a	50 g	87 bc	90 a	80 bc	93 ab	99 a
5	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	6"MT	A									
5	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	4-6"W	B									
5	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	4-6"W	B									
6	ROUNDUP ORIG MAX	4.5	SL	1.12 lb ae/a	32	fl oz/a	6"MT	A		0 a	0 a	63 f	75 d	67 c	93 ab	75 d	99 a
6	VALOR SX	51	WG	0.064 lb ai/a	2	oz/a	6"MT	A									
6	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	6"MT	A									
6	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	4-6"W	B									
6	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	4-6"W	B									
7	ROUNDUP ORIG MAX	4.5	SL	1.12 lb ae/a	32	fl oz/a	6"MT	A		0 a	0 a	87 bc	92 ab	93 a	98 a	95 a	99 a
7	VALOR SX	51	WG	0.064 lb ai/a	2	oz/a	6"MT	A									
7	2,4-D LV4	3.8	EC	0.475 lb ai/a	1.0	pt/a	6"MT	A									
7	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	6"MT	A									
7	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	4-6"W	B									
7	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	4-6"W	B									
8	ROUNDUP ORIG MAX	4.5	SL	1.12 lb ae/a	32	fl oz/a	6"MT	A		0 a	0 a	67 f	92 ab	91 a	99 a	96 a	99 a
8	VALOR SX	51	WG	0.064 lb ai/a	2	oz/a	6"MT	A									
8	CLARITY	4	EC	0.25 lb ae/a	0.5	pt/a	6"MT	A									
8	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	6"MT	A									
8	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	4-6"W	B									
8	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	4-6"W	B									
9	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	6"MT	A		0 a	0 a	78 cde	98 ab	98 a	99 a	98 a	99 a
9	INTRRO	4	L	2.0 lb ai/a	2	qt/a	6"MT	A									
9	2,4-D LV4	3.8	EC	0.475 lb ai/a	1.0	pt/a	6"MT	A									
9	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	6"MT	A									
9	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	4-6"W	B									
9	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	4-6"W	B									
10	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	6"MT	A		0 a	0 a	82 bcd	91 abc	95 a	78 bc	95 a	99 a
10	PROWL H2O	3.8	CS	0.95 lb ai/a	2	pt/a	6"MT	A									
10	2,4-D LV4	3.8	EC	0.475 lb ai/a	1.0	pt/a	6"MT	A									
10	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	6"MT	A									
10	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	4-6"W	B									
10	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	4-6"W	B									
11	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	6"MT	A		0 a	0 a	91 ab	99 a	99 a	99 a	99 a	98 ab
11	AUTHORITY FIRST	70	DF	0.141 lb ai/a	3.22	oz/a	6"MT	A									
11	2,4-D LV4	3.8	EC	0.475 lb ai/a	1.0	pt/a	6"MT	A									
11	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	6"MT	A									
11	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	4-6"W	B									
11	N-PAK AMS	100	LIQ	5 % v/v	5	% v/v	4-6"W	B									

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Rating Data Type

Rating Unit

Rating Date

Trt-Eval Interval

										GLXMA	GLXMA	ERICA	ERICA	ERICA	ERICA	ERICA	OXAST
										Injury	Injury	Control	Overall	Regrowth	Residual	Control	Control
										Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
										6-5-07	7-2-07	5-22-07	6-5-07	6-5-07	6-5-07	7-2-07	5-22-07
										28 DA-A	14 DA-B	14 DA-A	28 DA-A	28 DA-A	28 DA-A	14 DA-B	14 DA-A
Trt	Treatment	Form	Form	Rate	Rate	Prod	Prod	Grow	Appl								
No.	Name	Conc	Type		Unit	Rate	Unit	Stg	Code								
12	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6"MT	A	0 a	0 a	81 b-e	95 ab	93 a	99 a	94 a	99 a
12	VALOR XLT	40.3	WG			3	oz/a	6"MT	A								
12	->VALOR SX	51	WG	0.056	lb ai/a			6"MT	A								
12	->CLASSIC	25	WG	0.0194	lb ai/a			6"MT	A								
12	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	6"MT	A								
12	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W	B								
12	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B								
13	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6"MT	A	0 a	0 a	87 bc	98 ab	98 a	99 a	98 a	99 a
13	VALOR XLT	40.3	WG			3	oz/a	6"MT	A								
13	->VALOR SX	51	WG	0.056	lb ai/a			6"MT	A								
13	->CLASSIC	25	WG	0.0194	lb ai/a			6"MT	A								
13	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	6"MT	A								
13	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	6"MT	A								
13	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W	B								
13	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B								
14	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	6"MT	A	0 a	0 a	99 a	99 a	99 a	99 a	99 a	99 a
14	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	6"MT	A								
14	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	6"MT	A								
14	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W	B								
14	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B								
15	NONTREATED									0 a	0 a	0 i	0 f	0 e	0 e	0 f	0 d
16	FIRSTRATE	84	WG	0.0157	lb ai/a	0.3	oz/a	6"MT	A	0 a	0 a	71 ef	96 ab	94 a	99 a	98 a	97 c
16	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	6"MT	A								
16	DURANGO	4	SL	0.375	lb ae/a	12	fl oz/a	6"MT	A								
16	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	6"MT	A								
16	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	B								
16	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B								
LSD (P=.05)										0.0	0.0	10.6	11.6	11.0	16.1	7.9	1.3
Replicate F										0.000	0.000	0.413	0.021	0.430	1.273	0.144	2.944
Replicate Prob(F)										1.0000	1.0000	0.6655	0.9793	0.6542	0.2947	0.8667	0.0680
Treatment F										0.000	0.000	47.874	41.143	46.309	29.986	86.382	3076.540
Treatment Prob(F)										1.0000	1.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

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- Glyphosate-Resistant Maretail.

Project Code: 07-YRC-Monsanto Location: Murphysboro, IL

Investigator: Bryan Young

Weed Code	HORPU	GERCA	STEME
Crop Code			
Rating Data Type			
Rating Unit	Control	Control	Control
Rating Date	Percent	Percent	Percent
Trt-Eval Interval	5-22-07	5-22-07	5-22-07
	14 DA-A	14 DA-A	14 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code			
1	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6"MT	A	99	a	99
1	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	6"MT	A			
1	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W	B			
1	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B			
2	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6"MT	A	99	a	99
2	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	6"MT	A		87	c
2	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	6"MT	A			
2	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W	B			
2	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B			
3	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6"MT	A	99	a	99
3	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	6"MT	A		96	ab
3	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	6"MT	A			
3	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	6"MT	A			
3	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W	B			
3	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B			
4	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6"MT	A	99	a	99
4	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	6"MT	A			
4	CLARITY	4	EC	0.25	lb ae/a	0.5	pt/a	6"MT	A			
4	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	6"MT	A			
4	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W	B			
4	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B			
5	ROUNDUP ORIG MAX	4.5	SL	1.12	lb ae/a	32	fl oz/a	6"MT	A	99	a	99
5	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	6"MT	A		93	b
5	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W	B			
5	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B			
6	ROUNDUP ORIG MAX	4.5	SL	1.12	lb ae/a	32	fl oz/a	6"MT	A	99	a	99
6	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	6"MT	A			
6	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	6"MT	A			
6	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W	B			
6	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B			
7	ROUNDUP ORIG MAX	4.5	SL	1.12	lb ae/a	32	fl oz/a	6"MT	A	99	a	99
7	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	6"MT	A			
7	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	6"MT	A			
7	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	6"MT	A			
7	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W	B			
7	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B			
8	ROUNDUP ORIG MAX	4.5	SL	1.12	lb ae/a	32	fl oz/a	6"MT	A	99	a	99
8	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	6"MT	A			
8	CLARITY	4	EC	0.25	lb ae/a	0.5	pt/a	6"MT	A			
8	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	6"MT	A			
8	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W	B			
8	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B			
9	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6"MT	A	99	a	99
9	INTRRO	4	L	2.0	lb ai/a	2	qt/a	6"MT	A			
9	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	6"MT	A			
9	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	6"MT	A			
9	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W	B			
9	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B			
10	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6"MT	A	99	a	99
10	PROWL H2O	3.8	CS	0.95	lb ai/a	2	pt/a	6"MT	A			
10	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	6"MT	A			
10	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	6"MT	A			
10	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W	B			
10	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B			
11	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6"MT	A	99	a	99
11	AUTHORITY FIRST	70	DF	0.141	lb ai/a	3.22	oz/a	6"MT	A		98	a
11	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	6"MT	A			
11	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	6"MT	A			
11	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W	B			
11	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B			

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- Glyphosate-Resistant Maestail.

Project Code: 07-YRC-Monsanto Location: Murphysboro, IL

Investigator: Bryan Young

Weed Code	HORPU	GERCA	STEME
Crop Code			
Rating Data Type	Control	Control	Control
Rating Unit	Percent	Percent	Percent
Rating Date	5-22-07	5-22-07	5-22-07
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code			
12	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6"MT	A	99	a	99 a
12	VALOR XLT	40.3	WG			3	oz/a	6"MT	A			
12	->VALOR SX	51	WG	0.056	lb ai/a			6"MT	A			
12	->CLASSIC	25	WG	0.0194	lb ai/a			6"MT	A			
12	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	6"MT	A			
12	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W	B			
12	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B			
13	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6"MT	A	99	a	99 a
13	VALOR XLT	40.3	WG			3	oz/a	6"MT	A			
13	->VALOR SX	51	WG	0.056	lb ai/a			6"MT	A			
13	->CLASSIC	25	WG	0.0194	lb ai/a			6"MT	A			
13	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	6"MT	A			
13	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	6"MT	A			
13	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W	B			
13	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B			
14	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	6"MT	A	95	b	99 a
14	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	6"MT	A			
14	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	6"MT	A			
14	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4-6"W	B			
14	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B			
15	NONTREATED									0	c	0 b
16	FIRSTRATE	84	WG	0.0157	lb ai/a	0.3	oz/a	6"MT	A	99	a	99 a
16	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	6"MT	A			
16	DURANGO	4	SL	0.375	lb ae/a	12	fl oz/a	6"MT	A			
16	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	6"MT	A			
16	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	B			
16	N-PAK AMS	100	LIQ	5	% v/v	5	% v/v	4-6"W	B			

LSD (P=.05) 0.0 4.6 0.0

Replicate F	0.000	1.226	0.000
Replicate Prob(F)	1.0000	0.3076	1.0000
Treatment F	0.000	242.708	0.000
Treatment Prob(F)	1.0000	0.0001	1.0000

Means followed by same letter do not significantly differ (P=.05, LSD)

Trial Comments

1. Protocol: Monsanto (30-06).
2. Ratings: WC 14 and 28 DAT, % regrowth and residual control at 28 DAT.
3. Application should be at least 14 days prior to soybean planting.
4. Trial can be managed as necessary by investigator after the last evaluation.
5. DA-A and DA-B = Days after 6"MT and 4-6"W applications, respectively.