

Fall and Spring Residual Herbicides for Marestalk Control in Soybean.

Trial ID: 11-YRC-MonFall Location: Young Res. Center

	Pest Stage At Each Application							
Application Date:	11-18-10	4-1-11	5-17-11	6-10-11				
Weed Code:	ERICA	ERICA	ERICA	ERICA				
Stage Majority (leaves):	4	6	25	15				
Stage Min, Max:	coty 20	2 20	4 40	5 50				
Height Majority:	2 IN	1.5 IN	7 IN	10 IN				
Height Min, Max:	0.5 5	0.25 4	1 16	2 21				
Density, Unit:	0.6 FT2	0.5 FT2	1 FT2	8 FT2				
Weed Code:	LAMAM	LAMAM	LAMAM	LAMAM				
Stage Majority (leaves):	6	25	senescing	senescing				
Stage Min, Max:	4 12	4 35						
Height Majority:	3 IN	4 IN						
Height Min, Max:	1 5	2 10						
Density, Unit:	6 FT2	0.1 FT2						
Weed Code:	THLAR	THLAR	THLAR	THLAR				
Stage Majority (leaves):	3	10	bolting	senescing				
Stage Min, Max:	1 8	5 20						
Height Majority:	2 IN	3 IN						
Height Min, Max:	1 4	2 6						
Density, Unit:	0.3 FT2	0.3 FT2						
Weed Code:	AMASS	AMASS	AMASS	AMASS				
Stage Majority (leaves):	NA	NA	4	11				
Stage Min, Max:			coty 8	coty 22				
Height Majority:			1 IN	7 IN				
Height Min, Max:			0.5 1.5	0.5 15				
Density, Unit:			0.3 FT2	4 FT2				
Weed Code:	SETFA	SETFA	SETFA	SETFA				
Stage Majority (leaves):	NA		4	4				
Stage Min, Max:			1 7	1 7				
Height Majority:			4 IN	9 IN				
Height Min, Max:			1 6	1 14				
Density, Unit:			0.1 FT2	5 FT2				

Application Equipment

Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	30 PSI	30 PSI	30 PSI	30 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002	XR 8002	XR 8002
Boom Length, Unit:	6.67 FT	6.67 FT	6.67 FT	6.67 FT
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA

Fall and Spring Residual Herbicides for Marestail Control in Soybean.

Trial ID: 11-YRC-MonFall Location: Young Res. Center

Pest Code				ERICA-HR			ERICA-HR		ERICA-HR		LAMAM		LAMAM	
Crop Code		GLXMA		4-1-11			5-15-11		6-10-11		4-1-11		5-15-11	
Rating Date		6-10-11		Control			Control		Control		Control		Control	
Rating Data Type		Injury		Percent			Percent		Percent		Percent		Percent	
Rating Unit		0 DA-D		0 DA-B			-2 DA-C		0 DA-D		0 DA-B		-2 DA-C	
Rating Timing		70 DA-B		134 DA-A			178 DA-A		70 DA-B		134 DA-A		178 DA-A	
Trt-Eval Interval														
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	30DBP	B	0 a		68 c	45 f	97 ab
1	AMS	100	SG		2 % w/w		2 % w/w	30DBP	B					
1	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
1	FIRSTRATE	84	WG	0.0158	lb ai/a	0.3	oz/a	POST	D					
1	AMS	100	SG		2 % w/w		2 % w/w	POST	D					
2	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	30DBP	B	0 a		99 a	63 e	99 a
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	30DBP	B					
2	AMS	100	SG		2 % w/w		2 % w/w	30DBP	B					
2	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
2	AMS	100	SG		2 % w/w		2 % w/w	POST	D					
3	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	30DBP	B	0 a		99 a	92 bc	97 ab
3	CLARITY	4	SL	0.5	lb ae/a	0.5	qt/a	30DBP	B					
3	AMS	100	SG		2 % w/w		2 % w/w	30DBP	B					
3	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
3	AMS	100	SG		2 % w/w		2 % w/w	POST	D					
4	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	1-7DBP	C	0 a			98 ab	
4	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	1-7DBP	C					
4	MSO (DESTINY)	100	SL		1 % v/v		1 % v/v	1-7DBP	C					
4	AMS	100	SG		2 % w/w		2 % w/w	1-7DBP	C					
4	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
4	AMS	100	SG		2 % w/w		2 % w/w	POST	D					
5	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	1-7DBP	C	0 a			97 abc	
5	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	1-7DBP	C					
5	COC (PRIME OIL)	100	SL		1 % v/v		1 % v/v	1-7DBP	C					
5	AMS	100	SG		2 % w/w		2 % w/w	1-7DBP	C					
5	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
5	AMS	100	SG		2 % w/w		2 % w/w	POST	D					
6	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	FALL	A	0 a	99 a	99 a	99 a	99 a
6	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	FALL	A					
6	VALOR XLT	40.3	WG			3	oz/a	FALL	A					
6	VALOR SX	51	WG	0.056	lb ai/a			FALL	A					
6	CLASSIC	25	WG	0.0194	lb ai/a			FALL	A					
6	EXPRESS	50	SG	0.00313	lb ai/a	0.1	oz/a	FALL	A					
6	COC (PRIME OIL)	100	SL		1 % v/v		1 % v/v	FALL	A					
6	AMS	100	SG		2 % w/w		2 % w/w	FALL	A					
6	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	1-7DBP	C					
6	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	1-7DBP	C					
6	MSO (DESTINY)	100	SL		1 % v/v		1 % v/v	1-7DBP	C					
6	AMS	100	SG		2 % w/w		2 % w/w	1-7DBP	C					
6	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
6	AMS	100	SG		2 % w/w		2 % w/w	POST	D					
7	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	30DBP	B	0 a		99 a	99 a	99 a
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	30DBP	B					
7	VALOR XLT	40.3	WG			3	oz/a	30DBP	B					
7	VALOR SX	51	WG	0.056	lb ai/a			30DBP	B					
7	CLASSIC	25	WG	0.0194	lb ai/a			30DBP	B					
7	EXPRESS	50	SG	0.00313	lb ai/a	0.1	oz wt/a	30DBP	B					
7	COC (PRIME OIL)	100	SL		1 % v/v		1 % v/v	30DBP	B					
7	AMS	100	SG		2 % w/w		2 % w/w	30DBP	B					
7	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
7	AMS	100	SG		2 % w/w		2 % w/w	POST	D					
8	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	FALL	A	0 a	93 b	73 c	99 a	98 b
8	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	FALL	A					
8	AUTHORITY MTZ	45	WG	0.31	lb ai/a	11	oz/a	FALL	A					
8	EXPRESS	50	SG	0.00313	lb ai/a	0.1	oz/a	FALL	A					
8	COC (PRIME OIL)	100	SL		1 % v/v		1 % v/v	FALL	A					
8	AMS	100	SG		2 % w/w		2 % w/w	FALL	A					
8	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	1-7DBP	C					
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	1-7DBP	C					
8	MSO (DESTINY)	100	SL		1 % v/v		1 % v/v	1-7DBP	C					
8	AMS	100	SG		2 % w/w		2 % w/w	1-7DBP	C					
8	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
8	AMS	100	SG		2 % w/w		2 % w/w	POST	D					

Fall and Spring Residual Herbicides for Marestail Control in Soybean.

Trial ID: 11-YRC-MonFall Location: Young Res. Center

Pest Code				ERICA-HR			LAMAM		LAMAM						
Crop Code		GLXMA													
Rating Date		6-10-11		4-1-11			5-15-11		6-10-11						
Rating Data Type		Injury		Control			Control		Control						
Rating Unit		Percent		Percent			Percent		Percent						
Rating Timing		0 DA-D		0 DA-B			-2 DA-C		0 DA-D						
Trt-Eval Interval		70 DA-B		134 DA-A			178 DA-A		70 DA-B						
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
9	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	30DBP	B	0 a		99 a	78 d		99 a
9	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	30DBP	B						
9	AUTHORITY MTZ	45	WG	0.31	lb ai/a	11	oz/a	30DBP	B						
9	EXPRESS	50	SG	0.00313	lb ai/a	0.1	oz/a	30DBP	B						
9	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	30DBP	B						
9	AMS	100	SG	2	% w/w	2	% w/w	30DBP	B						
9	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D						
9	AMS	100	SG	2	% w/w	2	% w/w	POST	D						
10	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	FALL	A	0 a	99 a	99 a	99 a	99 a	98 ab
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	FALL	A						
10	AUTHORITY XL	70	WG	0.175	lb ai/a	4	oz/a	FALL	A						
10	EXPRESS	50	SG	0.00313	lb ai/a	0.1	oz/a	FALL	A						
10	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	FALL	A						
10	AMS	100	SG	2	% w/w	2	% w/w	FALL	A						
10	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	1-7DBP	C						
10	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	1-7DBP	C						
10	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	1-7DBP	C						
10	AMS	100	SG	2	% w/w	2	% w/w	1-7DBP	C						
10	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D						
10	AMS	100	SG	2	% w/w	2	% w/w	POST	D						
11	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	30DBP	B	0 a		99 a	99 ab		99 a
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	30DBP	B						
11	AUTHORITY XL	70	WG	0.175	lb ai/a	4	oz/a	30DBP	B						
11	EXPRESS	50	SG	0.00313	lb ai/a	0.1	oz/a	30DBP	B						
11	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	30DBP	B						
11	AMS	100	SG	2	% w/w	2	% w/w	30DBP	B						
11	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D						
11	AMS	100	SG	2	% w/w	2	% w/w	POST	D						
12	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	FALL	A	0 a	99 a	91 b	99 ab	99 a	99 a
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	FALL	A						
12	MON 63410	3	CS	1.125	lb ai/a	48	fl oz/a	FALL	A						
12	EXPRESS	50	SG	0.00313	lb ai/a	0.1	oz/a	FALL	A						
12	AMS	100	SG	2	% w/w	2	% w/w	FALL	A						
12	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	1-7DBP	C						
12	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	1-7DBP	C						
12	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	1-7DBP	C						
12	AMS	100	SG	2	% w/w	2	% w/w	1-7DBP	C						
12	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D						
12	AMS	100	SG	2	% w/w	2	% w/w	POST	D						
13	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	30DBP	B	0 a		99 a	91 c		99 a
13	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	30DBP	B						
13	MON 63410	3	CS	1.125	lb ai/a	48	fl oz/a	30DBP	B						
13	EXPRESS	50	SG	0.00313	lb ai/a	0.1	oz/a	30DBP	B						
13	AMS	100	SG	2	% w/w	2	% w/w	30DBP	B						
13	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D						
13	AMS	100	SG	2	% w/w	2	% w/w	POST	D						
14	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	FALL	A	0 a	99 a	97 ab	99 a	99 a	99 a
14	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	FALL	A						
14	CANOPY EX	29.5	WG			2	oz/a	FALL	A						
14	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A						
14	EXPRESS	50	SG	0.00848	lb ai/a			FALL	A						
14	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	FALL	A						
14	AMS	100	SG	2	% w/w	2	% w/w	FALL	A						
14	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	1-7DBP	C						
14	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	1-7DBP	C						
14	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	1-7DBP	C						
14	AMS	100	SG	2	% w/w	2	% w/w	1-7DBP	C						
14	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D						
14	AMS	100	SG	2	% w/w	2	% w/w	POST	D						

Fall and Spring Residual Herbicides for Marestail Control in Soybean.

Trial ID: 11-YRC-MonFall Location: Young Res. Center

Pest Code							THLAR	THLAR	AMASS	AMASS	SETFA			
Crop Code							4-1-11	5-15-11	5-15-11	6-10-11	6-10-11			
Rating Date							Control	Control	Control	Control	Control			
Rating Data Type							Percent	Percent	Percent	Percent	Percent			
Rating Unit							0 DA-B	-2 DA-C	-2 DA-C	0 DA-D	0 DA-D			
Rating Timing							134 DA-A	178 DA-A	178 DA-A	70 DA-B	70 DA-B			
Trt-Eval Interval														
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	30DBP	B	94 abc	0 e	0 d	0 f	
1	AMS	100	SG	2	% w/w	2	% w/w	30DBP	B					
1	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
1	FIRSTRATE	84	WG	0.0158	lb ai/a	0.3	oz/a	POST	D					
1	AMS	100	SG	2	% w/w	2	% w/w	POST	D					
2	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	30DBP	B	99 a	0 e	0 d	0 f	
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	30DBP	B					
2	AMS	100	SG	2	% w/w	2	% w/w	30DBP	B					
2	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
2	AMS	100	SG	2	% w/w	2	% w/w	POST	D					
3	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	30DBP	B	99 a	0 e	3 d	13 e	
3	CLARITY	4	SL	0.5	lb ae/a	0.5	qt/a	30DBP	B					
3	AMS	100	SG	2	% w/w	2	% w/w	30DBP	B					
3	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
3	AMS	100	SG	2	% w/w	2	% w/w	POST	D					
4	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	1-7DBP	C			68 b	91 ab	
4	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	1-7DBP	C					
4	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	1-7DBP	C					
4	AMS	100	SG	2	% w/w	2	% w/w	1-7DBP	C					
4	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
4	AMS	100	SG	2	% w/w	2	% w/w	POST	D					
5	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	1-7DBP	C			68 b	89 ab	
5	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	1-7DBP	C					
5	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	1-7DBP	C					
5	AMS	100	SG	2	% w/w	2	% w/w	1-7DBP	C					
5	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
5	AMS	100	SG	2	% w/w	2	% w/w	POST	D					
6	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	FALL	A	99 a	96 ab	75 ab	95 a	96 a
6	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	FALL	A					
6	VALOR XLT	40.3	WG			3	oz/a	FALL	A					
6	VALOR SX	51	WG	0.056	lb ai/a			FALL	A					
6	CLASSIC	25	WG	0.0194	lb ai/a			FALL	A					
6	EXPRESS	50	SG	0.00313	lb ai/a	0.1	oz/a	FALL	A					
6	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	FALL	A					
6	AMS	100	SG	2	% w/w	2	% w/w	FALL	A					
6	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	1-7DBP	C					
6	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	1-7DBP	C					
6	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	1-7DBP	C					
6	AMS	100	SG	2	% w/w	2	% w/w	1-7DBP	C					
6	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
6	AMS	100	SG	2	% w/w	2	% w/w	POST	D					
7	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	30DBP	B	99 a	99 a	8 d	80 bc	
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	30DBP	B					
7	VALOR XLT	40.3	WG			3	oz/a	30DBP	B					
7	VALOR SX	51	WG	0.056	lb ai/a			30DBP	B					
7	CLASSIC	25	WG	0.0194	lb ai/a			30DBP	B					
7	EXPRESS	50	SG	0.00313	lb ai/a	0.1	oz wt/a	30DBP	B					
7	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	30DBP	B					
7	AMS	100	SG	2	% w/w	2	% w/w	30DBP	B					
7	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
7	AMS	100	SG	2	% w/w	2	% w/w	POST	D					
8	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	FALL	A	17 b	17 d	28 de	76 b	91 ab
8	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	FALL	A					
8	AUTHORITY MTZ	45	WG	0.31	lb ai/a	11	oz/a	FALL	A					
8	EXPRESS	50	SG	0.00313	lb ai/a	0.1	oz/a	FALL	A					
8	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	FALL	A					
8	AMS	100	SG	2	% w/w	2	% w/w	FALL	A					
8	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	1-7DBP	C					
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	1-7DBP	C					
8	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	1-7DBP	C					
8	AMS	100	SG	2	% w/w	2	% w/w	1-7DBP	C					
8	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
8	AMS	100	SG	2	% w/w	2	% w/w	POST	D					

Fall and Spring Residual Herbicides for Marestail Control in Soybean.

Trial ID: 11-YRC-MonFall

Location: Young Res. Center

Pest Code	THLAR	THLAR	AMASS	AMASS	SETFA
Crop Code					
Rating Date	4-1-11	5-15-11	5-15-11	6-10-11	6-10-11
Rating Data Type	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent
Rating Timing	0 DA-B	-2 DA-C	-2 DA-C	0 DA-D	0 DA-D
Trt-Eval Interval	134 DA-A	178 DA-A	178 DA-A	70 DA-B	70 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
9	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	30DBP	B		99 a	97 a	3 d	58 d
9	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	30DBP	B					
9	AUTHORITY MTZ	45	WG	0.31	lb ai/a	11	oz/a	30DBP	B					
9	EXPRESS	50	SG	0.00313	lb ai/a	0.1	oz/a	30DBP	B					
9	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	30DBP	B					
9	AMS	100	SG	2	% w/w	2	% w/w	30DBP	B					
9	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
9	AMS	100	SG	2	% w/w	2	% w/w	POST	D					
10	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	FALL	A	73 a	83 bc	49 bcd	87 a	89 ab
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	FALL	A					
10	AUTHORITY XL	70	WG	0.175	lb ai/a	4	oz/a	FALL	A					
10	EXPRESS	50	SG	0.00313	lb ai/a	0.1	oz/a	FALL	A					
10	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	FALL	A					
10	AMS	100	SG	2	% w/w	2	% w/w	FALL	A					
10	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	1-7DBP	C					
10	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	1-7DBP	C					
10	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	1-7DBP	C					
10	AMS	100	SG	2	% w/w	2	% w/w	1-7DBP	C					
10	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
10	AMS	100	SG	2	% w/w	2	% w/w	POST	D					
11	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	30DBP	B		99 a	99 a	8 d	85 abc
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	30DBP	B					
11	AUTHORITY XL	70	WG	0.175	lb ai/a	4	oz/a	30DBP	B					
11	EXPRESS	50	SG	0.00313	lb ai/a	0.1	oz/a	30DBP	B					
11	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	30DBP	B					
11	AMS	100	SG	2	% w/w	2	% w/w	30DBP	B					
11	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
11	AMS	100	SG	2	% w/w	2	% w/w	POST	D					
12	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	FALL	A	88 a	80 c	35 d	96 a	96 a
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	FALL	A					
12	MON 63410	3	CS	1.125	lb ai/a	48	fl oz/a	FALL	A					
12	EXPRESS	50	SG	0.00313	lb ai/a	0.1	oz/a	FALL	A					
12	AMS	100	SG	2	% w/w	2	% w/w	FALL	A					
12	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	1-7DBP	C					
12	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	1-7DBP	C					
12	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	1-7DBP	C					
12	AMS	100	SG	2	% w/w	2	% w/w	1-7DBP	C					
12	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
12	AMS	100	SG	2	% w/w	2	% w/w	POST	D					
13	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	30DBP	B		99 a	99 a	19 c	48 d
13	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	30DBP	B					
13	MON 63410	3	CS	1.125	lb ai/a	48	fl oz/a	30DBP	B					
13	EXPRESS	50	SG	0.00313	lb ai/a	0.1	oz/a	30DBP	B					
13	AMS	100	SG	2	% w/w	2	% w/w	30DBP	B					
13	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
13	AMS	100	SG	2	% w/w	2	% w/w	POST	D					
14	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	FALL	A	92 a	95 ab	38 cd	94 a	94 a
14	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	FALL	A					
14	CANOPY EX	29.5	WG			2	oz/a	FALL	A					
14	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A					
14	EXPRESS	50	SG	0.00848	lb ai/a			FALL	A					
14	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	FALL	A					
14	AMS	100	SG	2	% w/w	2	% w/w	FALL	A					
14	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	1-7DBP	C					
14	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	1-7DBP	C					
14	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	1-7DBP	C					
14	AMS	100	SG	2	% w/w	2	% w/w	1-7DBP	C					
14	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
14	AMS	100	SG	2	% w/w	2	% w/w	POST	D					

Fall and Spring Residual Herbicides for Marestalk Control in Soybean.

Trial ID: 11-YRC-MonFall Location: Young Res. Center

Pest Code	THLAR	THLAR	AMASS	AMASS	SETFA
Crop Code					
Rating Date	4-1-11	5-15-11	5-15-11	6-10-11	6-10-11
Rating Data Type	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent
Rating Timing	0 DA-B	-2 DA-C	-2 DA-C	0 DA-D	0 DA-D
Trt-Eval Interval	134 DA-A	178 DA-A	178 DA-A	70 DA-B	70 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
15	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	30DBP	B		99 a	65 bc	0 d	76 c
15	2,4-D LV 4	3.8	EC	0.475	lb ae/a	0.5	qt/a	30DBP	B					
15	CANOPY EX	29.5	WG			2	oz/a	30DBP	B					
15	CLASSIC	25	WG	0.0283	lb ai/a			30DBP	B					
15	EXPRESS	50	SG	0.00848	lb ai/a			30DBP	B					
15	COC (PRIME OIL)	100	SL	1	% v/v		1 % v/v	30DBP	B					
15	AMS	100	SG	2	% w/w		2 % w/w	30DBP	B					
15	ROUNDUP POWERMAX	4.5	SL	0.75	lb ae/a	21.3	fl oz/a	POST	D					
15	AMS	100	SG	2	% w/w	2	% w/w	POST	D					

LSD (P=.05) 27.1 13.5 27.9 10.3 11.8

Replicate F	0.209	0.630	0.920	1.473	3.836
Replicate Prob(F)	0.8876	0.6015	0.4417	0.2357	0.0163
Treatment F	16.152	23.355	16.492	132.150	73.611
Treatment Prob(F)	0.0007	0.0001	0.0001	0.0001	0.0001

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

Trial Comments

1. Protocol: Monsanto (2011-01-30-01).
2. Ratings: WC (target marestalk) prior to B, C, and D applications.
3. ERICA-HR = Herbicide-resistant marestalk (glyphosate).
AMASS = Amaranth species including AMATA (common waterhemp) and AMARE (redroot pigweed).
4. By 6-10-11 LAMAM and THLAR were senescing naturally in the nontreated plots and could no longer be evaluated.
5. Ratings at 70 DA-B were also 24 DA-C.
6. Not harvested.