

Rimsulfuron in Grapes.

Project Code: 05-Boegler Location: Ava, IL
Investigator: Bryan Young

Investigator: Bryan Young, Associate Professor, Southern Illinois University

City State Zip Country: Ava IL 62907 USA
Trial Status: Final Updated: 12-06-05**Objective:**

To evaluate the efficiency and crop tolerance of rimsulfuron and rimsulfuron combinations in grapes.

Weed Code	Common Name	Scientific Name
1.	STEME chickweed, common	Stellaria media (L.) Vill.
2.	LAMAM henbit	Lamium amplexicaule L.
3.	ERICA horseweed	Conyza canadensis (L.) Cronq.
4.	PLAPR plantain, woolly	Plantaginaceae patagonica Jacq.
5.	TRFRE clover, white	Trifolium repens L.
6.	GGGGG grasses	Gramineae
7.	SETFA foxtail, giant	Setaria faberi Herrm.
8.	ERIAN fleabane, annual	Erigeron annuus (L.) Pers.
9.	TAROF dandelion	Taraxacum officinale Weber in Wiggers
10.	SOLCA horsenettle	Solanum carolinense L.
11.	CHEAL lambsquarters, common	Chenopodium album L.
12.	SIDSP sida, prickly	Sida spinosa L.
13.	IPOSS morningglory, species	Ipomoea sp.

Crop 1: VITVI grape Variety: Chardone1
Planting Method: EstablishedPlot Width, Unit: 3 FT Plot Length, Unit: 24 FT Reps: 3
Tillage Type: No-Till Study Design: Randomized complete block**APPLICATION DESCRIPTION**

	A	B
Application Date:	04-15-05	06-23-05
Time of Day:	8:00	10:30
Application Method:	Spray	Spray
Application Timing:	PREBUD	60-90DA-A
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	51 F	90 F
% Relative Humidity:	59	46
Wind Velocity, Unit:	5 MPH	1-6 MPH
Dew Presence (Y/N):	Y	N
Soil Temp., Unit:	51 F	86 F
Soil Moisture:	NORMAL	BELNOR
% Cloud Cover:	0	0

CROP STAGE AT EACH APPLICATION

	A		B	
Crop 1 Code, Stage:	VITVI	NA	VITVI	NA
Height, Unit:	NA	NA	NA	NA

WEED STAGE AT EACH APPLICATION

	A		B	
Weed 1 Code:	STEME			
Stage (leaves):	10-90			
Height (inches):	2-12			
Density:	High			
Weed 2 Code:	LAMAM			
Stage (leaves):	6-18			
Height (inches):	4-8			
Density:	Low			
Weed 3 Code:	ERICA		ERICA	
Stage (leaves):	6-30		30-45	
Height (inches):	2-5		10-12	
Density:	Low		Medium	
Weed 4 Code:	PLAPR			
Stage (leaves):	6-10			
Height (inches):	3-4			
Density:	Low			
Weed 5 Code:	TRFRE			
Stage (leaves):	50+			
Height (inches):	2-4			
Density:	Low			
Weed 6 Code:	GGGGG			
Stage (leaves):	10-20			
Height (inches):	4-8			
Density:	Low			
Weed 8 Code:	ERIAN		ERIAN	
Stage (leaves):	4-20		16-18	
Height (inches):	2-5		14-16	
Density:	Low		Low	

Rimsulfuron in Grapes.

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Weed 9 Code: TAROF
Stage (leaves): 6-18
Height (inches): 3-8
Density: Low

Weed10 Code: SOLCA
Stage (leaves): 6-8
Height (inches): 12-14
Density: Low

Weed13 Code: IPOSS
Stage (leaves): 6-8
Height (inches): 10-12
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:	8002E	8002E
Boom Length, Unit:	3 FT	3 FT
Spray Volume, Unit:	20 GPA	20 GPA

NOTES:

Rimsulfuron in Grapes.

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Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	STEME	LAMAM	ERICA	ERICA	ERICA	ERICA	ERICA	ERICA				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	Control Percent 05-15-05 30DA-A	Control Percent 05-15-05 30DA-A	Control Percent 05-15-05 30DA-A	Control Percent 06-14-05 60DA-A	Control Percent 07-23-05 30 DA-B	Control Percent 08-11-05 118 DA-A	Control Percent 08-26-05 64 DA-B	Control Percent 10-04-05 103 DA-B
1	MATRIX	25 WG		0.0469	lb ai/a	3	oz/a	PREBUD	A	97	99	66	38	0	0		
1	KARMEX	80 WG		1.6	lb ai/a	2	lb/a	PREBUD	A								
1	CORNERSTONE	3 SL		0.75	lb ae/a	32	fl oz/a	PREBUD	A								
1	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	PREBUD	A								
2	MATRIX	25 WG		0.0625	lb ai/a	4	oz/a	PREBUD	A	94	99	35	10	33	0		
2	KARMEX	80 WG		1.6	lb ai/a	2	lb/a	PREBUD	A								
2	CORNERSTONE	3 SL		0.75	lb ae/a	32	fl oz/a	PREBUD	A								
2	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	PREBUD	A								
3	MATRIX	25 WG		0.0469	lb ai/a	3	oz/a	PREBUD	A	94	99	98	8	2	0		
3	SURFLAN	4 SL		4.0	lb ai/a	4	qt/a	PREBUD	A								
3	CORNERSTONE	3 SL		0.75	lb ae/a	32	fl oz/a	PREBUD	A								
3	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	PREBUD	A								
4	MATRIX	25 WG		0.0625	lb ai/a	4	oz/a	PREBUD	A	99	99	99	99	12	0		
4	SURFLAN	4 SL		4.0	lb ai/a	4	qt/a	PREBUD	A								
4	CORNERSTONE	3 SL		0.75	lb ae/a	32	fl oz/a	PREBUD	A								
4	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	PREBUD	A								
5	MATRIX	25 WG		0.0469	lb ai/a	3	oz/a	PREBUD	A	97	99	66	80	65	98	98	99
5	SURFLAN	4 SL		2.0	lb ai/a	2	qt/a	PREBUD	A								
5	CORNERSTONE	3 SL		0.75	lb ae/a	32	fl oz/a	PREBUD	A								
5	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	PREBUD	A								
5	MATRIX	25 WG		0.0469	lb ai/a	3	oz/a	60-90DA-A	B								
5	SURFLAN	4 SL		2.0	lb ai/a	2	qt/a	60-90DA-A	B								
5	CORNERSTONE	3 SL		0.75	lb ae/a	32	fl oz/a	60-90DA-A	B								
5	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	60-90DA-A	B								
6	MATRIX	25 WG		0.0625	lb ai/a	4	oz/a	PREBUD	A	83	96	99	66	12	97	98	99
6	SURFLAN	4 SL		2.0	lb ai/a	2	qt/a	PREBUD	A								
6	CORNERSTONE	3 SL		0.75	lb ae/a	32	fl oz/a	PREBUD	A								
6	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	PREBUD	A								
6	MATRIX	25 WG		0.0625	lb ai/a	4	oz/a	60-90DA-A	B								
6	SURFLAN	4 SL		2.0	lb ai/a	2	qt/a	60-90DA-A	B								
6	CORNERSTONE	3 SL		0.75	lb ae/a	32	fl oz/a	60-90DA-A	B								
6	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	60-90DA-A	B								
7	MATRIX	25 WG		0.0469	lb ai/a	3	oz/a	PREBUD	A	99	99	69	53	10	0		
7	CORNERSTONE	3 SL		0.75	lb ae/a	32	fl oz/a	PREBUD	A								
7	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	PREBUD	A								
8	MATRIX	25 WG		0.0625	lb ai/a	4	oz/a	PREBUD	A	99	99	99	99	18	0		
8	CORNERSTONE	3 SL		0.75	lb ae/a	32	fl oz/a	PREBUD	A								
8	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	PREBUD	A								
9	MATRIX	25 WG		0.125	lb ai/a	8	oz/a	PREBUD	A	99	99	69	93	99	0		
9	CORNERSTONE	3 SL		0.75	lb ae/a	32	fl oz/a	PREBUD	A								
9	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	PREBUD	A								
10	CHATEAU	51 WG		0.382	lb ai/a	12	oz/a	PREBUD	A	97	99	66	75	37	0		
10	SURFLAN	4 SL		4.0	lb ai/a	4	qt/a	PREBUD	A								
10	CORNERSTONE	3 SL		0.75	lb ae/a	32	fl oz/a	PREBUD	A								
10	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	PREBUD	A								
11	NONTREATED									0	0	0	0	0	0		
12	CHATEAU	51 WG		0.382	lb ai/a	12	oz/a	PREBUD	A	99	99	96	60	7	0		
12	CORNERSTONE	3 SL		0.75	lb ae/a	32	fl oz/a	PREBUD	A								
12	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	PREBUD	A								
LSD (P=.05)										15.1	2.5	59.0	35.5	48.8	0.6	1.4	1.4
Replicate F										1.260	1.000	4.014	5.465	0.230	1.000	1.000	1.000
Replicate Prob(F)										0.3033	0.3840	0.0326	0.0118	0.7967	0.3840	0.5000	0.5000
Treatment F										29.591	1084.000	2.274	8.642	3.305	39022.820	1.000	1.000
Treatment Prob(F)										0.0001	0.0001	0.0486	0.0001	0.0082	0.0001	0.4226	0.4226

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						PLAPR	TRFRE	TRFRE	GGGGG
Weed Code	Crop Code			Control	Control	Control	Control		
Rating Data Type	Rating Unit			Percent	Percent	Percent	Percent		
Rating Date	Trt-Eval Interval			05-15-05	05-15-05	06-14-05	05-15-05		
				30DA-A	30DA-A	60DA-A	30DA-A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code
1	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A
1	KARMEX	80	WG	1.6	lb ai/a	2	lb/a	PREBUD	A
1	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A
1	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A
								94	55 73 79
2	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A
2	KARMEX	80	WG	1.6	lb ai/a	2	lb/a	PREBUD	A
2	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A
2	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A
								93	71 92 86
3	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A
3	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A
3	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A
3	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A
								33	52 53 99
4	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A
4	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A
4	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A
4	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A
								99	93 98 86
5	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A
5	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	PREBUD	A
5	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A
5	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	60-90DA-A	B
5	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	60-90DA-A	B
5	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	60-90DA-A	B
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	60-90DA-A	B
								97	65 78 97
6	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A
6	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	PREBUD	A
6	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A
6	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A
6	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	60-90DA-A	B
6	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	60-90DA-A	B
6	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	60-90DA-A	B
6	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	60-90DA-A	B
								71	91 93 68
7	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A
7	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A
7	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A
								99	79 75 99
8	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A
8	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A
8	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A
								99	95 93 99
9	MATRIX	25	WG	0.125	lb ai/a	8	oz/a	PREBUD	A
9	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A
9	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A
								99	99 92 99
10	CHATEAU	51	WG	0.382	lb ai/a	12	oz/a	PREBUD	A
10	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A
10	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A
								99	20 48 99
11	NONTREATED								
								0	0 0 0
12	CHATEAU	51	WG	0.382	lb ai/a	12	oz/a	PREBUD	A
12	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A
12	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A
								99	63 60 99
LSD (P=.05)								34.4	52.1 37.7 25.8
Replicate F								0.165	0.419 0.326 1.216
Replicate Prob(F)								0.8491	0.6626 0.7250 0.3156
Treatment F								7.545	2.955 4.749 10.393
Treatment Prob(F)								0.0001	0.0147 0.0009 0.0001

Rimsulfuron in Grapes.

Project Code: 05-Boegler Location: Ava, IL
 Investigator: Bryan Young

Weed Code	SETFA	SETFA	SETFA	SETFA	SETFA	ERIAN	ERIAN	TAROF
Crop Code	Control	Control	Control	Control	Control	Control	Control	Control
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit	06-14-05	07-23-05	08-11-05	08-26-05	10-04-05	05-15-05	06-14-05	05-15-05
Rating Date	60DA-A	30 DA-B	118 DA-A	64 DA-B	103 DA-B	30DA-A	60DA-A	30DA-A
Trt-Eval Interval								

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	SETFA	SETFA	SETFA	SETFA	SETFA	ERIAN	ERIAN	TAROF
1	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	91	0	0			86	99	99
1	KARMEX	80	WG	1.6	lb ai/a	2	lb/a	PREBUD	A								
1	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A								
1	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A								
2	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	55	3	0			73	99	99
2	KARMEX	80	WG	1.6	lb ai/a	2	lb/a	PREBUD	A								
2	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A								
2	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A								
3	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	91	0	0			72	99	93
3	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A								
3	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A								
3	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A								
4	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	97	32	0			99	99	99
4	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A								
4	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A								
4	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A								
5	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	94	98	98	95	96	94	99	99
5	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	PREBUD	A								
5	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A								
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A								
5	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	60-90DA-A	B								
5	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	60-90DA-A	B								
5	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	60-90DA-A	B								
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	60-90DA-A	B								
6	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	93	96	98	97	99	99	99	99
6	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	PREBUD	A								
6	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A								
6	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A								
6	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	60-90DA-A	B								
6	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	60-90DA-A	B								
6	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	60-90DA-A	B								
6	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	60-90DA-A	B								
7	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	79	9	0			99	99	99
7	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A								
7	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A								
8	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	88	0	0			98	99	99
8	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A								
8	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A								
9	MATRIX	25	WG	0.125	lb ai/a	8	oz/a	PREBUD	A	97	43	0			99	99	99
9	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A								
9	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A								
10	CHATEAU	51	WG	0.382	lb ai/a	12	oz/a	PREBUD	A	92	38	0			99	99	99
10	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A								
10	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A								
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A								
11	NONTREATED									0	0	0			0	0	0
12	CHATEAU	51	WG	0.382	lb ai/a	12	oz/a	PREBUD	A	87	5	0			99	99	99
12	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A								
12	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A								
LSD (P=.05)										11.7	36.2	0.3	15.2	12.9	29.1	0.0	5.4
Replicate F										0.340	2.360	1.000	0.429	1.000	0.157	0.000	1.000
Replicate Prob(F)										0.7153	0.1179	0.3840	0.7000	0.5000	0.8555	1.0000	0.3840
Treatment F										48.008	8.666	157691.922	0.143	1.000	8.284	0.000	242.504
Treatment Prob(F)										0.0001	0.0001	0.0001	0.7418	0.4226	0.0001	1.0000	0.0001

Rimsulfuron in Grapes.

Project Code: 05-Boegler Location: Ava, IL
 Investigator: Bryan Young

						SOLCA	SOLCA	SOLCA	SOLCA	SOLCA	CHEAL
						Control	Control	Control	Control	Control	Control
						Percent	Percent	Percent	Percent	Percent	Percent
						06-14-05	07-23-05	08-11-05	08-26-05	10-04-05	06-14-05
						60DA-A	30 DA-B	118 DA-A	64 DA-B	103 DA-B	60DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code		
1	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	0	99
1	KARMEX	80	WG	1.6	lb ai/a	2	lb/a	PREBUD	A		
1	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A		
1	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A		
2	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	0	99
2	KARMEX	80	WG	1.6	lb ai/a	2	lb/a	PREBUD	A		
2	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A		
2	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A		
3	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	0	66
3	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A		
3	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A		
3	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A		
4	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	0	99
4	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A		
4	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A		
4	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A		
5	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	0	60
5	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	PREBUD	A	6	
5	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A	96	
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A	92	
5	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	60-90DA-A	B	96	
5	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	60-90DA-A	B		
5	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	60-90DA-A	B		
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	60-90DA-A	B		
6	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	0	66
6	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	PREBUD	A	65	
6	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A	96	
6	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A	95	
6	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	60-90DA-A	B	99	
6	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	60-90DA-A	B		
6	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	60-90DA-A	B		
6	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	60-90DA-A	B		
7	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	0	0
7	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A		
7	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A		
8	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	0	66
8	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A		
8	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A		
9	MATRIX	25	WG	0.125	lb ai/a	8	oz/a	PREBUD	A	33	66
9	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A	33	
9	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A	0	
10	CHATEAU	51	WG	0.382	lb ai/a	12	oz/a	PREBUD	A	5	99
10	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A	0	
10	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A		
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A		
11	NONTREATED									0	0
12	CHATEAU	51	WG	0.382	lb ai/a	12	oz/a	PREBUD	A	5	99
12	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A	32	
12	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A	0	
LSD (P=.05)						29.0	49.1	2.9	2.9	12.9	57.0
Replicate F						0.669	0.317	2.155	13.000	1.000	2.906
Replicate Prob(F)						0.5222	0.7313	0.1398	0.0714	0.5000	0.0759
Treatment F						0.917	1.577	1425.175	25.000	1.000	3.402
Treatment Prob(F)						0.5411	0.1749	0.0001	0.0377	0.4226	0.0070

Rimsulfuron in Grapes.

Project Code: 05-Boegler Location: Ava, IL
 Investigator: Bryan Young

										SIDSP	SIDSP	SIDSP	SIDSP	SIDSP
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	Control Percent	Control Percent	Control Percent	Control Percent	Control Percent
										06-14-05	07-23-05	08-11-05	08-26-05	10-04-05
										60DA-A	30 DA-B	118 DA-A	64 DA-B	103 DA-B
1	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	0	0	0		
1	KARMEX	80	WG	1.6	lb ai/a	2	lb/a	PREBUD	A					
1	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
1	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
2	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	0	0	0		
2	KARMEX	80	WG	1.6	lb ai/a	2	lb/a	PREBUD	A					
2	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
2	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
3	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	0	0	0		
3	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A					
3	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
3	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
4	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	0	0	0		
4	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A					
4	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
4	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
5	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	0	49	0	8	7
5	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	PREBUD	A					
5	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
5	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	60-90DA-A	B					
5	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	60-90DA-A	B					
5	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	60-90DA-A	B					
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	60-90DA-A	B					
6	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	0	16	0	5	5
6	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	PREBUD	A					
6	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
6	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
6	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	60-90DA-A	B					
6	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	60-90DA-A	B					
6	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	60-90DA-A	B					
6	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	60-90DA-A	B					
7	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	0	0	0		
7	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
7	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
8	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	0	0	0		
8	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
8	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
9	MATRIX	25	WG	0.125	lb ai/a	8	oz/a	PREBUD	A	0	0	0		
9	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
9	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
10	CHATEAU	51	WG	0.382	lb ai/a	12	oz/a	PREBUD	A	63	67	0		
10	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A					
10	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
11	NONTREATED									0	0	0		
12	CHATEAU	51	WG	0.382	lb ai/a	12	oz/a	PREBUD	A	33	27	0		
12	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
12	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
LSD (P=.05)										37.8	25.4	0.0	14.3	7.2
Replicate F										1.571	1.333	0.000	16.000	49.000
Replicate Prob(F)										0.2303	0.2841	1.0000	0.0588	0.0200
Treatment F										2.364	6.964	0.000	1.000	1.000
Treatment Prob(F)										0.0413	0.0001	1.0000	0.4226	0.4226

Rimsulfuron in Grapes.

Project Code: 05-Boegler Location: Ava, IL
 Investigator: Bryan Young

										IPOSS	IPOSS	IPOSS	IPOSS	IPOSS
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	Control Percent	Control Percent	Control Percent	Control Percent	Control Percent
										06-14-05	07-23-05	08-11-05	08-26-05	10-04-05
										60DA-A	30 DA-B	118 DA-A	64 DA-B	103 DA-B
1	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	85	0	0		
1	KARMEX	80	WG	1.6	lb ai/a	2	lb/a	PREBUD	A					
1	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
1	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
2	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	65	0	0		
2	KARMEX	80	WG	1.6	lb ai/a	2	lb/a	PREBUD	A					
2	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
2	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
3	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	67	0	0		
3	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A					
3	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
3	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
4	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	95	0	0		
4	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A					
4	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
4	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
5	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	67	20	93	25	21
5	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	PREBUD	A					
5	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
5	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	60-90DA-A	B					
5	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	60-90DA-A	B					
5	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	60-90DA-A	B					
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	60-90DA-A	B					
6	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	90	92	95	33	26
6	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	PREBUD	A					
6	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
6	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
6	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	60-90DA-A	B					
6	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	60-90DA-A	B					
6	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	60-90DA-A	B					
6	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	60-90DA-A	B					
7	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	83	0	0		
7	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
7	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
8	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	47	0	0		
8	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
8	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
9	MATRIX	25	WG	0.125	lb ai/a	8	oz/a	PREBUD	A	95	0	0		
9	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
9	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
10	CHATEAU	51	WG	0.382	lb ai/a	12	oz/a	PREBUD	A	93	10	0		
10	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A					
10	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
11	NONTREATED									0	0	0		
12	CHATEAU	51	WG	0.382	lb ai/a	12	oz/a	PREBUD	A	58	33	0		
12	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A					
12	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A					
LSD (P=.05)										35.5	28.5	2.4	63.7	51.0
Replicate F										0.352	2.077	1.890	0.165	0.241
Replicate Prob(F)										0.7074	0.1492	0.1748	0.8587	0.8061
Treatment F										5.068	7.765	1973.324	0.316	0.155
Treatment Prob(F)										0.0006	0.0001	0.0001	0.6304	0.7318

Rimsulfuron in Grapes.

Project Code: 05-Boegler Location: Ava, IL
 Investigator: Bryan Young

Weed Code
 Crop Code
 Rating Data Type
 Rating Unit
 Rating Date
 Trt-Eval Interval

VITVI VITVI VITVI VITVI VITVI VITVI
 Injury Injury Injury Injury Injury Injury
 Percent Percent Percent Percent Percent Percent
 05-15-05 06-14-05 07-23-05 08-11-05 08-26-05 10-04-05
 30DA-A 60 DA-A 30 DA-B 118 DA-A 64 DA-B 103 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code						
1	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	1	0	0	0		
1	KARMEX	80	WG	1.6	lb ai/a	2	lb/a	PREBUD	A						
1	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A						
1	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A						
2	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	0	0	0	0		
2	KARMEX	80	WG	1.6	lb ai/a	2	lb/a	PREBUD	A						
2	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A						
2	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A						
3	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	0	0	0	0		
3	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A						
3	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A						
3	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A						
4	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	1	0	0	0		
4	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A						
4	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A						
4	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A						
5	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	2	0	0	0	0	0
5	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	PREBUD	A						
5	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A						
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A						
5	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	60-90DA-A	B						
5	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	60-90DA-A	B						
5	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	60-90DA-A	B						
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	60-90DA-A	B						
6	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	2	0	0	0	0	0
6	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	PREBUD	A						
6	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A						
6	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A						
6	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	60-90DA-A	B						
6	SURFLAN	4	SL	2.0	lb ai/a	2	qt/a	60-90DA-A	B						
6	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	60-90DA-A	B						
6	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	60-90DA-A	B						
7	MATRIX	25	WG	0.0469	lb ai/a	3	oz/a	PREBUD	A	3	0	0	0		
7	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A						
7	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A						
8	MATRIX	25	WG	0.0625	lb ai/a	4	oz/a	PREBUD	A	3	0	0	0		
8	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A						
8	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A						
9	MATRIX	25	WG	0.125	lb ai/a	8	oz/a	PREBUD	A	0	0	0	0		
9	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A						
9	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A						
10	CHATEAU	51	WG	0.382	lb ai/a	12	oz/a	PREBUD	A	1	0	0	0		
10	SURFLAN	4	SL	4.0	lb ai/a	4	qt/a	PREBUD	A						
10	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A						
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A						
11	NONTREATED									0	0	0	0		
12	CHATEAU	51	WG	0.382	lb ai/a	12	oz/a	PREBUD	A	5	0	0	0		
12	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	PREBUD	A						
12	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PREBUD	A						
LSD (P=.05)										5.4	0.0	0.0	0.0	0.0	0.0
Replicate F										0.157	0.000	0.000	0.000	0.000	0.000
Replicate Prob(F)										0.8554	1.0000	1.0000	1.0000	1.0000	1.0000
Treatment F										0.813	0.000	0.000	0.000	0.000	0.000
Treatment Prob(F)										0.6278	1.0000	1.0000	1.0000	1.0000	1.0000

Rimsulfuron in Grapes.

Project Code: 05-Boegler Location: Ava, IL
Investigator: Bryan Young

Trial Comments

1. Protocol: Dupont.
2. Ratings:
 - For treatments with a single application; CI/WC 30, 60, 90 and 120 days after application.
 - For treatments with sequential applications; CI/WC prior to the second application and at 30, 60, 90, and 120 days after the second application.
3. Crop destruct for all Matrix treatments.
4. Application codes; PREBUD = dormant vines, 60-90DA-A = 60 to 90 days after the PREBUD application.
5. For the 60-90DA-A application, wait at least 60 days after the PREBUD application and apply as new weed emergence warrants, but apply to both treatments on the same day.
6. DA-A = Days after PREBUD application. DA-B = Days after 60-90DA-A application.
 - Ratings on 6-14-05 at 60 DA-A were 9 days prior to the 60-90DA-A application.
 - Ratings on 7-23-05 at 30 DA-B were also 99 days after the PREBUD application.
 - Ratings on 8-11-05 at 118 DA-A were also 49 days after the 60-90DA-A application.
7. It was not possible to rate plots after 10-4-05 (103 DA-B) as weeds in the nontreated plots were dying naturally.