

Burndown Programs with Gramoxone Inteon for Glyphosate-Resistant Marestail.

Trial ID: 08-YRC-Syngenta Location: Young Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu  
 City State Zip Country: Murphysboro IL 62966 USA  
 Trial Status: FINAL Initiation Date: 11-17-07

Objectives: Compare burndown activity of fall and spring herbicide programs utilizing Gramoxone Inteon plus residual tank-mix partners to fall and spring herbicide programs utilizing glyphosate plus residual tank-mix partners ahead of soybean.

Crop 1: GLXMA soybean Variety: AG 4404 RR/STS  
 Planting Method: SEEDS Planting Date: 05-06-08  
 Rate, Unit: 185000 S/A Depth, Unit: 1.75 IN  
 Row Spacing, Unit: 30 IN Seed Bed: SLABBY  
 Soil Moisture: ABOVE NORMAL Soil Temp, Unit: 64 F

Pest 1 Type: W Code: ERICA Conyza canadensis (L.) Crong. horseweed  
 Pest Description: glyphosate-resistant marestail  
 Pest 2 Type: W Code: LAMAM Lamium amplexicaule L. henbit  
 Pest 3 Type: W Code: STEME Stellaria media (L.) Vill. chickweed, common  
 Pest 4 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common

Plot Width, Unit: 10 FT Site Type: FIELD  
 Plot Length, Unit: 30 FT Tillage Type: NO-TILL  
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year  
 1. GLXMA 2007

Field Prep./Maintenance: N 0 LB/A, P205 30 LB/A, K20 80 LB/A

% OM: 1.3 Texture: VERY FINE SANDY LOAM  
 pH: 5.6 Soil Name: ALVIN  
 CEC: 6.7 Fert. Level: P1 69 LB/A, K 222 LB/A

	Application Description			
	A	B	C	D
Application Date:	11-17-07	03-29-08	05-10-08	06-23-08
Time of Day:	15:15	8:15	9:00	20:00
Application Method:	Spray	Spray	Spray	Spray
Application Timing:	FALL	SPRING	PRE	POST
Application Placement:	BROFOL	BROFOL	BROFOL	BROFOL
Air Temperature, Unit:	69 F	41 F	57 F	73 F
% Relative Humidity:	38	70	80	55
Wind Velocity, Unit:	1 MPH	4 MPH	4 MPH	0 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Temperature, Unit:	54 F	43 F	65 F	75 F
Soil Moisture:	NORMAL	ABONOR	ABONOR	BELNOR
% Cloud Cover:	15	98	95	0
Crop stage at application:	NA	NA	NA	R1-R2
Height Min, Max (inch):				8 13

	Pest Stage At Each Application			
	A	B	C	D
Application Date:	11-17-07	03-29-08	05-10-08	06-23-08
Weed Code:	ERICA	ERICA	ERICA	ERICA
Stage Majority (leaves):	4	5	12	50
Stage Min, Max:	2 4	2 5	4 25	4 50
Height Majority:	0.5 IN	2 IN	4 IN	24 IN
Height Min, Max:	0.25 0.5	0.25 2	1 6	0.5 24
Density, Unit:	2 FT2	2 FT2	10 FT2	3 FT2
Weed Code:	LAMAM	LAMAM	LAMAM	LAMAM
Stage Majority (leaves):	6	12	25	NA
Stage Min, Max:	2 6	4 12	12 30	
Height Majority:	2 IN	4 IN	8 IN	
Height Min, Max:	0.5 2	1 4	6 10	
Density, Unit:	1 FT2	2 FT2	3 FT2	FT2
Weed Code:	STEME	STEME	STEME	STEME
Stage Majority (leaves):	6	40	30	NA
Stage Min, Max:	2 6	12 40	20 50	
Height Majority:	0.5 IN	5 IN	6 IN	
Height Min, Max:	0.25 0.5	2 5	5 8	
Density, Unit:	3 FT2	3 FT2	2 FT2	FT2
Weed Code:	AMATA	AMATA	AMATA	AMATA
Stage Majority (leaves):	NA	NA	2	14
Stage Min, Max:			COTY 4	4 16
Height Majority:			0.25 IN	6 IN
Height Min, Max:			0.25 0.5	1 8
Density, Unit:			2 FT2	2 FT2

Burndown Programs with Gramoxone Inteon for Glyphosate-Resistant Marestalk.

Trial ID: 08-YRC-Syngenta

Location: Young Res. Center

**Application Equipment**

<b>Appl. Equipment:</b>	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer
<b>Operating Pressure:</b>	30 PSI	30 PSI	30 PSI	30 PSI
<b>Nozzle Type:</b>	Flat fan	Flat fan	Flat fan	Flat fan
<b>Nozzle Size:</b>	XR 8002	XR 8002	XR 8002	XR 8002
<b>Boom Length, Unit:</b>	7.5 FT	7.5 FT	7.5 FT	7.5 FT
<b>Spray Volume, Unit:</b>	15 GPA	15 GPA	15 GPA	15 GPA

Burndown Programs with Gramoxone Inteon for Glyphosate-Resistant Marestalk.

Trial ID: 08-YRC-Syngenta Location: Young Res. Center

Pest Code		
Crop Code		
Rating Date	GLXMA	GLXMA
Rating Data Type	10-02-08	10-02-08
Rating Unit	Moisture	Yield
Rating Timing	Percent	bu/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	CHECK UNTREATED									12.7 d	13 h
2	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a		533 g ae/ha		FALL	A	16.4 a	33 g
2	NIS	100	LIQ	0.125 % v/v		0.125 % v/v		FALL	A		
2	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a		420 g ai/ha		FALL	A		
2	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a		3.33 % v/v		PRE	C		
2	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a		880 g ae/ha		PRE	C		
2	PREFIX	5.28	EC	32 fl oz/a		1480 g ai/ha		PRE	C		
2	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a		3.33 % v/v		POST	D		
2	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a		880 g ae/ha		POST	D		
3	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a		3.33 % v/v		FALL	A	15.1 abc	48 b-f
3	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16 fl oz/a		585 g ae/ha		FALL	A		
3	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a		533 g ae/ha		FALL	A		
3	PREFIX	5.28	EC	32 fl oz/a		1480 g ai/ha		PRE	C		
3	NIS	100	LIQ	0.125 % v/v		0.125 % v/v		PRE	C		
3	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a		420 g ai/ha		PRE	C		
3	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a		3.33 % v/v		POST	D		
3	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a		880 g ae/ha		POST	D		
4	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a		533 g ae/ha		FALL	A	15.1 abc	48 b-e
4	NIS	100	LIQ	0.125 % v/v		0.125 % v/v		FALL	A		
4	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a		420 g ai/ha		FALL	A		
4	CLASSIC	25	WG	1 oz/a		17.5 g ai/ha		FALL	A		
4	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a		3.33 % v/v		PRE	C		
4	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a		880 g ae/ha		PRE	C		
4	PREFIX	5.28	EC	32 fl oz/a		1480 g ai/ha		PRE	C		
4	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a		3.33 % v/v		POST	D		
4	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a		880 g ae/ha		POST	D		
5	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a		3.33 % v/v		FALL	A	13.7 bcd	50 a-d
5	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16 fl oz/a		585 g ae/ha		FALL	A		
5	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a		533 g ae/ha		FALL	A		
5	CLASSIC	25	WG	1 oz/a		17.5 g ai/ha		FALL	A		
5	PREFIX	5.28	EC	32 fl oz/a		1480 g ai/ha		PRE	C		
5	NIS	100	LIQ	0.125 % v/v		0.125 % v/v		PRE	C		
5	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a		420 g ai/ha		PRE	C		
5	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a		3.33 % v/v		POST	D		
5	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a		880 g ae/ha		POST	D		
6	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a		533 g ae/ha		FALL	A	15.4 abc	39 fg
6	NIS	100	LIQ	0.125 % v/v		0.125 % v/v		FALL	A		
6	ENVOKE 75 WG	75	WG	0.09500 oz/a		5 g ai/ha		FALL	A		
6	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a		420 g ai/ha		FALL	A		
6	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a		3.33 % v/v		PRE	C		
6	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a		880 g ae/ha		PRE	C		
6	PREFIX	5.28	EC	32 fl oz/a		1480 g ai/ha		PRE	C		
6	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a		3.33 % v/v		POST	D		
6	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a		880 g ae/ha		POST	D		
7	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a		3.33 % v/v		FALL	A	13.5 cd	47 c-f
7	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16 fl oz/a		585 g ae/ha		FALL	A		
7	ENVOKE 75 WG	75	WG	0.09500 oz/a		5 g ai/ha		FALL	A		
7	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a		533 g ae/ha		FALL	A		
7	PREFIX	5.28	EC	32 fl oz/a		1480 g ai/ha		PRE	C		
7	NIS	100	LIQ	0.125 % v/v		0.125 % v/v		PRE	C		
7	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a		420 g ai/ha		PRE	C		
7	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a		3.33 % v/v		POST	D		
7	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a		880 g ae/ha		POST	D		
8	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a		533 g ae/ha		FALL	A	14.3 bcd	47 c-f
8	NIS	100	LIQ	0.125 % v/v		0.125 % v/v		FALL	A		
8	CLASSIC	25	WG	1 oz/a		17.5 g ai/ha		FALL	A		
8	REFLEX 2 SL (GFU301)	2	SL	4 fl oz/a		70 g ai/ha		FALL	A		
8	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a		420 g ai/ha		FALL	A		
8	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a		3.33 % v/v		PRE	C		
8	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a		880 g ae/ha		PRE	C		
8	PREFIX	5.28	EC	32 fl oz/a		1480 g ai/ha		PRE	C		
8	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a		3.33 % v/v		POST	D		
8	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a		880 g ae/ha		POST	D		

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Pest Code		
Crop Code		
Rating Date	GLXMA	GLXMA
Rating Data Type	10-02-08	10-02-08
Rating Unit	Moisture	Yield
Rating Timing	Percent	bu/A
Trt-Eval Interval		

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
9	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	FALL	A	13.0	d	49 a-d
9	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	FALL	A			
9	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A			
9	REFLEX 2 SL (GFU301)	2	SL	4	fl oz/a	70	g ai/ha	FALL	A			
9	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A			
9	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C			
9	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C			
9	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C			
9	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D			
9	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D			
10	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A	15.6	ab	43 def
10	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	FALL	A			
10	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A			
10	PEAK 57 WG	57	WG	0.1	oz/a	4	g ai/ha	FALL	A			
10	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	FALL	A			
10	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C			
10	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C			
10	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C			
10	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D			
10	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D			
11	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	FALL	A	14.1	bcd	49 a-d
11	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	FALL	A			
11	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A			
11	PEAK 57 WG	57	WG	0.1	oz/a	4	g ai/ha	FALL	A			
11	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A			
11	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C			
11	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C			
11	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C			
11	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D			
11	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D			
12	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A	13.6	cd	50 a-d
12	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	FALL	A			
12	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	FALL	A			
12	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A			
12	EXPRESS 75 DF	75	WG	0.1	oz/a	5.25	g ai/ha	FALL	A			
12	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C			
12	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C			
12	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C			
12	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D			
12	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D			
13	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	FALL	A	13.0	d	52 abc
13	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	FALL	A			
13	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A			
13	EXPRESS 75 DF	75	WG	0.1	oz/a	5.25	g ai/ha	FALL	A			
13	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A			
13	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C			
13	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C			
13	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C			
13	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D			
13	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D			
14	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B	15.3	abc	40 efg
14	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	SPRING	B			
14	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	SPRING	B			
14	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C			
14	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C			
14	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C			
14	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D			
14	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D			

## Burndown Programs with Gramoxone Inteon for Glyphosate-Resistant Marestalk.

Trial ID: 08-YRC-Syngenta Location: Young Res. Center

Pest Code		
Crop Code		
Rating Date	GLXMA	GLXMA
Rating Data Type	10-02-08	10-02-08
Rating Unit	Moisture	Yield
Rating Timing	Percent	bu/A
Trt-Eval Interval		

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
15	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	SPRING B		13.1 d	58 a
15	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	SPRING B			
15	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING B			
15	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE C			
15	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE C			
15	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE C			
15	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST D			
15	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST D			
16	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING B		14.4 bcd	48 b-e
16	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	SPRING B			
16	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	SPRING B			
16	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING B			
16	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE C			
16	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE C			
16	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE C			
16	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST D			
16	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST D			
17	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	SPRING B		13.6 cd	57 a
17	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	SPRING B			
17	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING B			
17	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING B			
17	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE C			
17	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE C			
17	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE C			
17	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST D			
17	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST D			
18	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING B		12.7 d	57 ab
18	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	SPRING B			
18	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING B			
18	REFLEX 2 SL (GFU301)	2	SL	4	fl oz/a	70	g ai/ha	SPRING B			
18	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	SPRING B			
18	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE C			
18	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE C			
18	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE C			
18	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST D			
18	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST D			
19	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	SPRING B		13.6 cd	56 abc
19	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	SPRING B			
19	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING B			
19	REFLEX 2 SL (GFU301)	2	SL	4	fl oz/a	70	g ai/ha	SPRING B			
19	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING B			
19	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE C			
19	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE C			
19	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE C			
19	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST D			
19	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST D			
20	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING B		13.9 bcd	53 abc
20	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	SPRING B			
20	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	SPRING B			
20	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING B			
20	EXPRESS 75 DF	75	WG	0.1	oz/a	5.25	g ai/ha	SPRING B			
20	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE C			
20	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE C			
20	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE C			
20	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST D			
20	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST D			

Burndown Programs with Gramoxone Inteon for Glyphosate-Resistant Marestalk.

Trial ID: 08-YRC-Syngenta      Location: Young Res. Center

Pest Code		
Crop Code	GLXMA	GLXMA
Rating Date	10-02-08	10-02-08
Rating Data Type	Moisture	Yield
Rating Unit	Percent	bu/A
Rating Timing		
Trt-Eval Interval		

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
21	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	SPRING B		13.6	cd
21	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	SPRING B			55
21	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING B			
21	EXPRESS 75 DF	75	WG	0.1	oz/a	5.25	g ai/ha	SPRING B			
21	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING B			
21	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C		
21	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C		
21	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C		
21	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D		
21	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D		

LSD (P=.05)      1.90      9.1

Replicate F	3.015	10.671
Replicate Prob(F)	0.0603	0.0002
Treatment F	2.363	10.127
Treatment Prob(F)	0.0102	0.0001

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

Burndown Programs with Gramoxone Inteon for Glyphosate-Resistant Marestalk.

Trial ID: 08-YRC-Syngenta Location: Young Res. Center

Pest Code		ERICA-HR												
Crop Code		ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR								
Rating Date		12-01-07	04-05-08	05-06-08	06-06-08	08-04-08								
Rating Data Type		Control	Control	Control	Control	Control								
Rating Unit		Percent	Percent	Percent	Percent	Percent								
Rating Timing				0 DAP										
Trt-Eval Interval		14 DA-A	7 DA-B	38 DA-B	27 DA-C	42 DA-D								
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	CHECK UNTREATED									0 b	0 e	0 h	0 h	0 f
2	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A	99 a	99 a	73 f	85 g	45 e
2	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			FALL	A					
2	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			FALL	A					
2	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			PRE	C					
2	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			PRE	C					
2	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C					
2	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D					
2	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D					
3	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			FALL	A	99 a	99 a	67 g	95 cde	78 bc
3	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16 fl oz/a	585 g ae/ha			FALL	A					
3	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A					
3	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C					
3	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			PRE	C					
3	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			PRE	C					
3	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D					
3	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D					
4	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A	99 a	99 a	97 ab	94 cde	67 cd
4	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			FALL	A					
4	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			FALL	A					
4	CLASSIC	25	WG	1 oz/a	17.5 g ai/ha			FALL	A					
4	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			PRE	C					
4	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			PRE	C					
4	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C					
4	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D					
4	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D					
5	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			FALL	A	99 a	99 a	97 ab	97 abc	83 ab
5	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16 fl oz/a	585 g ae/ha			FALL	A					
5	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A					
5	CLASSIC	25	WG	1 oz/a	17.5 g ai/ha			FALL	A					
5	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C					
5	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			PRE	C					
5	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			PRE	C					
5	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D					
5	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D					
6	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A	99 a	99 a	83 e	94 de	55 de
6	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			FALL	A					
6	ENVOKE 75 WG	75	WG	0.09500 oz/a	5 g ai/ha			FALL	A					
6	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			FALL	A					
6	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			PRE	C					
6	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			PRE	C					
6	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C					
6	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D					
6	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D					
7	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			FALL	A	99 a	99 a	88 de	97 abc	88 ab
7	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16 fl oz/a	585 g ae/ha			FALL	A					
7	ENVOKE 75 WG	75	WG	0.09500 oz/a	5 g ai/ha			FALL	A					
7	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A					
7	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C					
7	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			PRE	C					
7	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			PRE	C					
7	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D					
7	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D					
8	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A	99 a	99 a	97 ab	95 b-e	60 de
8	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			FALL	A					
8	CLASSIC	25	WG	1 oz/a	17.5 g ai/ha			FALL	A					
8	REFLEX 2 SL (GFU301)	2	SL	4 fl oz/a	70 g ai/ha			FALL	A					
8	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			FALL	A					
8	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			PRE	C					
8	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			PRE	C					
8	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C					
8	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D					
8	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D					

Burndown Programs with Gramoxone Inteon for Glyphosate-Resistant Marestalk.

Trial ID: 08-YRC-Syngenta Location: Young Res. Center

Pest Code									ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR	
Crop Code									12-01-07	04-05-08	05-06-08	06-06-08	08-04-08	
Rating Date									Control	Control	Control	Control	Control	
Rating Data Type									Percent	Percent	Percent	Percent	Percent	
Rating Unit									0 DAP					
Rating Timing														
Trt-Eval Interval									14 DA-A	7 DA-B	38 DA-B	27 DA-C	42 DA-D	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
9	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	FALL	A	99 a	99 a	97 ab	97 abc	88 ab
9	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	FALL	A					
9	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A					
9	REFLEX 2 SL (GFU301)	2	SL	4	fl oz/a	70	g ai/ha	FALL	A					
9	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A					
9	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C					
9	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C					
9	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C					
9	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D					
9	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D					
10	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A	99 a	99 a	96 abc	93 e	50 e
10	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	FALL	A					
10	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A					
10	PEAK 57 WG	57	WG	0.1	oz/a	4	g ai/ha	FALL	A					
10	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	FALL	A					
10	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C					
10	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C					
10	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C					
10	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D					
10	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D					
11	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	FALL	A	99 a	99 a	97 ab	97 a-d	77 bc
11	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	FALL	A					
11	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A					
11	PEAK 57 WG	57	WG	0.1	oz/a	4	g ai/ha	FALL	A					
11	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A					
11	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C					
11	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C					
11	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C					
11	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D					
11	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D					
12	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A	99 a	99 a	96 ab	95 cde	67 cd
12	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	FALL	A					
12	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	FALL	A					
12	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A					
12	EXPRESS 75 DF	75	WG	0.1	oz/a	5.25	g ai/ha	FALL	A					
12	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C					
12	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C					
12	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C					
12	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D					
12	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D					
13	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	FALL	A	99 a	99 a	96 abc	97 a-d	87 ab
13	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	FALL	A					
13	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A					
13	EXPRESS 75 DF	75	WG	0.1	oz/a	5.25	g ai/ha	FALL	A					
13	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A					
13	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C					
13	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C					
13	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C					
13	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D					
13	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D					
14	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B		90 a	92 cd	89 f	50 e
14	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	SPRING	B					
14	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	SPRING	B					
14	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C					
14	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C					
14	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C					
14	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D					
14	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D					



Burndown Programs with Gramoxone Inteon for Glyphosate-Resistant Marestalk.

Trial ID: 08-YRC-Syngenta Location: Young Res. Center

Pest Code									ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR	
Crop Code									12-01-07	04-05-08	05-06-08	06-06-08	08-04-08	
Rating Date									Control	Control	Control	Control	Control	
Rating Data Type									Percent	Percent	Percent	Percent	Percent	
Rating Unit									0 DAP					
Rating Timing														
Trt-Eval Interval									14 DA-A	7 DA-B	38 DA-B	27 DA-C	42 DA-D	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
15	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	SPRING	B		50 d	93 bc	97 abc	91 ab
15	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	SPRING	B					
15	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B					
15	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C					
15	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C					
15	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C					
15	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D					
15	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D					
16	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B		95 a	98 a	98 a	91 ab
16	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	SPRING	B					
16	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	SPRING	B					
16	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING	B					
16	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C					
16	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C					
16	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C					
16	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D					
16	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D					
17	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	SPRING	B		60 c	99 a	99 a	95 a
17	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	SPRING	B					
17	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B					
17	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING	B					
17	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C					
17	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C					
17	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C					
17	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D					
17	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D					
18	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B		95 a	98 a	98 ab	95 a
18	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	SPRING	B					
18	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING	B					
18	REFLEX 2 SL (GFU301)	2	SL	4	fl oz/a	70	g ai/ha	SPRING	B					
18	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	SPRING	B					
18	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C					
18	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C					
18	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C					
18	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D					
18	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D					
19	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	SPRING	B		70 b	98 a	99 a	96 a
19	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	SPRING	B					
19	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING	B					
19	REFLEX 2 SL (GFU301)	2	SL	4	fl oz/a	70	g ai/ha	SPRING	B					
19	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B					
19	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C					
19	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C					
19	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C					
19	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D					
19	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D					
20	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B		90 a	98 a	98 a	95 a
20	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	SPRING	B					
20	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	SPRING	B					
20	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING	B					
20	EXPRESS 75 DF	75	WG	0.1	oz/a	5.25	g ai/ha	SPRING	B					
20	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C					
20	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C					
20	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C					
20	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D					
20	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D					

Burndown Programs with Gramoxone Inteon for Glyphosate-Resistant Marestalk.

Trial ID: 08-YRC-Syngenta Location: Young Res. Center

Pest Code	ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR
Crop Code					
Rating Date	12-01-07	04-05-08	05-06-08	06-06-08	08-04-08
Rating Data Type	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent
Rating Timing			0 DAP		
Trt-Eval Interval	14 DA-A	7 DA-B	38 DA-B	27 DA-C	42 DA-D

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR
21	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	SPRING	B		67	bc	98	a
21	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	SPRING	B				99	a
21	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING	B					
21	EXPRESS 75 DF	75	WG	0.1	oz/a	5.25	g ai/ha	SPRING	B					
21	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B					
21	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C					
21	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C					
21	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C					
21	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D					
21	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D					
LSD (P=.05)										0.0	9.1	4.6	2.7	15.1
Replicate F										0.000	1.000	2.922	6.584	0.734
Replicate Prob(F)										1.0000	0.3769	0.0654	0.0034	0.4862
Treatment F										0.000	60.777	185.468	510.633	20.800
Treatment Prob(F)										1.0000	0.0001	0.0001	0.0001	0.0001

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

Burndown Programs with Gramoxone Inteon for Glyphosate-Resistant Marestalk.

Trial ID: 08-YRC-Syngenta Location: Young Res. Center

Pest Code								LAMAM	LAMAM	LAMAM	STEME	STEME	STEME		
Crop Code								12-01-07	04-05-08	05-06-08	12-01-07	04-05-08	05-06-08		
Rating Date								Control	Control	Control	Control	Control	Control		
Rating Data Type								Percent	Percent	Percent	Percent	Percent	Percent		
Rating Unit										0 DAP			0 DAP		
Rating Timing															
Trt-Eval Interval								14 DA-A	7 DA-B	38 DA-B	14 DA-A	7 DA-B	38 DA-B		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	CHECK UNTREATED									0 b	0 d	0 g	0 c	0 g	0 b
2	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A	99 a	99 a	98 abc	99 a	99 a	98 a
2	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			FALL	A						
2	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			FALL	A						
2	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			PRE	C						
2	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			PRE	C						
2	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C						
2	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D						
2	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D						
3	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			FALL	A	98 a	99 a	99 a	99 b	99 a	98 a
3	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16 fl oz/a	585 g ae/ha			FALL	A						
3	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A						
3	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C						
3	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			PRE	C						
3	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			PRE	C						
3	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D						
3	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D						
4	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A	99 a	99 a	99 a	99 a	99 a	99 a
4	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			FALL	A						
4	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			FALL	A						
4	CLASSIC	25	WG	1 oz/a	17.5 g ai/ha			FALL	A						
4	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			PRE	C						
4	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			PRE	C						
4	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C						
4	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D						
4	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D						
5	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			FALL	A	98 a	99 a	99 a	99 a	99 a	99 a
5	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16 fl oz/a	585 g ae/ha			FALL	A						
5	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A						
5	CLASSIC	25	WG	1 oz/a	17.5 g ai/ha			FALL	A						
5	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C						
5	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			PRE	C						
5	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			PRE	C						
5	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D						
5	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D						
6	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A	99 a	99 a	99 a	99 a	99 a	99 a
6	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			FALL	A						
6	ENVOKE 75 WG	75	WG	0.09500 oz/a	5 g ai/ha			FALL	A						
6	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			FALL	A						
6	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			PRE	C						
6	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			PRE	C						
6	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C						
6	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D						
6	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D						
7	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			FALL	A	98 a	99 a	99 a	99 a	99 a	99 a
7	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16 fl oz/a	585 g ae/ha			FALL	A						
7	ENVOKE 75 WG	75	WG	0.09500 oz/a	5 g ai/ha			FALL	A						
7	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A						
7	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C						
7	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			PRE	C						
7	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			PRE	C						
7	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D						
7	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D						
8	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A	99 a	99 a	99 a	99 a	99 a	99 a
8	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			FALL	A						
8	CLASSIC	25	WG	1 oz/a	17.5 g ai/ha			FALL	A						
8	REFLEX 2 SL (GFU301)	2	SL	4 fl oz/a	70 g ai/ha			FALL	A						
8	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			FALL	A						
8	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			PRE	C						
8	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			PRE	C						
8	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C						
8	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D						
8	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D						

Burndown Programs with Gramoxone Inteon for Glyphosate-Resistant Marestalk.

Trial ID: 08-YRC-Syngenta Location: Young Res. Center

Pest Code								LAMAM	LAMAM	LAMAM	STEME	STEME	STEME		
Crop Code								12-01-07	04-05-08	05-06-08	12-01-07	04-05-08	05-06-08		
Rating Date								Control	Control	Control	Control	Control	Control		
Rating Data Type								Percent	Percent	Percent	Percent	Percent	Percent		
Rating Unit										0 DAP			0 DAP		
Rating Timing															
Trt-Eval Interval								14 DA-A	7 DA-B	38 DA-B	14 DA-A	7 DA-B	38 DA-B		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
9	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	FALL	A	99 a	99 a	99 a		99 a	99 a
9	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	FALL	A						
9	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A						
9	REFLEX 2 SL (GFU301)	2	SL	4	fl oz/a	70	g ai/ha	FALL	A						
9	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A						
9	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C						
9	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C						
9	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C						
9	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D						
9	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D						
10	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A	99 a	99 a	99 a		99 a	99 a
10	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	FALL	A						
10	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A						
10	PEAK 57 WG	57	WG	0.1	oz/a	4	g ai/ha	FALL	A						
10	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	FALL	A						
10	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C						
10	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C						
10	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C						
10	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D						
10	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D						
11	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	FALL	A	99 a	99 a	99 a		99 a	99 a
11	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	FALL	A						
11	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A						
11	PEAK 57 WG	57	WG	0.1	oz/a	4	g ai/ha	FALL	A						
11	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A						
11	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C						
11	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C						
11	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C						
11	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D						
11	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D						
12	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A	98 a	99 a	99 a		99 a	99 a
12	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	FALL	A						
12	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	FALL	A						
12	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A						
12	EXPRESS 75 DF	75	WG	0.1	oz/a	5.25	g ai/ha	FALL	A						
12	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C						
12	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C						
12	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C						
12	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D						
12	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D						
13	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	FALL	A	98 a	99 a	99 a		99 a	99 a
13	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	FALL	A						
13	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A						
13	EXPRESS 75 DF	75	WG	0.1	oz/a	5.25	g ai/ha	FALL	A						
13	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A						
13	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C						
13	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C						
13	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C						
13	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D						
13	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D						
14	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B		70 b	94 cd		90 b	98 a
14	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	SPRING	B						
14	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	SPRING	B						
14	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C						
14	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C						
14	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C						
14	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D						
14	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D						

Burndown Programs with Gramoxone Inteon for Glyphosate-Resistant Marestalk.

Trial ID: 08-YRC-Syngenta Location: Young Res. Center

Pest Code								LAMAM	LAMAM	LAMAM	STEME	STEME	STEME
Crop Code								12-01-07	04-05-08	05-06-08	12-01-07	04-05-08	05-06-08
Rating Date								Control	Control	Control	Control	Control	Control
Rating Data Type								Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit										0 DAP			0 DAP
Rating Timing													
Trt-Eval Interval								14 DA-A	7 DA-B	38 DA-B	14 DA-A	7 DA-B	38 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
15	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	SPRING	B				
15	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	SPRING	B	47 c	97 abc	50 f 98 a	
15	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B				
15	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C				
15	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C				
15	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C				
15	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D				
15	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D				
16	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B	68 b	90 e	82 c 98 a	
16	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	SPRING	B				
16	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	SPRING	B				
16	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING	B				
16	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C				
16	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C				
16	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C				
16	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D				
16	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D				
17	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	SPRING	B	47 c	98 ab	47 f 99 a	
17	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	SPRING	B				
17	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B				
17	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING	B				
17	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C				
17	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C				
17	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C				
17	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D				
17	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D				
18	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B	68 b	82 f	78 c 98 a	
18	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	SPRING	B				
18	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING	B				
18	REFLEX 2 SL (GFU301)	2	SL	4	fl oz/a	70	g ai/ha	SPRING	B				
18	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	SPRING	B				
18	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C				
18	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C				
18	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C				
18	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D				
18	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D				
19	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	SPRING	B	50 c	95 bc	57 e 98 a	
19	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	SPRING	B				
19	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING	B				
19	REFLEX 2 SL (GFU301)	2	SL	4	fl oz/a	70	g ai/ha	SPRING	B				
19	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B				
19	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C				
19	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C				
19	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C				
19	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D				
19	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D				
20	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B	65 b	91 de	90 b 98 a	
20	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	SPRING	B				
20	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	SPRING	B				
20	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING	B				
20	EXPRESS 75 DF	75	WG	0.1	oz/a	5.25	g ai/ha	SPRING	B				
20	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C				
20	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C				
20	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C				
20	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D				
20	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D				

Burndown Programs with Gramoxone Inteon for Glyphosate-Resistant Marestalk.

Trial ID: 08-YRC-Syngenta Location: Young Res. Center

Pest Code	LAMAM	LAMAM	LAMAM	STEME	STEME	STEME
Crop Code						
Rating Date	12-01-07	04-05-08	05-06-08	12-01-07	04-05-08	05-06-08
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing			0 DAP			0 DAP
Trt-Eval Interval	14 DA-A	7 DA-B	38 DA-B	14 DA-A	7 DA-B	38 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
21	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	SPRING B	
21	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	SPRING B	
21	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING B	
21	EXPRESS 75 DF	75	WG	0.1	oz/a	5.25	g ai/ha	SPRING B	
21	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING B	
21	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE C	
21	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE C	
21	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE C	
21	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST D	
21	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST D	

LSD (P=.05)	2.3	8.2	3.7	0.3	5.3	1.4
Replicate F	0.165	0.653	0.022	1.000	1.081	1.317
Replicate Prob(F)	0.8487	0.5258	0.9780	0.3827	0.3489	0.2792
Treatment F	1202.266	89.114	277.319	88160.509	198.074	1887.670
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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

Burndown Programs with Gramoxone Inteon for Glyphosate-Resistant Marestalk.

Trial ID: 08-YRC-Syngenta Location: Young Res. Center

Pest Code	AMATA	AMATA	
Crop Code			GLXMA
Rating Date	06-06-08	08-04-08	06-06-08
Rating Data Type	Control	Control	Injury
Rating Unit	Percent	Percent	Percent
Rating Timing			
Trt-Eval Interval	27 DA-C	42 DA-D	27 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	CHECK UNTREATED									0 e	0 c	0 a
2	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A	95 bcd	93 a	0 a
2	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			FALL	A			
2	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			FALL	A			
2	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			PRE	C			
2	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			PRE	C			
2	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C			
2	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D			
2	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D			
3	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			FALL	A	92 d	77 b	0 a
3	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16 fl oz/a	585 g ae/ha			FALL	A			
3	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A			
3	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C			
3	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			PRE	C			
3	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			PRE	C			
3	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D			
3	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D			
4	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A	97 ab	96 a	0 a
4	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			FALL	A			
4	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			FALL	A			
4	CLASSIC	25	WG	1 oz/a	17.5 g ai/ha			FALL	A			
4	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			PRE	C			
4	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			PRE	C			
4	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C			
4	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D			
4	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D			
5	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			FALL	A	97 abc	92 a	0 a
5	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16 fl oz/a	585 g ae/ha			FALL	A			
5	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A			
5	CLASSIC	25	WG	1 oz/a	17.5 g ai/ha			FALL	A			
5	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C			
5	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			PRE	C			
5	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			PRE	C			
5	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D			
5	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D			
6	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A	98 ab	97 a	0 a
6	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			FALL	A			
6	ENVOKE 75 WG	75	WG	0.09500 oz/a	5 g ai/ha			FALL	A			
6	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			FALL	A			
6	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			PRE	C			
6	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			PRE	C			
6	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C			
6	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D			
6	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D			
7	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			FALL	A	97 abc	96 a	0 a
7	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16 fl oz/a	585 g ae/ha			FALL	A			
7	ENVOKE 75 WG	75	WG	0.09500 oz/a	5 g ai/ha			FALL	A			
7	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A			
7	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C			
7	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			PRE	C			
7	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			PRE	C			
7	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D			
7	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D			
8	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16 fl oz/a	533 g ae/ha			FALL	A	97 abc	97 a	0 a
8	NIS	100	LIQ	0.125 % v/v	0.125 % v/v			FALL	A			
8	CLASSIC	25	WG	1 oz/a	17.5 g ai/ha			FALL	A			
8	REFLEX 2 SL (GFU301)	2	SL	4 fl oz/a	70 g ai/ha			FALL	A			
8	GRAMOXONE INTEON 2 SL	2	SL	24 fl oz/a	420 g ai/ha			FALL	A			
8	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			PRE	C			
8	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			PRE	C			
8	PREFIX	5.28	EC	32 fl oz/a	1480 g ai/ha			PRE	C			
8	AMS-SUPREME 3.4 SC	100	LIQ	64 fl oz/a	3.33 % v/v			POST	D			
8	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24 fl oz/a	880 g ae/ha			POST	D			

Burndown Programs with Gramoxone Inteon for Glyphosate-Resistant Marestalk.

Trial ID: 08-YRC-Syngenta Location: Young Res. Center

Pest Code	AMATA	AMATA	
Crop Code			GLXMA
Rating Date	06-06-08	08-04-08	06-06-08
Rating Data Type	Control	Control	Injury
Rating Unit	Percent	Percent	Percent
Rating Timing			
Trt-Eval Interval	27 DA-C	42 DA-D	27 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
9	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	FALL	A	98 ab	95 a	0 a
9	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	FALL	A			
9	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A			
9	REFLEX 2 SL (GFU301)	2	SL	4	fl oz/a	70	g ai/ha	FALL	A			
9	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A			
9	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C			
9	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C			
9	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C			
9	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D			
9	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D			
10	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A	95 a-d	94 a	0 a
10	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	FALL	A			
10	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A			
10	PEAK 57 WG	57	WG	0.1	oz/a	4	g ai/ha	FALL	A			
10	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	FALL	A			
10	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C			
10	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C			
10	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C			
10	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D			
10	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D			
11	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	FALL	A	97 abc	93 a	0 a
11	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	FALL	A			
11	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A			
11	PEAK 57 WG	57	WG	0.1	oz/a	4	g ai/ha	FALL	A			
11	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A			
11	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C			
11	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C			
11	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C			
11	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D			
11	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D			
12	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A	97 ab	93 a	0 a
12	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	FALL	A			
12	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	FALL	A			
12	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A			
12	EXPRESS 75 DF	75	WG	0.1	oz/a	5.25	g ai/ha	FALL	A			
12	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C			
12	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C			
12	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C			
12	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D			
12	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D			
13	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	FALL	A	97 ab	95 a	0 a
13	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	FALL	A			
13	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	FALL	A			
13	EXPRESS 75 DF	75	WG	0.1	oz/a	5.25	g ai/ha	FALL	A			
13	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	FALL	A			
13	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C			
13	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C			
13	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C			
13	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D			
13	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D			
14	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B	95 bcd	90 a	0 a
14	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	SPRING	B			
14	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	SPRING	B			
14	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE	C			
14	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE	C			
14	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C			
14	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D			
14	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D			



## Burndown Programs with Gramoxone Inteon for Glyphosate-Resistant Mareetail.

Trial ID: 08-YRC-Syngenta Location: Young Res. Center

Pest Code	AMATA	AMATA	
Crop Code			GLXMA
Rating Date	06-06-08	08-04-08	06-06-08
Rating Data Type	Control	Control	Injury
Rating Unit	Percent	Percent	Percent
Rating Timing			
Trt-Eval Interval	27 DA-C	42 DA-D	27 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
15	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	SPRING B		93	cd	92 a	0 a
15	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	SPRING B					
15	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING B					
15	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE C					
15	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE C					
15	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE C					
15	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST D					
15	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST D					
16	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING B		98	ab	96 a	0 a
16	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	SPRING B					
16	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	SPRING B					
16	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING B					
16	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE C					
16	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE C					
16	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE C					
16	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST D					
16	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST D					
17	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	SPRING B		97	ab	95 a	0 a
17	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	SPRING B					
17	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING B					
17	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING B					
17	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE C					
17	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE C					
17	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE C					
17	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST D					
17	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST D					
18	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING B		99	ab	96 a	0 a
18	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	SPRING B					
18	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING B					
18	REFLEX 2 SL (GFU301)	2	SL	4	fl oz/a	70	g ai/ha	SPRING B					
18	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	SPRING B					
18	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE C					
18	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE C					
18	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE C					
18	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST D					
18	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST D					
19	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	SPRING B		99	a	95 a	0 a
19	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	SPRING B					
19	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING B					
19	REFLEX 2 SL (GFU301)	2	SL	4	fl oz/a	70	g ai/ha	SPRING B					
19	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING B					
19	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE C					
19	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE C					
19	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE C					
19	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST D					
19	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST D					
20	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING B		98	ab	90 a	0 a
20	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	SPRING B					
20	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	SPRING B					
20	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING B					
20	EXPRESS 75 DF	75	WG	0.1	oz/a	5.25	g ai/ha	SPRING B					
20	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	PRE C					
20	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	PRE C					
20	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE C					
20	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST D					
20	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST D					

Burndown Programs with Gramoxone Inteon for Glyphosate-Resistant Marestalk.

Trial ID: 08-YRC-Syngenta Location: Young Res. Center

Pest Code	AMATA	AMATA	
Crop Code			GLXMA
Rating Date	06-06-08	08-04-08	06-06-08
Rating Data Type	Control	Control	Injury
Rating Unit	Percent	Percent	Percent
Rating Timing			
Trt-Eval Interval	27 DA-C	42 DA-D	27 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
21	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	SPRING	B	98	ab	94	a	0	a
21	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	16	fl oz/a	585	g ae/ha	SPRING	B						
21	CLASSIC	25	WG	1	oz/a	17.5	g ai/ha	SPRING	B						
21	EXPRESS 75 DF	75	WG	0.1	oz/a	5.25	g ai/ha	SPRING	B						
21	2,4-D ESTER 3.8 EC (AE)	3.8	EC	16	fl oz/a	533	g ae/ha	SPRING	B						
21	PREFIX	5.28	EC	32	fl oz/a	1480	g ai/ha	PRE	C						
21	NIS	100	LIQ	0.125	% v/v	0.125	% v/v	PRE	C						
21	GRAMOXONE INTEON 2 SL	2	SL	24	fl oz/a	420	g ai/ha	PRE	C						
21	AMS-SUPREME 3.4 SC	100	LIQ	64	fl oz/a	3.33	% v/v	POST	D						
21	TOUCHDOWN TOTAL 4.17 SL	4.17	SL	24	fl oz/a	880	g ae/ha	POST	D						
LSD (P=.05)										4.2		11.1		0.0	
Replicate F										0.184		2.637		0.000	
Replicate Prob(F)										0.8330		0.0840		1.0000	
Treatment F										204.936		28.601		0.000	
Treatment Prob(F)										0.0001		0.0001		1.0000	

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

Trial Comments

1. Protocol: Syngenta (PQ 960B4).
2. Ratings: WC 7-14 DA-A and DA-B, prior to planting, prior to POST, 42 DA-D.
3. Yield.
4. Mix products for each treatment in order on protocol.
5. DA-A = Days after FALL application. DA-B = Days after SPRING application. DA-C = Days after PRE application. DA-D = Days after POST application. DAP = Days after planting.  
Ratings on 6-6-08 at 27 DA-C are prior to POST.  
ERICA-HR = Herbicide-resistant marestalk (glyphosate).
6. Harvested 10-2-08, (2) 30 inch rows by 27.5 ft.