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GRAMOXONE 3SL AND GRAMOXONE MAGNUM FOR BURNDOWN WEED CONTROL
NON-CROP (BARE-GROUND)

Trial ID: NC-01-19 Study Dir.: HENRY MCLEAN
Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
Appl. Amount: 15 GAL/AC Mix Size: 1.5 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC								-	101	203	309	407
2	GRAMOXONE	3	SL	2.0	pt/a	POST	A	25.0 mL/mx	1471.3 mL	102	206	302	401
	INDUCE			0.25	% v/v	POST	A	3.75 mL/mx					
3	GRAMOXONE	3	SL	2.71	pt/a	POST	A	33.87 mL/mx	1462.4 mL	103	209	307	403
	INDUCE			0.25	% v/v	POST	A	3.75 mL/mx					
4	GRAMOXONE	3	SL	2.0	pt/a	POST	A	25.0 mL/mx	1469.8 mL	104	212	310	405
	VALOR SX	51	WG	2.0	oz/a	POST	A	1.498 g/mx					
	INDUCE			0.25	% v/v	POST	A	3.75 mL/mx					
5	GRAMOXONE	3	SL	2.0	pt/a	POST	A	25.0 mL/mx	1446.3 mL	105	207	313	410
	ATRAZINE	4	L	32.0	oz/a	POST	A	25.0 mL/mx					
	INDUCE			0.25	% v/v	POST	A	3.75 mL/mx					
6	GRAMOXONE	3	SL	2.0	pt/a	POST	A	25.0 mL/mx	1446.3 mL	106	213	312	409
	DIURON	4	L	32.0	oz/a	POST	A	25.0 mL/mx					
	INDUCE			0.25	% v/v	POST	A	3.75 mL/mx					
7	GRAMOXONE	3	SL	2.0	pt/a	POST	A	25.0 mL/mx	1465.0 mL	107	210	311	412
	TRICOR	4	L	8.0	oz/a	POST	A	6.249 mL/mx					
	INDUCE			0.25	% v/v	POST	A	3.75 mL/mx					
8	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	49.99 mL/mx	1446.3 mL	108	205	304	408
	INDUCE			0.25	% v/v	POST	A	3.75 mL/mx					
9	GRAMOXONE MAGNUM	3.33	EW	5.0	pt/a	POST	A	62.49 mL/mx	1433.8 mL	109	204	306	411
	INDUCE			0.25	% v/v	POST	A	3.75 mL/mx					
10	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	49.99 mL/mx	1444.8 mL	110	211	303	404
	VALOR SX	51	WG	2.0	oz/a	POST	A	1.498 g/mx					
	INDUCE			0.25	% v/v	POST	A	3.75 mL/mx					
11	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	49.99 mL/mx	1421.3 mL	111	208	301	406
	ATRAZINE	4	L	32.0	oz/a	POST	A	25.0 mL/mx					
	INDUCE			0.25	% v/v	POST	A	3.75 mL/mx					
12	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	49.99 mL/mx	1421.3 mL	112	201	305	402
	DIURON	4	L	32.0	oz/a	POST	A	25.0 mL/mx					
	INDUCE			0.25	% v/v	POST	A	3.75 mL/mx					
13	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	49.99 mL/mx	1440.0 mL	113	202	308	413
	TRICOR	4	L	8.0	oz/a	POST	A	6.249 mL/mx					
	INDUCE			0.25	% v/v	POST	A	3.75 mL/mx					

Sort Order: Treatment

Trial Comments

June 25: Total weed cover includes all weeds present (pigweed, radish, annual grass, and annual MG).

SUMMARY:

1) AT 20 DAT, ALL TREATMENTS PROVIDED > 90% CONTROL OF PALMER AMARANTH EXCEPT THE FOLLOWING:

GRAMOXONE 3SL @ 2.0 PT/A AND 2.71 PT/A = 40-48% CONTROL
GRAMOXONE 3SL @ 2.0 PT/A + TRICOR 4L @ 8 OZ/A = 84% CONTROL

2) AT 20 DAT, ALL TREATMENTS PROVIDED > 89% CONTROL OF WILD RADISH EXCEPT THE FOLLOWING:

GRAMOXONE 3SL @ 2.0 PT/A AND 2.71 PT/A = 33% CONTROL
GRAMOXONE 3SL @ 2.0 PT/A + DIURON 4L @ 32 OZ/A = 60% CONTROL
GRAMOXONE MAGNUM 3.33EW @ 4.0 AND 5.0 PT/A = 30% CONTROL
GRAMOXONE MAGNUM 3.33EW @ 4.0 PT/A + DIURON 4L @ 32 OZ/A = 69% CONTROL

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NON-CROP (BARE-GROUND)

Trial ID: NC-01-19 Study Dir.: HENRY MCLEAN
Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: HENRY MCLEAN **Title:** _____
Affiliation: _____ **Postal Code:** _____

Investigator: Eric P. Prostko **Title:** _____
Affiliation: _____ **Postal Code:** _____

Trial Status: E **Initiation Date:** _____ **Country:** _____
City: _____ **State/Prov.:** _____ **Postal Code:** _____
Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

Objective:

Conclusions:

CROP AND PEST DESCRIPTION

Weed 1. AMAPA PALMER AMARANTH **2.** RAPRA WILD RADISH
Weed 3. DIGSP CRABGRASS **4.** _____ _____

Crop 1: _____ _____ **Variety:** _____ **Planting Date:** _____
Planting Method: _____ **Rate:** _____ _____ **Depth:** ____ __
Perennial Age: ____ _____ **Row Spacing:** ____ _____ **Seed Bed:** _____
Soil Temperature: ____ _ **Soil Moisture:** _____ **Emergence Date:** _____

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** RACOBL
Trial Initiation Comments: _____
_____

Previous:	Crops	Pesticides	Year
1.	COTTON	2018	____

MAINTENANCE

Field Prep./Maintenance: _____

No.	Date	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Unit
1.	_____	_____	____	_____	___	_____	_____

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.82 **% Sand:** 96 **% Silt:** 2 **% Clay:** 2
pH: 6.0 **CEC:** 2.9 **Soil Name:** TIFTON **Fertility Level:** GOOD

MOISTURE CONDITIONS

On:	Date	Time	Amount	Unit	Type	Interval	Unit
1.	May-9-19	_____	0.195	IN	RAINFALL	_____	___
2.	May-10-19	_____	0.11	IN	RAINFALL	_____	___
3.	May-11-19	_____	0.65	IN	RAINFALL	_____	___
4.	May-12-19	_____	0.27	IN	RAINFALL	_____	___
5.	May-17-19	_____	0.62	IN	RAINFALL	_____	___
6.	May-20-19	_____	0.3	IN	SPRINKLER - LATERAL MOVE	_____	___
7.	May-30-19	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	___

Overall Moisture Conditions: _____
Closest Weather Station: _____ **Distance:** _____ **Unit:** __

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	May-10-19	_____	_____	_____	_____	_____
Time of Day:	7:00 AM	_____	_____	_____	_____	_____
Application Method:	BROADCAST	_____	_____	_____	_____	_____
Application Timing:	POST	_____	_____	_____	_____	_____
Applic. Placement:	FOLIAGE	_____	_____	_____	_____	_____
Air Temp., Unit:	70 F	____ _	____ _	____ _	____ _	____ _
% Relative Humidity:	97	_____	_____	_____	_____	_____
Wind Velocity, Unit:	1 MPH	____ ____	____ ____	____ ____	____ ____	____ ____
Dew Presence (Y/N):	Y	_	_	_	_	_
Water Hardness:	_____	_____	_____	_____	_____	_____
Soil Temp., Unit:	76 F	____ _	____ _	____ _	____ _	____ _
Soil Moisture:	OPT	_____	_____	_____	_____	_____
% Cloud Cover:	100	_____	_____	_____	_____	_____

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NON-CROP (BARE-GROUND)

Trial ID:	NC-01-19	Study Dir.:	HENRY MCLEAN
Location:	PONDER FARM	Investigator:	Eric P. Prostko

CROP STAGE AT EACH APPLICATION

		A	B	C	D	E	F
Crop 1	**Stage:**						
Stage Scale:							
Height, Unit:							

WEED STAGE AT EACH APPLICATION

		A	B	C	D	E	F
Weed 1	**Stage:** AMAPA 1-6 IN						
Stage Scale:							
Density, Unit:							
Weed 2	**Stage:** RAPRA 1-3 IN						
Stage Scale:							
Density, Unit:							
Weed 3	**Stage:** DIGSP 4-6 IN						
Stage Scale:							
Density, Unit:							
Weed 4	**Stage:**						
Stage Scale:							
Density, Unit:							

APPLICATION EQUIPMENT

		A	B	C	D	E	F
Appl. Equipment:	BACKPACK						
Operating Pressure:	38						
Nozzle Type:	AIXR						
Nozzle Size:	11002						
Nozzle Spacing, Unit:	20 IN						
Nozzles/Row:							
Band Width, Unit:							
Boom Length, Unit:	60 IN						
Boom Height, Unit:	20 IN						
Ground Speed, Unit:	3.5 MPH						
Incorporation Equip.:							
Hours to Incorp.:							
Incorp. Depth, Unit:							
Carrier:	WATER						
Spray Volume, Unit:	15 GPA						
Spray pH:							
Propellant:	CO2						
Tank Mix (Y/N):							

Trt No	**Treatment Application Comment**

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Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	AMAPA ----- Control Percent May-13-19 3 DA-A 1	RAPRA ----- Control Percent May-13-19 3 DA-A 2	DIGSP ----- Control Percent May-13-19 3 DA-A 3	AMAPA ----- Control Percent May-20-19 10 DA-A 4	RAPRA ----- Control Percent May-20-19 10 DA-A 5	AMAPA ----- Control Percent May-30-19 20 DA-A 6
1	NTC							0.0 c	0.0 e	0.0 b	0.0 d	0.0 d	0.0 e
2	GRAMOXONE	3	SL	2.0	pt/a	POST	A	98.0 ab	67.5 d	99.0 a	65.0 c	0.0 d	40.0 d
	INDUCE			0.25	% v/v	POST	A						
3	GRAMOXONE	3	SL	2.71	pt/a	POST	A	98.0 ab	65.0 d	99.0 a	65.0 c	0.0 d	47.5 d
	INDUCE			0.25	% v/v	POST	A						
4	GRAMOXONE	3	SL	2.0	pt/a	POST	A	99.0 a	96.8 a	99.0 a	99.0 a	91.3 a	99.0 a
	VALOR SX	51	WG	2.0	oz/a	POST	A						
	INDUCE			0.25	% v/v	POST	A						
5	GRAMOXONE	3	SL	2.0	pt/a	POST	A	99.0 a	82.5 bc	99.0 a	99.0 a	95.5 a	99.0 a
	ATRAZINE	4	L	32.0	oz/a	POST	A						
	INDUCE			0.25	% v/v	POST	A						
6	GRAMOXONE	3	SL	2.0	pt/a	POST	A	99.0 a	86.3 bc	99.0 a	99.0 a	53.8 c	94.3 ab
	DIURON	4	L	32.0	oz/a	POST	A						
	INDUCE			0.25	% v/v	POST	A						
7	GRAMOXONE	3	SL	2.0	pt/a	POST	A	99.0 a	90.0 ab	99.0 a	98.0 b	93.5 a	83.8 c
	TRICOR	4	L	8.0	oz/a	POST	A						
	INDUCE			0.25	% v/v	POST	A						
8	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	99.0 a	66.3 d	99.0 a	98.0 b	0.0 d	90.5 bc
	INDUCE			0.25	% v/v	POST	A						
9	GRAMOXONE MAGNUM	3.33	EW	5.0	pt/a	POST	A	99.0 a	78.8 c	99.0 a	99.0 a	0.0 d	99.0 a
	INDUCE			0.25	% v/v	POST	A						
10	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	99.0 a	98.0 a	99.0 a	99.0 a	93.8 a	99.0 a
	VALOR SX	51	WG	2.0	oz/a	POST	A						
	INDUCE			0.25	% v/v	POST	A						
11	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	95.5 b	83.8 bc	99.0 a	99.0 a	93.5 a	99.0 a
	ATRAZINE	4	L	32.0	oz/a	POST	A						
	INDUCE			0.25	% v/v	POST	A						
12	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	95.5 b	81.0 c	99.0 a	99.0 a	62.5 b	98.0 ab
	DIURON	4	L	32.0	oz/a	POST	A						
	INDUCE			0.25	% v/v	POST	A						
13	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	99.0 a	85.0 bc	99.0 a	99.0 a	93.8 a	97.0 ab
	TRICOR	4	L	8.0	oz/a	POST	A						
	INDUCE			0.25	% v/v	POST	A						
LSD P=.10								3.49	8.40	.	0.95	5.86	8.08
Standard Deviation								2.92	7.03	0.00	0.80	4.91	6.77
CV								3.22	9.32	0.0	0.92	9.41	8.41
Grand Mean								90.69	75.44	91.38	86.00	52.12	80.46
Bartlett's X2								7.419	14.092	0.00	0.00	16.711	16.864
P(Bartlett's X2)								0.06	0.169	.	.	0.019*	0.01*

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Could not calculate LSD (% mean diff) for columns 3 because error mean square = 0.

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NON-CROP (BARE-GROUND)

Trial ID: NC-01-19 Study Dir.: HENRY MCLEAN
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	RAPRA ----- Control Percent May-30-19 20 DA-A 7	AMAPA ----- Control Percent Jun-25-19 46 DA-A 8	RAPRA ------ Control Percent Jun-25-19 46 DA-A 9	Total Weed Cover Percent Jun-25-19 46 DA-A 10
1	NTC							0.0 f	0.0 d	0.0 e	100.0 a
2	GRAMOXONE	3	SL	2.0	pt/a	POST	A	32.5 e	15.0 cd	0.0 e	100.0 a
	INDUCE			0.25	% v/v	POST	A				
3	GRAMOXONE	3	SL	2.71	pt/a	POST	A	32.5 e	30.0 c	0.0 e	100.0 a
	INDUCE			0.25	% v/v	POST	A				
4	GRAMOXONE	3	SL	2.0	pt/a	POST	A	93.5 ab	97.0 a	93.5 ab	60.0 cd
	VALOR SX	51	WG	2.0	oz/a	POST	A				
	INDUCE			0.25	% v/v	POST	A				
5	GRAMOXONE	3	SL	2.0	pt/a	POST	A	99.0 a	98.0 a	99.0 a	90.0 ab
	ATRAZINE	4	L	32.0	oz/a	POST	A				
	INDUCE			0.25	% v/v	POST	A				
6	GRAMOXONE	3	SL	2.0	pt/a	POST	A	60.0 d	68.8 b	37.3 d	97.5 a
	DIURON	4	L	32.0	oz/a	POST	A				
	INDUCE			0.25	% v/v	POST	A				
7	GRAMOXONE	3	SL	2.0	pt/a	POST	A	93.5 ab	55.0 b	69.8 c	66.3 bcd
	TRICOR	4	L	8.0	oz/a	POST	A				
	INDUCE			0.25	% v/v	POST	A				
8	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	30.0 e	86.3 a	0.0 e	100.0 a
	INDUCE			0.25	% v/v	POST	A				
9	GRAMOXONE MAGNUM	3.33	EW	5.0	pt/a	POST	A	30.0 e	93.5 a	0.0 e	100.0 a
	INDUCE			0.25	% v/v	POST	A				
10	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	89.8 b	99.0 a	93.5 ab	50.0 d
	VALOR SX	51	WG	2.0	oz/a	POST	A				
	INDUCE			0.25	% v/v	POST	A				
11	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	96.0 ab	99.0 a	99.0 a	48.8 d
	ATRAZINE	4	L	32.0	oz/a	POST	A				
	INDUCE			0.25	% v/v	POST	A				
12	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	68.8 c	94.8 a	74.8 bc	76.3 abc
	DIURON	4	L	32.0	oz/a	POST	A				
	INDUCE			0.25	% v/v	POST	A				
13	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	93.5 ab	95.8 a	98.0 a	57.5 cd
	TRICOR	4	L	8.0	oz/a	POST	A				
	INDUCE			0.25	% v/v	POST	A				
LSD P=.10								6.32	17.20	22.91	24.22
Standard Deviation								5.30	14.41	19.19	20.28
CV								8.41	20.1	37.52	25.2
Grand Mean								63.00	71.69	51.13	80.48
Bartlett's X2								9.828	43.171	29.486	14.454
P(Bartlett's X2)								0.277	0.001*	0.001*	0.044*

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Could not calculate LSD (% mean diff) for columns 3 because error mean square = 0.

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NON-CROP (BARE-GROUND)

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Randomized Complete Block (RCB) AOV For AMAPA ----- Control Percent May-13-19 3 DA-A (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	36039.076923			
Replicate	3	10.153846	3.384615	0.396	0.7568
Treatment	12	35721.076923	2976.756410	348.106	0.0001
Error	36	307.846154	8.551282		

Randomized Complete Block (RCB) AOV For RAPRA ------ Control Percent May-13-19 3 DA-A (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	31846.826923			
Replicate	3	99.442308	33.147436	0.670	0.5759
Treatment	12	29967.076923	2497.256410	50.498	0.0001
Error	36	1780.307692	49.452991		

Randomized Complete Block (RCB) AOV For DIGSP ----- Control Percent May-13-19 3 DA-A (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	36188.307692			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	12	36188.307692	3015.692308	0.000	1.0000
Error	36	0.000000	0.000000		

Randomized Complete Block (RCB) AOV For AMAPA ----- Control Percent May-20-19 10 DA-A (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	39696.000000			
Replicate	3	1.230769	0.410256	0.649	0.5889
Treatment	12	39672.000000	3306.000000	5227.055	0.0001
Error	36	22.769231	0.632479		

Randomized Complete Block (RCB) AOV For RAPRA ----- Control Percent May-20-19 10 DA-A (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	97097.307692			
Replicate	3	244.538462	81.512821	3.387	0.0284
Treatment	12	95986.307692	7998.858974	332.339	0.0001
Error	36	866.461538	24.068376		

Randomized Complete Block (RCB) AOV For AMAPA ----- Control Percent May-30-19 20 DA-A (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	49154.923077			
Replicate	3	310.307692	103.435897	2.258	0.0983
Treatment	12	47195.423077	3932.951923	85.852	0.0001
Error	36	1649.192308	45.810897		

Randomized Complete Block (RCB) AOV For RAPRA ----- Control Percent May-30-19 20 DA-A (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	56896.000000			
Replicate	3	122.615385	40.871795	1.457	0.2425
Treatment	12	55763.500000	4646.958333	165.653	0.0001
Error	36	1009.884615	28.052350		

Randomized Complete Block (RCB) AOV For AMAPA ----- Control Percent Jun-25-19 46 DA-A (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	69073.076923			
Replicate	3	1593.384615	531.128205	2.558	0.0703
Treatment	12	60005.076923	5000.423077	24.084	0.0001
Error	36	7474.615385	207.628205		

Randomized Complete Block (RCB) AOV For RAPRA ------ Control Percent Jun-25-19 46 DA-A (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	112924.057692			
Replicate	3	1514.980769	504.993590	1.372	0.2670
Treatment	12	98155.807692	8179.650641	22.218	0.0001
Error	36	13253.269231	368.146368		

Randomized Complete Block (RCB) AOV For Total Weed Cover Percent Jun-25-19 46 DA-A (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	37412.980769			
Replicate	3	1043.750000	347.916667	0.846	0.4780
Treatment	12	21556.730769	1796.394231	4.366	0.0003
Error	36	14812.500000	411.458333		

Weed Code
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
RAPRA = RADISH, WILD / RAPHANUS RAPHANISTRUM L.

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NON-CROP (BARE-GROUND)
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Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6
	Weed Code								AMAPA	RAPRA	DIGSP	AMAPA	RAPRA	AMAPA
	Crop Code								-----	------	-----	-----	-----	-----
	Rating Data Type								Control	Control	Control	Control	Control	Control
	Rating Unit								Percent	Percent	Percent	Percent	Percent	Percent
	Rating Date								May-13-19	May-13-19	May-13-19	May-20-19	May-20-19	May-30-19
	Trt-Eval Interval								3 DA-A	3 DA-A	3 DA-A	10 DA-A	10 DA-A	20 DA-A
1	NTC							101	0.0	0.0	0.0	0.0	0.0	0.0
								203	0.0	0.0	0.0	0.0	0.0	0.0
								309	0.0	0.0	0.0	0.0	0.0	0.0
								407	0.0	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0
2	GRAMOXONE	3	SL	2.0	pt/a	POST	A	102	95.0	75.0	99.0	65.0	0.0	40.0
	INDUCE			0.25	% v/v	POST	A	206	99.0	65.0	99.0	65.0	0.0	50.0
								302	99.0	65.0	99.0	65.0	0.0	40.0
								401	99.0	65.0	99.0	65.0	0.0	30.0
								Mean =	98.0	67.5	99.0	65.0	0.0	40.0
3	GRAMOXONE	3	SL	2.71	pt/a	POST	A	103	95.0	65.0	99.0	65.0	0.0	40.0
	INDUCE			0.25	% v/v	POST	A	209	99.0	65.0	99.0	65.0	0.0	50.0
								307	99.0	65.0	99.0	65.0	0.0	50.0
								403	99.0	65.0	99.0	65.0	0.0	50.0
								Mean =	98.0	65.0	99.0	65.0	0.0	47.5
4	GRAMOXONE	3	SL	2.0	pt/a	POST	A	104	99.0	99.0	99.0	99.0	95.0	99.0
	VALOR SX	51	WG	2.0	oz/a	POST	A	212	99.0	99.0	99.0	99.0	85.0	99.0
	INDUCE			0.25	% v/v	POST	A	310	99.0	99.0	99.0	99.0	90.0	99.0
								405	99.0	90.0	99.0	99.0	95.0	99.0
								Mean =	99.0	96.8	99.0	99.0	91.3	99.0
5	GRAMOXONE	3	SL	2.0	pt/a	POST	A	105	99.0	75.0	99.0	99.0	99.0	99.0
	ATRAZINE	4	L	32.0	oz/a	POST	A	207	99.0	75.0	99.0	99.0	99.0	99.0
	INDUCE			0.25	% v/v	POST	A	313	99.0	95.0	99.0	99.0	85.0	99.0
								410	99.0	85.0	99.0	99.0	99.0	99.0
								Mean =	99.0	82.5	99.0	99.0	95.5	99.0
6	GRAMOXONE	3	SL	2.0	pt/a	POST	A	106	99.0	75.0	99.0	99.0	75.0	99.0
	DIURON	4	L	32.0	oz/a	POST	A	213	99.0	90.0	99.0	99.0	40.0	99.0
	INDUCE			0.25	% v/v	POST	A	312	99.0	95.0	99.0	99.0	50.0	80.0
								409	99.0	85.0	99.0	99.0	50.0	99.0
								Mean =	99.0	86.3	99.0	99.0	53.8	94.3
7	GRAMOXONE	3	SL	2.0	pt/a	POST	A	107	99.0	85.0	99.0	99.0	99.0	90.0
	TRICOR	4	L	8.0	oz/a	POST	A	210	99.0	85.0	99.0	99.0	95.0	95.0
	INDUCE			0.25	% v/v	POST	A	311	99.0	95.0	99.0	95.0	90.0	85.0
								412	99.0	95.0	99.0	99.0	90.0	65.0
								Mean =	99.0	90.0	99.0	98.0	93.5	83.8
8	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	108	99.0	65.0	99.0	95.0	0.0	99.0
	INDUCE			0.25	% v/v	POST	A	205	99.0	65.0	99.0	99.0	0.0	99.0
								304	99.0	65.0	99.0	99.0	0.0	99.0
								408	99.0	70.0	99.0	99.0	0.0	65.0
								Mean =	99.0	66.3	99.0	98.0	0.0	90.5
9	GRAMOXONE MAGNUM	3.33	EW	5.0	pt/a	POST	A	109	99.0	85.0	99.0	99.0	0.0	99.0
	INDUCE			0.25	% v/v	POST	A	204	99.0	75.0	99.0	99.0	0.0	99.0
								306	99.0	70.0	99.0	99.0	0.0	99.0
								411	99.0	85.0	99.0	99.0	0.0	99.0
								Mean =	99.0	78.8	99.0	99.0	0.0	99.0
10	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	110	99.0	99.0	99.0	99.0	95.0	99.0
	VALOR SX	51	WG	2.0	oz/a	POST	A	211	99.0	99.0	99.0	99.0	95.0	99.0
	INDUCE			0.25	% v/v	POST	A	303	99.0	95.0	99.0	99.0	90.0	99.0
								404	99.0	99.0	99.0	99.0	95.0	99.0
								Mean =	99.0	98.0	99.0	99.0	93.8	99.0
11	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	111	99.0	85.0	99.0	99.0	95.0	99.0
	ATRAZINE	4	L	32.0	oz/a	POST	A	208	99.0	85.0	99.0	99.0	99.0	99.0
	INDUCE			0.25	% v/v	POST	A	301	99.0	75.0	99.0	99.0	85.0	99.0
								406	85.0	90.0	99.0	99.0	95.0	99.0
								Mean =	95.5	83.8	99.0	99.0	93.5	99.0
12	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	112	99.0	99.0	99.0	99.0	65.0	95.0
	DIURON	4	L	32.0	oz/a	POST	A	201	85.0	75.0	99.0	99.0	60.0	99.0
	INDUCE			0.25	% v/v	POST	A	305	99.0	75.0	99.0	99.0	60.0	99.0
								402	99.0	75.0	99.0	99.0	65.0	99.0
								Mean =	95.5	81.0	99.0	99.0	62.5	98.0

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GRAMOXONE 3SL AND GRAMOXONE MAGNUM FOR BURNDOWN WEED CONTROL
NON-CROP (BARE-GROUND)

Trial ID: NC-01-19 Study Dir.: HENRY MCLEAN
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6
	Weed Code								AMAPA	RAPRA	DIGSP	AMAPA	RAPRA	AMAPA
	Crop Code								-----	------	-----	-----	-----	-----
	Rating Data Type								Control	Control	Control	Control	Control	Control
	Rating Unit								Percent	Percent	Percent	Percent	Percent	Percent
	Rating Date								May-13-19	May-13-19	May-13-19	May-20-19	May-20-19	May-30-19
	Trt-Eval Interval								3 DA-A	3 DA-A	3 DA-A	10 DA-A	10 DA-A	20 DA-A
13	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	113	99.0	95.0	99.0	99.0	95.0	99.0
	TRICOR	4	L	8.0	oz/a	POST	A	202	99.0	75.0	99.0	99.0	95.0	99.0
	INDUCE			0.25	% v/v	POST	A	308	99.0	95.0	99.0	99.0	90.0	95.0
								413	99.0	75.0	99.0	99.0	95.0	95.0
								Mean =	99.0	85.0	99.0	99.0	93.8	97.0

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GRAMOXONE 3SL AND GRAMOXONE MAGNUM FOR BURNDOWN WEED CONTROL
NON-CROP (BARE-GROUND)
Trial ID: NC-01-19 Study Dir.: HENRY MCLEAN
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	RAPRA ----- Control Percent May-30-19 20 DA-A 7	AMAPA ----- Control Percent Jun-25-19 46 DA-A 8	RAPRA ------ Control Percent Jun-25-19 46 DA-A 9	Total Weed Cover Percent Jun-25-19 46 DA-A 10
1	NTC							101	0.0	0.0	0.0	100.0
								203	0.0	0.0	0.0	100.0
								309	0.0	0.0	0.0	100.0
								407	0.0	0.0	0.0	100.0
								Mean =	0.0	0.0	0.0	100.0
2	GRAMOXONE	3	SL	2.0	pt/a	POST	A	102	40.0	40.0	0.0	100.0
	INDUCE			0.25	% v/v	POST	A	206	30.0	20.0	0.0	100.0
								302	30.0	0.0	0.0	100.0
								401	30.0	0.0	0.0	100.0
								Mean =	32.5	15.0	0.0	100.0
3	GRAMOXONE	3	SL	2.71	pt/a	POST	A	103	40.0	40.0	0.0	100.0
	INDUCE			0.25	% v/v	POST	A	209	30.0	20.0	0.0	100.0
								307	30.0	30.0	0.0	100.0
								403	30.0	30.0	0.0	100.0
								Mean =	32.5	30.0	0.0	100.0
4	GRAMOXONE	3	SL	2.0	pt/a	POST	A	104	90.0	99.0	95.0	60.0
	VALOR SX	51	WG	2.0	oz/a	POST	A	212	90.0	99.0	85.0	75.0
	INDUCE			0.25	% v/v	POST	A	310	95.0	95.0	95.0	20.0
								405	99.0	95.0	99.0	85.0
								Mean =	93.5	97.0	93.5	60.0
5	GRAMOXONE	3	SL	2.0	pt/a	POST	A	105	99.0	99.0	99.0	75.0
	ATRAZINE	4	L	32.0	oz/a	POST	A	207	99.0	99.0	99.0	100.0
	INDUCE			0.25	% v/v	POST	A	313	99.0	95.0	99.0	85.0
								410	99.0	99.0	99.0	100.0
								Mean =	99.0	98.0	99.0	90.0
6	GRAMOXONE	3	SL	2.0	pt/a	POST	A	106	75.0	85.0	99.0	90.0
	DIURON	4	L	32.0	oz/a	POST	A	213	50.0	75.0	0.0	100.0
	INDUCE			0.25	% v/v	POST	A	312	50.0	30.0	0.0	100.0
								409	65.0	85.0	50.0	100.0
								Mean =	60.0	68.8	37.3	97.5
7	GRAMOXONE	3	SL	2.0	pt/a	POST	A	107	99.0	85.0	99.0	40.0
	TRICOR	4	L	8.0	oz/a	POST	A	210	95.0	85.0	95.0	50.0
	INDUCE			0.25	% v/v	POST	A	311	95.0	50.0	85.0	75.0
								412	85.0	0.0	0.0	100.0
								Mean =	93.5	55.0	69.8	66.3
8	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	108	30.0	95.0	0.0	100.0
	INDUCE			0.25	% v/v	POST	A	205	30.0	90.0	0.0	100.0
								304	30.0	95.0	0.0	100.0
								408	30.0	65.0	0.0	100.0
								Mean =	30.0	86.3	0.0	100.0
9	GRAMOXONE MAGNUM	3.33	EW	5.0	pt/a	POST	A	109	30.0	99.0	0.0	100.0
	INDUCE			0.25	% v/v	POST	A	204	30.0	95.0	0.0	100.0
								306	30.0	95.0	0.0	100.0
								411	30.0	85.0	0.0	100.0
								Mean =	30.0	93.5	0.0	100.0
10	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	110	85.0	99.0	95.0	65.0
	VALOR SX	51	WG	2.0	oz/a	POST	A	211	90.0	99.0	85.0	40.0
	INDUCE			0.25	% v/v	POST	A	303	85.0	99.0	95.0	60.0
								404	99.0	99.0	99.0	35.0
								Mean =	89.8	99.0	93.5	50.0
11	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	111	95.0	99.0	99.0	50.0
	ATRAZINE	4	L	32.0	oz/a	POST	A	208	99.0	99.0	99.0	85.0
	INDUCE			0.25	% v/v	POST	A	301	95.0	99.0	99.0	30.0
								406	95.0	99.0	99.0	30.0
								Mean =	96.0	99.0	99.0	48.8
12	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	112	75.0	90.0	99.0	100.0
	DIURON	4	L	32.0	oz/a	POST	A	201	60.0	95.0	50.0	65.0
	INDUCE			0.25	% v/v	POST	A	305	65.0	99.0	75.0	75.0
								402	75.0	95.0	75.0	65.0
								Mean =	68.8	94.8	74.8	76.3

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GRAMOXONE 3SL AND GRAMOXONE MAGNUM FOR BURNDOWN WEED CONTROL
NON-CROP (BARE-GROUND)

Trial ID: NC-01-19 Study Dir.: HENRY MCLEAN
Location: PONDER FARM Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	RAPRA ----- Control Percent May-30-19 20 DA-A 7	AMAPA ----- Control Percent Jun-25-19 46 DA-A 8	RAPRA ------ Control Percent Jun-25-19 46 DA-A 9	Total Weed Cover Percent Jun-25-19 46 DA-A 10
13	GRAMOXONE MAGNUM	3.33	EW	4.0	pt/a	POST	A	113	90.0	95.0	99.0	100.0
	TRICOR	4	L	8.0	oz/a	POST	A	202	99.0	99.0	99.0	15.0
	INDUCE			0.25	% v/v	POST	A	308	95.0	99.0	99.0	15.0
								413	90.0	90.0	95.0	100.0
								Mean =	93.5	95.8	98.0	57.5

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GRAMOXONE 3SL AND GRAMOXONE MAGNUM FOR BURNDOWN WEED CONTROL
NON-CROP (BARE-GROUND)

Trial ID:	NC-01-19	Study Dir.:	HENRY MCLEAN
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Weed Code
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
RAPRA = RADISH, WILD / RAPHANUS RAPHANISTRUM L.