

University of Georgia

WEED CONTROL IN LIBERTY-LINK FIELD CORN

Trial ID: CN-09-19 Study Dir.: "MIGHTY" ABRAHAM FULMER
 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	Rep 2	Rep 3	Rep 4
1	NTC								-	101	211	306	401
2	OUTLOOK	6 EC		12.8 oz/a		PRE	A	9.999 mL/mx	1465.0 mL	102	207	311	403
	ATRAZINE	4 L		32.0 oz/a		PRE	A	25.0 mL/mx					
	LIBERTY	2.34 SL		32.0 oz/a		POST	B	25.0 mL/mx					
	ATRAZINE	4 L		16.0 oz/a		POST	B	12.5 mL/mx					
	AMS			2.0 % v/v		POST	B	30.0 mL/mx					
3	OUTLOOK	6 EC		12.8 oz/a		PRE	A	9.999 mL/mx	1465.0 mL	103	205	308	406
	ATRAZINE	4 L		32.0 oz/a		PRE	A	25.0 mL/mx					
	LIBERTY	2.34 SL		32.0 oz/a		POST	B	25.0 mL/mx					
	ATRAZINE	4 L		16.0 oz/a		POST	B	12.5 mL/mx					
	STATUS	61.1 DG		5.0 oz/a		POST	B	3.745 g/mx					
	AMS			2.0 % v/v		POST	B	30.0 mL/mx					
4	OUTLOOK	6 EC		12.8 oz/a		PRE	A	9.999 mL/mx	1465.0 mL	104	206	301	411
	ATRAZINE	4 L		32.0 oz/a		PRE	A	25.0 mL/mx					
	LIBERTY	2.34 SL		32.0 oz/a		POST	B	25.0 mL/mx					
	ATRAZINE	4 L		16.0 oz/a		POST	B	12.5 mL/mx					
	ARMAZON	2.8 L		1.0 oz/a		POST	B	0.7812 mL/mx					
	AMS			2.0 % v/v		POST	B	30.0 mL/mx					
5	OUTLOOK	6 EC		12.8 oz/a		PRE	A	9.999 mL/mx	1465.0 mL	105	204	309	408
	ATRAZINE	4 L		32.0 oz/a		PRE	A	25.0 mL/mx					
	ROUNDUP PMAX	5.5 SL		32.0 oz/a		POST	B	25.0 mL/mx					
	ATRAZINE	4 L		16.0 oz/a		POST	B	12.5 mL/mx					
	AMS			2.0 % v/v		POST	B	30.0 mL/mx					
6	OUTLOOK	6 EC		12.8 oz/a		PRE	A	9.999 mL/mx	1465.0 mL	106	210	312	404
	ATRAZINE	4 L		32.0 oz/a		PRE	A	25.0 mL/mx					
	ROUNDUP PMAX	5.5 SL		32.0 oz/a		POST	B	25.0 mL/mx					
	ATRAZINE	4 L		16.0 oz/a		POST	B	12.5 mL/mx					
	STATUS	61.1 DG		5.0 oz/a		POST	B	3.745 g/mx					
	AMS			2.0 % v/v		POST	B	30.0 mL/mx					
7	OUTLOOK	6 EC		12.8 oz/a		PRE	A	9.999 mL/mx	1465.0 mL	107	209	302	409
	ATRAZINE	4 L		32.0 oz/a		PRE	A	25.0 mL/mx					
	ROUNDUP PMAX	5.5 SL		32.0 oz/a		POST	B	25.0 mL/mx					
	ATRAZINE	4 L		16.0 oz/a		POST	B	12.5 mL/mx					
	ARMAZON	2.8 L		1.0 oz/a		POST	B	0.7812 mL/mx					
	AMS			2.0 % v/v		POST	B	30.0 mL/mx					
8	ATRAZINE	4 L		32.0 oz/a		PRE	A	25.0 mL/mx	1475 mL	108	201	307	410
	ROUNDUP PMAX	5.5 SL		32.0 oz/a		POST	B	25.0 mL/mx					
	ATRAZINE	4 L		48.0 oz/a		POST	B	37.5 mL/mx					
	PROWL H20	3.8 SC		32.0 oz/a		POST	B	25.0 mL/mx					
9	ATRAZINE	4 L		32.0 oz/a		PRE	A	25.0 mL/mx	1475 mL	109	203	305	412
	ROUNDUP PMAX	5.5 SL		32.0 oz/a		POST	B	25.0 mL/mx					
	LAUDIS	3.5 SC		3.0 oz/a		POST	B	2.343 mL/mx					
	ATRAZINE	4 L		48.0 oz/a		POST	B	37.5 mL/mx					
10	ACURON	3.44 SC		80.0 oz/a		PRE	A	62.49 mL/mx	1437.5 mL	110	202	304	407
11	ATRAZINE	4 L		32.0 oz/a		PRE	A	25.0 mL/mx	1475 mL	111	212	310	405
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a		POST	B	25.0 mL/mx					
	ACURON	3.44 SC		48.0 oz/a		POST	B	37.5 mL/mx					
12	NTC								-	112	208	303	402

Sort Order: Treatment

University of Georgia

WEED CONTROL IN LIBERTY-LINK FIELD CORN

Trial ID: CN-09-19 Study Dir.: "MIGHTY" ABRAHAM FULMER
Location: PONDER FARM Investigator: Eric P. Prostko

Trial Comments

ACURON = ATRAZINE (1.0 LB/GAL) + BICYCLOPYRONE (0.06 LB/GAL) + MESOTRIONE (0.24 LB/GAL) + S-MOC (2.14 LB/GAL)
STATUS = DICAMBA (44%) + DIFLUFENZOPYR (17.1%)

SUMMARY:

- 1) GENERALLY, ALL TREATMENTS PROVIDED AT LEAST 97% CONTROL OF PALMER AMARANTH , ANNUAL GRASSES, AND WILD RADISH ON MAY 20 (48 DAP).
- 2) CORN YIELDS WERE NOT OBTAINED DUE TO SEVERE LODGING CAUSED BY AN EARLIER WIND EVENT.

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 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: "MIGHTY" ABRAHAM FULMER **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.** AGRASS TX PANIC;GOOSE/CROW/CRAB
Weed 3: RAPRA WILD RADISH **4.** _____

Crop 1: ZEAMA CORN **Variety:** PIONEER 1739YHR **Planting Date:** Apr-2-19
Planting Method: MONOSEM **Rate:** 36300 SEED/A **Depth:** 2 IN
Perennial Age: _____ **Row Spacing:** 36 IN **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** NORMAL **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: 800 LBS/A 5-15-30 PPLNT; 125 LBS/A N ON APRIL 22;
 128 LBS/A N ON MAY 1; AXILO MIX5 @ 2 LBS/A - MAY 2

Previous: Crops	Pesticides	Year
1. PEANUT	2018	_____

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.93 **% Sand:** 94 **% Silt:** 4 **% Clay:** 2
pH: 6.0 **CEC:** 3.7 **Soil Name:** TIFTON **Fertility Level:** GOOD

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 Location: PONDER FARM Investigator: Eric P. Prostko

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. Apr-4-19		0.25		IN SPRINKLER - LATERAL MOVE		
2. Apr-4-19		0.02		IN RAIN		
3. Apr-5-19		0.02		IN RAIN		
4. Apr-6-19		0.21		IN RAIN		
5. Apr-9-19		0.17		IN RAIN		
6. Apr-11-19		0.5		IN SPRINKLER - LATERAL MOVE		
7. Apr-14-19		0.83		IN RAIN		
8. Apr-19-19		1.43		IN RAIN		
9. Apr-25-19		0.5		IN SPRINKLER - LATERAL MOVE		
10. Apr-25-19		0.05		IN RAIN		
11. Apr-26-19		0.03		IN RAIN		
12. Apr-29-19		0.5		IN SPRINKLER - LATERAL MOVE		
13. May-6-19		0.75		IN SPRINKLER - LATERAL MOVE		
14. May-9-19		0.195		IN RAIN		
15. May-10-19		0.3		IN SPRINKLER - LATERAL MOVE		
16. May-10-19		0.11		IN RAIN		
17. May-11-19		0.65		IN RAIN		
18. May-12-19		0.27		IN RAIN		
19. May-16-19		0.5		IN SPRINKLER - LATERAL MOVE		
20. May-17-19		0.62		IN RAIN		
21. May-21-19		0.5		IN SPRINKLER - LATERAL MOVE		
22. May-23-19		0.75		IN SPRINKLER - LATERAL MOVE		
23. May-24-19		0.75		IN SPRINKLER - LATERAL MOVE		
24. May-27-19		0.75		IN SPRINKLER - LATERAL MOVE		

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

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	Apr-4-19	Apr-30-19				
Time of Day:	8:00 AM	7:45 AM				
Application Method:	BROADCAST	BROADCAST				
Application Timing:	PRE	POST				
Applic. Placement:	SOIL	FOLIAGE				
Air Temp., Unit:	50 F	61 F				
% Relative Humidity:	46	95				
Wind Velocity, Unit:	2 MPH	0 MPH				
Dew Presence (Y/N):	N	Y				
Water Hardness:	--					
Soil Temp., Unit:	56 F	61 F				
Soil Moisture:	OPTIMUM	OPTIMUM				
% Cloud Cover:	0	0				

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Stage:	ZEAMA					
Stage Scale:		V6				
Height, Unit:		12 IN				

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Weed 1 Stage:	AMAPA	NONE UP				
Stage Scale:						
Density, Unit:						
Weed 2 Stage:	AGRASS	2-3"				
Stage Scale:						
Density, Unit:						
Weed 3 Stage:	RAPRA	1-2"				
Stage Scale:						
Density, Unit:						

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 Location: PONDER FARM Investigator: Eric P. Prostko

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK					
Operating Pressure:	28	32					
Nozzle Type:	AIXR	AIXR					
Nozzle Size:	11002	11002					
Nozzle Spacing, Unit:	15	IN 20	IN				
Nozzles/Row:	2						
Band Width, Unit:							
Boom Length, Unit:	60	IN 60	IN				
Boom Height, Unit:	20	IN 20	IN				
Ground Speed, Unit:	3.5	MPH 3.5	MPH				
Incorporation Equip.:							
Hours to Incorp.:							
Incorp. Depth, Unit:							
Carrier:	WATER	WATER					
Spray Volume, Unit:	15	GPA 15	GPA				
Spray pH:							
Propellant:	CO2	CO2					
Tank Mix (Y/N):	-	-	-	-	-	-	-

Trt No	Treatment Application Comment

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 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						-----	-----	AMAPA	AGRASS	RAPRA	-----	
Crop Code						ZEAMA	ZEAMA	-----	-----	-----	ZEAMA	
Part Rated												
Rating Data Type						Injury	Injury	Control	Control	Control	Injury	
Rating Unit						Percent	Percent	Percent	Percent	Percent	Percent	
Rating Date						Apr-10-19	Apr-16-19	Apr-16-19	Apr-16-19	Apr-16-19	Apr-25-19	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
1	NTC						0.0 -	0.0 -	0.0 c	0.0 d	0.0 c	0.0 -
2	OUTLOOK	6 EC		12.8 oz/a	PRE	A	0.0 -	0.0 -	99.0 a	99.0 a	99.0 a	0.0 -
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	LIBERTY	2.34 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
3	OUTLOOK	6 EC		12.8 oz/a	PRE	A	1.3 -	0.0 -	99.0 a	99.0 a	99.0 a	0.0 -
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	LIBERTY	2.34 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	STATUS	61.1 DG		5.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
4	OUTLOOK	6 EC		12.8 oz/a	PRE	A	0.0 -	0.0 -	99.0 a	97.0 ab	99.0 a	0.0 -
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	LIBERTY	2.34 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	ARMAZON	2.8 L		1.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
5	OUTLOOK	6 EC		12.8 oz/a	PRE	A	1.3 -	0.0 -	99.0 a	99.0 a	99.0 a	0.0 -
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
6	OUTLOOK	6 EC		12.8 oz/a	PRE	A	0.0 -	0.0 -	99.0 a	98.0 ab	99.0 a	0.0 -
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	STATUS	61.1 DG		5.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
7	OUTLOOK	6 EC		12.8 oz/a	PRE	A	0.0 -	0.0 -	74.3 b	98.0 ab	98.0 b	0.0 -
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	ARMAZON	2.8 L		1.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
8	ATRAZINE	4 L		32.0 oz/a	PRE	A	0.0 -	0.0 -	99.0 a	92.0 bc	98.0 b	0.0 -
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		48.0 oz/a	POST	B						
	PROWL H20	3.8 SC		32.0 oz/a	POST	B						
9	ATRAZINE	4 L		32.0 oz/a	PRE	A	0.0 -	0.0 -	99.0 a	88.5 c	99.0 a	0.0 -
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B						
	LAUDIS	3.5 SC		3.0 oz/a	POST	B						
	ATRAZINE	4 L		48.0 oz/a	POST	B						
10	ACURON	3.44 SC		80.0 oz/a	PRE	A	0.0 -	0.0 -	99.0 a	99.0 a	99.0 a	0.0 -
11	ATRAZINE	4 L		32.0 oz/a	PRE	A	1.3 -	0.0 -	99.0 a	93.8 abc	99.0 a	0.0 -
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST	B						
	ACURON	3.44 SC		48.0 oz/a	POST	B						

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 2,6,7,12,13,16 because error mean square = 0.

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WEED CONTROL IN LIBERTY-LINK FIELD CORN

Trial ID: CN-09-19 Study Dir.: "MIGHTY" ABRAHAM FULMER
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	----- ZEAMA	----- ZEAMA	AMAPA -----	AGRASS -----	RAPRA -----	----- ZEAMA
Crop Code						
Part Rated						
Rating Data Type						
Rating Unit	Injury Percent	Injury Percent	Control Percent	Control Percent	Control Percent	Injury Percent
Rating Date	Apr-10-19	Apr-16-19	Apr-16-19	Apr-16-19	Apr-16-19	Apr-25-19
Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	
	1	2	3	4	5	6
12 NTC	0.0 -	0.0 -	0.0 c	0.0 d	0.0 c	0.0 -
LSD P=.10	1.35	.	17.10	6.41	0.93	.
Standard Deviation	1.13	0.00	14.29	5.35	0.78	0.00
CV	361.81	0.0	17.76	6.67	0.95	0.0
Grand Mean	0.31	0.00	80.44	80.27	82.33	0.00
Bartlett's X2	0.00	0.00	0.00	23.165	0.00	0.00
P(Bartlett's X2)	.	.	.	0.001*	.	.

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WEED CONTROL IN LIBERTY-LINK FIELD CORN							AMAPA	AGRASS	RAPRA	-----	-----	AMAPA
Trial ID: CN-09-19 Study Dir.: "MIGHTY" ABRAHAM FULMER							-----	-----	-----	ZEAMA	ZEAMA	-----
Location: PONDER FARM Investigator: Eric P. Prostko							CONTROL	CONTROL	CONTROL	Stunt	Leaf -	Control
Weed Code						PERCENT	PERCENT	PERCENT	Percent	Necrosis	Percent	
Crop Code						Apr-25-19	Apr-25-19	Apr-25-19	May-10-19	May-10-19	May-10-19	
Part Rated												
Rating Data Type												
Rating Unit												
Rating Date												
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
1	NTC						0.0 b	0.0 c	0.0 e	0.0 -	0.0 -	0.0 b
2	OUTLOOK	6 EC		12.8 oz/a	PRE	A	99.0 a	99.0 a	67.5 d	2.5 -	0.0 -	99.0 a
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	LIBERTY	2.34 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
3	OUTLOOK	6 EC		12.8 oz/a	PRE	A	99.0 a	99.0 a	70.0 cd	5.0 -	0.0 -	99.0 a
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	LIBERTY	2.34 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	STATUS	61.1 DG		5.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
4	OUTLOOK	6 EC		12.8 oz/a	PRE	A	99.0 a	99.0 a	86.0 b	2.5 -	0.0 -	99.0 a
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	LIBERTY	2.34 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	ARMAZON	2.8 L		1.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
5	OUTLOOK	6 EC		12.8 oz/a	PRE	A	99.0 a	99.0 a	78.5 bc	1.3 -	0.0 -	99.0 a
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
6	OUTLOOK	6 EC		12.8 oz/a	PRE	A	99.0 a	98.0 a	67.5 d	2.5 -	0.0 -	99.0 a
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	STATUS	61.1 DG		5.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
7	OUTLOOK	6 EC		12.8 oz/a	PRE	A	99.0 a	99.0 a	72.5 cd	2.5 -	0.0 -	99.0 a
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	ARMAZON	2.8 L		1.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
8	ATRAZINE	4 L		32.0 oz/a	PRE	A	99.0 a	73.8 b	72.5 cd	1.3 -	0.0 -	99.0 a
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		48.0 oz/a	POST	B						
	PROWL H20	3.8 SC		32.0 oz/a	POST	B						
9	ATRAZINE	4 L		32.0 oz/a	PRE	A	99.0 a	71.3 b	72.5 cd	0.0 -	0.0 -	99.0 a
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B						
	LAUDIS	3.5 SC		3.0 oz/a	POST	B						
	ATRAZINE	4 L		48.0 oz/a	POST	B						
10	ACURON	3.44 SC		80.0 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	2.5 -	0.0 -	99.0 a
11	ATRAZINE	4 L		32.0 oz/a	PRE	A	99.0 a	74.8 b	70.0 cd	1.3 -	1.3 -	99.0 a
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST	B						
	ACURON	3.44 SC		48.0 oz/a	POST	B						

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
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Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code	AMAPA	AGRASS	RAPRA	----- ZEAMA	----- ZEAMA	AMAPA
Crop Code	-----	-----	-----	-----	-----	-----
Part Rated						
Rating Data Type	CONTROL	CONTROL	CONTROL	Stunt	Leaf -	Control
Rating Unit	PERCENT	PERCENT	PERCENT	Percent	Necrosis	Percent
Rating Date	Apr-25-19	Apr-25-19	Apr-25-19	May-10-19	May-10-19	May-10-19
Trt Treatment	7	8	9	10	11	12
No. Name	Form	Form	Rate	Grow	Appl	Code
12 NTC	Conc	Type	Rate	Unit	Stg	Code
12 NTC	0.0 b	0.0 c	0.0 e	0.0 -	0.0 -	0.0 b
LSD P=.10	.	12.09	10.96	3.66	0.86	.
Standard Deviation	0.00	10.11	9.16	3.06	0.72	0.00
CV	0.0	13.3	14.54	172.76	692.82	0.0
Grand Mean	82.50	75.98	63.00	1.77	0.10	82.50
Bartlett's X2	0.00	10.133	8.003	4.029	0.00	0.00
P(Bartlett's X2)	.	0.017*	0.433	0.854	.	.

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 2,6,7,12,13,16 because error mean square = 0.

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WEED CONTROL IN LIBERTY-LINK FIELD CORN												
Trial ID: CN-09-19 Study Dir.: "MIGHTY" ABRAHAM FULMER												
Location: PONDER FARM Investigator: Eric P. Prostko												
Weed Code						RAPRA	AGRASS	----- ZEAMA	AMAPA	RAPRA	AGRASS	
Crop Code						-----	-----		-----	-----	-----	
Part Rated												
Rating Data Type						Control	Control	Stunting	Control	Control	Control	
Rating Unit						Percent	Percent	Percent	Percent	Percent	Percent	
Rating Date						May-10-19	May-10-19	May-20-19	May-20-19	May-20-19	May-20-19	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code						
							13	14	15	16	17	18
1	NTC						0.0 b	0.0 c	0.0 -	0.0 b	0.0 c	0.0 c
2	OUTLOOK	6 EC		12.8 oz/a	PRE	A	99.0 a	99.0 a	2.5 -	99.0 a	99.0 a	99.0 a
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	LIBERTY	2.34 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
3	OUTLOOK	6 EC		12.8 oz/a	PRE	A	99.0 a	99.0 a	2.5 -	99.0 a	98.0 ab	99.0 a
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	LIBERTY	2.34 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	STATUS	61.1 DG		5.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
4	OUTLOOK	6 EC		12.8 oz/a	PRE	A	99.0 a	99.0 a	2.5 -	99.0 a	97.0 b	99.0 a
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	LIBERTY	2.34 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	ARMAZON	2.8 L		1.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
5	OUTLOOK	6 EC		12.8 oz/a	PRE	A	99.0 a	99.0 a	0.0 -	99.0 a	99.0 a	99.0 a
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
6	OUTLOOK	6 EC		12.8 oz/a	PRE	A	99.0 a	99.0 a	3.8 -	99.0 a	98.0 ab	99.0 a
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	STATUS	61.1 DG		5.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
7	OUTLOOK	6 EC		12.8 oz/a	PRE	A	99.0 a	99.0 a	1.3 -	99.0 a	98.0 ab	99.0 a
	ATRAZINE	4 L		32.0 oz/a	PRE	A						
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		16.0 oz/a	POST	B						
	ARMAZON	2.8 L		1.0 oz/a	POST	B						
	AMS			2.0 % v/v	POST	B						
8	ATRAZINE	4 L		32.0 oz/a	PRE	A	99.0 a	99.0 a	0.0 -	99.0 a	99.0 a	99.0 a
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B						
	ATRAZINE	4 L		48.0 oz/a	POST	B						
	PROWL H20	3.8 SC		32.0 oz/a	POST	B						
9	ATRAZINE	4 L		32.0 oz/a	PRE	A	99.0 a	99.0 a	0.0 -	99.0 a	98.0 ab	99.0 a
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B						
	LAUDIS	3.5 SC		3.0 oz/a	POST	B						
	ATRAZINE	4 L		48.0 oz/a	POST	B						
10	ACURON	3.44 SC		80.0 oz/a	PRE	A	99.0 a	98.0 b	0.0 -	99.0 a	99.0 a	98.0 b
11	ATRAZINE	4 L		32.0 oz/a	PRE	A	99.0 a	99.0 a	0.0 -	99.0 a	98.0 ab	98.0 b
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST	B						
	ACURON	3.44 SC		48.0 oz/a	POST	B						

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 2,6,7,12,13,16 because error mean square = 0.

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WEED CONTROL IN LIBERTY-LINK FIELD CORN						
Trial ID: CN-09-19 Study Dir.: "MIGHTY" ABRAHAM FULMER Location: PONDER FARM Investigator: Eric P. Prostko						
Randomized Complete Block (RCB) AOV For ----- ZEAMA Injury Percent Apr-10-19 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	70.312500				
Replicate	3	14.062500	4.687500	3.667	0.0220	
Treatment	11	14.062500	1.278409	1.000	0.4671	
Error	33	42.187500	1.278409			
Randomized Complete Block (RCB) AOV For ----- ZEAMA Injury Percent Apr-16-19 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	0.000000000000				
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000	
Treatment	11	0.000000000000	0.000000000000	0.000	1.0000	
Error	33	0.000000000000	0.000000000000			
Randomized Complete Block (RCB) AOV For AMAPA ----- Control Percent Apr-16-19 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	71669.812500				
Replicate	3	612.562500	204.187500	1.000	0.4051	
Treatment	11	64319.062500	5847.187500	28.636	0.0001	
Error	33	6738.187500	204.187500			
Randomized Complete Block (RCB) AOV For AGRASS ----- Control Percent Apr-16-19 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	63343.479167				
Replicate	3	56.229167	18.743056	0.654	0.5861	
Treatment	11	62341.729167	5667.429924	197.801	0.0001	
Error	33	945.520833	28.652146			
Randomized Complete Block (RCB) AOV For RAPRA ----- Control Percent Apr-16-19 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	65106.666667				
Replicate	3	4.000000	1.333333	2.200	0.1066	
Treatment	11	65082.666667	5916.606061	9762.401	0.0001	
Error	33	20.000000	0.606061			
Randomized Complete Block (RCB) AOV For ----- ZEAMA Injury Percent Apr-25-19 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	0.000000000000				
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000	
Treatment	11	0.000000000000	0.000000000000	0.000	1.0000	
Error	33	0.000000000000	0.000000000000			
Randomized Complete Block (RCB) AOV For AMAPA ----- CONTROL PERCENT Apr-25-19 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	65340.000000				
Replicate	3	0.000000	0.000000	0.000	1.0000	
Treatment	11	65340.000000	5940.000000	0.000	1.0000	
Error	33	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For AGRASS ----- CONTROL PERCENT Apr-25-19 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	64456.979167				
Replicate	3	130.062500	43.354167	0.425	0.7367	
Treatment	11	60956.729167	5541.520833	54.261	0.0001	
Error	33	3370.187500	102.126894			
Randomized Complete Block (RCB) AOV For RAPRA ----- CONTROL PERCENT Apr-25-19 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	44744.000000				
Replicate	3	324.666667	108.222222	1.290	0.2942	
Treatment	11	41650.000000	3786.363636	45.119	0.0001	
Error	33	2769.333333	83.919192			
Randomized Complete Block (RCB) AOV For ----- ZEAMA Stunt Percent May-10-19 (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	424.479167				
Replicate	3	22.395833	7.465278	0.798	0.5040	
Treatment	11	93.229167	8.475379	0.906	0.5456	
Error	33	308.854167	9.359217			

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WEED CONTROL IN LIBERTY-LINK FIELD CORN						
Trial ID: CN-09-19 Study Dir.: "MIGHTY" ABRAHAM FULMER Location: PONDER FARM Investigator: Eric P. Prostko						
Randomized Complete Block (RCB) AOV For ----- ZEAMA Leaf Necrosis Percent May-10-19 (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	24.479167				
Replicate	3	1.562500	0.520833	1.000	0.4051	
Treatment	11	5.729167	0.520833	1.000	0.4671	
Error	33	17.187500	0.520833			
Randomized Complete Block (RCB) AOV For AMAPA ----- Control Percent May-10-19 (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	65340.000000				
Replicate	3	0.000000	0.000000	0.000	1.0000	
Treatment	11	65340.000000	5940.000000	0.000	1.0000	
Error	33	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For RAPRA ----- Control Percent May-10-19 (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	65340.000000				
Replicate	3	0.000000	0.000000	0.000	1.0000	
Treatment	11	65340.000000	5940.000000	0.000	1.0000	
Error	33	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For AGRASS ----- Control Percent May-10-19 (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	65223.666667				
Replicate	3	1.000000	0.333333	1.000	0.4051	
Treatment	11	65211.666667	5928.333333	17785.002	0.0001	
Error	33	11.000000	0.333333			
Randomized Complete Block (RCB) AOV For ----- ZEAMA Stunting Percent May-20-19 (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	297.916667				
Replicate	3	39.583333	13.194444	2.518	0.0751	
Treatment	11	85.416667	7.765152	1.482	0.1852	
Error	33	172.916667	5.239899			
Randomized Complete Block (RCB) AOV For AMAPA ----- Control Percent May-20-19 (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	65340.000000				
Replicate	3	0.000000	0.000000	0.000	1.0000	
Treatment	11	65340.000000	5940.000000	0.000	1.0000	
Error	33	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For RAPRA ----- Control Percent May-20-19 (Data Column 17)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	64511.666667				
Replicate	3	9.000000	3.000000	1.478	0.2386	
Treatment	11	64435.666667	5857.787879	2885.179	0.0001	
Error	33	67.000000	2.030303			
Randomized Complete Block (RCB) AOV For AGRASS ----- Control Percent May-20-19 (Data Column 18)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	65106.666667				
Replicate	3	1.333333	0.444444	0.647	0.5904	
Treatment	11	65082.666667	5916.606061	8613.883	0.0001	
Error	33	22.666667	0.686869			
Weed Code AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS. RAPRA = RADISH, WILD / RAPHANUS RAPHANISTRUM L. Part Rated Leaf = LEAF / FOLIAGE						

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WEED CONTROL IN LIBERTY-LINK FIELD CORN										
Trial ID: CN-09-19		Study Dir.: "MIGHTY" ABRAHAM FULMER								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code	-----	-----	AMAPA	AGRASS	RAPRA	-----				
Crop Code	ZEAMA	ZEAMA	-----	-----	-----	ZEAMA				
Part Rated										
Rating Data Type			Control	Control	Control	Injury				
Rating Unit			Percent	Percent	Percent	Percent				
Rating Date			Apr-16-19	Apr-16-19	Apr-16-19	Apr-25-19				
Trt Treatment	Form Form	Rate	Grow	Appl						
No. Name	Conc Type	Rate Unit	Stg	Code Plot	1	2	3	4	5	6
1 NTC				101	0.0	0.0	0.0	0.0	0.0	0.0
				211	0.0	0.0	0.0	0.0	0.0	0.0
				306	0.0	0.0	0.0	0.0	0.0	0.0
				401	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 OUTLOOK	6 EC	12.8 oz/a	PRE	A 102	0.0	0.0	99.0	99.0	99.0	0.0
ATRAZINE	4 L	32.0 oz/a	PRE	A 207	0.0	0.0	99.0	99.0	99.0	0.0
LIBERTY	2.34 SL	32.0 oz/a	POST	B 311	0.0	0.0	99.0	99.0	99.0	0.0
ATRAZINE	4 L	16.0 oz/a	POST	B 403	0.0	0.0	99.0	99.0	99.0	0.0
AMS		2.0 % v/v	POST	B						
				Mean =	0.0	0.0	99.0	99.0	99.0	0.0
3 OUTLOOK	6 EC	12.8 oz/a	PRE	A 103	0.0	0.0	99.0	99.0	99.0	0.0
ATRAZINE	4 L	32.0 oz/a	PRE	A 205	0.0	0.0	99.0	99.0	99.0	0.0
LIBERTY	2.34 SL	32.0 oz/a	POST	B 308	0.0	0.0	99.0	99.0	99.0	0.0
ATRAZINE	4 L	16.0 oz/a	POST	B 406	5.0	0.0	99.0	99.0	99.0	0.0
STATUS	61.1 DG	5.0 oz/a	POST	B						
AMS		2.0 % v/v	POST	B						
				Mean =	1.3	0.0	99.0	99.0	99.0	0.0
4 OUTLOOK	6 EC	12.8 oz/a	PRE	A 104	0.0	0.0	99.0	99.0	99.0	0.0
ATRAZINE	4 L	32.0 oz/a	PRE	A 206	0.0	0.0	99.0	99.0	99.0	0.0
LIBERTY	2.34 SL	32.0 oz/a	POST	B 301	0.0	0.0	99.0	95.0	99.0	0.0
ATRAZINE	4 L	16.0 oz/a	POST	B 411	0.0	0.0	99.0	95.0	99.0	0.0
ARMAZON	2.8 L	1.0 oz/a	POST	B						
AMS		2.0 % v/v	POST	B						
				Mean =	0.0	0.0	99.0	97.0	99.0	0.0
5 OUTLOOK	6 EC	12.8 oz/a	PRE	A 105	0.0	0.0	99.0	99.0	99.0	0.0
ATRAZINE	4 L	32.0 oz/a	PRE	A 204	0.0	0.0	99.0	99.0	99.0	0.0
ROUNDUP PMAX	5.5 SL	32.0 oz/a	POST	B 309	0.0	0.0	99.0	99.0	99.0	0.0
ATRAZINE	4 L	16.0 oz/a	POST	B 408	5.0	0.0	99.0	99.0	99.0	0.0
AMS		2.0 % v/v	POST	B						
				Mean =	1.3	0.0	99.0	99.0	99.0	0.0
6 OUTLOOK	6 EC	12.8 oz/a	PRE	A 106	0.0	0.0	99.0	99.0	99.0	0.0
ATRAZINE	4 L	32.0 oz/a	PRE	A 210	0.0	0.0	99.0	95.0	99.0	0.0
ROUNDUP PMAX	5.5 SL	32.0 oz/a	POST	B 312	0.0	0.0	99.0	99.0	99.0	0.0
ATRAZINE	4 L	16.0 oz/a	POST	B 404	0.0	0.0	99.0	99.0	99.0	0.0
STATUS	61.1 DG	5.0 oz/a	POST	B						
AMS		2.0 % v/v	POST	B						
				Mean =	0.0	0.0	99.0	98.0	99.0	0.0
7 OUTLOOK	6 EC	12.8 oz/a	PRE	A 107	0.0	0.0	99.0	99.0	99.0	0.0
ATRAZINE	4 L	32.0 oz/a	PRE	A 209	0.0	0.0	99.0	95.0	99.0	0.0
ROUNDUP PMAX	5.5 SL	32.0 oz/a	POST	B 302	0.0	0.0	0.0	99.0	99.0	0.0
ATRAZINE	4 L	16.0 oz/a	POST	B 409	0.0	0.0	99.0	99.0	95.0	0.0
ARMAZON	2.8 L	1.0 oz/a	POST	B						
AMS		2.0 % v/v	POST	B						
				Mean =	0.0	0.0	74.3	98.0	98.0	0.0
8 ATRAZINE	4 L	32.0 oz/a	PRE	A 108	0.0	0.0	99.0	99.0	99.0	0.0
ROUNDUP PMAX	5.5 SL	32.0 oz/a	POST	B 201	0.0	0.0	99.0	85.0	99.0	0.0
ATRAZINE	4 L	48.0 oz/a	POST	B 307	0.0	0.0	99.0	85.0	99.0	0.0
PROWL H20	3.8 SC	32.0 oz/a	POST	B 410	0.0	0.0	99.0	99.0	95.0	0.0
				Mean =	0.0	0.0	99.0	92.0	98.0	0.0

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WEED CONTROL IN LIBERTY-LINK FIELD CORN

Trial ID: CN-09-19 Study Dir.: "MIGHTY" ABRAHAM FULMER
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						-----	-----	AMAPA	AGRASS	RAPRA	-----			
Crop Code						ZEAMA	ZEAMA	-----	-----	-----	ZEAMA			
Part Rated														
Rating Data Type						Injury	Injury	Control	Control	Control	Injury			
Rating Unit						Percent	Percent	Percent	Percent	Percent	Percent			
Rating Date						Apr-10-19	Apr-16-19	Apr-16-19	Apr-16-19	Apr-16-19	Apr-25-19			
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6
9	ATRAZINE	4 L		32.0 oz/a		PRE	A	109	0.0	0.0	99.0	95.0	99.0	0.0
	ROUNDUP PMAX	5.5 SL		32.0 oz/a		POST	B	203	0.0	0.0	99.0	95.0	99.0	0.0
	LAUDIS	3.5 SC		3.0 oz/a		POST	B	305	0.0	0.0	99.0	99.0	99.0	0.0
	ATRAZINE	4 L		48.0 oz/a		POST	B	412	0.0	0.0	99.0	65.0	99.0	0.0
								Mean =	0.0	0.0	99.0	88.5	99.0	0.0
10	ACURON	3.44 SC		80.0 oz/a		PRE	A	110	0.0	0.0	99.0	99.0	99.0	0.0
								202	0.0	0.0	99.0	99.0	99.0	0.0
								304	0.0	0.0	99.0	99.0	99.0	0.0
								407	0.0	0.0	99.0	99.0	99.0	0.0
								Mean =	0.0	0.0	99.0	99.0	99.0	0.0
11	ATRAZINE	4 L		32.0 oz/a		PRE	A	111	0.0	0.0	99.0	95.0	99.0	0.0
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a		POST	B	212	0.0	0.0	99.0	90.0	99.0	0.0
	ACURON	3.44 SC		48.0 oz/a		POST	B	310	0.0	0.0	99.0	95.0	99.0	0.0
								405	5.0	0.0	99.0	95.0	99.0	0.0
								Mean =	1.3	0.0	99.0	93.8	99.0	0.0
12	NTC							112	0.0	0.0	0.0	0.0	0.0	0.0
								208	0.0	0.0	0.0	0.0	0.0	0.0
								303	0.0	0.0	0.0	0.0	0.0	0.0
								402	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

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WEED CONTROL IN LIBERTY-LINK FIELD CORN

Trial ID: CN-09-19 Study Dir.: "MIGHTY" ABRAHAM FULMER
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						AMAPA	AGRASS	RAPRA	-----	-----	
Crop Code						-----	-----	-----	ZEAMA	ZEAMA	
Part Rated											
Rating Data Type						CONTROL	CONTROL	CONTROL	Stunt	Leaf -	
Rating Unit						PERCENT	PERCENT	PERCENT	Percent	Necrosis	
Rating Date						Apr-25-19	Apr-25-19	Apr-25-19	May-10-19	May-10-19	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code Plot	7	8	9	10	11
1	NTC					101	0.0	0.0	0.0	0.0	0.0
						211	0.0	0.0	0.0	0.0	0.0
						306	0.0	0.0	0.0	0.0	0.0
						401	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0
2	OUTLOOK	6 EC		12.8 oz/a	PRE	A 102	99.0	99.0	65.0	0.0	0.0
	ATRAZINE	4 L		32.0 oz/a	PRE	A 207	99.0	99.0	65.0	10.0	0.0
	LIBERTY	2.34 SL		32.0 oz/a	POST	B 311	99.0	99.0	65.0	0.0	0.0
	ATRAZINE	4 L		16.0 oz/a	POST	B 403	99.0	99.0	75.0	0.0	0.0
	AMS			2.0 % v/v	POST	B					
						Mean =	99.0	99.0	67.5	2.5	0.0
3	OUTLOOK	6 EC		12.8 oz/a	PRE	A 103	99.0	99.0	65.0	0.0	0.0
	ATRAZINE	4 L		32.0 oz/a	PRE	A 205	99.0	99.0	65.0	10.0	0.0
	LIBERTY	2.34 SL		32.0 oz/a	POST	B 308	99.0	99.0	75.0	5.0	0.0
	ATRAZINE	4 L		16.0 oz/a	POST	B 406	99.0	99.0	75.0	5.0	0.0
	STATUS	61.1 DG		5.0 oz/a	POST	B					
	AMS			2.0 % v/v	POST	B					
						Mean =	99.0	99.0	70.0	5.0	0.0
4	OUTLOOK	6 EC		12.8 oz/a	PRE	A 104	99.0	99.0	85.0	0.0	0.0
	ATRAZINE	4 L		32.0 oz/a	PRE	A 206	99.0	99.0	65.0	10.0	0.0
	LIBERTY	2.34 SL		32.0 oz/a	POST	B 301	99.0	99.0	99.0	0.0	0.0
	ATRAZINE	4 L		16.0 oz/a	POST	B 411	99.0	99.0	95.0	0.0	0.0
	ARMAZON	2.8 L		1.0 oz/a	POST	B					
	AMS			2.0 % v/v	POST	B					
						Mean =	99.0	99.0	86.0	2.5	0.0
5	OUTLOOK	6 EC		12.8 oz/a	PRE	A 105	99.0	99.0	65.0	0.0	0.0
	ATRAZINE	4 L		32.0 oz/a	PRE	A 204	99.0	99.0	99.0	0.0	0.0
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B 309	99.0	99.0	75.0	0.0	0.0
	ATRAZINE	4 L		16.0 oz/a	POST	B 408	99.0	99.0	75.0	5.0	0.0
	AMS			2.0 % v/v	POST	B					
						Mean =	99.0	99.0	78.5	1.3	0.0
6	OUTLOOK	6 EC		12.8 oz/a	PRE	A 106	99.0	99.0	65.0	5.0	0.0
	ATRAZINE	4 L		32.0 oz/a	PRE	A 210	99.0	99.0	75.0	5.0	0.0
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B 312	99.0	95.0	65.0	0.0	0.0
	ATRAZINE	4 L		16.0 oz/a	POST	B 404	99.0	99.0	65.0	0.0	0.0
	STATUS	61.1 DG		5.0 oz/a	POST	B					
	AMS			2.0 % v/v	POST	B					
						Mean =	99.0	98.0	67.5	2.5	0.0
7	OUTLOOK	6 EC		12.8 oz/a	PRE	A 107	99.0	99.0	65.0	5.0	0.0
	ATRAZINE	4 L		32.0 oz/a	PRE	A 209	99.0	99.0	65.0	0.0	0.0
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B 302	99.0	99.0	95.0	5.0	0.0
	ATRAZINE	4 L		16.0 oz/a	POST	B 409	99.0	99.0	65.0	0.0	0.0
	ARMAZON	2.8 L		1.0 oz/a	POST	B					
	AMS			2.0 % v/v	POST	B					
						Mean =	99.0	99.0	72.5	2.5	0.0
8	ATRAZINE	4 L		32.0 oz/a	PRE	A 108	99.0	95.0	65.0	0.0	0.0
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B 201	99.0	50.0	65.0	0.0	0.0
	ATRAZINE	4 L		48.0 oz/a	POST	B 307	99.0	65.0	85.0	5.0	0.0
	PROWL H20	3.8 SC		32.0 oz/a	POST	B 410	99.0	85.0	75.0	0.0	0.0
						Mean =	99.0	73.8	72.5	1.3	0.0

University of Georgia

WEED CONTROL IN LIBERTY-LINK FIELD CORN

Trial ID: CN-09-19 Study Dir.: "MIGHTY" ABRAHAM FULMER
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						AMAPA	AGRASS	RAPRA	-----	-----			
Crop Code						-----	-----	-----	ZEAMA	ZEAMA			
Part Rated													
Rating Data Type						CONTROL	CONTROL	CONTROL	Stunt	Leaf -			
Rating Unit						PERCENT	PERCENT	PERCENT	Percent	Necrosis			
Rating Date						Apr-25-19	Apr-25-19	Apr-25-19	May-10-19	Percent			
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	7	8	9	10	11
9	ATRAZINE	4 L		32.0 oz/a		PRE	A	109	99.0	65.0	65.0	0.0	0.0
	ROUNDUP PMAX	5.5 SL		32.0 oz/a		POST	B	203	99.0	85.0	65.0	0.0	0.0
	LAUDIS	3.5 SC		3.0 oz/a		POST	B	305	99.0	85.0	75.0	0.0	0.0
	ATRAZINE	4 L		48.0 oz/a		POST	B	412	99.0	50.0	85.0	0.0	0.0
								Mean =	99.0	71.3	72.5	0.0	0.0
10	ACURON	3.44 SC		80.0 oz/a		PRE	A	110	99.0	99.0	99.0	5.0	0.0
								202	99.0	99.0	99.0	0.0	0.0
								304	99.0	99.0	99.0	0.0	0.0
								407	99.0	99.0	99.0	5.0	0.0
								Mean =	99.0	99.0	99.0	2.5	0.0
11	ATRAZINE	4 L		32.0 oz/a		PRE	A	111	99.0	65.0	85.0	0.0	5.0
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a		POST	B	212	99.0	50.0	65.0	0.0	0.0
	ACURON	3.44 SC		48.0 oz/a		POST	B	310	99.0	85.0	65.0	5.0	0.0
								405	99.0	99.0	65.0	0.0	0.0
								Mean =	99.0	74.8	70.0	1.3	1.3
12	NTC							112	0.0	0.0	0.0	0.0	0.0
								208	0.0	0.0	0.0	0.0	0.0
								303	0.0	0.0	0.0	0.0	0.0
								402	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0

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WEED CONTROL IN LIBERTY-LINK FIELD CORN

Trial ID: CN-09-19 Study Dir.: "MIGHTY" ABRAHAM FULMER
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						AMAPA	RAPRA	AGRASS	-----	AMAPA	
Crop Code						-----	-----	-----	ZEAMA	-----	
Part Rated											
Rating Data Type						Control	Control	Control	Stunting	Control	
Rating Unit						Percent	Percent	Percent	Percent	Percent	
Rating Date						May-10-19	May-10-19	May-10-19	May-20-19	May-20-19	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code Plot	12	13	14	15	16
1	NTC					101	0.0	0.0	0.0	0.0	0.0
						211	0.0	0.0	0.0	0.0	0.0
						306	0.0	0.0	0.0	0.0	0.0
						401	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0
2	OUTLOOK	6 EC		12.8 oz/a	PRE	A 102	99.0	99.0	99.0	0.0	99.0
	ATRAZINE	4 L		32.0 oz/a	PRE	A 207	99.0	99.0	99.0	10.0	99.0
	LIBERTY	2.34 SL		32.0 oz/a	POST	B 311	99.0	99.0	99.0	0.0	99.0
	ATRAZINE	4 L		16.0 oz/a	POST	B 403	99.0	99.0	99.0	0.0	99.0
	AMS			2.0 % v/v	POST	B					
						Mean =	99.0	99.0	99.0	2.5	99.0
3	OUTLOOK	6 EC		12.8 oz/a	PRE	A 103	99.0	99.0	99.0	0.0	99.0
	ATRAZINE	4 L		32.0 oz/a	PRE	A 205	99.0	99.0	99.0	5.0	99.0
	LIBERTY	2.34 SL		32.0 oz/a	POST	B 308	99.0	99.0	99.0	0.0	99.0
	ATRAZINE	4 L		16.0 oz/a	POST	B 406	99.0	99.0	99.0	5.0	99.0
	STATUS	61.1 DG		5.0 oz/a	POST	B					
	AMS			2.0 % v/v	POST	B					
						Mean =	99.0	99.0	99.0	2.5	99.0
4	OUTLOOK	6 EC		12.8 oz/a	PRE	A 104	99.0	99.0	99.0	0.0	99.0
	ATRAZINE	4 L		32.0 oz/a	PRE	A 206	99.0	99.0	99.0	10.0	99.0
	LIBERTY	2.34 SL		32.0 oz/a	POST	B 301	99.0	99.0	99.0	0.0	99.0
	ATRAZINE	4 L		16.0 oz/a	POST	B 411	99.0	99.0	99.0	0.0	99.0
	ARMAZON	2.8 L		1.0 oz/a	POST	B					
	AMS			2.0 % v/v	POST	B					
						Mean =	99.0	99.0	99.0	2.5	99.0
5	OUTLOOK	6 EC		12.8 oz/a	PRE	A 105	99.0	99.0	99.0	0.0	99.0
	ATRAZINE	4 L		32.0 oz/a	PRE	A 204	99.0	99.0	99.0	0.0	99.0
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B 309	99.0	99.0	99.0	0.0	99.0
	ATRAZINE	4 L		16.0 oz/a	POST	B 408	99.0	99.0	99.0	0.0	99.0
	AMS			2.0 % v/v	POST	B					
						Mean =	99.0	99.0	99.0	0.0	99.0
6	OUTLOOK	6 EC		12.8 oz/a	PRE	A 106	99.0	99.0	99.0	5.0	99.0
	ATRAZINE	4 L		32.0 oz/a	PRE	A 210	99.0	99.0	99.0	5.0	99.0
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B 312	99.0	99.0	99.0	0.0	99.0
	ATRAZINE	4 L		16.0 oz/a	POST	B 404	99.0	99.0	99.0	5.0	99.0
	STATUS	61.1 DG		5.0 oz/a	POST	B					
	AMS			2.0 % v/v	POST	B					
						Mean =	99.0	99.0	99.0	3.8	99.0
7	OUTLOOK	6 EC		12.8 oz/a	PRE	A 107	99.0	99.0	99.0	5.0	99.0
	ATRAZINE	4 L		32.0 oz/a	PRE	A 209	99.0	99.0	99.0	0.0	99.0
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B 302	99.0	99.0	99.0	0.0	99.0
	ATRAZINE	4 L		16.0 oz/a	POST	B 409	99.0	99.0	99.0	0.0	99.0
	ARMAZON	2.8 L		1.0 oz/a	POST	B					
	AMS			2.0 % v/v	POST	B					
						Mean =	99.0	99.0	99.0	1.3	99.0
8	ATRAZINE	4 L		32.0 oz/a	PRE	A 108	99.0	99.0	99.0	0.0	99.0
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B 201	99.0	99.0	99.0	0.0	99.0
	ATRAZINE	4 L		48.0 oz/a	POST	B 307	99.0	99.0	99.0	0.0	99.0
	PROWL H20	3.8 SC		32.0 oz/a	POST	B 410	99.0	99.0	99.0	0.0	99.0
						Mean =	99.0	99.0	99.0	0.0	99.0

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WEED CONTROL IN LIBERTY-LINK FIELD CORN

Trial ID: CN-09-19 Study Dir.: "MIGHTY" ABRAHAM FULMER
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						AMAPA	RAPRA	AGRASS	-----	AMAPA			
Crop Code						-----	-----	-----	ZEAMA	-----			
Part Rated													
Rating Data Type						Control	Control	Control	Stunting	Control			
Rating Unit						Percent	Percent	Percent	Percent	Percent			
Rating Date						May-10-19	May-10-19	May-10-19	May-20-19	May-20-19			
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	12	13	14	15	16
9	ATRAZINE	4 L		32.0 oz/a		PRE	A	109	99.0	99.0	99.0	0.0	99.0
	ROUNDUP PMAX	5.5 SL		32.0 oz/a		POST	B	203	99.0	99.0	99.0	0.0	99.0
	LAUDIS	3.5 SC		3.0 oz/a		POST	B	305	99.0	99.0	99.0	0.0	99.0
	ATRAZINE	4 L		48.0 oz/a		POST	B	412	99.0	99.0	99.0	0.0	99.0
								Mean =	99.0	99.0	99.0	0.0	99.0
10	ACURON	3.44 SC		80.0 oz/a		PRE	A	110	99.0	99.0	99.0	0.0	99.0
								202	99.0	99.0	95.0	0.0	99.0
								304	99.0	99.0	99.0	0.0	99.0
								407	99.0	99.0	99.0	0.0	99.0
								Mean =	99.0	99.0	98.0	0.0	99.0
11	ATRAZINE	4 L		32.0 oz/a		PRE	A	111	99.0	99.0	99.0	0.0	99.0
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a		POST	B	212	99.0	99.0	99.0	0.0	99.0
	ACURON	3.44 SC		48.0 oz/a		POST	B	310	99.0	99.0	99.0	0.0	99.0
								405	99.0	99.0	99.0	0.0	99.0
								Mean =	99.0	99.0	99.0	0.0	99.0
12	NTC							112	0.0	0.0	0.0	0.0	0.0
								208	0.0	0.0	0.0	0.0	0.0
								303	0.0	0.0	0.0	0.0	0.0
								402	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0

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WEED CONTROL IN LIBERTY-LINK FIELD CORN

Trial ID: CN-09-19 Study Dir.: "MIGHTY" ABRAHAM FULMER
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						RAPRA	AGRASS	
Crop Code						-----	-----	
Part Rated								
Rating Data Type						Control	Control	
Rating Unit						Percent	Percent	
Rating Date						May-20-19	May-20-19	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code Plot		
							17	18
1	NTC					101	0.0	
						211	0.0	
						306	0.0	
						401	0.0	
						Mean =	0.0	
2	OUTLOOK	6 EC		12.8 oz/a	PRE	A 102	99.0	
	ATRAZINE	4 L		32.0 oz/a	PRE	A 207	99.0	
	LIBERTY	2.34 SL		32.0 oz/a	POST	B 311	99.0	
	ATRAZINE	4 L		16.0 oz/a	POST	B 403	99.0	
	AMS			2.0 % v/v	POST	B		
						Mean =	99.0	
3	OUTLOOK	6 EC		12.8 oz/a	PRE	A 103	99.0	
	ATRAZINE	4 L		32.0 oz/a	PRE	A 205	99.0	
	LIBERTY	2.34 SL		32.0 oz/a	POST	B 308	95.0	
	ATRAZINE	4 L		16.0 oz/a	POST	B 406	99.0	
	STATUS	61.1 DG		5.0 oz/a	POST	B		
	AMS			2.0 % v/v	POST	B		
						Mean =	98.0	
4	OUTLOOK	6 EC		12.8 oz/a	PRE	A 104	99.0	
	ATRAZINE	4 L		32.0 oz/a	PRE	A 206	95.0	
	LIBERTY	2.34 SL		32.0 oz/a	POST	B 301	95.0	
	ATRAZINE	4 L		16.0 oz/a	POST	B 411	99.0	
	ARMAZON	2.8 L		1.0 oz/a	POST	B		
	AMS			2.0 % v/v	POST	B		
						Mean =	97.0	
5	OUTLOOK	6 EC		12.8 oz/a	PRE	A 105	99.0	
	ATRAZINE	4 L		32.0 oz/a	PRE	A 204	99.0	
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B 309	99.0	
	ATRAZINE	4 L		16.0 oz/a	POST	B 408	99.0	
	AMS			2.0 % v/v	POST	B		
						Mean =	99.0	
6	OUTLOOK	6 EC		12.8 oz/a	PRE	A 106	99.0	
	ATRAZINE	4 L		32.0 oz/a	PRE	A 210	99.0	
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B 312	99.0	
	ATRAZINE	4 L		16.0 oz/a	POST	B 404	95.0	
	STATUS	61.1 DG		5.0 oz/a	POST	B		
	AMS			2.0 % v/v	POST	B		
						Mean =	98.0	
7	OUTLOOK	6 EC		12.8 oz/a	PRE	A 107	99.0	
	ATRAZINE	4 L		32.0 oz/a	PRE	A 209	95.0	
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B 302	99.0	
	ATRAZINE	4 L		16.0 oz/a	POST	B 409	99.0	
	ARMAZON	2.8 L		1.0 oz/a	POST	B		
	AMS			2.0 % v/v	POST	B		
						Mean =	98.0	
8	ATRAZINE	4 L		32.0 oz/a	PRE	A 108	99.0	
	ROUNDUP PMAX	5.5 SL		32.0 oz/a	POST	B 201	99.0	
	ATRAZINE	4 L		48.0 oz/a	POST	B 307	99.0	
	PROWL H20	3.8 SC		32.0 oz/a	POST	B 410	99.0	
						Mean =	99.0	

University of Georgia

WEED CONTROL IN LIBERTY-LINK FIELD CORN

Trial ID: CN-09-19 Study Dir.: "MIGHTY" ABRAHAM FULMER
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

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

Part Rated

Leaf = LEAF / FOLIAGE