

University of Georgia

SHIELDEX FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-14-20 Study Dir.: JAY TURNER
Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 3 Plots: 6 by 25 feet
Appl. Amount: 15 GAL/AC Mix Size: 1.5 L (total for 3 plots; minimum=0.5866 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
1	NTC							-	101	209	314
2	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A	41.4 mL/mx	1458.6 mL	102	205	301
3	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A	41.4 mL/mx	1458.6 mL	103	206	312
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B	0.7812 mL/mx	1471.7 mL			
	ATRAZINE	4 L		16.0 oz/a	POST	B	12.5 mL/mx				
	AGRIDEX			1.0 % v/v	POST	B	15.0 mL/mx				
4	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A	41.4 mL/mx	1458.6 mL	104	202	304
	IMPACT	2.8 SC		1.0 oz/a	POST	B	0.7812 mL/mx	1471.7 mL			
	ATRAZINE	4 L		16.0 oz/a	POST	B	12.5 mL/mx				
	AGRIDEX			1.0 % v/v	POST	B	15.0 mL/mx				
5	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A	41.4 mL/mx	1458.6 mL	105	212	305
	LAUDIS	3.5 SC		3.0 oz/a	POST	B	2.343 mL/mx	1470.2 mL			
	ATRAZINE	4 L		16.0 oz/a	POST	B	12.5 mL/mx				
	AGRIDEX			1.0 % v/v	POST	B	15.0 mL/mx				
6	SL-575D	6.49 EC		30.0 oz/a	PRE	A	23.43 mL/mx	1464.1 mL	106	204	313
	ATRAZINE	4 L		16.0 oz/a	PRE	A	12.5 mL/mx				
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B	0.7812 mL/mx	1471.7 mL			
	ATRAZINE	4 L		16.0 oz/a	POST	B	12.5 mL/mx				
	AGRIDEX			1.0 % v/v	POST	B	15.0 mL/mx				
7	SL-575D	6.49 EC		36.0 oz/a	PRE	A	28.12 mL/mx	1459.4 mL	107	213	308
	ATRAZINE	4 L		16.0 oz/a	PRE	A	12.5 mL/mx				
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B	0.7812 mL/mx	1471.7 mL			
	ATRAZINE	4 L		16.0 oz/a	POST	B	12.5 mL/mx				
	AGRIDEX			1.0 % v/v	POST	B	15.0 mL/mx				
8	SL-575D	6.49 EC		18.0 oz/a	PRE	A	14.06 mL/mx	1473.4 mL	108	211	309
	ATRAZINE	4 L		16.0 oz/a	PRE	A	12.5 mL/mx				
	SL-575D	6.49 EC		18.0 oz/a	POST	B	14.06 mL/mx	1458.4 mL			
	ATRAZINE	4 L		16.0 oz/a	POST	B	12.5 mL/mx				
	AGRIDEX			1.0 % v/v	POST	B	15.0 mL/mx				
9	RESICORE	3.29 SL		40.0 oz/a	PRE	A	31.25 mL/mx	1456.3 mL	109	201	306
	ATRAZINE	4 L		16.0 oz/a	PRE	A	12.5 mL/mx				
	RESICORE	3.29 SL		40.0 oz/a	POST	B	31.25 mL/mx	1441.3 mL			
	ATRAZINE	4 L		16.0 oz/a	POST	B	12.5 mL/mx				
	AGRIDEX			1.0 % v/v	POST	B	15.0 mL/mx				
10	ACURON	3.44 SC		40.0 oz/a	PRE	A	31.25 mL/mx	1468.8 mL	110	207	303
	ACURON	3.44 SC		40.0 oz/a	POST	B	31.25 mL/mx	1453.8 mL			
	AGRIDEX			1.0 % v/v	POST	B	15.0 mL/mx				
11	ARMEZON PRO	5.35 SC		20.0 oz/a	PRE	A	15.62 mL/mx	1471.9 mL	111	203	310
	ATRAZINE	4 L		16.0 oz/a	PRE	A	12.5 mL/mx				
	ATRAZINE	4 L		16.0 oz/a	POST	B	12.5 mL/mx	1447.5 mL			
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST	B	25.0 mL/mx				
	AGRIDEX			1.0 % v/v	POST	B	15.0 mL/mx				
12	HARNESS MAX	3.85 SC		55.0 oz/a	PRE	A	42.96 mL/mx	1444.5 mL	112	208	311
	ATRAZINE	4 L		16.0 oz/a	PRE	A	12.5 mL/mx				
	ATRAZINE	4 L		16.0 oz/a	POST	B	12.5 mL/mx	1447.5 mL			
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST	B	25.0 mL/mx				
	AGRIDEX			1.0 % v/v	POST	B	15.0 mL/mx				
13	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST	B	25.0 mL/mx	1400.0 mL	113	214	307
	ATRAZINE	4 L		64.0 oz/a	POST	B	49.99 mL/mx				
	PROWL H20	3.8 SC		32.0 oz/a	POST	B	25.0 mL/mx				
14	NTC							-	114	210	302

Sort Order: Treatment

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Trial ID: CN-14-20 Study Dir.: JAY TURNER
Location: PONDER FARM Investigator: Eric P. Prostko

Trial Comments

BICEP LITE II MAGNUM = ATRAZINE (2.67 LBS AI/GAL) + S-METOLACHLOR (3.33 LBS AI/GAL)

SL-575D = ACETOCHLOR (6.4 LBS AI/GAL) + TOPYRALATE (0.09 LBS AI/GAL)

ACURON = ATRAZINE (1 LB AI/GAL) + BICYCLOPYRONE (0.06 LB AI/GAL) + MESOTRIONE (0.24 LB AI/GAL) + S-METOLACHLOR (2.14 LB AI/GAL)

ARMEZON PRO = TOPRAMEZONE (0.1 LB AI/GAL) + DIMETHENAMID-P (5.25 LB AI/GAL)

HARNESS MAX = ACETOCHLOR (3.52 LB AI/GAL) + MESOTRIONE (0.33 LB AI/GAL)

RESICORE = ACETOCHLOR (2.8 LB AI/GAL) + MESOTRIONE (0.30 LB AI/GAL) + CLOPYRALID (0.19 LB AI/GAL)

LAST TILLAGE: APRIL 8

ANNUAL GRASSES = NON-UNIFORM MIXTURE OF TEXAS PANICUM, CRABGRASS, CROWFOOTGRASS, GOOSEGRASS, SANDBUR.

HARVEST MOISTURE: 16.97%
YIELDS ADJUSTED TO 15.5%.

MISSING YIELD DATA IN PLOTS 114 AND 314 DUE TO EXCESSIVE WEED GROWTH WHICH PREVENTED MECHANICAL HARVESTING.

SUMMARY:

- 1) **RESICORE WAS DIFFICULT TO GET OUT OF 2L PLASTIC SPRAY BOTTLE.**
- 2) GENERALLY, NO MAJOR CROP INJURY WAS OBSERVED WITH ANY TREATMENT EXCEPT FOR THE FOLLOWING:
 - A) SL-575D + ATRAZINE (PRE) FB SHIELDEX + ATRAZINE (POST) CAUSED 13.3% CORN STUNTING ON MAY 15 (36 DAP)
 - B) BOTH SL-575D + ATRAZINE (PRE) FB SL-575D + ATRAZINE (POST) AND RESICORE + ATRAZINE (PRE + POST) CAUSED 18.3% LEAF NECROSIS ON MAY 15 (36 DAP)
- 3) ON JUNE 16 (68 DAP), THE FOLLOWING WEED CONTROL OBSERVATIONS WERE MADE:
 - A) ALL TREATMENTS PROVIDED AT LEAST 96% CONTROL OF PALMER AMARANTH.
 - B) WILD RADISH CONTROL WAS GREATER THAN 83% WITH ALL TREATMENTS EXCEPT BICEP LITE II MAGNUM APPLIED PRE (72% CONTROL).
 - C) TREATMENTS THAT PROVIDED AT LEAST 85% CONTROL OF ANNUAL GRASSES INCLUDED THE FOLLOWING:
 - BICEP LITE II MAGNUM FB SHIELDEX + ATRAZINE (87% CONTROL)
 - SL-575D + ATRAZINE FB SHIELDEX + ATRAZINE (85% CONTROL)
 - ARMEZON PRO + ATRAZINE FB ROUNDUP + ATRAZINE (90% CONTROL)
 - ROUNDUP + ATRAZINE + PROWL (95% CONTROL)
- 4) CORN YIELDS WERE NOT INFLUENCED BY ANY HERBICIDE TREATMENT (P=0.1236).

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Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: JAY TURNER **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 PANICUM;CRABGRASS
Weed 3: RAPRA WILD RADISH **4:** CASOB SICKLEPOD
Crop 1: ZEAMA FIELD CORN **Variety:** DKC 6208 **Planting Date:** Apr-9-20
Planting Method: MONOSEM **Rate:** 36300 SEED/A **Depth:** 2 IN
Perennial Age: _____ **Row Spacing:** 36 IN **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 3

Site Type: _____ **Study Design:** RACOB
Tillage Type: CONVENTIONAL
Trial Initiation Comments: 1 TON/A LIME PREPLANT; 800 LBS/A 5-15-30
PREPLANT;254 LBS/A TOTAL SIDEDRESS N APPLIED IN 2 APPS; 2 LBS/A AXILO-BMZ

Previous: Crops **Pesticides** **Year**
1. SOYBEAN _____ 2019

MAINTENANCE

Field Prep./Maintenance: _____
Form Form Form Rate
No. Date Treatment Name Conc Unit 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. Apr-8-20		0.3	IN	RAINFALL		
2. Apr-13-20		0.9	IN	RAINFALL		
3. Apr-18-20		0.04	IN	RAINFALL		
4. Apr-19-20		0.80	IN	RAINFALL		
5. Apr-20-20		0.65	IN	RAINFALL		
6. Apr-23-20		2.4	IN	RAINFALL		
7. Apr-30-20		0.90	IN	RAINFALL		
8. May-7-20		0.5	IN	SPRINKLER - LATERAL MOVE		
9. May-14-20		0.5	IN	SPRINKLER - LATERAL MOVE		
10. May-15-20		0.35	IN	SPRINKLER - LATERAL MOVE		
11. May-17-20		0.11	IN	RAINFALL		
12. May-20-20		1.3	IN	RAINFALL		
13. May-22-20		1.2	IN	RAINFALL		
14. May-26-20		0.26	IN	RAINFALL		
15. May-28-20		0.41	IN	RAINFALL		
16. May-29-20		0.19	IN	RAINFALL		
17. Jun-1-20		0.5	IN	SPRINKLER - LATERAL MOVE		
18. Jun-6-20		0.07	IN	RAINFALL		
19. Jun-7-20		0.59	IN	RAINFALL		

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

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Location: PONDER FARM Investigator: Eric P. Prostko

		APPLICATION DESCRIPTION					
		A	B	C	D	E	F
Application Date:	Apr-11-20	May-5-20					
Time of Day:	7:30 AM	7:30 AM					
Application Method:	BROADCAST	BROADCAST					
Application Timing:	PRE	POST					
Applic. Placement:	SOIL	FOLIAGE					
Air Temp., Unit:	42 F	69 F					
% Relative Humidity:	79	90					
Wind Velocity, Unit:	1 MPH	6 MPH					
Dew Presence (Y/N):	N	N					
Water Hardness:	--	----					
Soil Temp., Unit:	57 F	72 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:		V5-V6					
Height, Unit:		9 IN					

		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: AMAPA	1-3"					
Stage Scale:							
Density, Unit:							
Weed 2	Stage: AGRASS	1-3"					
Stage Scale:							
Density, Unit:							
Weed 3	Stage: RAPRA	2-4"					
Stage Scale:							
Density, Unit:							
Weed 4	Stage: CASOB	1-2"					
Stage Scale:							
Density, Unit:							

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK					
Operating Pressure:	30	40					
Nozzle Type:	AIXR	TTI					
Nozzle Size:	11002	02					
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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Trial ID: CN-14-20		Study Dir.: JAY TURNER								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code										
Crop Code										
Part Rated										
Rating Data Type										
Rating Unit										
Rating Date										
PRM Data Type										
# Subsamples, Dec.										
Trt Treatment	Form Form	Rate	Grow	Appl						
No. Name	Conc Type	Rate Unit	Stg	Code						
1 NTC					1	2	3	4	5	6
2 BICEP LITE II MAGNUM	6 SC	53.0 oz/a	PRE	A	0.0 a	0.0 a	99.0 a	86.7 c	3.3 a	99.0 a
3 BICEP LITE II MAGNUM	6 SC	53.0 oz/a	PRE	A	0.0 a	0.0 a	99.0 a	93.3 b	3.3 a	99.0 a
SHIELDEX	3.33 SC	1.0 oz/a	POST	B						
ATRAZINE	4 L	16.0 oz/a	POST	B						
AGRIDEX		1.0 % v/v	POST	B						
4 BICEP LITE II MAGNUM	6 SC	53.0 oz/a	PRE	A	0.0 a	0.0 a	99.0 a	86.7 c	5.0 a	99.0 a
IMPACT	2.8 SC	1.0 oz/a	POST	B						
ATRAZINE	4 L	16.0 oz/a	POST	B						
AGRIDEX		1.0 % v/v	POST	B						
5 BICEP LITE II MAGNUM	6 SC	53.0 oz/a	PRE	A	0.0 a	0.0 a	99.0 a	86.7 c	5.0 a	97.7 a
LAUDIS	3.5 SC	3.0 oz/a	POST	B						
ATRAZINE	4 L	16.0 oz/a	POST	B						
AGRIDEX		1.0 % v/v	POST	B						
6 SL-575D	6.49 EC	30.0 oz/a	PRE	A	0.0 a	0.0 a	99.0 a	93.3 b	5.0 a	99.0 a
ATRAZINE	4 L	16.0 oz/a	PRE	A						
SHIELDEX	3.33 SC	1.0 oz/a	POST	B						
ATRAZINE	4 L	16.0 oz/a	POST	B						
AGRIDEX		1.0 % v/v	POST	B						
7 SL-575D	6.49 EC	36.0 oz/a	PRE	A	0.0 a	1.7 a	99.0 a	95.0 ab	5.0 a	99.0 a
ATRAZINE	4 L	16.0 oz/a	PRE	A						
SHIELDEX	3.33 SC	1.0 oz/a	POST	B						
ATRAZINE	4 L	16.0 oz/a	POST	B						
AGRIDEX		1.0 % v/v	POST	B						
8 SL-575D	6.49 EC	18.0 oz/a	PRE	A	0.0 a	0.0 a	99.0 a	91.7 b	3.3 a	99.0 a
ATRAZINE	4 L	16.0 oz/a	PRE	A						
SL-575D	6.49 EC	18.0 oz/a	POST	B						
ATRAZINE	4 L	16.0 oz/a	POST	B						
AGRIDEX		1.0 % v/v	POST	B						
9 RESICORE	3.29 SL	40.0 oz/a	PRE	A	0.0 a	0.0 a	99.0 a	95.0 ab	3.3 a	99.0 a
ATRAZINE	4 L	16.0 oz/a	PRE	A						
RESICORE	3.29 SL	40.0 oz/a	POST	B						
ATRAZINE	4 L	16.0 oz/a	POST	B						
AGRIDEX		1.0 % v/v	POST	B						
10 ACURON	3.44 SC	40.0 oz/a	PRE	A	0.0 a	3.3 a	99.0 a	95.0 ab	1.7 a	99.0 a
ACURON	3.44 SC	40.0 oz/a	POST	B						
AGRIDEX		1.0 % v/v	POST	B						
11 ARMEZON PRO	5.35 SC	20.0 oz/a	PRE	A	0.0 a	0.0 a	99.0 a	94.7 ab	3.3 a	99.0 a
ATRAZINE	4 L	16.0 oz/a	PRE	A						
ATRAZINE	4 L	16.0 oz/a	POST	B						
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POST	B						
AGRIDEX		1.0 % v/v	POST	B						
12 HARNESS MAX	3.85 SC	55.0 oz/a	PRE	A	0.0 a	0.0 a	99.0 a	97.7 a	3.3 a	69.0 b
ATRAZINE	4 L	16.0 oz/a	PRE	A						
ATRAZINE	4 L	16.0 oz/a	POST	B						
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POST	B						
AGRIDEX		1.0 % v/v	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.

Missing data estimates are included in columns: Average=20,21

Could not calculate LSD (% mean diff) for columns 1,3 because error mean square = 0.

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SHIELDEX FOR WEED CONTROL IN FIELD CORN												
Trial ID: CN-14-20				Study Dir.: JAY TURNER								
Location: PONDER FARM				Investigator: Eric P. Prostko								
Weed Code							----- Zeama	----- Zeama	Amapa	Rapra	----- Zeama	Amapa -----
Crop Code							Stunting Percent	Chlorosi Percent	Control Percent	Control Percent	Stunting Percent	Control Percent
Part Rated							Apr-21-20	Apr-21-20	Apr-21-20	Apr-21-20	Apr-30-20	Apr-30-20
Rating Data Type												
Rating Unit												
Rating Date												
PRM Data Type												
# Subsamples, Dec.												
Trt	Treatment	Form	Form	Rate	Grow	Appl						
No.	Name	Conc	Type	Rate Unit	Stg	Code	1	2	3	4	5	6
13	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	0.0 a	0.0 a	0.0 b	0.0 d	0.0 a	0.0 c
	ATRAZINE	4	L	64.0 oz/a	POST	B						
	PROWL H2O	3.8	SC	32.0 oz/a	POST	B						
14	NTC						0.0 a	0.0 a	0.0 b	0.0 d	0.0 a	0.0 c
LSD P=.10							.	2.44	.	3.81	4.01	19.29
Standard Deviation							0.00	1.75	0.00	2.74	2.88	13.85
CV							0.0	490.42	0.0	3.77	96.73	18.34
Grand Mean							0.00	0.36	77.79	72.55	2.98	75.55
Bartlett's X2							0.00	0.877	0.00	2.679	2.012	9.519
P(Bartlett's X2)							.	0.349	.	0.913	0.981	0.002*

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.

Missing data estimates are included in columns: Average=20,21

Could not calculate LSD (% mean diff) for columns 1,3 because error mean square = 0.

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Trial ID: CN-14-20		Study Dir.: JAY TURNER								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code						Rapra	Agrass	---	----	Amapa
Crop Code						----	----	Zeama	Zeama	----
Part Rated								Plant -	Leaf -	
Rating Data Type						Control	Control	Stunt	Necrosis	Control
Rating Unit						Percent	Percent	Percent	Percent	Percent
Rating Date						Apr-30-20	Apr-30-20	May-15-20	May-15-20	May-15-20
PRM Data Type										
# Subsamples, Dec.										
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate	Unit	Stg	Code			
								7	8	9
									10	11
1	NTC							0.0 e	0.0 d	0.0 a
2	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A		95.0 cd	97.7 a	3.3 a
3	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A		97.7 ab	96.3 a	3.3 a
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B				0.0 e
	ATRAZINE	4 L		16.0 oz/a	POST	B				99.0 a
	AGRINDEX			1.0 % v/v	POST	B				
4	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A		93.3 d	91.7 ab	0.0 a
	IMPACT	2.8 SC		1.0 oz/a	POST	B				1.7 de
	ATRAZINE	4 L		16.0 oz/a	POST	B				99.0 a
	AGRINDEX			1.0 % v/v	POST	B				
5	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A		97.7 ab	90.0 abc	3.3 a
	LAUDIS	3.5 SC		3.0 oz/a	POST	B				1.7 de
	ATRAZINE	4 L		16.0 oz/a	POST	B				99.0 a
	AGRINDEX			1.0 % v/v	POST	B				
6	SL-575D	6.49 EC		30.0 oz/a	PRE	A		95.0 cd	93.0 ab	13.3 a
	ATRAZINE	4 L		16.0 oz/a	PRE	A				3.3 cd
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B				99.0 a
	ATRAZINE	4 L		16.0 oz/a	POST	B				
	AGRINDEX			1.0 % v/v	POST	B				
7	SL-575D	6.49 EC		36.0 oz/a	PRE	A		96.3 bc	97.7 a	6.7 a
	ATRAZINE	4 L		16.0 oz/a	PRE	A				5.0 bc
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B				99.0 a
	ATRAZINE	4 L		16.0 oz/a	POST	B				
	AGRINDEX			1.0 % v/v	POST	B				
8	SL-575D	6.49 EC		18.0 oz/a	PRE	A		93.3 d	84.7 bc	3.3 a
	ATRAZINE	4 L		16.0 oz/a	PRE	A				18.3 a
	SL-575D	6.49 EC		18.0 oz/a	POST	B				99.0 a
	ATRAZINE	4 L		16.0 oz/a	POST	B				
	AGRINDEX			1.0 % v/v	POST	B				
9	RESICORE	3.29 SL		40.0 oz/a	PRE	A		99.0 a	89.7 abc	6.7 a
	ATRAZINE	4 L		16.0 oz/a	PRE	A				18.3 a
	RESICORE	3.29 SL		40.0 oz/a	POST	B				99.0 a
	ATRAZINE	4 L		16.0 oz/a	POST	B				
	AGRINDEX			1.0 % v/v	POST	B				
10	ACURON	3.44 SC		40.0 oz/a	PRE	A		96.3 bc	80.0 c	3.3 a
	ACURON	3.44 SC		40.0 oz/a	POST	B				6.7 b
	AGRINDEX			1.0 % v/v	POST	B				99.0 a
11	ARMEZON PRO	5.35 SC		20.0 oz/a	PRE	A		96.3 bc	91.7 ab	5.0 a
	ATRAZINE	4 L		16.0 oz/a	PRE	A				5.0 bc
	ATRAZINE	4 L		16.0 oz/a	POST	B				99.0 a
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST	B				
	AGRINDEX			1.0 % v/v	POST	B				
12	HARNESS MAX	3.85 SC		55.0 oz/a	PRE	A		97.7 ab	91.3 ab	8.3 a
	ATRAZINE	4 L		16.0 oz/a	PRE	A				1.7 de
	ATRAZINE	4 L		16.0 oz/a	POST	B				99.0 a
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST	B				
	AGRINDEX			1.0 % v/v	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.

Missing data estimates are included in columns: Average=20, 21

Could not calculate LSD (% mean diff) for columns 1,3 because error mean square = 0.

University of Georgia

SHIELDEX FOR WEED CONTROL IN FIELD CORN										
Trial ID: CN-14-20 Study Dir.: JAY TURNER					Location: PONDER FARM Investigator: Eric P. Prostko					
Weed Code					Rapra	Agrass	---	----	Amapa	
Crop Code					----	----	Zeama	Zeama	----	
Part Rated							Plant -	Leaf -		
Rating Data Type					Control	Control	Stunt	Necrosis	Control	
Rating Unit					Percent	Percent	Percent	Percent	Percent	
Rating Date					Apr-30-20	Apr-30-20	May-15-20	May-15-20	May-15-20	
PRM Data Type										
# Subsamples, Dec.										
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate Unit	Stg	Code	7	8	9	10
13	ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POST B			0.0 e	0.0 d	3.3 a	1.7 de
	ATRAZINE	4 L	64.0 oz/a	POST B						93.0 b
	PROWL H2O	3.8 SC	32.0 oz/a	POST B						
14	NTC						0.0 e	0.0 d	0.0 a	0.0 e
										0.0 c
LSD P=.10							2.65	10.03	7.91	3.10
Standard Deviation							1.90	7.21	5.68	2.22
CV							2.51	10.05	132.48	49.16
Grand Mean							75.55	71.69	4.29	4.52
Bartlett's X2							0.293	15.619	2.416	0.00
P(Bartlett's X2)							1.00	0.111	0.992	.

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.

Missing data estimates are included in columns: Average=20,21

Could not calculate LSD (% mean diff) for columns 1,3 because error mean square = 0.

University of Georgia

SHIELDEX FOR WEED CONTROL IN FIELD CORN										
Trial ID: CN-14-20 Study Dir.: JAY TURNER										
Location: PONDER FARM Investigator: Eric P. Prostko										
Weed Code					Rapra	Agrass	Amapa	Rapra	Agrass	
Crop Code					----	----	----	----	----	
Part Rated										
Rating Data Type					Control	Control	Control	Control	Control	
Rating Unit					Percent	Percent	Percent	Percent	Percent	
Rating Date					May-15-20	May-15-20	May-27-20	May-27-20	May-27-20	
PRM Data Type										
# Subsamples, Dec.										
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate	Unit	Stg	Code			
1	NTC							12	13	14
2	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A		0.0 d	0.0 d	0.0 c
3	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A		93.0 b	91.0 ab	89.7 b
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B				
	ATRAZINE	4 L		16.0 oz/a	POST	B				
	AGRINDEX			1.0 % v/v	POST	B				
4	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A		99.0 a	96.0 a	99.0 a
	IMPACT	2.8 SC		1.0 oz/a	POST	B				
	ATRAZINE	4 L		16.0 oz/a	POST	B				
	AGRINDEX			1.0 % v/v	POST	B				
5	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A		99.0 a	90.0 ab	99.0 a
	LAUDIS	3.5 SC		3.0 oz/a	POST	B				
	ATRAZINE	4 L		16.0 oz/a	POST	B				
	AGRINDEX			1.0 % v/v	POST	B				
6	SL-575D	6.49 EC		30.0 oz/a	PRE	A		99.0 a	96.3 a	99.0 a
	ATRAZINE	4 L		16.0 oz/a	PRE	A				
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B				
	ATRAZINE	4 L		16.0 oz/a	POST	B				
	AGRINDEX			1.0 % v/v	POST	B				
7	SL-575D	6.49 EC		36.0 oz/a	PRE	A		99.0 a	97.7 a	99.0 a
	ATRAZINE	4 L		16.0 oz/a	PRE	A				
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B				
	ATRAZINE	4 L		16.0 oz/a	POST	B				
	AGRINDEX			1.0 % v/v	POST	B				
8	SL-575D	6.49 EC		18.0 oz/a	PRE	A		99.0 a	93.0 ab	99.0 a
	ATRAZINE	4 L		16.0 oz/a	PRE	A				
	SL-575D	6.49 EC		18.0 oz/a	POST	B				
	ATRAZINE	4 L		16.0 oz/a	POST	B				
	AGRINDEX			1.0 % v/v	POST	B				
9	RESICORE	3.29 SL		40.0 oz/a	PRE	A		99.0 a	84.7 bc	99.0 a
	ATRAZINE	4 L		16.0 oz/a	PRE	A				
	RESICORE	3.29 SL		40.0 oz/a	POST	B				
	ATRAZINE	4 L		16.0 oz/a	POST	B				
	AGRINDEX			1.0 % v/v	POST	B				
10	ACURON	3.44 SC		40.0 oz/a	PRE	A		99.0 a	75.0 c	99.0 a
	ACURON	3.44 SC		40.0 oz/a	POST	B				
	AGRINDEX			1.0 % v/v	POST	B				
11	ARMEZON PRO	5.35 SC		20.0 oz/a	PRE	A		99.0 a	99.0 a	99.0 a
	ATRAZINE	4 L		16.0 oz/a	PRE	A				
	ATRAZINE	4 L		16.0 oz/a	POST	B				
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST	B				
	AGRINDEX			1.0 % v/v	POST	B				
12	HARNESS MAX	3.85 SC		55.0 oz/a	PRE	A		99.0 a	97.7 a	99.0 a
	ATRAZINE	4 L		16.0 oz/a	PRE	A				
	ATRAZINE	4 L		16.0 oz/a	POST	B				
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST	B				
	AGRINDEX			1.0 % v/v	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.

Missing data estimates are included in columns: Average=20, 21

Could not calculate LSD (% mean diff) for columns 1,3 because error mean square = 0.

University of Georgia

SHIELDEX FOR WEED CONTROL IN FIELD CORN																	
Trial ID: CN-14-20			Study Dir.: JAY TURNER														
Location: PONDER FARM			Investigator: Eric P. Prostko														
Weed Code							Rapra	Agrass	Amapa	Rapra	Agrass						
Crop Code							----	----	----	----	----						
Part Rated																	
Rating Data Type							Control	Control	Control	Control	Control						
Rating Unit							Percent	Percent	Percent	Percent	Percent						
Rating Date							May-15-20	May-15-20	May-27-20	May-27-20	May-27-20						
PRM Data Type																	
# Subsamples, Dec.																	
Trt	Treatment	Form	Form	Rate	Grow	Appl											
No.	Name	Conc	Type	Rate	Unit	Stg	Code	12	13	14	15	16					
13	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B	86.7	c	99.0	a	99.0	a	96.3	a	97.7	a
	ATRAZINE	4	L	64.0	oz/a	POST	B										
	PROWL H20	3.8	SC	32.0	oz/a	POST	B										
14	NTC							0.0	d	0.0	d	0.0	c	0.0	d	0.0	d
LSD P=.10							2.25	11.27	3.01	9.82	19.03						
Standard Deviation							1.61	8.09	2.16	7.05	13.66						
CV							1.93	10.26	2.57	9.14	19.05						
Grand Mean							83.55	78.86	84.19	77.17	71.71						
Bartlett's X2							0.643	15.455	0.00	11.061	14.527						
P(Bartlett's X2)							0.423	0.079	.	0.353	0.205						

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Missing data estimates are included in columns: Average=20,21

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University of Georgia

SHIELDEX FOR WEED CONTROL IN FIELD CORN									
Trial ID: CN-14-20		Study Dir.: JAY TURNER							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code					AMAPA	Rapra	Agrass	-----	-----
Crop Code					---	---	---	ZEAMA	ZEAMA
Part Rated								PLOT -	PLOT -
Rating Data Type					Control	Control	Control	YIELD	YIELD
Rating Unit					Percent	Percent	Percent	LBS/PLOT	BU/A
Rating Date					Jun-16-20	Jun-16-20	Jun-16-20	Aug-26-20	Aug-26-20
PRM Data Type									TY1
# Subsamples, Dec.									- 1
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Rate Unit	Stg	Code	17	18	19
1	NTC						0.0 c	0.0 e	0.0 e
2	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A	97.7 ab	71.7 d	80.0 abc
3	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A	97.7 ab	83.3 c	86.7 abc
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B			
	ATRAZINE	4 L		16.0 oz/a	POST	B			
	AGRINDEX			1.0 % v/v	POST	B			
4	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A	99.0 a	94.7 ab	66.3 cd
	IMPACT	2.8 SC		1.0 oz/a	POST	B			
	ATRAZINE	4 L		16.0 oz/a	POST	B			
	AGRINDEX			1.0 % v/v	POST	B			
5	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A	99.0 a	93.0 abc	70.0 bcd
	LAUDIS	3.5 SC		3.0 oz/a	POST	B			
	ATRAZINE	4 L		16.0 oz/a	POST	B			
	AGRINDEX			1.0 % v/v	POST	B			
6	SL-575D	6.49 EC		30.0 oz/a	PRE	A	99.0 a	93.3 abc	85.0 abc
	ATRAZINE	4 L		16.0 oz/a	PRE	A			
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B			
	ATRAZINE	4 L		16.0 oz/a	POST	B			
	AGRINDEX			1.0 % v/v	POST	B			
7	SL-575D	6.49 EC		36.0 oz/a	PRE	A	96.3 b	95.0 ab	78.3 abc
	ATRAZINE	4 L		16.0 oz/a	PRE	A			
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B			
	ATRAZINE	4 L		16.0 oz/a	POST	B			
	AGRINDEX			1.0 % v/v	POST	B			
8	SL-575D	6.49 EC		18.0 oz/a	PRE	A	97.7 ab	93.0 abc	75.0 abc
	ATRAZINE	4 L		16.0 oz/a	PRE	A			
	SL-575D	6.49 EC		18.0 oz/a	POST	B			
	ATRAZINE	4 L		16.0 oz/a	POST	B			
	AGRINDEX			1.0 % v/v	POST	B			
9	RESICORE	3.29 SL		40.0 oz/a	PRE	A	99.0 a	96.3 ab	70.0 bcd
	ATRAZINE	4 L		16.0 oz/a	PRE	A			
	RESICORE	3.29 SL		40.0 oz/a	POST	B			
	ATRAZINE	4 L		16.0 oz/a	POST	B			
	AGRINDEX			1.0 % v/v	POST	B			
10	ACURON	3.44 SC		40.0 oz/a	PRE	A	99.0 a	99.0 a	50.0 d
	ACURON	3.44 SC		40.0 oz/a	POST	B			
	AGRINDEX			1.0 % v/v	POST	B			
11	ARMEZON PRO	5.35 SC		20.0 oz/a	PRE	A	96.0 b	88.0 bc	90.0 ab
	ATRAZINE	4 L		16.0 oz/a	PRE	A			
	ATRAZINE	4 L		16.0 oz/a	POST	B			
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST	B			
	AGRINDEX			1.0 % v/v	POST	B			
12	HARNESS MAX	3.85 SC		55.0 oz/a	PRE	A	97.7 ab	96.3 ab	81.7 abc
	ATRAZINE	4 L		16.0 oz/a	PRE	A			
	ATRAZINE	4 L		16.0 oz/a	POST	B			
	ROUNDUP P-MAX	5.5 SL		32.0 oz/a	POST	B			
	AGRINDEX			1.0 % v/v	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.

Missing data estimates are included in columns: Average=20, 21

Could not calculate LSD (% mean diff) for columns 1,3 because error mean square = 0.

University of Georgia

SHIELDEX FOR WEED CONTROL IN FIELD CORN										
Trial ID: CN-14-20					Study Dir.: JAY TURNER					
Location: PONDER FARM					Investigator: Eric P. Prostko					
Weed Code					AMAPA	Rapra	Agrass	-----	-----	
Crop Code					---	---	---	ZEAMA	ZEAMA	
Part Rated								PLOT -	PLOT -	
Rating Data Type					Control	Control	Control	YIELD	YIELD	
Rating Unit					Percent	Percent	Percent	LBS/PLOT	BU/A	
Rating Date					Jun-16-20	Jun-16-20	Jun-16-20	Aug-26-20	Aug-26-20	
PRM Data Type									TY1	
# Subsamples, Dec.									- 1	
Trt Treatment	Form	Form	Rate	Grow	Appl					
No. Name	Conc	Type	Rate	Unit	Stg	Code				
13 ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POST B				17	18	19	20
ATRAZINE	4 L	64.0 oz/a	POST B				96.3 b	97.7 ab	95.0 a	34.0 a
PROWL H2O	3.8 SC	32.0 oz/a	POST B							173.2 a
14 NTC							0.0 c	0.0 e	0.0 e	30.5 a
LSD P=.10							2.62	10.06	21.41	6.75
Standard Deviation							1.88	7.22	15.37	4.83
CV							2.25	9.18	23.19	13.44
Grand Mean							83.88	78.67	66.29	35.94
Bartlett's X2							2.925	17.801	9.926	10.312
P(Bartlett's X2)							0.818	0.038*	0.447	0.668

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.

Missing data estimates are included in columns: Average=20,21

Could not calculate LSD (% mean diff) for columns 1,3 because error mean square = 0.

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SHIELDEX FOR WEED CONTROL IN FIELD CORN					
Trial ID: CN-14-20		Study Dir.: JAY TURNER			
Location: PONDER FARM		Investigator: Eric P. Prostko			
Randomized Complete Block (RCB) AOV For ----- Zeama Stunting Percent Apr-21-20 (Data Column 1)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	41	0.000000000000			
Replicate	2	0.000000000000	0.000000000000	0.000	1.0000
Treatment	13	0.000000000000	0.000000000000	0.000	1.0000
Error	26	0.000000000000	0.000000000000		
Randomized Complete Block (RCB) AOV For ----- Zeama Chlorosi Percent Apr-21-20 (Data Column 2)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	41	119.642857			
Replicate	2	3.571429	1.785714	0.582	0.5658
Treatment	13	36.309524	2.793040	0.910	0.5548
Error	26	79.761905	3.067766		
Randomized Complete Block (RCB) AOV For Amapa Control Percent Apr-21-20 (Data Column 3)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	41	69307.071429			
Replicate	2	0.000000	0.000000	0.000	1.0000
Treatment	13	69307.071429	5331.313187	0.000	1.0000
Error	26	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For Rapra Control Percent Apr-21-20 (Data Column 4)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	41	60950.404762			
Replicate	2	6.333333	3.166667	0.422	0.6600
Treatment	13	60749.071429	4673.005495	623.067	0.0001
Error	26	195.000000	7.500000		
Randomized Complete Block (RCB) AOV For ----- Zeama Stunting Percent Apr-30-20 (Data Column 5)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	41	352.976190			
Replicate	2	1.190476	0.595238	0.072	0.9309
Treatment	13	136.309524	10.485348	1.265	0.2937
Error	26	215.476190	8.287546		
Randomized Complete Block (RCB) AOV For Amapa ----- Control Percent Apr-30-20 (Data Column 6)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	41	73224.404762			
Replicate	2	420.761905	210.380952	1.096	0.3491
Treatment	13	67813.738095	5216.441392	27.180	0.0001
Error	26	4989.904762	191.919414		
Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent Apr-30-20 (Data Column 7)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	41	65574.404762			
Replicate	2	3.476190	1.738095	0.481	0.6233
Treatment	13	65477.071429	5036.697802	1395.250	0.0001
Error	26	93.857143	3.609890		
Randomized Complete Block (RCB) AOV For Agrass ----- Control Percent Apr-30-20 (Data Column 8)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	41	61448.976190			
Replicate	2	371.619048	185.809524	3.579	0.0424
Treatment	13	59727.642857	4594.434066	88.504	0.0001
Error	26	1349.714286	51.912088		
Randomized Complete Block (RCB) AOV For --- Zeama Plant Stunt Percent May-15-20 (Data Column 9)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	41	1578.571429			
Replicate	2	228.571429	114.285714	3.545	0.0435
Treatment	13	511.904762	39.377289	1.222	0.3195
Error	26	838.095238	32.234432		
Randomized Complete Block (RCB) AOV For ---- Zeama Leaf Necrosis Percent May-15-20 (Data Column 10)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	41	1640.476190			
Replicate	2	4.761905	2.380952	0.481	0.6233
Treatment	13	1507.142857	115.934066	23.444	0.0001
Error	26	128.571429	4.945055		

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SHIELDEX FOR WEED CONTROL IN FIELD CORN						
Trial ID: CN-14-20		Study Dir.: JAY TURNER				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Randomized Complete Block (RCB) AOV For Amapa ----- Control Percent May-15-20 (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	41	50050.285714				
Replicate	2	3.857143	1.928571	1.000	0.3816	
Treatment	13	49996.285714	3845.868132	1994.154	0.0001	
Error	26	50.142857	1.928571			
Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent May-15-20 (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	41	49412.404762				
Replicate	2	2.904762	1.452381	0.557	0.5795	
Treatment	13	49341.738095	3795.518315	1456.327	0.0001	
Error	26	67.761905	2.606227			
Randomized Complete Block (RCB) AOV For Agrass ---- Control Percent May-15-20 (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	41	47093.142857				
Replicate	2	63.000000	31.500000	0.481	0.6235	
Treatment	13	45327.809524	3486.754579	53.254	0.0001	
Error	26	1702.333333	65.474359			
Randomized Complete Block (RCB) AOV For Amapa ----- Control Percent May-27-20 (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	41	49986.476190				
Replicate	2	9.333333	4.666667	1.000	0.3816	
Treatment	13	49855.809524	3835.062271	821.799	0.0001	
Error	26	121.333333	4.666667			
Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent May-27-20 (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	41	45011.833333				
Replicate	2	18.904762	9.452381	0.190	0.8280	
Treatment	13	43700.500000	3361.576923	67.625	0.0001	
Error	26	1292.428571	49.708791			
Randomized Complete Block (RCB) AOV For Agrass ---- Control Percent May-27-20 (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	41	44004.571429				
Replicate	2	79.000000	39.500000	0.212	0.8106	
Treatment	13	39073.238095	3005.633700	16.105	0.0001	
Error	26	4852.333333	186.628205			
Randomized Complete Block (RCB) AOV For AMAPA --- Control Percent Jun-16-20 (Data Column 17)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	41	49414.404762				
Replicate	2	25.761905	12.880952	3.631	0.0407	
Treatment	13	49296.404762	3792.031136	1068.895	0.0001	
Error	26	92.238095	3.547619			
Randomized Complete Block (RCB) AOV For Rapra --- Control Percent Jun-16-20 (Data Column 18)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	41	46671.333333				
Replicate	2	67.761905	33.880952	0.649	0.5307	
Treatment	13	45246.666667	3480.512821	66.691	0.0001	
Error	26	1356.904762	52.188645			
Randomized Complete Block (RCB) AOV For Agrass ---- Control Percent Jun-16-20 (Data Column 19)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	41	41936.571429				
Replicate	2	156.000000	78.000000	0.330	0.7219	
Treatment	13	35635.904762	2741.223443	11.599	0.0001	
Error	26	6144.666667	236.333333			
Randomized Complete Block (RCB) AOV For ----- ZEAMA PLOT YIELD LBS/PLOT Aug-26-20 (Data Column 20)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	39	1347.101190				
Replicate	2	268.369048	134.184524	5.749	0.0091	
Treatment	13	518.601190	39.892399	1.709	0.1236	
Error	24	560.130952	23.338790			

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SHIELDEX FOR WEED CONTROL IN FIELD CORN					
Trial ID: CN-14-20		Study Dir.: JAY TURNER			
Location: PONDER FARM		Investigator: Eric P. Prostko			
Randomized Complete Block (RCB) AOV For ----- ZEAMA PLOT YIELD BU/A Aug-26-20 TY1 1 (Data Column 21)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	39	34976.311027			
Replicate	2	6967.968959	3483.984479	5.749	0.0091
Treatment	13	13465.028956	1035.771458	1.709	0.1236
Error	24	14543.313112	605.971380		
<u>Weed Code</u>					
Amapa = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.					
Rapra = RADISH, WILD / RAPHANUS RAPHANISTRUM L.					
<u>Part Rated</u>					
Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)					
Leaf = LEAF / FOLIAGE					
<u>PRM Data Type</u>					
TY1 = 5.095501*[20]					

SHIELDEX FOR WEED CONTROL IN FIELD CORN	
Trial ID: CN-14-20	Study Dir.: JAY TURNER
Location: PONDER FARM	Investigator: Eric P. Prostko

Weed Code							-----	-----	Amapa	Rapra	-----		
Crop Code							Zeama	Zeama			Zeama		
Part Rated													
Rating Data Type							Stunting	Chlorosi	Control	Control	Stunting		
Rating Unit							Percent	Percent	Percent	Percent	Percent		
Rating Date							Apr-21-20	Apr-21-20	Apr-21-20	Apr-21-20	Apr-30-20		
PRM Data Type													
# Subsamples, Dec.													
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5
1	NTC						101		0.0	0.0	0.0	0.0	0.0
							209		0.0	0.0	0.0	0.0	0.0
							314		0.0	0.0	0.0	0.0	0.0
							Mean =		0.0	0.0	0.0	0.0	0.0
2	BICEP LITE II MAGNUM	6	SC	53.0	oz/a	PRE	A	102	0.0	0.0	99.0	90.0	5.0
							205		0.0	0.0	99.0	85.0	0.0
							301		0.0	0.0	99.0	85.0	5.0
							Mean =		0.0	0.0	99.0	86.7	3.3
3	BICEP LITE II MAGNUM	6	SC	53.0	oz/a	PRE	A	103	0.0	0.0	99.0	90.0	5.0
	SHIELDDEX	3.33	SC	1.0	oz/a	POST	B	206	0.0	0.0	99.0	95.0	0.0
	ATRAZINE	4	L	16.0	oz/a	POST	B	312	0.0	0.0	99.0	95.0	5.0
	AGRIDEX			1.0	% v/v	POST	B						
							Mean =		0.0	0.0	99.0	93.3	3.3
4	BICEP LITE II MAGNUM	6	SC	53.0	oz/a	PRE	A	104	0.0	0.0	99.0	85.0	5.0
	IMPACT	2.8	SC	1.0	oz/a	POST	B	202	0.0	0.0	99.0	85.0	5.0
	ATRAZINE	4	L	16.0	oz/a	POST	B	304	0.0	0.0	99.0	90.0	5.0
	AGRIDEX			1.0	% v/v	POST	B						
							Mean =		0.0	0.0	99.0	86.7	5.0
5	BICEP LITE II MAGNUM	6	SC	53.0	oz/a	PRE	A	105	0.0	0.0	99.0	85.0	5.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	212	0.0	0.0	99.0	85.0	10.0
	ATRAZINE	4	L	16.0	oz/a	POST	B	305	0.0	0.0	99.0	90.0	0.0
	AGRIDEX			1.0	% v/v	POST	B						
							Mean =		0.0	0.0	99.0	86.7	5.0
6	SL-575D	6.49	EC	30.0	oz/a	PRE	A	106	0.0	0.0	99.0	95.0	5.0
	ATRAZINE	4	L	16.0	oz/a	PRE	A	204	0.0	0.0	99.0	90.0	5.0
	SHIELDDEX	3.33	SC	1.0	oz/a	POST	B	313	0.0	0.0	99.0	95.0	5.0
	ATRAZINE	4	L	16.0	oz/a	POST	B						
	AGRIDEX			1.0	% v/v	POST	B						
							Mean =		0.0	0.0	99.0	93.3	5.0
7	SL-575D	6.49	EC	36.0	oz/a	PRE	A	107	0.0	0.0	99.0	95.0	10.0
	ATRAZINE	4	L	16.0	oz/a	PRE	A	213	0.0	5.0	99.0	95.0	5.0
	SHIELDDEX	3.33	SC	1.0	oz/a	POST	B	308	0.0	0.0	99.0	95.0	0.0
	ATRAZINE	4	L	16.0	oz/a	POST	B						
	AGRIDEX			1.0	% v/v	POST	B						
							Mean =		0.0	1.7	99.0	95.0	5.0
8	SL-575D	6.49	EC	18.0	oz/a	PRE	A	108	0.0	0.0	99.0	95.0	5.0
	ATRAZINE	4	L	16.0	oz/a	PRE	A	211	0.0	0.0	99.0	95.0	5.0
	SL-575D	6.49	EC	18.0	oz/a	POST	B	309	0.0	0.0	99.0	85.0	0.0
	ATRAZINE	4	L	16.0	oz/a	POST	B						
	AGRIDEX			1.0	% v/v	POST	B						
							Mean =		0.0	0.0	99.0	91.7	3.3
9	RESICORE	3.29	SL	40.0	oz/a	PRE	A	109	0.0	0.0	99.0	95.0	5.0
	ATRAZINE	4	L	16.0	oz/a	PRE	A	201	0.0	0.0	99.0	95.0	0.0
	RESICORE	3.29	SL	40.0	oz/a	POST	B	306	0.0	0.0	99.0	95.0	5.0
	ATRAZINE	4	L	16.0	oz/a	POST	B						
	AGRIDEX			1.0	% v/v	POST	B						
							Mean =		0.0	0.0	99.0	95.0	3.3
10	ACURON	3.44	SC	40.0	oz/a	PRE	A	110	0.0	10.0	99.0	95.0	0.0
	ACURON	3.44	SC	40.0	oz/a	POST	B	207	0.0	0.0	99.0	95.0	0.0
	AGRIDEX			1.0	% v/v	POST	B	303	0.0	0.0	99.0	95.0	5.0
							Mean =		0.0	3.3	99.0	95.0	1.7

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SHIELDEX FOR WEED CONTROL IN FIELD CORN										
Trial ID: CN-14-20		Study Dir.: JAY TURNER								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code							----- Zeama	----- Zeama	Amapa	Rapra
Crop Code							Stunting Percent	Chlorosi Percent	Control Percent	Control Percent
Part Rated							Apr-21-20	Apr-21-20	Apr-21-20	Apr-21-20
Rating Data Type										
Rating Unit										
Rating Date										
PRM Data Type										
# Subsamples, Dec.										
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot		
									1	5
11	ARMEZON PRO	5.35	SC	20.0	oz/a	PRE	A	111	0.0	0.0
	ATRAZINE	4	L	16.0	oz/a	PRE	A	203	0.0	0.0
	ATRAZINE	4	L	16.0	oz/a	POST	B	310	0.0	0.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B			
	AGRIDEX			1.0	% v/v	POST	B			
								Mean =	0.0	0.0
12	HARNESS MAX	3.85	SC	55.0	oz/a	PRE	A	112	0.0	0.0
	ATRAZINE	4	L	16.0	oz/a	PRE	A	208	0.0	0.0
	ATRAZINE	4	L	16.0	oz/a	POST	B	311	0.0	0.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B			
	AGRIDEX			1.0	% v/v	POST	B			
								Mean =	0.0	0.0
13	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B	113	0.0	0.0
	ATRAZINE	4	L	64.0	oz/a	POST	B	214	0.0	0.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	307	0.0	0.0
								Mean =	0.0	0.0
14	NTC							114	0.0	0.0
								210	0.0	0.0
								302	0.0	0.0
								Mean =	0.0	0.0

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SHIELDEX FOR WEED CONTROL IN FIELD CORN											
Trial ID: CN-14-20 Study Dir.: JAY TURNER											
Location: PONDER FARM Investigator: Eric P. Prostko											
Weed Code							Amapa	Rapra	Agrass	---	----
Crop Code							-----	-----	-----		
Part Rated										Zeama	Zeama
Rating Data Type							Control	Control	Control	Plant -	Leaf -
Rating Unit							Percent	Percent	Percent	Stunt	Necrosis
Rating Date							Apr-30-20	Apr-30-20	Apr-30-20	Percent	Percent
PRM Data Type										May-15-20	May-15-20
# Subsamples, Dec.											
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	6	7	8	9	10
1	NTC					101	0.0	0.0	0.0	0.0	0.0
						209	0.0	0.0	0.0	0.0	0.0
						314	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0
2	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A 102	99.0	95.0	99.0	10.0	0.0
						205	99.0	95.0	95.0	0.0	0.0
						301	99.0	95.0	99.0	0.0	0.0
						Mean =	99.0	95.0	97.7	3.3	0.0
3	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A 103	99.0	99.0	99.0	10.0	0.0
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B 206	99.0	95.0	95.0	0.0	0.0
	ATRAZINE	4 L		16.0 oz/a	POST	B 312	99.0	99.0	95.0	0.0	0.0
	AGRIDEX			1.0 % v/v	POST	B					
						Mean =	99.0	97.7	96.3	3.3	0.0
4	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A 104	99.0	95.0	95.0	0.0	0.0
	IMPACT	2.8 SC		1.0 oz/a	POST	B 202	99.0	90.0	85.0	0.0	0.0
	ATRAZINE	4 L		16.0 oz/a	POST	B 304	99.0	95.0	95.0	0.0	5.0
	AGRIDEX			1.0 % v/v	POST	B					
						Mean =	99.0	93.3	91.7	0.0	1.7
5	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A 105	95.0	99.0	85.0	10.0	0.0
	LAUDIS	3.5 SC		3.0 oz/a	POST	B 212	99.0	95.0	95.0	0.0	0.0
	ATRAZINE	4 L		16.0 oz/a	POST	B 305	99.0	99.0	90.0	0.0	5.0
	AGRIDEX			1.0 % v/v	POST	B					
						Mean =	97.7	97.7	90.0	3.3	1.7
6	SL-575D	6.49 EC		30.0 oz/a	PRE	A 106	99.0	95.0	95.0	20.0	5.0
	ATRAZINE	4 L		16.0 oz/a	PRE	A 204	99.0	95.0	85.0	10.0	5.0
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B 313	99.0	95.0	99.0	10.0	0.0
	ATRAZINE	4 L		16.0 oz/a	POST	B					
	AGRIDEX			1.0 % v/v	POST	B					
						Mean =	99.0	95.0	93.0	13.3	3.3
7	SL-575D	6.49 EC		36.0 oz/a	PRE	A 107	99.0	95.0	95.0	20.0	5.0
	ATRAZINE	4 L		16.0 oz/a	PRE	A 213	99.0	99.0	99.0	0.0	5.0
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B 308	99.0	95.0	99.0	0.0	5.0
	ATRAZINE	4 L		16.0 oz/a	POST	B					
	AGRIDEX			1.0 % v/v	POST	B					
						Mean =	99.0	96.3	97.7	6.7	5.0
8	SL-575D	6.49 EC		18.0 oz/a	PRE	A 108	99.0	95.0	65.0	10.0	15.0
	ATRAZINE	4 L		16.0 oz/a	PRE	A 211	99.0	95.0	90.0	0.0	20.0
	SL-575D	6.49 EC		18.0 oz/a	POST	B 309	99.0	90.0	99.0	0.0	20.0
	ATRAZINE	4 L		16.0 oz/a	POST	B					
	AGRIDEX			1.0 % v/v	POST	B					
						Mean =	99.0	93.3	84.7	3.3	18.3
9	RESICORE	3.29 SL		40.0 oz/a	PRE	A 109	99.0	99.0	75.0	10.0	20.0
	ATRAZINE	4 L		16.0 oz/a	PRE	A 201	99.0	99.0	99.0	10.0	15.0
	RESICORE	3.29 SL		40.0 oz/a	POST	B 306	99.0	99.0	95.0	0.0	20.0
	ATRAZINE	4 L		16.0 oz/a	POST	B					
	AGRIDEX			1.0 % v/v	POST	B					
						Mean =	99.0	99.0	89.7	6.7	18.3
10	ACURON	3.44 SC		40.0 oz/a	PRE	A 110	99.0	95.0	65.0	0.0	5.0
	ACURON	3.44 SC		40.0 oz/a	POST	B 207	99.0	99.0	85.0	0.0	10.0
	AGRIDEX			1.0 % v/v	POST	B 303	99.0	95.0	90.0	10.0	5.0
						Mean =	99.0	96.3	80.0	3.3	6.7

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SHIELDEX FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-14-20 Study Dir.: JAY TURNER
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							Amapa ----- Control Percent Apr-30-20	Rapra ----- Control Percent Apr-30-20	Agrass ----- Control Percent Apr-30-20	--- Zeama Plant - Stunt Percent May-15-20	----- Zeama Leaf - Necrosis Percent May-15-20
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Plot	6	7	8	9	10
11 ARMEZON PRO	5.35	SC	20.0 oz/a	PRE	A	111	99.0	95.0	95.0	0.0	5.0
ATRAZINE	4	L	16.0 oz/a	PRE	A	203	99.0	95.0	85.0	15.0	5.0
ATRAZINE	4	L	16.0 oz/a	POST	B	310	99.0	99.0	95.0	0.0	5.0
ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B						
AGRIDEX			1.0 % v/v	POST	B						
Mean =							99.0	96.3	91.7	5.0	5.0
12 HARNESS MAX	3.85	SC	55.0 oz/a	PRE	A	112	9.0	99.0	85.0	10.0	5.0
ATRAZINE	4	L	16.0 oz/a	PRE	A	208	99.0	95.0	90.0	15.0	0.0
ATRAZINE	4	L	16.0 oz/a	POST	B	311	99.0	99.0	99.0	0.0	0.0
ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B						
AGRIDEX			1.0 % v/v	POST	B						
Mean =							69.0	97.7	91.3	8.3	1.7
13 ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	113	0.0	0.0	0.0	0.0	0.0
ATRAZINE	4	L	64.0 oz/a	POST	B	214	0.0	0.0	0.0	10.0	0.0
PROWL H20	3.8	SC	32.0 oz/a	POST	B	307	0.0	0.0	0.0	0.0	5.0
Mean =							0.0	0.0	0.0	3.3	1.7
14 NTC						114	0.0	0.0	0.0	0.0	0.0
						210	0.0	0.0	0.0	0.0	0.0
						302	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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SHIELDEX FOR WEED CONTROL IN FIELD CORN										
Trial ID: CN-14-20		Study Dir.: JAY TURNER								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code							Amapa	Rapra	Agrass	Amapa
Crop Code							-----	-----	-----	-----
Part Rated										
Rating Data Type							Control	Control	Control	Control
Rating Unit							Percent	Percent	Percent	Percent
Rating Date							May-15-20	May-15-20	May-15-20	May-27-20
PRM Data Type										
# Subsamples, Dec.										
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	11	12	13	14
11	ARMEZON PRO	5.35	SC	20.0 oz/a	PRE	A 111	99.0	99.0	99.0	95.0
	ATRAZINE	4	L	16.0 oz/a	PRE	A 203	99.0	99.0	99.0	95.0
	ATRAZINE	4	L	16.0 oz/a	POST	B 310	99.0	99.0	99.0	95.0
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B				
	AGRIDEX			1.0 % v/v	POST	B				
	Mean =						99.0	99.0	99.0	95.0
12	HARNESS MAX	3.85	SC	55.0 oz/a	PRE	A 112	99.0	99.0	95.0	95.0
	ATRAZINE	4	L	16.0 oz/a	PRE	A 208	99.0	99.0	99.0	85.0
	ATRAZINE	4	L	16.0 oz/a	POST	B 311	99.0	99.0	99.0	95.0
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B				
	AGRIDEX			1.0 % v/v	POST	B				
	Mean =						99.0	99.0	97.7	91.7
13	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B 113	90.0	85.0	99.0	95.0
	ATRAZINE	4	L	64.0 oz/a	POST	B 214	90.0	85.0	99.0	99.0
	PROWL H20	3.8	SC	32.0 oz/a	POST	B 307	99.0	90.0	99.0	95.0
	Mean =						93.0	86.7	99.0	96.3
14	NTC					114	0.0	0.0	0.0	0.0
						210	0.0	0.0	0.0	0.0
						302	0.0	0.0	0.0	0.0
	Mean =						0.0	0.0	0.0	0.0

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SHIELDEX FOR WEED CONTROL IN FIELD CORN											
Trial ID: CN-14-20		Study Dir.: JAY TURNER									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code							Agrass	AMAPA	Rapra	Agrass	-----
Crop Code							----	---	---	----	ZEAMA
Part Rated											PLOT -
Rating Data Type							Control	Control	Control	Control	YIELD
Rating Unit							Percent	Percent	Percent	Percent	LBS/PLOT
Rating Date							May-27-20	Jun-16-20	Jun-16-20	Jun-16-20	Aug-26-20
PRM Data Type											
# Subsamples, Dec.											
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	16	17	18	19	
1	NTC					101	0.0	0.0	0.0	20.0	
						209	0.0	0.0	0.0	36.0	
						314	0.0	0.0	0.0	.	
						Mean =	0.0	0.0	0.0	28.0	
2	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A 102	99.0	99.0	60.0	32.0	
						205	70.0	99.0	95.0	40.0	
						301	95.0	95.0	60.0	31.0	
						Mean =	88.0	97.7	71.7	34.3	
3	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A 103	95.0	99.0	90.0	31.0	
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B 206	75.0	99.0	75.0	45.0	
	ATRAZINE	4 L		16.0 oz/a	POST	B 312	99.0	95.0	85.0	31.0	
	AGRIDEX			1.0 % v/v	POST	B					
						Mean =	89.7	97.7	83.3	35.7	
4	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A 104	99.0	99.0	95.0	36.0	
	IMPACT	2.8 SC		1.0 oz/a	POST	B 202	65.0	99.0	90.0	46.0	
	ATRAZINE	4 L		16.0 oz/a	POST	B 304	65.0	99.0	99.0	39.0	
	AGRIDEX			1.0 % v/v	POST	B					
						Mean =	76.3	99.0	94.7	40.3	
5	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A 105	85.0	99.0	99.0	34.0	
	LAUDIS	3.5 SC		3.0 oz/a	POST	B 212	90.0	99.0	95.0	36.0	
	ATRAZINE	4 L		16.0 oz/a	POST	B 305	65.0	99.0	85.0	38.0	
	AGRIDEX			1.0 % v/v	POST	B					
						Mean =	80.0	99.0	93.0	36.0	
6	SL-575D	6.49 EC		30.0 oz/a	PRE	A 106	99.0	99.0	90.0	33.0	
	ATRAZINE	4 L		16.0 oz/a	PRE	A 204	85.0	99.0	95.0	43.0	
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B 313	85.0	99.0	95.0	28.0	
	ATRAZINE	4 L		16.0 oz/a	POST	B					
	AGRIDEX			1.0 % v/v	POST	B					
						Mean =	89.7	99.0	93.3	34.7	
7	SL-575D	6.49 EC		36.0 oz/a	PRE	A 107	65.0	95.0	95.0	29.0	
	ATRAZINE	4 L		16.0 oz/a	PRE	A 213	90.0	99.0	95.0	37.0	
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B 308	99.0	95.0	95.0	37.0	
	ATRAZINE	4 L		16.0 oz/a	POST	B					
	AGRIDEX			1.0 % v/v	POST	B					
						Mean =	84.7	96.3	95.0	34.3	
8	SL-575D	6.49 EC		18.0 oz/a	PRE	A 108	60.0	99.0	99.0	32.0	
	ATRAZINE	4 L		16.0 oz/a	PRE	A 211	90.0	99.0	95.0	41.0	
	SL-575D	6.49 EC		18.0 oz/a	POST	B 309	95.0	95.0	85.0	42.0	
	ATRAZINE	4 L		16.0 oz/a	POST	B					
	AGRIDEX			1.0 % v/v	POST	B					
						Mean =	81.7	97.7	93.0	38.3	
9	RESICORE	3.29 SL		40.0 oz/a	PRE	A 109	50.0	99.0	99.0	37.0	
	ATRAZINE	4 L		16.0 oz/a	PRE	A 201	99.0	99.0	95.0	43.0	
	RESICORE	3.29 SL		40.0 oz/a	POST	B 306	85.0	99.0	95.0	39.0	
	ATRAZINE	4 L		16.0 oz/a	POST	B					
	AGRIDEX			1.0 % v/v	POST	B					
						Mean =	78.0	99.0	96.3	39.7	
10	ACURON	3.44 SC		40.0 oz/a	PRE	A 110	50.0	99.0	99.0	40.0	
	ACURON	3.44 SC		40.0 oz/a	POST	B 207	65.0	99.0	99.0	41.0	
	AGRIDEX			1.0 % v/v	POST	B 303	65.0	99.0	99.0	38.0	
						Mean =	60.0	99.0	99.0	39.7	

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SHIELDEX FOR WEED CONTROL IN FIELD CORN										
Trial ID: CN-14-20		Study Dir.: JAY TURNER								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code						Agrass	AMAPA	Rapra	Agrass	-----
Crop Code						----	---	---	----	ZEAMA
Part Rated										PLOT -
Rating Data Type						Control	Control	Control	Control	YIELD
Rating Unit						Percent	Percent	Percent	Percent	LBS/PLOT
Rating Date						May-27-20	Jun-16-20	Jun-16-20	Jun-16-20	Aug-26-20
PRM Data Type										
# Subsamples, Dec.										
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot		
									16	17
									18	19
									20	
11	ARMEZON PRO	5.35	SC	20.0	oz/a	PRE	A	111	95.0	99.0
	ATRAZINE	4	L	16.0	oz/a	PRE	A	203	85.0	99.0
	ATRAZINE	4	L	16.0	oz/a	POST	B	310	95.0	90.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B			85.0
	AGRIDEX			1.0	% v/v	POST	B			
						Mean =			91.7	96.0
12	HARNESS MAX	3.85	SC	55.0	oz/a	PRE	A	112	85.0	99.0
	ATRAZINE	4	L	16.0	oz/a	PRE	A	208	90.0	99.0
	ATRAZINE	4	L	16.0	oz/a	POST	B	311	85.0	95.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B			95.0
	AGRIDEX			1.0	% v/v	POST	B			
						Mean =			86.7	97.7
13	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B	113	99.0	95.0
	ATRAZINE	4	L	64.0	oz/a	POST	B	214	99.0	95.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	307	95.0	99.0
						Mean =			97.7	96.3
14	NTC							114	0.0	0.0
								210	0.0	0.0
								302	0.0	0.0
						Mean =			0.0	0.0

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SHIELDEX FOR WEED CONTROL IN FIELD CORN									
Trial ID: CN-14-20		Study Dir.: JAY TURNER							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code							-----		
Crop Code							ZEAMA		
Part Rated							PLOT -		
Rating Data Type							YIELD		
Rating Unit							BU/A		
Rating Date							Aug-26-20		
PRM Data Type							TY1		
# Subsamples, Dec.							- 1		
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	21
1	NTC						101	101.9	
							209	183.4	
							314	.	
							Mean =	142.7	
2	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A	102	163.1	
							205	203.8	
							301	158.0	
							Mean =	174.9	
3	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A	103	158.0	
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B	206	229.3	
	ATRAZINE	4 L		16.0 oz/a	POST	B	312	158.0	
	AGRIDEX			1.0 % v/v	POST	B			
							Mean =	181.7	
4	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A	104	183.4	
	IMPACT	2.8 SC		1.0 oz/a	POST	B	202	234.4	
	ATRAZINE	4 L		16.0 oz/a	POST	B	304	198.7	
	AGRIDEX			1.0 % v/v	POST	B			
							Mean =	205.5	
5	BICEP LITE II MAGNUM	6 SC		53.0 oz/a	PRE	A	105	173.2	
	LAUDIS	3.5 SC		3.0 oz/a	POST	B	212	183.4	
	ATRAZINE	4 L		16.0 oz/a	POST	B	305	193.6	
	AGRIDEX			1.0 % v/v	POST	B			
							Mean =	183.4	
6	SL-575D	6.49 EC		30.0 oz/a	PRE	A	106	168.2	
	ATRAZINE	4 L		16.0 oz/a	PRE	A	204	219.1	
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B	313	142.7	
	ATRAZINE	4 L		16.0 oz/a	POST	B			
	AGRIDEX			1.0 % v/v	POST	B			
							Mean =	176.6	
7	SL-575D	6.49 EC		36.0 oz/a	PRE	A	107	147.8	
	ATRAZINE	4 L		16.0 oz/a	PRE	A	213	188.5	
	SHIELDEX	3.33 SC		1.0 oz/a	POST	B	308	188.5	
	ATRAZINE	4 L		16.0 oz/a	POST	B			
	AGRIDEX			1.0 % v/v	POST	B			
							Mean =	174.9	
8	SL-575D	6.49 EC		18.0 oz/a	PRE	A	108	163.1	
	ATRAZINE	4 L		16.0 oz/a	PRE	A	211	208.9	
	SL-575D	6.49 EC		18.0 oz/a	POST	B	309	214.0	
	ATRAZINE	4 L		16.0 oz/a	POST	B			
	AGRIDEX			1.0 % v/v	POST	B			
							Mean =	195.3	
9	RESICORE	3.29 SL		40.0 oz/a	PRE	A	109	188.5	
	ATRAZINE	4 L		16.0 oz/a	PRE	A	201	219.1	
	RESICORE	3.29 SL		40.0 oz/a	POST	B	306	198.7	
	ATRAZINE	4 L		16.0 oz/a	POST	B			
	AGRIDEX			1.0 % v/v	POST	B			
							Mean =	202.1	
10	ACURON	3.44 SC		40.0 oz/a	PRE	A	110	203.8	
	ACURON	3.44 SC		40.0 oz/a	POST	B	207	208.9	
	AGRIDEX			1.0 % v/v	POST	B	303	193.6	
							Mean =	202.1	

SHIELDEX FOR WEED CONTROL IN FIELD CORN	
Trial ID: CN-14-20	Study Dir.: JAY TURNER
Location: PONDER FARM	Investigator: Eric P. Prostko

Weed Code							-----
Crop Code							ZEAMA
Part Rated							PLOT -
Rating Data Type							YIELD
Rating Unit							BU/A
Rating Date							Aug-26-20
PRM Data Type							TY1
# Subsamples, Dec.							- 1
Trt Treatment	Form	Form	Rate	Grow	Appl		
No. Name	Conc	Type	Rate Unit	Stg	Code	Plot	21
11 ARMEZON PRO	5.35	SC	20.0 oz/a	PRE	A	111	183.4
ATRAZINE	4	L	16.0 oz/a	PRE	A	203	219.1
ATRAZINE	4	L	16.0 oz/a	POST	B	310	193.6
ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B		
AGRIDEX			1.0 % v/v	POST	B		
					Mean =		198.7
12 HARNESS MAX	3.85	SC	55.0 oz/a	PRE	A	112	203.8
ATRAZINE	4	L	16.0 oz/a	PRE	A	208	219.1
ATRAZINE	4	L	16.0 oz/a	POST	B	311	168.2
ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B		
AGRIDEX			1.0 % v/v	POST	B		
					Mean =		197.0
13 ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	113	183.4
ATRAZINE	4	L	64.0 oz/a	POST	B	214	127.4
PROWL H20	3.8	SC	32.0 oz/a	POST	B	307	208.9
					Mean =		173.2
14 NTC						114	.
						210	163.1
						302	147.8
					Mean =		155.4

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SHIELDEX FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-14-20 Study Dir.: JAY TURNER
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

Amapa = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
Rapra = RADISH, WILD / RAPHANUS RAPHANISTRUM L.

Part Rated

Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)

Leaf = LEAF / FOLIAGE

PRM Data Type

TY1 = 5.095501*[20]