

University of Georgia

PRE WEED CONTROL IN FIELD CORN			
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT			
Trial ID:	CN-03-25	Study Dir.:	Z. TAYLOR
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
Mix Size: 1.5 L

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC					A			-	101	202	312	413
2	SHIELDEX 400SC AATREX GROUNDED	3.33 4 L	SC	1.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	A A A	15 GPA 15 GPA 15 GPA	0.7812 mL/mx 25.0 mL/mx 12.45 mL/mx	1461.8 mL	102	213	301	406
3	EMPYROS (HM1812A) AATREX GROUNDED	3.82 4 L	EC	24.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	A A A	15 GPA 15 GPA 15 GPA	18.75 mL/mx 25.0 mL/mx 12.45 mL/mx	1443.8 mL	103	210	308	409
4	EMPYROS (HM1812A) AATREX GROUNDED	3.82 4 L	EC	32.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	A A A	15 GPA 15 GPA 15 GPA	25.0 mL/mx 25.0 mL/mx 12.45 mL/mx	1437.6 mL	104	212	310	408
5	ACURON GROUNDED	3.44	LC	80.0 oz/a 0.83 % v/v	PRE PRE	A A	15 GPA 15 GPA	62.5 mL/mx 12.45 mL/mx	1425.1 mL	105	203	314	412
6	BICEP II MAGNUM GROUNDED	5.5	SC	64.0 oz/a 0.83 % v/v	PRE PRE	A A	15 GPA 15 GPA	50.0 mL/mx 12.45 mL/mx	1437.6 mL	106	214	302	401
7	RAMBLER (HM2412) AATREX GROUNDED	6.498 4 L	EC	30.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	A A A	15 GPA 15 GPA 15 GPA	23.44 mL/mx 25.0 mL/mx 12.45 mL/mx	1439.1 mL	107	211	303	405
8	RAMBLER (HM2412) AATREX GROUNDED	6.498 4 L	EC	36.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	A A A	15 GPA 15 GPA 15 GPA	28.12 mL/mx 25.0 mL/mx 12.45 mL/mx	1434.4 mL	108	207	311	402
9	TESTAMENT (HM2156) AATREX GROUNDED	3.83 4 L	EC	11.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	A A A	15 GPA 15 GPA 15 GPA	8.594 mL/mx 25.0 mL/mx 12.45 mL/mx	1454 mL	109	205	306	410
10	TESTAMENT (HM2156) GROUNDED	3.83	EC	11.0 oz/a 0.83 % v/v	PRE PRE	A A	15 GPA 15 GPA	8.594 mL/mx 12.45 mL/mx	1479 mL	110	209	304	403
11	TESTAMENT (HM2156) AATREX GROUNDED	3.83 4 L	EC	21.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	A A A	15 GPA 15 GPA 15 GPA	16.41 mL/mx 25.0 mL/mx 12.45 mL/mx	1446.1 mL	111	201	313	414
12	TESTAMENT (HM2156) GROUNDED	3.83	EC	21.0 oz/a 0.83 % v/v	PRE PRE	A A	15 GPA 15 GPA	16.41 mL/mx 12.45 mL/mx	1471.1 mL	112	208	307	404
13	RESTRAINT CALLISTO AATREX INDUCE AMSOL	6.498 4 SC 4 L	EC	36.0 oz/a 3.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST POST POST POST	A B B B B	15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	28.12 mL/mx 2.344 mL/mx 25.0 mL/mx 3.75 mL/mx 37.5 mL/mx	1471.9 mL 1431.4 mL	113	204	305	411
14	BICEP II MAGNUM SHIELDEX 400SC AATREX ROUNDUP P-MAX3 AMSOL	5.5 3.33 4 L 5.88	SC SC L SL	53.0 oz/a 1.35 oz/a 32.0 oz/a 32.0 oz/a 2.5 % v/v	PRE POST POST POST POST	A B B B B	15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	41.41 mL/mx 1.055 mL/mx 25.0 mL/mx 25.0 mL/mx 37.5 mL/mx	1458.6 mL 1411.4 mL	114	206	309	407

Sort Order: Treatment

Trial Comments

EMPYROS = S-MOC (3.72 LBS/GAL) +TOLPYRALATE (0.1 LBS/GAL)

ACURON = ATRAZINE (4 LBS/GAL) + BICYCLOPYRONE (0.06 LBS/GAL) + MESOTRIONE = (0.24 LBS/GAL) + S-MOC (2.14 LBS/GAL)

BICEP II MAGNUM = ATRAZINE (3.1 LBS/GAL) + S-MOC (2.4 LBS/GAL)

RAMBLER = ACETOCHLOR (6.404 LBS/GAL) + TOLPYRALATE (0.094 LBS/GAL)

TESTAMENT = PYROXASULFONE (0.421 LBS/GAL) + SAFLUFENACIL (0.5 LBS/GAL) + DIMETHENAMID-P (2.92 LBS/GAL)

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PRE WEED CONTROL IN FIELD CORN			
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT			
Trial ID:	CN-03-25	Study Dir.:	Z. TAYLOR
Location:	PONDER FARM	Investigator:	Eric P. Prostko

RESTRAINT = ACETOCHLOR (6.404 LBS/GAL) + TOLPYRALTE (0.094 LBS/GAL) + DICHLORMID (SAFENER)

0.83% V/V = 16 OZ/A

MISSING DATA IN PLOTS 105, 205, 305, 405 DUE TO COMBINE PROBLEMS.

HARVEST DATE: 08/27/25
HARVEST MOISTURE: 15.25%
YIELDS ADJUSTED TO 15.5%

SUMMARY:

1) CORN STAND WAS NOT REDUCED BY ANY TREATMENT ($P > 0.18$).

2) ON APRIL 30 (26 DAYS AFTER THE PRE TRTS AND 3 DAYS AFTER THE POST TREATMENTS), CORN HEIGHTS WERE REDUCED BY THE FOLLOWING TREATMENTS:

A) RAMBLER @ 30 OZ/A OR 36 OZ/A + ATRAZINE (PRE)
B) TESTAMENT AT 11 OZ/A OR 21 OZ/A (PRE)
C) TESTAMENT @ 21 OZ/A + ATRAZINE @ 32 OZ/A (PRE)

3) ON MAY 15 (18 DAYS AFTER THE POST TREATMENTS), NO CORN HEIGHT REDUCTIONS WERE OBSERVED ($P = 0.4449$).

4) ALL TREATMENTS CAUSED EARLY SEASON BLEACHING AND STUNTING.

5) AT 21 DAT (APRIL 25), ALL PRE TREATMENTS PROVED GOOD-EXCELLENT CONTROL OF PALMER AMARANTH AND ANNUAL GRASSES (>89% CONTROL) EXCEPT FOR THE FOLLOWING:

A) SHIELDDEX + ATRAZINE - 54% CONTROL OF ANNUAL GRASSES
B) EMPYROS @ 24 OZ/A + ATRAZINE: 85% CONTROL OF ANNUAL GRASSES

6) AT 21 DAT (APRIL 26), WILD RADISH CONTROL EXCEEDED 80% WITH ALL PRE TREATMENTS EXCEPT FOR THE FOLLOWING:

A) EMPYROS @ 24 OZ/A + ATRAZINE (66% CONTRL)
B) BICEP II MAGNUM (78% CONTROL)
C) TESTAMENT @ 11 OZ/A (51 % CONTROL)

7) CARPETWEED CONTROL WITH ALL TREATMENTS WAS EXCELLENT (99%).

8) AT HARVEST (AUGUST 19), THE LEAST AMOUNT OF TOTAL WEED COVER WAS OBSERVED IN THE RESTRAINT (PRE) FB CALLISTO + ATRAZINE TREATED PLOTS. PALMER AMARANTH CONTROL AT THIS TIME EXCEEDED 87% CONTROL WITH ALL TREATMENTS.

9) CORN YIELDS FROM HERBICIDE TREATED PLOTS WERE GREATER THAN THE NTC. GENERALLY, NO DIFFERENCES IN CORN YIELD WERE OBSERVED BETWEEN TREATMENTS EXCEPT FOR THE FOLLOWING:

A) ACURON + GROUNDED (PRE) AND RESTRAINT (PRE) FB CALLISTO + ATRAZINE (POST) TREATED PLOTS HAD LOWER YIELDS THAN BICEP II MAGNUM + GROUNDED (PRE) TREATED PLOTS.

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PRE WEED CONTROL IN FIELD CORN
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT
Trial ID: CN-03-25 Study Dir.: Z. TAYLOR
Location: PONDER FARM Investigator: Eric P. Prostko

Study Director: Z. TAYLOR Title: _____
Affiliation: _____
Postal Code: _____

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

TRIAL LOCATION
City: _____ Trial Status: E
State/Prov.: _____ Trial Reliability: _____
Postal Code: _____ Initiation Date: _____
Country: _____ Planned Completion Date: _____
E-Longitude of LL Corner °: _____ N-Latitude of LL Corner °: _____
Altitude of LL Corner: _____ Unit: _____ Angle y-axis to North °: _____
Directions: _____

COOPERATOR/LANDOWNER
Cooperator: _____ Country: _____
Org: _____ Phone No: _____
Address 1: _____ Fax No: _____
Address 2: _____
City: _____
State/Prov: _____
Postal Code: _____

Conducted Under GLP (Y/N): N Conducted Under GEP (Y/N): N
Guidelines: _____ Guideline Description: _____

Objective:

Conclusions:

CROP AND WEED DESCRIPTION			
Weed	Code	Common Name	Scientific Name
1.	AGRASS	TX	APN/CRB/GOOSE/CROW
2.	AMAPA	PA	LMER AMARANTH
3.	RAPRA	WI	LD RADISH
4.	CYPES	NU	TSEDGE SP.
5.	MOLVE	CA	RPETWEED

Crop 1: ZEAMA FIELD CORN Variety: DKC6895
Planting Date: Apr-3-25 Planting Method: MONOSEM
Rate: 31114 S/A Depth: 2 IN Perennial Age: _____
Row Spacing: 36 IN Spacing Within Row: _____ Seed Bed: _____
Soil Temperature: _____ Soil Moisture: _____ Emergence Date: _____

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

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.	PEANUT		2024

MAINTENANCE
Field Prep./Maintenance: 750 LBS/A 5-15-30 - PREPLANT
AXILO BMZ @ 2 LB/A: APRIL 17
50-0-0 LBS/A: APRIL 22
83-0-0-10 LBS/A: APRIL 30, MAY 6, MAY 14

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Trial ID: CN-03-25 Study Dir.: Z. TAYLOR
Location: PONDER FARM Investigator: Eric P. Prostko

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

% Sand: 94 % OM: 0.61 Texture: SAND
% Silt: 4 pH: 6.0 Soil Name: DOTHAN
% Clay: 2 CEC: 2.6 Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-4-25		0.3	IN	SPRINKLER - LATERAL MOVE		
2.	Apr-7-25		4.9	IN	RAINFALL		
3.	Apr-11-25		0.1	IN	RAINFALL		
4.	Apr-15-25		0.2	IN	SPRINKLER - LATERAL MOVE		
5.	Apr-17-25		0.3	IN	SPRINKLER - LATERAL MOVE		
6.	Apr-27-25		0.8	IN	RAINFALL		
7.	May-1-25		0.5	IN	SPRINKLER - LATERAL MOVE		
8.	May-3-25		0.5	IN	SPRINKLER - LATERAL MOVE		
9.	May-6-25		0.5	IN	SPRINKLER - LATERAL MOVE		
10.	May-9-25		0.47	IN	RAINFALL		
11.	May-10-25		0.11	IN	RAINFALL		
12.	May-11-25		0.42	IN	RAINFALL		
13.	May-16-25		0.5	IN	SPRINKLER - LATERAL MOVE		
14.	May-18-25		0.15	IN	SPRINKLER - LATERAL MOVE		
15.	May-19-25		0.4	IN	SPRINKLER - LATERAL MOVE		
16.	May-21-25		0.5	IN	SPRINKLER - LATERAL MOVE		
17.	May-21-25		0.3	IN	RAINFALL		
18.	May-23-25		0.5	IN	SPRINKLER - LATERAL MOVE		
19.	May-26-25		0.5	IN	SPRINKLER - LATERAL MOVE		

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

APPLICATION DESCRIPTION

	A	B
Application Date:	Apr-4-25	Apr-27-25
Time of Day:	7:00 AM	6:45 AM
Application Method:	BROADCAST	BROADCAST
Application Timing:	PRE	POST
Applic. Placement:	FOLIAGE	FOLIAGE
Air Temp., Unit:	66 F	65 F
% Relative Humidity:	99	95
Wind Velocity, Unit:	1 MPH	0 MPH
Dew Presence (Y/N):	Y	Y
Water Hardness:	--	--
Soil Temp., Unit:	70 F	70 F
Soil Moisture:	OPTIMUM	DRY
% Cloud Cover:	10	5

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 Trial ID: CN-03-25 Study Dir.: Z. TAYLOR
 Location: PONDER FARM Investigator: Eric P. Prostko

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMA,	ZEAMA,
Stage Scale:		V5-V6
Height, Unit:		8, IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	AGRAS,	AGRAS,
Stage Scale:		
Density, Unit:		1-3 IN
Weed 2 Code, Stage:	AMAPA,	AMAPA,
Stage Scale:		
Density, Unit:		1-2 IN
Weed 3 Code, Stage:	RAPRA,	RAPRA,
Stage Scale:		
Density, Unit:		1-3 IN
Weed 4 Code, Stage:	CYPES,	CYPES,
Stage Scale:		
Density, Unit:		3-6 IN
Weed 5 Code, Stage:	MOLVE,	MOLVE,
Stage Scale:		
Density, Unit:		1 IN

APPLICATION EQUIPMENT

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

Trt No	Treatment Application Comment

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Trial ID:			CN-03-25			Study Dir.:			Z. TAYLOR			
Location:			PONDER FARM			Investigator:			Eric P. Prostko			
Weed Code							-----	-----	-----	-----	-----	
Crop Code							ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	
Rating Data Type							Stunting	Bleaching	Necrosis	Stunting	Bleaching	Necrosis
Rating Unit							%	%	%	%	%	%
Rating Date							Apr-11-25	Apr-11-25	Apr-11-25	Apr-18-25	Apr-18-25	Apr-18-25
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	1	2	3	4	5	6
1	NTC						0.0 c	1.3 d	0.0 na	0.0 -	0.0 c	0.0 na
2	SHIELDDEX 400SC	3.33	SC	1.0 oz/a	PRE		0.0 c	5.0 abc	0.0 na	0.0 -	2.5 abc	0.0 na
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
3	EMPYROS (HM1812A)	3.82	EC	24.0 oz/a	PRE		0.0 c	7.5 a	0.0 na	0.0 -	2.5 abc	0.0 na
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
4	EMPYROS (HM1812A)	3.82	EC	32.0 oz/a	PRE		1.3 bc	6.3 ab	0.0 na	0.0 -	1.3 bc	0.0 na
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
5	ACURON	3.44	LC	80.0 oz/a	PRE		0.0 c	3.8 bcd	0.0 na	0.0 -	2.5 abc	0.0 na
	GROUNDED			0.83 % v/v	PRE							
6	BICEP II MAGNUM	5.5	SC	64.0 oz/a	PRE		0.0 c	5.0 abc	0.0 na	0.0 -	5.0 a	0.0 na
	GROUNDED			0.83 % v/v	PRE							
7	RAMBLER (HM2412)	6.498	EC	30.0 oz/a	PRE		2.5 b	3.8 bcd	0.0 na	0.0 -	2.5 abc	0.0 na
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
8	RAMBLER (HM2412)	6.498	EC	36.0 oz/a	PRE		5.0 a	1.3 d	0.0 na	1.3 -	0.0 c	0.0 na
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
9	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE		1.3 bc	5.0 abc	0.0 na	0.0 -	3.8 ab	0.0 na
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
10	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE		0.0 c	6.3 ab	0.0 na	0.0 -	5.0 a	0.0 na
	GROUNDED			0.83 % v/v	PRE							
11	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE		1.3 bc	2.5 cd	0.0 na	0.0 -	3.8 ab	0.0 na
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
12	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE		1.3 bc	3.8 bcd	0.0 na	0.0 -	5.0 a	0.0 na
	GROUNDED			0.83 % v/v	PRE							
13	RESTRAINT	6.498	EC	36.0 oz/a	PRE		6.3 a	2.5 cd	0.0 na	1.3 -	1.3 bc	0.0 na
	CALLISTO	4 SC		3.0 oz/a	POST							
	AATREX	4 L		32.0 oz/a	POST							
	INDUCE			0.25 % v/v	POST							
	AMSOL			2.5 % v/v	POST							
14	BICEP II MAGNUM	5.5	SC	53.0 oz/a	PRE		0.0 c	5.0 abc	0.0 na	0.0 -	0.0 c	0.0 na
	SHIELDDEX 400SC	3.33	SC	1.35 oz/a	POST							
	AATREX	4 L		32.0 oz/a	POST							
	ROUNDUP P-MAX3	5.88	SL	32.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
LSD P=.10							2.44	2.53	.	1.14	2.60	.
Standard Deviation							2.05	2.13	0.00	0.96	2.18	0.00
CV							153.04	50.67	0.0	535.89	87.29	0.0
Grand Mean							1.34	4.20	0.00	0.18	2.50	0.00
Replicate F							0.390	9.577	NaN	0.650	6.250	NaN
Replicate Prob(F)							0.7611	0.0001	NaN	0.5877	0.0014	NaN
Treatment F							3.768	3.106	NaN	0.900	2.827	NaN
Treatment Prob(F)							0.0006	0.0031	NaN	0.5604	0.0061	NaN

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=47.48

Could not calculate LSD (% mean diff) or mean separation letters for columns 3,6,24,25,29,31,32,36 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

^Calculated from residual.

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Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							RAPRA	AGRASS	-----	-----	-----	-----
Crop Code							CONTROL	CONTROL	ZEAMA	ZEAMA	ZEAMA	ZEAMA
Rating Data Type							%	%	Stand	Stunting	Bleaching	Chlorosis
Rating Unit							Apr-18-25	Apr-18-25	#/25ft	%	%	%
Rating Date							Apr-18-25	Apr-18-25	Apr-18-25	Apr-25-25	Apr-25-25	Apr-25-25
Trt	Treatment	Form	Form	Rate	Grow		7	8	9	10	11	12
No.	Name	Conc	Type	Unit	Stg							
1	NTC						0.0 e	0.0 c	55.5 -	0.0 d	0.0 -	0.0 -
2	SHIELDDEX 400SC	3.33	SC	1.0 oz/a	PRE		94.5 abc	62.3 b	54.8 -	0.0 d	0.0 -	0.0 -
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDDED			0.83 % v/v	PRE							
3	EMPYROS (HM1812A)	3.82	EC	24.0 oz/a	PRE		78.5 d	90.5 a	55.0 -	1.3 d	0.0 -	0.0 -
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDDED			0.83 % v/v	PRE							
4	EMPYROS (HM1812A)	3.82	EC	32.0 oz/a	PRE		89.5 a-d	98.0 a	54.5 -	7.5 bc	0.0 -	0.0 -
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDDED			0.83 % v/v	PRE							
5	ACURON	3.44	LC	80.0 oz/a	PRE		95.5 ab	99.0 a	54.3 -	8.8 ab	1.3 -	0.0 -
	GROUNDDED			0.83 % v/v	PRE							
6	BICEP II MAGNUM	5.5	SC	64.0 oz/a	PRE		84.8 bcd	99.0 a	54.8 -	6.3 bc	1.3 -	0.0 -
	GROUNDDED			0.83 % v/v	PRE							
7	RAMBLER (HM2412)	6.498	EC	30.0 oz/a	PRE		92.3 abc	99.0 a	53.8 -	8.8 ab	0.0 -	0.0 -
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDDED			0.83 % v/v	PRE							
8	RAMBLER (HM2412)	6.498	EC	36.0 oz/a	PRE		95.8 ab	99.0 a	53.0 -	12.5 a	0.0 -	1.3 -
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDDED			0.83 % v/v	PRE							
9	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE		95.8 ab	98.0 a	54.8 -	8.8 ab	0.0 -	0.0 -
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDDED			0.83 % v/v	PRE							
10	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE		83.5 cd	99.0 a	53.5 -	6.3 bc	0.0 -	0.0 -
	GROUNDDED			0.83 % v/v	PRE							
11	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE		99.0 a	98.0 a	54.5 -	10.0 ab	1.3 -	0.0 -
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDDED			0.83 % v/v	PRE							
12	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE		98.0 a	99.0 a	53.5 -	12.5 a	0.0 -	0.0 -
	GROUNDDED			0.83 % v/v	PRE							
13	RESTRAINT	6.498	EC	36.0 oz/a	PRE		97.0 a	99.0 a	53.8 -	12.5 a	0.0 -	0.0 -
	CALLISTO	4 SC		3.0 oz/a	POST							
	AATREX	4 L		32.0 oz/a	POST							
	INDUCE			0.25 % v/v	POST							
	AMSOL			2.5 % v/v	POST							
14	BICEP II MAGNUM	5.5	SC	53.0 oz/a	PRE		88.5 a-d	98.0 a	54.5 -	3.8 cd	0.0 -	0.0 -
	SHIELDDEX 400SC	3.33	SC	1.35 oz/a	POST							
	AATREX	4 L		32.0 oz/a	POST							
	ROUNDUP P-MAX3	5.88	SL	32.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
LSD P=.10							11.46	15.05	1.38	3.86	1.41	0.80
Standard Deviation							9.62	12.63	1.16	3.24	1.19	0.67
CV							11.29	14.29	2.13	45.88	442.99	748.33
Grand Mean							85.18	88.41	54.29	7.05	0.27	0.09
Replicate F							1.843	0.928	17.583	0.725	0.317	1.000
Replicate Prob(F)							0.1553	0.4366	0.0001	0.5435	0.8129	0.4031
Treatment F							27.592	18.627	1.436	7.400	0.805	1.000
Treatment Prob(F)							0.0001	0.0001	0.1869	0.0001	0.6515	0.4697

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=47.48

Could not calculate LSD (% mean diff) or mean separation letters for columns 3,6,24,25,29,31,32,36 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

^Calculated from residual.

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PRE WEED CONTROL IN FIELD CORN EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT												
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							AMAPA	RAPRA	AGRASS	-----	-----	-----
Crop Code							CONTROL	CONTROL	CONTROL	ZEAMA	ZEAMA	ZEAMA
Rating Data Type							%	%	%	STAND	HGT1	HGT2
Rating Unit							Apr-25-25	Apr-25-25	Apr-25-25	#/5 FT	CM	CM
Rating Date							Apr-25-25	Apr-25-25	Apr-25-25	Apr-30-25	Apr-30-25	Apr-30-25
Trt	Treatment	Form	Form	Rate	Grow		13	14	15	16	17	18
No.	Name	Conc	Type	Unit	Stg							
1	NTC						0.0 c	0.0 h	0.0 f	11.5 -	27.3 a	27.5 ab
2	SHIELDDEX 400SC	3.33	SC	1.0 oz/a	PRE		96.8 ab	79.8 de	53.8 e	10.8 -	26.0 abc	27.8 a
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
3	EMPYROS (HM1812A)	3.82	EC	24.0 oz/a	PRE		99.0 a	66.3 ef	84.5 d	11.0 -	26.3 ab	25.8 abc
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
4	EMPYROS (HM1812A)	3.82	EC	32.0 oz/a	PRE		99.0 a	81.3 cd	95.8 ab	11.5 -	24.5 a-d	24.8 bcd
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
5	ACURON	3.44	LC	80.0 oz/a	PRE		99.0 a	99.0 a	99.0 a	11.0 -	23.5 a-d	25.3 a-d
	GROUNDED			0.83 % v/v	PRE							
6	BICEP II MAGNUM	5.5	SC	64.0 oz/a	PRE		98.0 ab	77.5 de	95.8 ab	11.3 -	25.8 abc	25.8 abc
	GROUNDED			0.83 % v/v	PRE							
7	RAMBLER (HM2412)	6.498	EC	30.0 oz/a	PRE		95.5 b	86.3 a-d	95.8 ab	10.8 -	21.8 cde	22.5 de
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
8	RAMBLER (HM2412)	6.498	EC	36.0 oz/a	PRE		99.0 a	88.8 a-d	98.0 ab	11.8 -	21.8 cde	21.3 e
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
9	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE		99.0 a	80.0 de	89.8 bcd	11.5 -	26.3 ab	23.3 cde
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
10	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE		99.0 a	51.3 g	95.5 abc	10.8 -	23.0 a-e	23.5 cde
	GROUNDED			0.83 % v/v	PRE							
11	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE		99.0 a	95.8 abc	95.5 abc	11.0 -	22.3 b-e	23.0 cde
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
12	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE		99.0 a	97.0 ab	98.0 ab	11.3 -	19.0 e	21.0 e
	GROUNDED			0.83 % v/v	PRE							
13	RESTRAINT	6.498	EC	36.0 oz/a	PRE		99.0 a	82.5 bcd	99.0 a	11.0 -	20.8 de	22.8 de
	CALLISTO	4 SC		3.0 oz/a	POST							
	AATREX	4 L		32.0 oz/a	POST							
	INDUCE			0.25 % v/v	POST							
	AMSOL			2.5 % v/v	POST							
14	BICEP II MAGNUM	5.5	SC	53.0 oz/a	PRE		99.0 a	60.0 fg	87.0 cd	11.3 -	26.5 ab	27.3 ab
	SHIELDDEX 400SC	3.33	SC	1.35 oz/a	POST							
	AATREX	4 L		32.0 oz/a	POST							
	ROUNDUP P-MAX3	5.88	SL	32.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
LSD P=.10							2.74	14.52	8.56	1.12	4.49	2.80
Standard Deviation							2.30	12.19	7.18	0.94	3.77	2.35
CV							2.52	16.32	8.47	8.41	15.78	9.65
Grand Mean							91.45	74.66	84.80	11.16	23.89	24.38
Replicate F							0.821	2.433	2.820	0.723	0.524	0.708
Replicate Prob(F)							0.4902	0.0794	0.0514	0.5442	0.6683	0.5529
Treatment F							523.697	17.498	56.802	0.463	1.819	3.631
Treatment Prob(F)							0.0001	0.0001	0.0001	0.9321	0.0746	0.0009

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=47.48

Could not calculate LSD (% mean diff) or mean separation letters for columns 3,6,24,25,29,31,32,36 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

^Calculated from residual.

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PRE WEED CONTROL IN FIELD CORN EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT											
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR					
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code					----- ZEAMA HGT3 CM Apr-30-25	----- ZEAMA HGT4 CM Apr-30-25	----- ZEAMA HGT5 CM Apr-30-25	----- ZEAMA HGT-AVG CM Apr-30-25	----- ZEAMA Stunting % May-2-25	----- ZEAMA Bleaching % May-2-25	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	19	20	21	22	23	24
1	NTC					26.3 ab	26.3 -	24.3 a-e	26.3 ab	0.0 i	0.0 na
2	SHIELDDEX 400SC AATREX GROUNDED	3.33 4 L	SC	1.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	28.3 a	24.5 -	27.5 a	26.8 a	2.5 hi	0.0 na
3	EMPYROS (HM1812A) AATREX GROUNDED	3.82 4 L	EC	24.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	25.5 abc	26.0 -	27.0 a	26.1 abc	6.3 f-i	0.0 na
4	EMPYROS (HM1812A) AATREX GROUNDED	3.82 4 L	EC	32.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	24.3 bc	24.3 -	25.0 a-d	24.6 a-d	10.0 c-g	0.0 na
5	ACURON GROUNDED	3.44	LC	80.0 oz/a 0.83 % v/v	PRE PRE	22.3 cde	23.5 -	26.0 ab	24.1 bcd	8.8 d-h	0.0 na
6	BICEP II MAGNUM GROUNDED	5.5	SC	64.0 oz/a 0.83 % v/v	PRE PRE	23.8 bcd	26.3 -	25.5 abc	25.4 abc	7.5 e-h	0.0 na
7	RAMBLER (HM2412) AATREX GROUNDED	6.498 4 L	EC	30.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	23.0 b-e	23.0 -	23.3 b-f	22.7 def	15.0 bcd	0.0 na
8	RAMBLER (HM2412) AATREX GROUNDED	6.498 4 L	EC	36.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	19.5 e	20.8 -	22.3 c-f	21.1 ef	17.5 ab	0.0 na
9	TESTAMENT (HM2156) AATREX GROUNDED	3.83 4 L	EC	11.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	23.3 b-e	23.5 -	22.0 def	23.7 b-e	11.3 b-f	0.0 na
10	TESTAMENT (HM2156) GROUNDED	3.83	EC	11.0 oz/a 0.83 % v/v	PRE PRE	24.0 bc	25.0 -	22.5 c-f	23.6 cde	13.8 b-e	0.0 na
11	TESTAMENT (HM2156) AATREX GROUNDED	3.83 4 L	EC	21.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	24.0 bc	22.3 -	21.5 ef	22.6 def	16.3 bc	0.0 na
12	TESTAMENT (HM2156) GROUNDED	3.83	EC	21.0 oz/a 0.83 % v/v	PRE PRE	20.0 de	20.8 -	20.0 f	20.2 f	23.8 a	0.0 na
13	RESTRAINT CALLISTO AATREX INDUCE AMSOL	6.498 4 SC 4 L	EC	36.0 oz/a 3.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST POST POST POST	23.8 bcd	23.3 -	22.3 c-f	22.6 def	17.5 ab	0.0 na
14	BICEP II MAGNUM SHIELDDEX 400SC AATREX ROUNDUP P-MAX3 AMSOL	5.5 3.33 4 L 5.88	SC SC L SL	53.0 oz/a 1.35 oz/a 32.0 oz/a 32.0 oz/a 2.5 % v/v	PRE POST POST POST POST	25.5 abc	25.0 -	25.3 a-d	25.9 abc	3.8 ghi	0.0 na
LSD P=.10						3.85	3.55	3.34	2.69	7.26	.
Standard Deviation						3.23	2.98	2.80	2.26	6.09	0.00
CV						13.56	12.48	11.74	9.42	55.48	0.0
Grand Mean						23.80	23.88	23.88	23.96	10.98	0.00
Replicate F						1.400	0.233	0.481	0.519	2.097	NaN
Replicate Prob(F)						0.2573	0.8730	0.6973	0.6720	0.1164	NaN
Treatment F						2.012	1.473	2.549	3.178	4.848	NaN
Treatment Prob(F)						0.0462	0.1718	0.0120	0.0026	0.0001	NaN

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=47.48

Could not calculate LSD (% mean diff) or mean separation letters for columns 3,6,24,25,29,31,32,36 because error variance is 0.

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^Calculated from residual.

University of Georgia

PRE WEED CONTROL IN FIELD CORN EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT												
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							----- ZEAMA	AMAPA	RAPRA	AGRASS	MOLVE	ZEAMA
Crop Code							----- Necrosis	CONTROL	CONTROL	CONTROL	CONTROL	STUNTING
Rating Data Type							%	%	%	%	%	%
Rating Unit							May-2-25	May-2-25	May-2-25	May-2-25	May-2-25	May-13-25
Rating Date												
Trt	Treatment	Form	Form	Rate	Grow		25	26	27	28	29	30
No.	Name	Conc	Type	Rate	Unit	Stg						
1	NTC						0.0 na	0.0 d	0.0 h	0.0 e	0.0 na	0.0 g
2	SHIELDDEX 400SC	3.33	SC	1.0 oz/a	PRE		0.0 na	87.3 c	67.5 efg	63.8 d	99.0 na	2.5 fg
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
3	EMPYROS (HM1812A)	3.82	EC	24.0 oz/a	PRE		0.0 na	98.0 a	57.5 g	83.5 c	99.0 na	7.5 efg
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
4	EMPYROS (HM1812A)	3.82	EC	32.0 oz/a	PRE		0.0 na	99.0 a	76.3 def	94.5 ab	99.0 na	15.0 cde
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
5	ACURON	3.44	LC	80.0 oz/a	PRE		0.0 na	97.0 ab	92.3 abc	92.3 abc	99.0 na	13.8 de
	GROUNDED			0.83 % v/v	PRE							
6	BICEP II MAGNUM	5.5	SC	64.0 oz/a	PRE		0.0 na	93.5 ab	62.5 fg	83.8 c	99.0 na	12.5 def
	GROUNDED			0.83 % v/v	PRE							
7	RAMBLER (HM2412)	6.498	EC	30.0 oz/a	PRE		0.0 na	92.0 bc	81.3 cde	92.3 abc	99.0 na	20.0 bcd
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
8	RAMBLER (HM2412)	6.498	EC	36.0 oz/a	PRE		0.0 na	99.0 a	83.5 bcd	93.5 ab	99.0 na	25.0 abc
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
9	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE		0.0 na	99.0 a	83.5 bcd	87.5 bc	99.0 na	17.5 b-e
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
10	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE		0.0 na	98.0 a	12.5 h	97.0 a	99.0 na	13.8 de
	GROUNDED			0.83 % v/v	PRE							
11	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE		0.0 na	99.0 a	96.8 ab	96.8 a	99.0 na	18.8 bcd
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
12	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE		0.0 na	99.0 a	88.5 a-d	95.5 ab	99.0 na	32.5 a
	GROUNDED			0.83 % v/v	PRE							
13	RESTRAINT	6.498	EC	36.0 oz/a	PRE		0.0 na	99.0 a	99.0 a	99.0 a	99.0 na	26.3 ab
	CALLISTO	4 SC		3.0 oz/a	POST							
	AATREX	4 L		32.0 oz/a	POST							
	INDUCE			0.25 % v/v	POST							
	AMSOL			2.5 % v/v	POST							
14	BICEP II MAGNUM	5.5	SC	53.0 oz/a	PRE		0.0 na	99.0 a	99.0 a	99.0 a	99.0 na	10.0 d-g
	SHIELDDEX 400SC	3.33	SC	1.35 oz/a	POST							
	AATREX	4 L		32.0 oz/a	POST							
	ROUNDUP P-MAX3	5.88	SL	32.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
LSD P=.10							.	5.84	15.22	8.86	.	10.56
Standard Deviation							0.00	4.91	12.77	7.44	0.00	8.86
CV							0.0	5.46	17.88	8.84	0.0	57.72
Grand Mean							0.00	89.91	71.43	84.16	91.93	15.36
Replicate F							NaN	0.762	0.442	1.359	NaN	2.697
Replicate Prob(F)							NaN	0.5220	0.7244	0.2696	NaN	0.0590
Treatment F							NaN	113.362	22.933	48.554	NaN	4.105
Treatment Prob(F)							NaN	0.0001	0.0001	0.0001	NaN	0.0003

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=47.48

Could not calculate LSD (% mean diff) or mean separation letters for columns 3,6,24,25,29,31,32,36 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

^Calculated from residual.

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PRE WEED CONTROL IN FIELD CORN												
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT												
Trial ID:		CN-03-25			Study Dir.:		Z. TAYLOR					
Location:		PONDER FARM			Investigator:		Eric P. Prostko					
Weed Code							ZEAMA	ZEAMA	AMAPA	RAPRA	AGRASS	MOLVE
Crop Code							-----	-----	-----	-----	-----	-----
Rating Data Type							BLEACHING	NECROSIS	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Rating Date							May-13-25	May-13-25	May-13-25	May-13-25	May-13-25	May-13-25
Trt	Treatment	Form	Form	Rate	Grow		31	32	33	34	35	36
No.	Name	Conc	Type	Rate	Unit	Stg						
1	NTC						0.0 na	0.0 na	0.0 c	0.0 g	0.0 g	0.0 na
2	SHIELDDEX 400SC	3.33	SC	1.0 oz/a	PRE		0.0 na	0.0 na	88.5 b	85.0 bcd	43.8 f	99.0 na
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
3	EMPYROS (HM1812A)	3.82	EC	24.0 oz/a	PRE		0.0 na	0.0 na	98.0 a	73.8 de	72.5 e	99.0 na
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
4	EMPYROS (HM1812A)	3.82	EC	32.0 oz/a	PRE		0.0 na	0.0 na	99.0 a	77.5 cde	90.0 abc	99.0 na
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
5	ACURON	3.44	LC	80.0 oz/a	PRE		0.0 na	0.0 na	98.0 a	89.5 abc	87.5 abc	99.0 na
	GROUNDED			0.83 % v/v	PRE							
6	BICEP II MAGNUM	5.5	SC	64.0 oz/a	PRE		0.0 na	0.0 na	96.8 a	70.0 e	82.5 cde	99.0 na
	GROUNDED			0.83 % v/v	PRE							
7	RAMBLER (HM2412)	6.498	EC	30.0 oz/a	PRE		0.0 na	0.0 na	95.8 a	85.0 bcd	85.0 bcd	99.0 na
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
8	RAMBLER (HM2412)	6.498	EC	36.0 oz/a	PRE		0.0 na	0.0 na	98.0 a	89.8 abc	87.5 abc	99.0 na
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
9	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE		0.0 na	0.0 na	99.0 a	78.5 cde	76.3 de	99.0 na
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
10	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE		0.0 na	0.0 na	96.8 a	56.3 f	92.5 abc	99.0 na
	GROUNDED			0.83 % v/v	PRE							
11	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE		0.0 na	0.0 na	99.0 a	93.5 ab	94.5 ab	99.0 na
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
12	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE		0.0 na	0.0 na	99.0 a	92.0 ab	92.5 abc	99.0 na
	GROUNDED			0.83 % v/v	PRE							
13	RESTRAINT	6.498	EC	36.0 oz/a	PRE		0.0 na	0.0 na	99.0 a	99.0 a	98.0 a	99.0 na
	CALLISTO	4 SC		3.0 oz/a	POST							
	AATREX	4 L		32.0 oz/a	POST							
	INDUCE			0.25 % v/v	POST							
	AMSOL			2.5 % v/v	POST							
14	BICEP II MAGNUM	5.5	SC	53.0 oz/a	PRE		0.0 na	0.0 na	99.0 a	99.0 a	97.0 a	99.0 na
	SHIELDDEX 400SC	3.33	SC	1.35 oz/a	POST							
	AATREX	4 L		32.0 oz/a	POST							
	ROUNDUP P-MAX3	5.88	SL	32.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
LSD P=.10							.	.	4.36	12.37	11.03	.
Standard Deviation							0.00	0.00	3.66	10.39	9.26	0.00
CV							0.0	0.0	4.05	13.36	11.79	0.0
Grand Mean							0.00	0.00	90.41	77.77	78.54	91.93
Replicate F							NaN	NaN	0.934	0.084	1.372	NaN
Replicate Prob(F)							NaN	NaN	0.4335	0.9681	0.2655	NaN
Treatment F							NaN	NaN	204.736	23.748	32.781	NaN
Treatment Prob(F)							NaN	NaN	0.0001	0.0001	0.0001	NaN

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=47.48

Could not calculate LSD (% mean diff) or mean separation letters for columns 3,6,24,25,29,31,32,36 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

^Calculated from residual.

University of Georgia

PRE WEED CONTROL IN FIELD CORN EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT												
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							-----	-----	-----	-----	-----	-----
Crop Code							ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA
Rating Data Type							HGT1	HGT2	HGT3	HGT4	HGT5	HGT-AVG
Rating Unit							CM	CM	CM	CM	CM	CM
Rating Date							May-15-25	May-15-25	May-15-25	May-15-25	May-15-25	May-15-25
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	37	38	39	40	41	42
1	NTC						106.5 -	105.5 ab	105.0 -	102.0 ab	102.3 ab	104.3 a
2	SHIELDDEX 400SC	3.33	SC	1.0 oz/a	PRE		105.5 -	107.3 a	87.8 -	109.3 a	111.3 a	104.2 a
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
3	EMPYROS (HM1812A)	3.82	EC	24.0 oz/a	PRE		74.5 -	95.3 a-d	98.3 -	97.8 bcd	99.0 a-d	93.0 abc
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
4	EMPYROS (HM1812A)	3.82	EC	32.0 oz/a	PRE		95.5 -	98.0 a-d	95.8 -	96.0 bcd	97.8 b-e	96.6 abc
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
5	ACURON	3.44	LC	80.0 oz/a	PRE		96.8 -	100.0 a-d	97.5 -	98.0 a-d	98.0 b-e	98.1 abc
	GROUNDED			0.83 % v/v	PRE							
6	BICEP II MAGNUM	5.5	SC	64.0 oz/a	PRE		99.5 -	99.5 a-d	96.8 -	99.8 abc	102.0 abc	99.5 abc
	GROUNDED			0.83 % v/v	PRE							
7	RAMBLER (HM2412)	6.498	EC	30.0 oz/a	PRE		89.3 -	91.3 cd	86.8 -	92.0 b-e	89.5 def	89.8 bcd
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
8	RAMBLER (HM2412)	6.498	EC	36.0 oz/a	PRE		90.8 -	92.0 cd	93.5 -	90.0 cde	93.0 b-e	91.9 bc
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
9	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE		90.0 -	93.0 bcd	94.3 -	92.5 b-e	89.5 def	91.9 bc
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
10	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE		94.5 -	91.5 cd	93.5 -	95.5 bcd	92.8 b-e	93.6 abc
	GROUNDED			0.83 % v/v	PRE							
11	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE		87.8 -	89.5 de	89.8 -	88.3 de	86.3 ef	88.3 cd
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDED			0.83 % v/v	PRE							
12	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE		73.0 -	77.8 e	84.8 -	81.3 e	78.3 f	79.0 d
	GROUNDED			0.83 % v/v	PRE							
13	RESTRAINT	6.498	EC	36.0 oz/a	PRE		90.8 -	88.5 de	88.8 -	84.0 e	89.8 c-f	88.4 cd
	CALLISTO	4 SC		3.0 oz/a	POST							
	AATREX	4 L		32.0 oz/a	POST							
	INDUCE			0.25 % v/v	POST							
	AMSOL			2.5 % v/v	POST							
14	BICEP II MAGNUM	5.5	SC	53.0 oz/a	PRE		99.3 -	103.3 abc	101.3 -	101.0 abc	100.0 a-d	101.0 ab
	SHIELDDEX 400SC	3.33	SC	1.35 oz/a	POST							
	AATREX	4 L		32.0 oz/a	POST							
	ROUNDUP P-MAX3	5.88	SL	32.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
LSD P=.10							17.95	13.07	19.85	11.31	12.36	11.76
Standard Deviation							15.06	10.97	16.66	9.49	10.38	9.87
CV							16.3	11.53	17.76	10.01	10.93	10.47
Grand Mean							92.39	95.16	93.82	94.80	94.95	94.23
Replicate F							0.808	0.183	1.173	0.557	0.746	0.672
Replicate Prob(F)							0.4974	0.9076	0.3322	0.6463	0.5310	0.5743
Treatment F							1.682	2.024	0.485	2.472	2.508	1.984
Treatment Prob(F)							0.1045	0.0449	0.9201	0.0146	0.0134	0.0495

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=47.48

Could not calculate LSD (% mean diff) or mean separation letters for columns 3,6,24,25,29,31,32,36 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

^Calculated from residual.

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PRE WEED CONTROL IN FIELD CORN EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT												
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							AMAPA	Total	AMAPA	Total	-----	-----
Crop Code							-----	Weed	-----	Weed	ZEAMA	ZEAMA
Rating Data Type							Control	%	Control	Cover	YIELD	YIELD
Rating Unit							%	%	%	%	LBS/PLOT	BU/A
Rating Date							Jul-30-25	Jul-30-25	Aug-19-25	Aug-19-25	Aug-27-25	Aug-27-25
Trt	Treatment	Form	Form	Rate	Grow		43	44	45	46	47	48
No.	Name	Conc	Type	Rate	Unit	Stg						
1	NTC						0.0 e	95.0 a	0.0 d	87.5 a	40.0 c	208.0 c
2	SHIELDEX 400SC	3.33	SC	1.0 oz/a	PRE		83.8 d	70.0 b	93.5 ab	70.0 ab	50.8 ab	264.0 ab
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDEND			0.83 % v/v	PRE							
3	EMPYROS (HM1812A)	3.82	EC	24.0 oz/a	PRE		93.5 abc	37.5 cd	94.5 ab	47.5 cd	49.8 ab	258.8 ab
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDEND			0.83 % v/v	PRE							
4	EMPYROS (HM1812A)	3.82	EC	32.0 oz/a	PRE		94.8 ab	25.0 de	97.0 a	38.8 cd	49.3 ab	256.2 ab
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDEND			0.83 % v/v	PRE							
5	ACURON	3.44	LC	80.0 oz/a	PRE		97.0 a	36.3 cd	96.0 ab	40.0 cd	48.7 b	253.1 b
	GROUNDEND			0.83 % v/v	PRE							
6	BICEP II MAGNUM	5.5	SC	64.0 oz/a	PRE		87.5 bcd	53.8 bc	87.5 c	55.0 bc	52.5 a	273.1 a
	GROUNDEND			0.83 % v/v	PRE							
7	RAMBLER (HM2412)	6.498	EC	30.0 oz/a	PRE		86.3 cd	35.0 cd	93.5 ab	37.5 cde	50.0 ab	260.1 ab
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDEND			0.83 % v/v	PRE							
8	RAMBLER (HM2412)	6.498	EC	36.0 oz/a	PRE		94.8 ab	30.0 de	94.8 ab	32.5 de	50.8 ab	264.0 ab
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDEND			0.83 % v/v	PRE							
9	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE		99.0 a	27.5 de	95.8 ab	37.5 cde	49.3 ab	256.6 ab
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDEND			0.83 % v/v	PRE							
10	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE		94.8 ab	26.3 de	93.5 ab	36.3 cde	52.0 ab	270.5 ab
	GROUNDEND			0.83 % v/v	PRE							
11	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE		92.3 abc	37.5 cd	91.0 bc	47.5 cd	49.8 ab	258.8 ab
	AATREX	4 L		32.0 oz/a	PRE							
	GROUNDEND			0.83 % v/v	PRE							
12	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE		98.0 a	17.5 de	98.0 a	30.0 de	49.5 ab	257.5 ab
	GROUNDEND			0.83 % v/v	PRE							
13	RESTRAINT	6.498	EC	36.0 oz/a	PRE		98.0 a	8.8 e	97.0 a	18.8 e	49.0 b	254.9 b
	CALLISTO	4 SC		3.0 oz/a	POST							
	AATREX	4 L		32.0 oz/a	POST							
	INDUCE			0.25 % v/v	POST							
	AMSOL			2.5 % v/v	POST							
14	BICEP II MAGNUM	5.5	SC	53.0 oz/a	PRE		98.0 a	22.5 de	97.0 a	18.8 e	50.8 ab	264.0 ab
	SHIELDEX 400SC	3.33	SC	1.35 oz/a	POST							
	AATREX	4 L		32.0 oz/a	POST							
	ROUNDUP P-MAX3	5.88	SL	32.0 oz/a	POST							
	AMSOL			2.5 % v/v	POST							
LSD P=.10							7.83	21.54	5.47	19.36	3.40	17.68
Standard Deviation							6.58	18.08	4.59	16.25	2.84	14.80
CV							7.56	48.45	5.23	38.07	5.76	5.76
Grand Mean							86.96	37.32	87.79	42.68	49.43	257.08
Replicate F							0.138	1.273	1.983	1.680	4.637	4.637
Replicate Prob(F)							0.9366	0.2972	0.1324	0.1871	0.0078	0.0078
Treatment F							60.032	6.140	122.719	5.223	4.240	4.240
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0003	0.0003

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=47.48

Could not calculate LSD (% mean diff) or mean separation letters for columns 3,6,24,25,29,31,32,36 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

^Calculated from residual.

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PRE WEED CONTROL IN FIELD CORN			
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT			
Trial ID:	CN-03-25	Study Dir.:	Z. TAYLOR
Location:	PONDER FARM	Investigator:	Eric P. Prostko
Rating Unit			
% = PERCENT			
CM = CENTIMETER			
ARM Action Codes			
T1 = ([C17]+[C18]+[C19]+[C20]+[C21])/5			
T2 = ([C37]+[C38]+[C39]+[C40]+[C41])/5			
TY3 = 5.20105664*[47]			

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PRE WEED CONTROL IN FIELD CORN											
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT											
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR					
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code							-----	-----	-----	-----	-----
Crop Code							ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA
Rating Data Type							Stunting	Bleaching	Necrosis	Stunting	Bleaching
Rating Unit							%	%	%	%	%
Rating Date							Apr-11-25	Apr-11-25	Apr-11-25	Apr-18-25	Apr-18-25
Trt	Treatment	Form	Form	Rate	Grow	Plot	1	2	3	4	5
No.	Name	Conc	Type	Rate	Unit	Stg					6
1	NTC					101	0.0	5.0	0.0	0.0	0.0
						202	0.0	0.0	0.0	0.0	0.0
						312	0.0	0.0	0.0	0.0	0.0
						413	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	1.3	0.0	0.0	0.0
2	SHIELDDEX 400SC	3.33	SC	1.0 oz/a	PRE	102	0.0	5.0	0.0	0.0	5.0
						213	0.0	5.0	0.0	0.0	5.0
						301	0.0	5.0	0.0	0.0	0.0
						406	0.0	5.0	0.0	0.0	0.0
						Mean =	0.0	5.0	0.0	0.0	2.5
3	EMPYROS (HM1812A)	3.82	EC	24.0 oz/a	PRE	103	0.0	10.0	0.0	0.0	5.0
						210	0.0	5.0	0.0	0.0	5.0
						308	0.0	10.0	0.0	0.0	0.0
						409	0.0	5.0	0.0	0.0	0.0
						Mean =	0.0	7.5	0.0	0.0	2.5
4	EMPYROS (HM1812A)	3.82	EC	32.0 oz/a	PRE	104	5.0	10.0	0.0	0.0	5.0
						212	0.0	5.0	0.0	0.0	0.0
						310	0.0	5.0	0.0	0.0	0.0
						408	0.0	5.0	0.0	0.0	0.0
						Mean =	1.3	6.3	0.0	0.0	1.3
5	ACURON	3.44	LC	80.0 oz/a	PRE	105	0.0	5.0	0.0	0.0	5.0
						203	0.0	5.0	0.0	0.0	5.0
						314	0.0	5.0	0.0	0.0	0.0
						412	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	3.8	0.0	0.0	2.5
6	BICEP II MAGNUM	5.5	SC	64.0 oz/a	PRE	106	0.0	10.0	0.0	0.0	10.0
						214	0.0	5.0	0.0	0.0	5.0
						302	0.0	5.0	0.0	0.0	0.0
						401	0.0	0.0	0.0	0.0	5.0
						Mean =	0.0	5.0	0.0	0.0	5.0
7	RAMBLER (HM2412)	6.498	EC	30.0 oz/a	PRE	107	5.0	5.0	0.0	0.0	5.0
						211	0.0	0.0	0.0	0.0	5.0
						303	0.0	5.0	0.0	0.0	0.0
						405	5.0	5.0	0.0	0.0	0.0
						Mean =	2.5	3.8	0.0	0.0	2.5
8	RAMBLER (HM2412)	6.498	EC	36.0 oz/a	PRE	108	5.0	5.0	0.0	0.0	0.0
						207	5.0	0.0	0.0	5.0	0.0
						311	0.0	0.0	0.0	0.0	0.0
						402	10.0	0.0	0.0	0.0	0.0
						Mean =	5.0	1.3	0.0	1.3	0.0
9	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE	109	0.0	5.0	0.0	0.0	5.0
						205	0.0	5.0	0.0	0.0	5.0
						306	5.0	5.0	0.0	0.0	0.0
						410	0.0	5.0	0.0	0.0	5.0
						Mean =	1.3	5.0	0.0	0.0	3.8
10	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE	110	0.0	10.0	0.0	0.0	5.0
						209	0.0	5.0	0.0	0.0	10.0
						304	0.0	5.0	0.0	0.0	5.0
						403	0.0	5.0	0.0	0.0	0.0
						Mean =	0.0	6.3	0.0	0.0	5.0
11	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE	111	0.0	5.0	0.0	0.0	5.0
						201	0.0	0.0	0.0	0.0	5.0
						313	5.0	5.0	0.0	0.0	0.0
						414	0.0	0.0	0.0	0.0	5.0
						Mean =	1.3	2.5	0.0	0.0	3.8

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PRE WEED CONTROL IN FIELD CORN												
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT												
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							-----	-----	-----	-----	-----	
Crop Code							ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	
Rating Data Type							Stunting	Bleaching	Necrosis	Stunting	Bleaching	
Rating Unit							%	%	%	%	%	%
Rating Date							Apr-11-25	Apr-11-25	Apr-11-25	Apr-18-25	Apr-18-25	Apr-18-25
Trt	Treatment	Form	Form	Rate	Grow							
No.	Name	Conc	Type	Rate	Unit	Stg	Plot	1	2	3	4	
12	TESTAMENT (HM2156)	3.83	EC	21.0	oz/a	PRE	112	0.0	5.0	0.0	0.0	
	GROUND			0.83	% v/v	PRE	208	5.0	5.0	0.0	5.0	
							307	0.0	5.0	0.0	0.0	
							404	0.0	0.0	0.0	5.0	
							Mean =	1.3	3.8	0.0	5.0	
13	RESTRAINT	6.498	EC	36.0	oz/a	PRE	113	5.0	5.0	0.0	5.0	
	CALLISTO	4	SC	3.0	oz/a	POST	204	5.0	5.0	0.0	0.0	
	AATREX	4	L	32.0	oz/a	POST	305	5.0	0.0	0.0	5.0	
	INDUCE			0.25	% v/v	POST	411	10.0	0.0	0.0	0.0	
	AMSOL			2.5	% v/v	POST						
							Mean =	6.3	2.5	0.0	1.3	
14	BICEP II MAGNUM	5.5	SC	53.0	oz/a	PRE	114	0.0	5.0	0.0	0.0	
	SHIELDDEX 400SC	3.33	SC	1.35	oz/a	POST	206	0.0	10.0	0.0	0.0	
	AATREX	4	L	32.0	oz/a	POST	309	0.0	5.0	0.0	0.0	
	ROUNDUP P-MAX3	5.88	SL	32.0	oz/a	POST	407	0.0	0.0	0.0	0.0	
	AMSOL			2.5	% v/v	POST						
							Mean =	0.0	5.0	0.0	0.0	

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PRE WEED CONTROL IN FIELD CORN												
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT												
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							RAPRA	AGRASS	-----	-----	-----	-----
Crop Code							CONTROL	CONTROL	ZEAMA	ZEAMA	ZEAMA	ZEAMA
Rating Data Type							%	%	Stand	Stunting	Bleaching	Chlorosis
Rating Unit							%	%	#/25ft	%	%	%
Rating Date							Apr-18-25	Apr-18-25	Apr-18-25	Apr-25-25	Apr-25-25	Apr-25-25
Trt	Treatment	Form	Form	Rate	Grow	Plot						
No.	Name	Conc	Type	Rate	Unit	Stg	7	8	9	10	11	12
1	NTC					101	0.0	0.0	54.0	0.0	0.0	0.0
						202	0.0	0.0	56.0	0.0	0.0	0.0
						312	0.0	0.0	57.0	0.0	0.0	0.0
						413	0.0	0.0	55.0	0.0	0.0	0.0
						Mean =	0.0	0.0	55.5	0.0	0.0	0.0
2	SHIELDDEX 400SC	3.33	SC	1.0 oz/a	PRE	102	99.0	65.0	55.0	0.0	0.0	0.0
	AATREX	4 L		32.0 oz/a	PRE	213	99.0	99.0	53.0	0.0	0.0	0.0
	GROUNDLED			0.83 % v/v	PRE	301	95.0	0.0	56.0	0.0	0.0	0.0
						406	85.0	85.0	55.0	0.0	0.0	0.0
						Mean =	94.5	62.3	54.8	0.0	0.0	0.0
3	EMPYROS (HM1812A)	3.82	EC	24.0 oz/a	PRE	103	99.0	65.0	52.0	0.0	0.0	0.0
	AATREX	4 L		32.0 oz/a	PRE	210	85.0	99.0	54.0	0.0	0.0	0.0
	GROUNDLED			0.83 % v/v	PRE	308	65.0	99.0	57.0	0.0	0.0	0.0
						409	65.0	99.0	57.0	5.0	0.0	0.0
						Mean =	78.5	90.5	55.0	1.3	0.0	0.0
4	EMPYROS (HM1812A)	3.82	EC	32.0 oz/a	PRE	104	95.0	95.0	54.0	10.0	0.0	0.0
	AATREX	4 L		32.0 oz/a	PRE	212	99.0	99.0	54.0	5.0	0.0	0.0
	GROUNDLED			0.83 % v/v	PRE	310	65.0	99.0	56.0	5.0	0.0	0.0
						408	99.0	99.0	54.0	10.0	0.0	0.0
						Mean =	89.5	98.0	54.5	7.5	0.0	0.0
5	ACURON	3.44	LC	80.0 oz/a	PRE	105	99.0	99.0	52.0	10.0	0.0	0.0
	GROUNDLED			0.83 % v/v	PRE	203	99.0	99.0	55.0	10.0	5.0	0.0
						314	85.0	99.0	55.0	5.0	0.0	0.0
						412	99.0	99.0	55.0	10.0	0.0	0.0
						Mean =	95.5	99.0	54.3	8.8	1.3	0.0
6	BICEP II MAGNUM	5.5	SC	64.0 oz/a	PRE	106	99.0	99.0	53.0	10.0	5.0	0.0
	GROUNDLED			0.83 % v/v	PRE	214	65.0	99.0	54.0	0.0	0.0	0.0
						302	85.0	99.0	56.0	10.0	0.0	0.0
						401	90.0	99.0	56.0	5.0	0.0	0.0
						Mean =	84.8	99.0	54.8	6.3	1.3	0.0
7	RAMBLER (HM2412)	6.498	EC	30.0 oz/a	PRE	107	90.0	99.0	52.0	10.0	0.0	0.0
	AATREX	4 L		32.0 oz/a	PRE	211	95.0	99.0	53.0	10.0	0.0	0.0
	GROUNDLED			0.83 % v/v	PRE	303	85.0	99.0	56.0	10.0	0.0	0.0
						405	99.0	99.0	54.0	5.0	0.0	0.0
						Mean =	92.3	99.0	53.8	8.8	0.0	0.0
8	RAMBLER (HM2412)	6.498	EC	36.0 oz/a	PRE	108	90.0	99.0	50.0	10.0	0.0	5.0
	AATREX	4 L		32.0 oz/a	PRE	207	99.0	99.0	52.0	15.0	0.0	0.0
	GROUNDLED			0.83 % v/v	PRE	311	99.0	99.0	56.0	10.0	0.0	0.0
						402	95.0	99.0	54.0	15.0	0.0	0.0
						Mean =	95.8	99.0	53.0	12.5	0.0	1.3
9	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE	109	90.0	99.0	53.0	5.0	0.0	0.0
	AATREX	4 L		32.0 oz/a	PRE	205	95.0	95.0	54.0	10.0	0.0	0.0
	GROUNDLED			0.83 % v/v	PRE	306	99.0	99.0	56.0	10.0	0.0	0.0
						410	99.0	99.0	56.0	10.0	0.0	0.0
						Mean =	95.8	98.0	54.8	8.8	0.0	0.0
10	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE	110	85.0	99.0	52.0	0.0	0.0	0.0
	GROUNDLED			0.83 % v/v	PRE	209	65.0	99.0	54.0	5.0	0.0	0.0
						304	85.0	99.0	55.0	10.0	0.0	0.0
						403	99.0	99.0	53.0	10.0	0.0	0.0
						Mean =	83.5	99.0	53.5	6.3	0.0	0.0
11	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE	111	99.0	99.0	53.0	15.0	0.0	0.0
	AATREX	4 L		32.0 oz/a	PRE	201	99.0	99.0	54.0	10.0	0.0	0.0
	GROUNDLED			0.83 % v/v	PRE	313	99.0	99.0	57.0	10.0	5.0	0.0
						414	99.0	95.0	54.0	5.0	0.0	0.0
						Mean =	99.0	98.0	54.5	10.0	1.3	0.0

PRE WEED CONTROL IN FIELD CORN EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT												
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							RAPRA	AGRASS	-----	-----	-----	-----
Crop Code							CONTROL	CONTROL	ZEAMA	ZEAMA	ZEAMA	ZEAMA
Rating Data Type							%	%	Stand	Stunting	Bleaching	Chlorosis
Rating Unit							%	%	#/25ft	%	%	%
Rating Date							Apr-18-25	Apr-18-25	Apr-18-25	Apr-25-25	Apr-25-25	Apr-25-25
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Plot Stg	7	8	9	10	11	12
12	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE	112	99.0	99.0	52.0	10.0	0.0	0.0
	GROUND			0.83 % v/v	PRE	208	99.0	99.0	55.0	15.0	0.0	0.0
						307	99.0	99.0	53.0	15.0	0.0	0.0
						404	95.0	99.0	54.0	10.0	0.0	0.0
					Mean =		98.0	99.0	53.5	12.5	0.0	0.0
13	RESTRAINT	6.498	EC	36.0 oz/a	PRE	113	95.0	99.0	51.0	10.0	0.0	0.0
	CALLISTO	4	SC	3.0 oz/a	POST	204	95.0	99.0	55.0	10.0	0.0	0.0
	AATREX	4	L	32.0 oz/a	POST	305	99.0	99.0	55.0	15.0	0.0	0.0
	INDUCE			0.25 % v/v	POST	411	99.0	99.0	54.0	15.0	0.0	0.0
	AMSOL			2.5 % v/v	POST							
					Mean =		97.0	99.0	53.8	12.5	0.0	0.0
14	BICEP II MAGNUM	5.5	SC	53.0 oz/a	PRE	114	95.0	95.0	55.0	0.0	0.0	0.0
	SHIELDDEX 400SC	3.33	SC	1.35 oz/a	POST	206	95.0	99.0	54.0	0.0	0.0	0.0
	AATREX	4	L	32.0 oz/a	POST	309	65.0	99.0	57.0	5.0	0.0	0.0
	ROUNDUP P-MAX3	5.88	SL	32.0 oz/a	POST	407	99.0	99.0	52.0	10.0	0.0	0.0
	AMSOL			2.5 % v/v	POST							
					Mean =		88.5	98.0	54.5	3.8	0.0	0.0

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PRE WEED CONTROL IN FIELD CORN										
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT										
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR				
Location:		PONDER FARM		Investigator:		Eric P. Prostko				
Weed Code							AMAPA	RAPRA	AGRASS	-----
Crop Code							-----	-----	-----	ZEAMA
Rating Data Type							CONTROL	CONTROL	CONTROL	STAND
Rating Unit							%	%	%	#/5 FT
Rating Date							Apr-25-25	Apr-25-25	Apr-25-25	Apr-30-25
Trt	Treatment	Form	Form	Rate	Grow	Plot	13	14	15	16
No.	Name	Conc	Type	Rate	Unit	Stg				17
1	NTC					101	0.0	0.0	0.0	12.0
						202	0.0	0.0	0.0	12.0
						312	0.0	0.0	0.0	11.0
						413	0.0	0.0	0.0	11.0
						Mean =	0.0	0.0	0.0	11.5
2	SHIELDDEX 400SC	3.33	SC	1.0 oz/a	PRE	102	99.0	99.0	50.0	12.0
	AATREX	4 L		32.0 oz/a	PRE	213	99.0	50.0	50.0	10.0
	GROUNDLED			0.83 % v/v	PRE	301	99.0	85.0	65.0	10.0
						406	99.0	85.0	50.0	11.0
						Mean =	96.8	79.8	53.8	10.8
3	EMPYROS (HM1812A)	3.82	EC	24.0 oz/a	PRE	103	99.0	85.0	65.0	11.0
	AATREX	4 L		32.0 oz/a	PRE	210	99.0	50.0	99.0	11.0
	GROUNDLED			0.83 % v/v	PRE	308	99.0	65.0	99.0	11.0
						409	99.0	65.0	75.0	11.0
						Mean =	99.0	66.3	84.5	11.0
4	EMPYROS (HM1812A)	3.82	EC	32.0 oz/a	PRE	104	99.0	90.0	95.0	11.0
	AATREX	4 L		32.0 oz/a	PRE	212	99.0	85.0	99.0	12.0
	GROUNDLED			0.83 % v/v	PRE	310	99.0	65.0	99.0	12.0
						408	99.0	85.0	90.0	11.0
						Mean =	99.0	81.3	95.8	11.5
5	ACURON	3.44	LC	80.0 oz/a	PRE	105	99.0	99.0	99.0	11.0
	GROUNDLED			0.83 % v/v	PRE	203	99.0	99.0	99.0	11.0
						314	99.0	99.0	99.0	9.0
						412	99.0	99.0	99.0	13.0
						Mean =	99.0	99.0	99.0	11.0
6	BICEP II MAGNUM	5.5	SC	64.0 oz/a	PRE	106	99.0	90.0	99.0	12.0
	GROUNDLED			0.83 % v/v	PRE	214	99.0	60.0	99.0	10.0
						302	95.0	85.0	95.0	11.0
						401	99.0	75.0	90.0	12.0
						Mean =	98.0	77.5	95.8	11.3
7	RAMBLER (HM2412)	6.498	EC	30.0 oz/a	PRE	107	99.0	95.0	99.0	10.0
	AATREX	4 L		32.0 oz/a	PRE	211	85.0	85.0	95.0	12.0
	GROUNDLED			0.83 % v/v	PRE	303	99.0	80.0	90.0	10.0
						405	99.0	85.0	99.0	11.0
						Mean =	95.5	86.3	95.8	10.8
8	RAMBLER (HM2412)	6.498	EC	36.0 oz/a	PRE	108	99.0	95.0	99.0	12.0
	AATREX	4 L		32.0 oz/a	PRE	207	99.0	90.0	99.0	14.0
	GROUNDLED			0.83 % v/v	PRE	311	99.0	85.0	95.0	11.0
						402	99.0	85.0	99.0	10.0
						Mean =	99.0	88.8	98.0	11.8
9	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE	109	99.0	70.0	99.0	12.0
	AATREX	4 L		32.0 oz/a	PRE	205	99.0	75.0	85.0	11.0
	GROUNDLED			0.83 % v/v	PRE	306	99.0	85.0	85.0	11.0
						410	99.0	90.0	90.0	12.0
						Mean =	99.0	80.0	89.8	11.5
10	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE	110	99.0	50.0	99.0	11.0
	GROUNDLED			0.83 % v/v	PRE	209	99.0	30.0	99.0	10.0
						304	99.0	75.0	99.0	11.0
						403	99.0	50.0	85.0	11.0
						Mean =	99.0	51.3	95.5	10.8
11	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE	111	99.0	99.0	99.0	12.0
	AATREX	4 L		32.0 oz/a	PRE	201	99.0	99.0	99.0	10.0
	GROUNDLED			0.83 % v/v	PRE	313	99.0	95.0	99.0	11.0
						414	99.0	90.0	85.0	11.0
						Mean =	99.0	95.8	95.5	11.0

PRE WEED CONTROL IN FIELD CORN			
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT			
Trial ID:	CN-03-25	Study Dir.:	Z. TAYLOR
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Weed Code							AMAPA	RAPRA	AGRASS	-----	-----
Crop Code							-----	-----	-----	ZEAMA	ZEAMA
Rating Data Type							CONTROL	CONTROL	CONTROL	STAND	HGT1
Rating Unit							%	%	%	#/5 FT	CM
Rating Date							Apr-25-25	Apr-25-25	Apr-25-25	Apr-30-25	Apr-30-25
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg Plot	13	14	15	16	17
12	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE	112	99.0	99.0	99.0	11.0	20.0
	GROUNDEND			0.83 % v/v	PRE	208	99.0	99.0	99.0	11.0	19.0
						307	99.0	95.0	99.0	11.0	18.0
						404	99.0	95.0	95.0	12.0	19.0
						Mean =	99.0	97.0	98.0	11.3	19.0
13	RESTRAINT	6.498	EC	36.0 oz/a	PRE	113	99.0	75.0	99.0	10.0	21.0
	CALLISTO	4	SC	3.0 oz/a	POST	204	99.0	85.0	99.0	12.0	19.0
	AATREX	4	L	32.0 oz/a	POST	305	99.0	75.0	99.0	11.0	21.0
	INDUCE			0.25 % v/v	POST	411	99.0	95.0	99.0	11.0	22.0
	AMSOL			2.5 % v/v	POST						
						Mean =	99.0	82.5	99.0	11.0	20.8
14	BICEP II MAGNUM	5.5	SC	53.0 oz/a	PRE	114	99.0	65.0	99.0	10.0	34.0
	SHIELDDEX 400SC	3.33	SC	1.35 oz/a	POST	206	99.0	50.0	85.0	11.0	21.0
	AATREX	4	L	32.0 oz/a	POST	309	99.0	30.0	99.0	12.0	26.0
	ROUNDUP P-MAX3	5.88	SL	32.0 oz/a	POST	407	99.0	95.0	65.0	12.0	25.0
	AMSOL			2.5 % v/v	POST						
						Mean =	99.0	60.0	87.0	11.3	26.5

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PRE WEED CONTROL IN FIELD CORN												
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT												
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							-----	-----	-----	-----	-----	-----
Crop Code							ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA
Rating Data Type							HGT2	HGT3	HGT4	HGT5	HGT-AVG	Stunting
Rating Unit							CM	CM	CM	CM	CM	%
Rating Date							Apr-30-25	Apr-30-25	Apr-30-25	Apr-30-25	Apr-30-25	May-2-25
Trt	Treatment	Form	Form	Rate	Grow	Plot						
No.	Name	Conc	Type	Rate	Unit	Stg	18	19	20	21	22	23
1	NTC					101	30.0	28.0	22.0	21.0	25.8	0.0
						202	26.0	24.0	25.0	21.0	25.0	0.0
						312	26.0	23.0	24.0	27.0	24.2	0.0
						413	28.0	30.0	34.0	28.0	30.2	0.0
						Mean =	27.5	26.3	26.3	24.3	26.3	0.0
2	SHIELDDEX 400SC AATREX GROUNDED	3.33	SC 4 L	1.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	102	30.0	34.0	31.0	31.0	31.0	5.0
						213	28.0	30.0	21.0	29.0	27.0	0.0
						301	29.0	24.0	21.0	26.0	25.0	5.0
						406	24.0	25.0	25.0	24.0	24.2	0.0
						Mean =	27.8	28.3	24.5	27.5	26.8	2.5
3	EMPYROS (HM1812A) AATREX GROUNDED	3.82	EC 4 L	24.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	103	26.0	24.0	28.0	29.0	26.6	10.0
						210	24.0	25.0	28.0	29.0	27.0	0.0
						308	26.0	23.0	22.0	25.0	23.6	10.0
						409	27.0	30.0	26.0	25.0	27.2	5.0
						Mean =	25.8	25.5	26.0	27.0	26.1	6.3
4	EMPYROS (HM1812A) AATREX GROUNDED	3.82	EC 4 L	32.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	104	24.0	23.0	24.0	24.0	24.0	20.0
						212	25.0	28.0	25.0	24.0	25.6	5.0
						310	25.0	26.0	24.0	27.0	25.8	0.0
						408	25.0	20.0	24.0	25.0	22.8	15.0
						Mean =	24.8	24.3	24.3	25.0	24.6	10.0
5	ACURON GROUNDED	3.44	LC	80.0 oz/a 0.83 % v/v	PRE PRE	105	26.0	20.0	21.0	23.0	22.8	10.0
						203	24.0	22.0	23.0	24.0	22.4	10.0
						314	28.0	27.0	28.0	28.0	27.4	0.0
						412	23.0	20.0	22.0	29.0	23.8	15.0
						Mean =	25.3	22.3	23.5	26.0	24.1	8.8
6	BICEP II MAGNUM GROUNDED	5.5	SC	64.0 oz/a 0.83 % v/v	PRE PRE	106	23.0	21.0	24.0	25.0	22.6	10.0
						214	30.0	31.0	29.0	29.0	31.0	0.0
						302	24.0	19.0	22.0	24.0	21.8	10.0
						401	26.0	24.0	30.0	24.0	26.2	10.0
						Mean =	25.8	23.8	26.3	25.5	25.4	7.5
7	RAMBLER (HM2412) AATREX GROUNDED	6.498	EC 4 L	30.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	107	22.0	21.0	20.0	23.0	21.0	20.0
						211	21.0	26.0	26.0	22.0	23.0	10.0
						303	23.0	23.0	24.0	23.0	23.6	20.0
						405	24.0	22.0	22.0	25.0	23.2	10.0
						Mean =	22.5	23.0	23.0	23.3	22.7	15.0
8	RAMBLER (HM2412) AATREX GROUNDED	6.498	EC 4 L	36.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	108	22.0	22.0	24.0	26.0	23.6	10.0
						207	20.0	18.0	19.0	22.0	19.6	15.0
						311	25.0	18.0	20.0	18.0	21.0	20.0
						402	18.0	20.0	20.0	23.0	20.2	25.0
						Mean =	21.3	19.5	20.8	22.3	21.1	17.5
9	TESTAMENT (HM2156) AATREX GROUNDED	3.83	EC 4 L	11.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	109	26.0	26.0	26.0	25.0	26.2	5.0
						205	22.0	20.0	22.0	23.0	22.4	15.0
						306	22.0	21.0	22.0	23.0	22.6	10.0
						410	23.0	26.0	24.0	17.0	23.4	15.0
						Mean =	23.3	23.3	23.5	22.0	23.7	11.3
10	TESTAMENT (HM2156) GROUNDED	3.83	EC	11.0 oz/a 0.83 % v/v	PRE	110	24.0	27.0	24.0	24.0	24.2	10.0
						209	24.0	25.0	26.0	24.0	25.0	0.0
						304	26.0	22.0	28.0	20.0	23.4	20.0
						403	20.0	22.0	22.0	22.0	21.8	25.0
						Mean =	23.5	24.0	25.0	22.5	23.6	13.8
11	TESTAMENT (HM2156) AATREX GROUNDED	3.83	EC 4 L	21.0 oz/a 32.0 oz/a 0.83 % v/v	PRE PRE PRE	111	22.0	23.0	20.0	19.0	20.8	25.0
						201	24.0	23.0	24.0	21.0	22.4	15.0
						313	19.0	20.0	22.0	24.0	20.8	20.0
						414	27.0	30.0	23.0	22.0	26.4	5.0
						Mean =	23.0	24.0	22.3	21.5	22.6	16.3

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PRE WEED CONTROL IN FIELD CORN													
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT													
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR							
Location:		PONDER FARM		Investigator:		Eric P. Prostko							
Weed Code							-----	-----	-----	-----	-----	-----	
Crop Code							ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	
Rating Data Type							HGT2	HGT3	HGT4	HGT5	HGT-AVG	Stunting	
Rating Unit							CM	CM	CM	CM	CM	%	
Rating Date							Apr-30-25	Apr-30-25	Apr-30-25	Apr-30-25	Apr-30-25	May-2-25	
Trt	Treatment	Form	Form	Rate	Grow								
No.	Name	Conc	Type	Rate	Unit	Stg	Plot	18	19	20	21	22	23
12	TESTAMENT (HM2156)	3.83	EC	21.0	oz/a	PRE	112	19.0	19.0	22.0	19.0	19.8	20.0
	GROUND			0.83	% v/v	PRE	208	24.0	20.0	21.0	24.0	21.6	25.0
							307	20.0	18.0	19.0	17.0	18.4	25.0
							404	21.0	23.0	21.0	20.0	20.8	25.0
						Mean =		21.0	20.0	20.8	20.0	20.2	23.8
13	RESTRAINT	6.498	EC	36.0	oz/a	PRE	113	24.0	26.0	21.0	28.0	24.0	15.0
	CALLISTO	4	SC	3.0	oz/a	POST	204	21.0	23.0	24.0	23.0	22.0	15.0
	AATREX	4	L	32.0	oz/a	POST	305	24.0	22.0	25.0	19.0	22.2	15.0
	INDUCE			0.25	% v/v	POST	411	22.0	24.0	23.0	19.0	22.0	25.0
	AMSOL			2.5	% v/v	POST							
						Mean =		22.8	23.8	23.3	22.3	22.6	17.5
14	BICEP II MAGNUM	5.5	SC	53.0	oz/a	PRE	114	30.0	29.0	26.0	24.0	28.6	0.0
	SHIELDDEX 400SC	3.33	SC	1.35	oz/a	POST	206	24.0	24.0	22.0	25.0	23.2	0.0
	AATREX	4	L	32.0	oz/a	POST	309	30.0	26.0	27.0	26.0	27.0	0.0
	ROUNDUP P-MAX3	5.88	SL	32.0	oz/a	POST	407	25.0	23.0	25.0	26.0	24.8	15.0
	AMSOL			2.5	% v/v	POST							
						Mean =		27.3	25.5	25.0	25.3	25.9	3.8

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PRE WEED CONTROL IN FIELD CORN											
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT											
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR					
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code							-----	-----	AMAPA	RAPRA	AGRASS
Crop Code							ZEAMA	ZEAMA	-----	-----	-----
Rating Data Type							Bleaching	Necrosis	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Rating Date							May-2-25	May-2-25	May-2-25	May-2-25	May-2-25
Trt	Treatment	Form	Form	Rate	Grow	Plot	24	25	26	27	28
No.	Name	Conc	Type	Rate	Unit	Stg					
1	NTC					101	0.0	0.0	0.0	0.0	0.0
						202	0.0	0.0	0.0	0.0	0.0
						312	0.0	0.0	0.0	0.0	0.0
						413	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0
2	SHIELDDEX 400SC	3.33	SC	1.0 oz/a	PRE	102	0.0	0.0	95.0	85.0	50.0
	AATREX	4 L		32.0 oz/a	PRE	213	0.0	0.0	90.0	50.0	75.0
	GROUNDDED			0.83 % v/v	PRE	301	0.0	0.0	65.0	50.0	65.0
						406	0.0	0.0	99.0	85.0	65.0
						Mean =	0.0	0.0	87.3	67.5	63.8
3	EMPYROS (HM1812A)	3.82	EC	24.0 oz/a	PRE	103	0.0	0.0	99.0	65.0	65.0
	AATREX	4 L		32.0 oz/a	PRE	210	0.0	0.0	99.0	50.0	95.0
	GROUNDDED			0.83 % v/v	PRE	308	0.0	0.0	99.0	50.0	99.0
						409	0.0	0.0	95.0	65.0	75.0
						Mean =	0.0	0.0	98.0	57.5	83.5
4	EMPYROS (HM1812A)	3.82	EC	32.0 oz/a	PRE	104	0.0	0.0	99.0	85.0	85.0
	AATREX	4 L		32.0 oz/a	PRE	212	0.0	0.0	99.0	85.0	99.0
	GROUNDDED			0.83 % v/v	PRE	310	0.0	0.0	99.0	75.0	99.0
						408	0.0	0.0	99.0	60.0	95.0
						Mean =	0.0	0.0	99.0	76.3	94.5
5	ACURON	3.44	LC	80.0 oz/a	PRE	105	0.0	0.0	99.0	90.0	99.0
	GROUNDDED			0.83 % v/v	PRE	203	0.0	0.0	95.0	99.0	85.0
						314	0.0	0.0	95.0	85.0	90.0
						412	0.0	0.0	99.0	95.0	95.0
						Mean =	0.0	0.0	97.0	92.3	92.3
6	BICEP II MAGNUM	5.5	SC	64.0 oz/a	PRE	106	0.0	0.0	95.0	85.0	90.0
	GROUNDDED			0.83 % v/v	PRE	214	0.0	0.0	99.0	50.0	95.0
						302	0.0	0.0	90.0	50.0	85.0
						401	0.0	0.0	90.0	65.0	65.0
						Mean =	0.0	0.0	93.5	62.5	83.8
7	RAMBLER (HM2412)	6.498	EC	30.0 oz/a	PRE	107	0.0	0.0	99.0	90.0	90.0
	AATREX	4 L		32.0 oz/a	PRE	211	0.0	0.0	85.0	65.0	95.0
	GROUNDDED			0.83 % v/v	PRE	303	0.0	0.0	99.0	85.0	85.0
						405	0.0	0.0	85.0	85.0	99.0
						Mean =	0.0	0.0	92.0	81.3	92.3
8	RAMBLER (HM2412)	6.498	EC	36.0 oz/a	PRE	108	0.0	0.0	99.0	65.0	95.0
	AATREX	4 L		32.0 oz/a	PRE	207	0.0	0.0	99.0	99.0	85.0
	GROUNDDED			0.83 % v/v	PRE	311	0.0	0.0	99.0	95.0	99.0
						402	0.0	0.0	99.0	75.0	95.0
						Mean =	0.0	0.0	99.0	83.5	93.5
9	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE	109	0.0	0.0	99.0	80.0	95.0
	AATREX	4 L		32.0 oz/a	PRE	205	0.0	0.0	99.0	75.0	85.0
	GROUNDDED			0.83 % v/v	PRE	306	0.0	0.0	99.0	99.0	85.0
						410	0.0	0.0	99.0	80.0	85.0
						Mean =	0.0	0.0	99.0	83.5	87.5
10	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE	110	0.0	0.0	99.0	0.0	95.0
	GROUNDDED			0.83 % v/v	PRE	209	0.0	0.0	99.0	0.0	99.0
						304	0.0	0.0	99.0	50.0	99.0
						403	0.0	0.0	95.0	0.0	95.0
						Mean =	0.0	0.0	98.0	12.5	97.0
11	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE	111	0.0	0.0	99.0	99.0	99.0
	AATREX	4 L		32.0 oz/a	PRE	201	0.0	0.0	99.0	99.0	99.0
	GROUNDDED			0.83 % v/v	PRE	313	0.0	0.0	99.0	99.0	99.0
						414	0.0	0.0	99.0	90.0	90.0
						Mean =	0.0	0.0	99.0	96.8	96.8

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PRE WEED CONTROL IN FIELD CORN												
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT												
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code								-----	-----	AMAPA	RAPRA	AGRASS
Crop Code								ZEAMA	ZEAMA	-----	-----	-----
Rating Data Type								Bleaching	Necrosis	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Rating Date								May-2-25	May-2-25	May-2-25	May-2-25	May-2-25
Trt	Treatment	Form	Form	Rate	Grow							
No.	Name	Conc	Type	Rate	Unit	Stg	Plot	24	25	26	27	28
12	TESTAMENT (HM2156)	3.83	EC	21.0	oz/a	PRE	112	0.0	0.0	99.0	75.0	99.0
	GROUNDDED			0.83	% v/v	PRE	208	0.0	0.0	99.0	95.0	99.0
							307	0.0	0.0	99.0	99.0	99.0
							404	0.0	0.0	99.0	85.0	85.0
							Mean =	0.0	0.0	99.0	88.5	95.5
13	RESTRAINT	6.498	EC	36.0	oz/a	PRE	113	0.0	0.0	99.0	99.0	99.0
	CALLISTO	4	SC	3.0	oz/a	POST	204	0.0	0.0	99.0	99.0	99.0
	AATREX	4	L	32.0	oz/a	POST	305	0.0	0.0	99.0	99.0	99.0
	INDUCE			0.25	% v/v	POST	411	0.0	0.0	99.0	99.0	99.0
	AMSOL			2.5	% v/v	POST						
							Mean =	0.0	0.0	99.0	99.0	99.0
14	BICEP II MAGNUM	5.5	SC	53.0	oz/a	PRE	114	0.0	0.0	99.0	99.0	99.0
	SHIELDDEX 400SC	3.33	SC	1.35	oz/a	POST	206	0.0	0.0	99.0	99.0	99.0
	AATREX	4	L	32.0	oz/a	POST	309	0.0	0.0	99.0	99.0	99.0
	ROUNDUP P-MAX3	5.88	SL	32.0	oz/a	POST	407	0.0	0.0	99.0	99.0	99.0
	AMSOL			2.5	% v/v	POST						
							Mean =	0.0	0.0	99.0	99.0	99.0

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PRE WEED CONTROL IN FIELD CORN											
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT											
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR					
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code							MOLVE	ZEAMA	ZEAMA	ZEAMA	AMAPA
Crop Code							-----	-----	-----	-----	-----
Rating Data Type							CONTROL	STUNTING	BLEACHING	NECROSIS	CONTROL
Rating Unit							%	%	%	%	%
Rating Date							May-2-25	May-13-25	May-13-25	May-13-25	May-13-25
Trt	Treatment	Form	Form	Rate	Grow	Plot					
No.	Name	Conc	Type	Rate	Unit	Stg					
1	NTC					101	0.0	0.0	0.0	0.0	
						202	0.0	0.0	0.0	0.0	
						312	0.0	0.0	0.0	0.0	
						413	0.0	0.0	0.0	0.0	
						Mean =	0.0	0.0	0.0	0.0	
2	SHIELDDEX 400SC	3.33	SC	1.0 oz/a	PRE	102	99.0	0.0	0.0	99.0	
	AATREX	4 L		32.0 oz/a	PRE	213	99.0	0.0	0.0	85.0	
	GROUNDED			0.83 % v/v	PRE	301	99.0	5.0	0.0	75.0	
						406	99.0	5.0	0.0	95.0	
						Mean =	99.0	2.5	0.0	88.5	
3	EMPYROS (HM1812A)	3.82	EC	24.0 oz/a	PRE	103	99.0	10.0	0.0	95.0	
	AATREX	4 L		32.0 oz/a	PRE	210	99.0	0.0	0.0	99.0	
	GROUNDED			0.83 % v/v	PRE	308	99.0	5.0	0.0	99.0	
						409	99.0	15.0	0.0	99.0	
						Mean =	99.0	7.5	0.0	98.0	
4	EMPYROS (HM1812A)	3.82	EC	32.0 oz/a	PRE	104	99.0	30.0	0.0	99.0	
	AATREX	4 L		32.0 oz/a	PRE	212	99.0	0.0	0.0	99.0	
	GROUNDED			0.83 % v/v	PRE	310	99.0	5.0	0.0	99.0	
						408	99.0	25.0	0.0	99.0	
						Mean =	99.0	15.0	0.0	99.0	
5	ACURON	3.44	LC	80.0 oz/a	PRE	105	99.0	30.0	0.0	99.0	
	GROUNDED			0.83 % v/v	PRE	203	99.0	15.0	0.0	95.0	
						314	99.0	0.0	0.0	99.0	
						412	99.0	10.0	0.0	99.0	
						Mean =	99.0	13.8	0.0	98.0	
6	BICEP II MAGNUM	5.5	SC	64.0 oz/a	PRE	106	99.0	25.0	0.0	99.0	
	GROUNDED			0.83 % v/v	PRE	214	99.0	0.0	0.0	99.0	
						302	99.0	5.0	0.0	90.0	
						401	99.0	20.0	0.0	99.0	
						Mean =	99.0	12.5	0.0	96.8	
7	RAMBLER (HM2412)	6.498	EC	30.0 oz/a	PRE	107	99.0	30.0	0.0	95.0	
	AATREX	4 L		32.0 oz/a	PRE	211	99.0	15.0	0.0	90.0	
	GROUNDED			0.83 % v/v	PRE	303	99.0	15.0	0.0	99.0	
						405	99.0	20.0	0.0	99.0	
						Mean =	99.0	20.0	0.0	95.8	
8	RAMBLER (HM2412)	6.498	EC	36.0 oz/a	PRE	108	99.0	25.0	0.0	99.0	
	AATREX	4 L		32.0 oz/a	PRE	207	99.0	30.0	0.0	99.0	
	GROUNDED			0.83 % v/v	PRE	311	99.0	20.0	0.0	95.0	
						402	99.0	25.0	0.0	99.0	
						Mean =	99.0	25.0	0.0	98.0	
9	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE	109	99.0	5.0	0.0	99.0	
	AATREX	4 L		32.0 oz/a	PRE	205	99.0	20.0	0.0	99.0	
	GROUNDED			0.83 % v/v	PRE	306	99.0	15.0	0.0	99.0	
						410	99.0	30.0	0.0	99.0	
						Mean =	99.0	17.5	0.0	99.0	
10	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE	110	99.0	10.0	0.0	99.0	
	GROUNDED			0.83 % v/v	PRE	209	99.0	5.0	0.0	99.0	
						304	99.0	15.0	0.0	99.0	
						403	99.0	25.0	0.0	90.0	
						Mean =	99.0	13.8	0.0	96.8	
11	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE	111	99.0	25.0	0.0	99.0	
	AATREX	4 L		32.0 oz/a	PRE	201	99.0	20.0	0.0	99.0	
	GROUNDED			0.83 % v/v	PRE	313	99.0	25.0	0.0	99.0	
						414	99.0	5.0	0.0	99.0	
						Mean =	99.0	18.8	0.0	99.0	

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PRE WEED CONTROL IN FIELD CORN												
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT												
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							MOLVE	ZEAMA	ZEAMA	ZEAMA	AMAPA	
Crop Code							-----	-----	-----	-----	-----	
Rating Data Type							CONTROL	STUNTING	BLEACHING	NECROSIS	CONTROL	
Rating Unit							%	%	%	%	%	
Rating Date							May-2-25	May-13-25	May-13-25	May-13-25	May-13-25	
Trt	Treatment	Form	Form	Rate	Grow							
No.	Name	Conc	Type	Rate	Unit	Stg	Plot	29	30	31	32	33
12	TESTAMENT (HM2156)	3.83	EC	21.0	oz/a	PRE	112	99.0	30.0	0.0	0.0	99.0
	GROUNDDED			0.83	% v/v	PRE	208	99.0	30.0	0.0	0.0	99.0
							307	99.0	40.0	0.0	0.0	99.0
							404	99.0	30.0	0.0	0.0	99.0
							Mean =	99.0	32.5	0.0	0.0	99.0
13	RESTRAINT	6.498	EC	36.0	oz/a	PRE	113	99.0	20.0	0.0	0.0	99.0
	CALLISTO	4	SC	3.0	oz/a	POST	204	99.0	20.0	0.0	0.0	99.0
	AATREX	4	L	32.0	oz/a	POST	305	99.0	20.0	0.0	0.0	99.0
	INDUCE			0.25	% v/v	POST	411	99.0	45.0	0.0	0.0	99.0
	AMSOL			2.5	% v/v	POST						
							Mean =	99.0	26.3	0.0	0.0	99.0
14	BICEP II MAGNUM	5.5	SC	53.0	oz/a	PRE	114	99.0	0.0	0.0	0.0	99.0
	SHIELDEX 400SC	3.33	SC	1.35	oz/a	POST	206	99.0	15.0	0.0	0.0	99.0
	AATREX	4	L	32.0	oz/a	POST	309	99.0	0.0	0.0	0.0	99.0
	ROUNDUP P-MAX3	5.88	SL	32.0	oz/a	POST	407	99.0	25.0	0.0	0.0	99.0
	AMSOL			2.5	% v/v	POST						
							Mean =	99.0	10.0	0.0	0.0	99.0

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PRE WEED CONTROL IN FIELD CORN											
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT											
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR					
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code							RAPRA	AGRASS	MOLVE	-----	-----
Crop Code							-----	-----	-----	ZEAMA	ZEAMA
Rating Data Type							CONTROL	CONTROL	CONTROL	HGT1	HGT2
Rating Unit							%	%	%	CM	CM
Rating Date							May-13-25	May-13-25	May-13-25	May-15-25	May-15-25
Trt	Treatment	Form	Form	Rate	Grow	Plot					
No.	Name	Conc	Type	Rate	Unit	Stg					
1	NTC					101	0.0	0.0	0.0	112.0	114.0
						202	0.0	0.0	0.0	98.0	95.0
						312	0.0	0.0	0.0	114.0	107.0
						413	0.0	0.0	0.0	102.0	106.0
						Mean =	0.0	0.0	0.0	106.5	105.5
2	SHIELDDEX 400SC	3.33	SC	1.0 oz/a	PRE	102	85.0	30.0	99.0	114.0	116.0
	AATREX	4 L		32.0 oz/a	PRE	213	85.0	65.0	99.0	104.0	115.0
	GROUNDLED			0.83 % v/v	PRE	301	85.0	30.0	99.0	88.0	84.0
						406	85.0	50.0	99.0	116.0	114.0
						Mean =	85.0	43.8	99.0	105.5	107.3
3	EMPYROS (HM1812A)	3.82	EC	24.0 oz/a	PRE	103	85.0	65.0	99.0	96.0	92.0
	AATREX	4 L		32.0 oz/a	PRE	210	75.0	65.0	99.0	16.0	102.0
	GROUNDLED			0.83 % v/v	PRE	308	50.0	95.0	99.0	89.0	92.0
						409	85.0	65.0	99.0	97.0	95.0
						Mean =	73.8	72.5	99.0	74.5	95.3
4	EMPYROS (HM1812A)	3.82	EC	32.0 oz/a	PRE	104	75.0	95.0	99.0	84.0	93.0
	AATREX	4 L		32.0 oz/a	PRE	212	85.0	95.0	99.0	98.0	102.0
	GROUNDLED			0.83 % v/v	PRE	310	75.0	95.0	99.0	109.0	104.0
						408	75.0	75.0	99.0	91.0	93.0
						Mean =	77.5	90.0	99.0	95.5	98.0
5	ACURON	3.44	LC	80.0 oz/a	PRE	105	99.0	85.0	99.0	77.0	80.0
	GROUNDLED			0.83 % v/v	PRE	203	95.0	90.0	99.0	92.0	98.0
						314	65.0	85.0	99.0	122.0	124.0
						412	99.0	90.0	99.0	96.0	98.0
						Mean =	89.5	87.5	99.0	96.8	100.0
6	BICEP II MAGNUM	5.5	SC	64.0 oz/a	PRE	106	85.0	85.0	99.0	89.0	88.0
	GROUNDLED			0.83 % v/v	PRE	214	65.0	90.0	99.0	118.0	123.0
						302	65.0	90.0	99.0	96.0	98.0
						401	65.0	65.0	99.0	95.0	89.0
						Mean =	70.0	82.5	99.0	99.5	99.5
7	RAMBLER (HM2412)	6.498	EC	30.0 oz/a	PRE	107	95.0	85.0	99.0	81.0	80.0
	AATREX	4 L		32.0 oz/a	PRE	211	85.0	95.0	99.0	96.0	94.0
	GROUNDLED			0.83 % v/v	PRE	303	75.0	85.0	99.0	93.0	95.0
						405	85.0	75.0	99.0	87.0	96.0
						Mean =	85.0	85.0	99.0	89.3	91.3
8	RAMBLER (HM2412)	6.498	EC	36.0 oz/a	PRE	108	75.0	85.0	99.0	98.0	94.0
	AATREX	4 L		32.0 oz/a	PRE	207	95.0	85.0	99.0	76.0	81.0
	GROUNDLED			0.83 % v/v	PRE	311	99.0	95.0	99.0	106.0	102.0
						402	90.0	85.0	99.0	83.0	91.0
						Mean =	89.8	87.5	99.0	90.8	92.0
9	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE	109	65.0	95.0	99.0	82.0	97.0
	AATREX	4 L		32.0 oz/a	PRE	205	65.0	65.0	99.0	90.0	89.0
	GROUNDLED			0.83 % v/v	PRE	306	99.0	60.0	99.0	92.0	93.0
						410	85.0	85.0	99.0	96.0	93.0
						Mean =	78.5	76.3	99.0	90.0	93.0
10	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE	110	50.0	95.0	99.0	96.0	94.0
	GROUNDLED			0.83 % v/v	PRE	209	40.0	95.0	99.0	97.0	97.0
						304	70.0	95.0	99.0	88.0	84.0
						403	65.0	85.0	99.0	97.0	91.0
						Mean =	56.3	92.5	99.0	94.5	91.5
11	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE	111	95.0	95.0	99.0	85.0	78.0
	AATREX	4 L		32.0 oz/a	PRE	201	99.0	99.0	99.0	77.0	80.0
	GROUNDLED			0.83 % v/v	PRE	313	95.0	99.0	99.0	95.0	97.0
						414	85.0	85.0	99.0	94.0	103.0
						Mean =	93.5	94.5	99.0	87.8	89.5

PRE WEED CONTROL IN FIELD CORN			
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT			
Trial ID:	CN-03-25	Study Dir.:	Z. TAYLOR
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Weed Code							RAPRA	AGRASS	MOLVE	-----	-----	
Crop Code							-----	-----	-----	ZEAMA	ZEAMA	
Rating Data Type							CONTROL	CONTROL	CONTROL	HGT1	HGT2	
Rating Unit							%	%	%	CM	CM	
Rating Date							May-13-25	May-13-25	May-13-25	May-15-25	May-15-25	
Trt	Treatment	Form	Form	Rate	Grow							
No.	Name	Conc	Type	Rate	Unit	Stg	Plot	34	35	36	37	38
12	TESTAMENT (HM2156) GROUNDED	3.83	EC	21.0	oz/a	PRE	112	85.0	95.0	99.0	65.0	73.0
				0.83	% v/v	PRE	208	99.0	95.0	99.0	90.0	82.0
							307	99.0	95.0	99.0	63.0	67.0
							404	85.0	85.0	99.0	74.0	89.0
							Mean =	92.0	92.5	99.0	73.0	77.8
13	RESTRAINT CALLISTO AATREX INDUCE AMSOL	6.498	EC	36.0	oz/a	PRE	113	99.0	95.0	99.0	91.0	84.0
							204	99.0	99.0	99.0	97.0	94.0
							305	99.0	99.0	99.0	91.0	90.0
							411	99.0	99.0	99.0	84.0	86.0
							Mean =	99.0	98.0	99.0	90.8	88.5
14	BICEP II MAGNUM SHIELDDEX 400SC AATREX ROUNDUP P-MAX3 AMSOL	5.5	SC	53.0	oz/a	PRE	114	99.0	95.0	99.0	115.0	124.0
							206	99.0	99.0	99.0	80.0	95.0
							309	99.0	95.0	99.0	104.0	98.0
							407	99.0	99.0	99.0	98.0	96.0
							Mean =	99.0	97.0	99.0	99.3	103.3

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PRE WEED CONTROL IN FIELD CORN												
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT												
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							-----	-----	-----	-----	AMAPA	Total
Crop Code							ZEAMA	ZEAMA	ZEAMA	ZEAMA	-----	Weed
Rating Data Type							HGT3	HGT4	HGT5	HGT-AVG	Control	
Rating Unit							CM	CM	CM	CM	%	%
Rating Date							May-15-25	May-15-25	May-15-25	May-15-25	Jul-30-25	Jul-30-25
Trt	Treatment	Form	Form	Rate	Grow	Plot						
No.	Name	Conc	Type	Rate	Unit	Stg						
1	NTC					101	111.0	104.0	109.0	110.0	0.0	95.0
						202	98.0	94.0	96.0	96.2	0.0	95.0
						312	109.0	113.0	106.0	109.8	0.0	95.0
						413	102.0	97.0	98.0	101.0	0.0	95.0
						Mean =	105.0	102.0	102.3	104.3	0.0	95.0
2	SHIELDDEX 400SC	3.33	SC	1.0 oz/a	PRE	102	121.0	126.0	120.0	119.4	90.0	75.0
	AATREX	4 L		32.0 oz/a	PRE	213	11.0	108.0	109.0	89.4	90.0	60.0
	GROUNDDED			0.83 % v/v	PRE	301	95.0	93.0	91.0	90.2	65.0	95.0
						406	124.0	110.0	125.0	117.8	90.0	50.0
						Mean =	87.8	109.3	111.3	104.2	83.8	70.0
3	EMPYROS (HM1812A)	3.82	EC	24.0 oz/a	PRE	103	96.0	94.0	95.0	94.6	95.0	50.0
	AATREX	4 L		32.0 oz/a	PRE	210	106.0	104.0	97.0	85.0	95.0	25.0
	GROUNDDED			0.83 % v/v	PRE	308	97.0	95.0	102.0	95.0	99.0	15.0
						409	94.0	98.0	102.0	97.2	85.0	60.0
						Mean =	98.3	97.8	99.0	93.0	93.5	37.5
4	EMPYROS (HM1812A)	3.82	EC	32.0 oz/a	PRE	104	80.0	89.0	91.0	87.4	95.0	30.0
	AATREX	4 L		32.0 oz/a	PRE	212	103.0	97.0	96.0	99.2	95.0	20.0
	GROUNDDED			0.83 % v/v	PRE	310	104.0	103.0	106.0	105.2	90.0	20.0
						408	96.0	95.0	98.0	94.6	99.0	30.0
						Mean =	95.8	96.0	97.8	96.6	94.8	25.0
5	ACURON	3.44	LC	80.0 oz/a	PRE	105	79.0	84.0	88.0	81.6	95.0	25.0
	GROUNDDED			0.83 % v/v	PRE	203	96.0	102.0	94.0	96.4	99.0	10.0
						314	119.0	110.0	118.0	118.6	99.0	75.0
						412	96.0	96.0	92.0	95.6	95.0	35.0
						Mean =	97.5	98.0	98.0	98.1	97.0	36.3
6	BICEP II MAGNUM	5.5	SC	64.0 oz/a	PRE	106	89.0	90.0	92.0	89.6	90.0	25.0
	GROUNDDED			0.83 % v/v	PRE	214	109.0	122.0	127.0	119.8	95.0	65.0
						302	92.0	95.0	95.0	95.2	90.0	40.0
						401	97.0	92.0	94.0	93.4	75.0	85.0
						Mean =	96.8	99.8	102.0	99.5	87.5	53.8
7	RAMBLER (HM2412)	6.498	EC	30.0 oz/a	PRE	107	76.0	92.0	79.0	81.6	90.0	40.0
	AATREX	4 L		32.0 oz/a	PRE	211	91.0	96.0	93.0	94.0	65.0	30.0
	GROUNDDED			0.83 % v/v	PRE	303	86.0	84.0	94.0	90.4	95.0	30.0
						405	94.0	96.0	92.0	93.0	95.0	40.0
						Mean =	86.8	92.0	89.5	89.8	86.3	35.0
8	RAMBLER (HM2412)	6.498	EC	36.0 oz/a	PRE	108	95.0	89.0	97.0	94.6	99.0	15.0
	AATREX	4 L		32.0 oz/a	PRE	207	81.0	85.0	78.0	80.2	90.0	40.0
	GROUNDDED			0.83 % v/v	PRE	311	110.0	97.0	109.0	104.8	95.0	30.0
						402	88.0	89.0	88.0	87.8	95.0	35.0
						Mean =	93.5	90.0	93.0	91.9	94.8	30.0
9	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE	109	95.0	91.0	89.0	90.8	99.0	15.0
	AATREX	4 L		32.0 oz/a	PRE	205	91.0	94.0	94.0	91.6	99.0	40.0
	GROUNDDED			0.83 % v/v	PRE	306	95.0	98.0	91.0	93.8	99.0	15.0
						410	96.0	87.0	84.0	91.2	99.0	40.0
						Mean =	94.3	92.5	89.5	91.9	99.0	27.5
10	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE	110	92.0	91.0	89.0	92.4	95.0	20.0
	GROUNDDED			0.83 % v/v	PRE	209	95.0	102.0	98.0	97.8	99.0	30.0
						304	98.0	95.0	91.0	91.2	95.0	15.0
						403	89.0	94.0	93.0	92.8	90.0	40.0
						Mean =	93.5	95.5	92.8	93.6	94.8	26.3
11	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE	111	83.0	79.0	74.0	79.8	90.0	15.0
	AATREX	4 L		32.0 oz/a	PRE	201	79.0	85.0	81.0	80.4	95.0	50.0
	GROUNDDED			0.83 % v/v	PRE	313	95.0	91.0	94.0	94.4	99.0	10.0
						414	102.0	98.0	96.0	98.6	85.0	75.0
						Mean =	89.8	88.3	86.3	88.3	92.3	37.5

PRE WEED CONTROL IN FIELD CORN													
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT													
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR							
Location:		PONDER FARM		Investigator:		Eric P. Prostko							
Weed Code							-----	-----	-----	-----	AMAPA	Total	
Crop Code							ZEAMA	ZEAMA	ZEAMA	ZEAMA	-----	Weed	
Rating Data Type							HGT3	HGT4	HGT5	HGT-AVG	Control		
Rating Unit							CM	CM	CM	CM	%	%	
Rating Date							May-15-25	May-15-25	May-15-25	May-15-25	Jul-30-25	Jul-30-25	
Trt	Treatment	Form	Form	Rate	Grow								
No.	Name	Conc	Type	Rate	Unit	Stg	Plot	39	40	41	42	43	44
12	TESTAMENT (HM2156)	3.83	EC	21.0	oz/a	PRE	112	83.0	69.0	70.0	72.0	99.0	15.0
	GROUND			0.83	% v/v	PRE	208	85.0	74.0	71.0	80.4	99.0	15.0
							307	79.0	88.0	81.0	75.6	95.0	10.0
							404	92.0	94.0	91.0	88.0	99.0	30.0
						Mean =		84.8	81.3	78.3	79.0	98.0	17.5
13	RESTRAINT	6.498	EC	36.0	oz/a	PRE	113	81.0	73.0	85.0	82.8	95.0	10.0
	CALLISTO	4	SC	3.0	oz/a	POST	204	92.0	95.0	95.0	94.6	99.0	5.0
	AATREX	4	L	32.0	oz/a	POST	305	88.0	79.0	88.0	87.2	99.0	5.0
	INDUCE			0.25	% v/v	POST	411	94.0	89.0	91.0	88.8	99.0	15.0
	AMSOL			2.5	% v/v	POST							
						Mean =		88.8	84.0	89.8	88.4	98.0	8.8
14	BICEP II MAGNUM	5.5	SC	53.0	oz/a	PRE	114	120.0	119.0	117.0	119.0	95.0	65.0
	SHIELDDEX 400SC	3.33	SC	1.35	oz/a	POST	206	86.0	91.0	83.0	87.0	99.0	10.0
	AATREX	4	L	32.0	oz/a	POST	309	102.0	102.0	106.0	102.4	99.0	10.0
	ROUNDUP P-MAX3	5.88	SL	32.0	oz/a	POST	407	97.0	92.0	94.0	95.4	99.0	5.0
	AMSOL			2.5	% v/v	POST							
						Mean =		101.3	101.0	100.0	101.0	98.0	22.5

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PRE WEED CONTROL IN FIELD CORN										
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT										
Trial ID:		CN-03-25		Study Dir.:		Z. TAYLOR				
Location:		PONDER FARM		Investigator:		Eric P. Prostko				
Weed Code							AMAPA	Total	-----	-----
Crop Code							Control	Weed	ZEAMA	ZEAMA
Rating Data Type							%	Cover	YIELD	YIELD
Rating Unit							%	%	LBS/PLOT	BU/A
Rating Date							Aug-19-25	Aug-19-25	Aug-27-25	Aug-27-25
Trt	Treatment	Form	Form	Rate	Grow					
No.	Name	Conc	Type	Rate	Unit	Stg	Plot	45	46	47
1	NTC						101	0.0	95.0	40.0
							202	0.0	75.0	46.0
							312	0.0	95.0	40.0
							413	0.0	85.0	34.0
							Mean =	0.0	87.5	40.0
2	SHIELDDEX 400SC	3.33	SC	1.0 oz/a	PRE	102	102	99.0	65.0	53.0
	AATREX	4 L		32.0 oz/a	PRE	213	213	95.0	65.0	48.0
	GROUNDDED			0.83 % v/v	PRE	301	301	90.0	85.0	54.0
						406	406	90.0	65.0	48.0
							Mean =	93.5	70.0	50.8
3	EMPYROS (HM1812A)	3.82	EC	24.0 oz/a	PRE	103	103	99.0	65.0	49.0
	AATREX	4 L		32.0 oz/a	PRE	210	210	95.0	35.0	48.0
	GROUNDDED			0.83 % v/v	PRE	308	308	99.0	25.0	54.0
						409	409	85.0	65.0	48.0
							Mean =	94.5	47.5	49.8
4	EMPYROS (HM1812A)	3.82	EC	32.0 oz/a	PRE	104	104	99.0	40.0	50.0
	AATREX	4 L		32.0 oz/a	PRE	212	212	95.0	25.0	46.0
	GROUNDDED			0.83 % v/v	PRE	310	310	99.0	40.0	53.0
						408	408	95.0	50.0	48.0
							Mean =	97.0	38.8	49.3
5	ACURON	3.44	LC	80.0 oz/a	PRE	105	105	95.0	30.0	.
	GROUNDDED			0.83 % v/v	PRE	203	203	99.0	15.0	52.0
						314	314	95.0	85.0	50.0
						412	412	95.0	30.0	44.0
							Mean =	96.0	40.0	48.7
6	BICEP II MAGNUM	5.5	SC	64.0 oz/a	PRE	106	106	95.0	30.0	52.0
	GROUNDDED			0.83 % v/v	PRE	214	214	75.0	65.0	46.0
						302	302	90.0	40.0	56.0
						401	401	90.0	85.0	56.0
							Mean =	87.5	55.0	52.5
7	RAMBLER (HM2412)	6.498	EC	30.0 oz/a	PRE	107	107	95.0	40.0	50.0
	AATREX	4 L		32.0 oz/a	PRE	211	211	85.0	40.0	48.0
	GROUNDDED			0.83 % v/v	PRE	303	303	99.0	30.0	52.0
						405	405	95.0	40.0	.
							Mean =	93.5	37.5	50.0
8	RAMBLER (HM2412)	6.498	EC	36.0 oz/a	PRE	108	108	90.0	30.0	50.0
	AATREX	4 L		32.0 oz/a	PRE	207	207	95.0	45.0	48.0
	GROUNDDED			0.83 % v/v	PRE	311	311	95.0	25.0	52.0
						402	402	99.0	30.0	53.0
							Mean =	94.8	32.5	50.8
9	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE	109	109	95.0	25.0	50.0
	AATREX	4 L		32.0 oz/a	PRE	205	205	99.0	30.0	.
	GROUNDDED			0.83 % v/v	PRE	306	306	99.0	45.0	51.0
						410	410	90.0	50.0	47.0
							Mean =	95.8	37.5	49.3
10	TESTAMENT (HM2156)	3.83	EC	11.0 oz/a	PRE	110	110	95.0	40.0	51.0
	GROUNDDED			0.83 % v/v	PRE	209	209	99.0	35.0	52.0
						304	304	95.0	30.0	55.0
						403	403	85.0	40.0	50.0
							Mean =	93.5	36.3	52.0
11	TESTAMENT (HM2156)	3.83	EC	21.0 oz/a	PRE	111	111	85.0	25.0	45.0
	AATREX	4 L		32.0 oz/a	PRE	201	201	95.0	65.0	53.0
	GROUNDDED			0.83 % v/v	PRE	313	313	99.0	15.0	54.0
						414	414	85.0	85.0	47.0
							Mean =	91.0	47.5	49.8

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PRE WEED CONTROL IN FIELD CORN			
EMPYROS, ACURON, BICEP II MAGNUM, RAMBLER, TESTAMENT			
Trial ID:	CN-03-25	Study Dir.:	Z. TAYLOR
Location:	PONDER FARM	Investigator:	Eric P. Prostko
Rating Unit			
% = PERCENT			
CM = CENTIMETER			
ARM Action Codes			
T1 = ([C17]+[C18]+[C19]+[C20]+[C21])/5			
T2 = ([C37]+[C38]+[C39]+[C40]+[C41])/5			
TY3 = 5.20105664*[47]			