

University of Georgia

COUNTER WITH SHIELDDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3														
Trial ID:		CN-02A-24		Study Dir.:		ZACH TAYLOR								
Location:		PONDER FARM		Investigator:		Eric P. Prostko								
Reps: 3				Plots: 6 by 25 feet										
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Appl. Amount	Mix Size	Amt Product to Measure	Diluent	Rep 1	2	3
1	NO COUNTER NTC						A A				- -	101	205	304
2	NO COUNTER SHIELDDEX ATRAZINE ROUNDUP POWERMAX3 GROUNDED	3.33 4 L 5.88 SL	SC SL	1.0 oz/a 32.0 oz/a 22.0 oz/a 0.83 % v/v		EPOST EPOST EPOST EPOST	A A A A	15 GPA 15 GPA 15 GPA 15 GPA	1.5 L 1.5 L 1.5 L 1.5 L	0.7812 mL/mx 25.0 mL/mx 17.19 mL/mx 12.45 mL/mx	- 1444.6 mL	102	203	305
3	NO COUNTER SHIELDDEX ATRAZINE ROUNDUP POWERMAX3 GROUNDED	3.33 4 L 5.88 SL	SC SL	1.35 oz/a 32.0 oz/a 22.0 oz/a 0.83 % v/v		EPOST EPOST EPOST EPOST	A A A A	15 GPA 15 GPA 15 GPA 15 GPA	1.5 L 1.5 L 1.5 L 1.5 L	1.055 mL/mx 25.0 mL/mx 17.19 mL/mx 12.45 mL/mx	- 1444.3 mL	103	204	301
4	NO COUNTER EMPYROS ATRAZINE ROUNDUP POWERMAX3 GROUNDED	3.82 4 L 5.88 SL	L SL	45.0 oz/a 32.0 oz/a 22.0 oz/a 0.83 % v/v		EPOST EPOST EPOST EPOST	A A A A	15 GPA 15 GPA 15 GPA 15 GPA	1.5 L 1.5 L 1.5 L 1.5 L	35.16 mL/mx 25.0 mL/mx 17.19 mL/mx 12.45 mL/mx	- 1410.2 mL	104	202	302
5	NO COUNTER EMPYROS ATRAZINE ROUNDUP POWERMAX3 GROUNDED	3.82 4 L 5.88 SL	L SL	32.0 oz/a 32.0 oz/a 22.0 oz/a 0.83 % v/v		EPOST EPOST EPOST EPOST	A A A A	15 GPA 15 GPA 15 GPA 15 GPA	1.5 L 1.5 L 1.5 L 1.5 L	25.0 mL/mx 25.0 mL/mx 17.19 mL/mx 12.45 mL/mx	- 1420.4 mL	105	201	303
6	COUNTER NTC	20 GR		6.0 oz wt/1000 row-ft	INFR	A A		-	-	4.252 g/1 row/1 plot	- -	106	210	309
7	COUNTER SHIELDDEX ATRAZINE ROUNDUP POWERMAX3 GROUNDED	20 GR 3.33 SC 4 L 5.88 SL		6.0 oz wt/1000 row-ft 1.0 oz/a 32.0 oz/a 22.0 oz/a 0.83 % v/v	INFR	A EPOST EPOST EPOST EPOST		-	- 15 GPA 15 GPA 15 GPA 15 GPA	4.252 g/1 row/1 plot 0.7812 mL/mx 25.0 mL/mx 17.19 mL/mx 12.45 mL/mx	- 1444.6 mL	107	209	310
8	COUNTER SHIELDDEX ATRAZINE ROUNDUP POWERMAX3 GROUNDED	20 GR 3.33 SC 4 L 5.88 SL		6.0 oz wt/1000 row-ft 1.35 oz/a 32.0 oz/a 22.0 oz/a 0.83 % v/v	INFR	A EPOST EPOST EPOST EPOST		-	- 15 GPA 15 GPA 15 GPA 15 GPA	4.252 g/1 row/1 plot 1.055 mL/mx 25.0 mL/mx 17.19 mL/mx 12.45 mL/mx	- 1444.3 mL	108	207	306
9	COUNTER EMPYROS ATRAZINE ROUNDUP POWERMAX3 GROUNDED	20 GR 3.82 L 4 L 5.88 SL		6.0 oz wt/1000 row-ft 45.0 oz/a 32.0 oz/a 22.0 oz/a 0.83 % v/v	INFR	A EPOST EPOST EPOST EPOST		-	- 15 GPA 15 GPA 15 GPA 15 GPA	4.252 g/1 row/1 plot 35.16 mL/mx 25.0 mL/mx 17.19 mL/mx 12.45 mL/mx	- 1410.2 mL	109	208	307

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COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST
IN FIELD CORN-YEAR 3

Trial ID: CN-02A-24 Study Dir.: ZACH TAYLOR
Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 3 Plots: 6 by 25 feet

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Appl. Amount	Mix Size	Amt Product to Measure	Diluent	Rep 1	2	3
10	COUNTER	20	GR	6.0 oz wt/1000 row-ft	INFR	A	-	-	4.252 g/1 row/1 plot	-	110	206	308
	EMPYROS	3.82	L	32.0 oz/a	EPOST	A	15 GPA	1.5 L	25.0 mL/mx	1420.4 mL			
	ATRAZINE	4	L	32.0 oz/a	EPOST	A	15 GPA	1.5 L	25.0 mL/mx				
	ROUNDUP POWERMAX3	5.88	SL	22.0 oz/a	EPOST	A	15 GPA	1.5 L	17.19 mL/mx				
	GROUNDED			0.83 % v/v	EPOST	A	15 GPA	1.5 L	12.45 mL/mx				

Sort Order: Treatment

Trial Comments

HM1821A = EMPYROS = TOLPYRALATE (0.1 LBS AI/GAL) + S-METOLACHLOR (3.72 LBS AI/GAL) + BENOXACOR

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

NEMATODE SAMPLE RESULTS 06/26/24: ROOT KNOT = 230/100 CC; STUBBY = 30/100 CC

HARVEST DATE: 08/30/24
HARVEST MOISTURE: 16.3%
YIELDS ADJUSTED TO 15.5%

SUMMARY:

1) GENERALLY, EPOST APPLICATONS OF EMPYROS WERE MORE INJURIOUS THAN SHIELDEX (STUNTING, BLEACHING, NECROSIS, HEIGHT REDUCTIONS).

2) COUNTER INFR HAD NO EFFECT ON CORN RESPONSE TO SHIELDEX OR EMPYROS.

3) CORN STAND WAS IMPROVED WHEN COUNTER WAS APPLIED INFR.

3) WEED CONTROL WAS SIMILAR BETWEEN SHIELDEX AND EMPYROS.

4) FOR CORN YIELD THERE WAS NO INTERACTION BETWEEN COUNTER AND HERBICIDE TREATMENT (P=0.6196). WHEN AVERAGED OVER HERBICIDE, COUNTER HAD NO EFFECT ON YIELD (P=0.4015). WHEN AVERAGED OVER COUNTER, HERBICIDE TREATMENT HAD NO EFFECT ON YIELD (P=0.1546).

5) CORN YIELDS WERE LOWER THAN NORMAL DUE TO EXCESSIVE RAINFALL IN MAY AND NO RAINFALL IN JUNE.

GENERAL TRIAL INFORMATION

Study Director: ZACH TAYLOR Title: _____
Affiliation: BASF
Postal Code: _____

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COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST
IN FIELD CORN-YEAR 3

Trial ID: CN-02A-24 Study Dir.: ZACH TAYLOR
Location: PONDER FARM Investigator: Eric P. Prostko

Investigator: Eric P. Prostko Title: _____
Affiliation: UGA
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.	MOLVE	CA	RPETWEED

Crop 1: ZEAMA FIELD CORN Variety: DEKALB DKC68-35
Planting Date: Apr-17-24 Planting Method: MONOSEM
Rate: 33880 S/A Depth: 1.5 IN Perennial Age: _____
Row Spacing: 36 IN Spacing Within Row: _____ Seed Bed: _____
Soil Temperature: _____ Soil Moisture: OPTIMUM Emergence Date: _____

SITE AND DESIGN

Plot Width, Unit: 6 FT Plot Length, Unit: 25 FT Reps: 3
Site Type: _____
Tillage Type: CONVENTIONAL Study Design: SPLPLO

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COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST
IN FIELD CORN-YEAR 3
Trial ID: CN-02A-24 Study Dir.: ZACH TAYLOR
Location: PONDER FARM Investigator: Eric P. Prostko

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.	FALLOW		2023

MAINTENANCE
Field Prep./Maintenance: 1000 LBS/A 5-15-30 - PREPLANT
AXILO BMZ (MICRO-NUTRIENTS) - APRIL 30
SIDEDRESS: 125-0-0-16 - MAY 1
SIDEDRESS: 83-0-0-10 - MAY 13
SIDEDRESS: 83-0-0-10 - JUNE 1

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

% Sand: 94

% Silt: 4

% Clay: 2

% OM: 0.53

pH: 6.4

CEC: 2.6

SOIL DESCRIPTION

Texture: SAND

Soil Name: DOTHAN

Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

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Trial ID: CN-02A-24 Study Dir.: ZACH TAYLOR
Location: PONDER FARM Investigator: Eric P. Prostko

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-18-24		0.2	IN	SPRINKLER - LATERAL MOVE		
2.	Apr-19-24		0.15	IN	SPRINKLER - LATERAL MOVE		
3.	Apr-21-24		1.0	IN	RAINFALL		
4.	May-2-24		0.3	IN	SPRINKLER - LATERAL MOVE		
5.	May-4-24		0.9	IN	RAINFALL		
6.	May-9-24		0.75	IN	RAINFALL		
7.	May-10-24		0.75	IN	RAINFALL		
8.	May-13-24		1.1	IN	RAINFALL		
9.	May-17-24		0.96	IN	RAINFALL		
10.	May-18-24		1.35	IN	RAINFALL		
11.	May-19-24		0.69	IN	RAINFALL		
12.	May-25-24		0.44	IN	RAINFALL		
13.	May-27-24		0.62	IN	RAINFALL		
14.	Jun-1-24		0.15	IN	SPRINKLER - LATERAL MOVE		
15.	Jun-3-24		0.5	IN	SPRINKLER - LATERAL MOVE		
16.	Jun-4-24		0.4	IN	SPRINKLER - LATERAL MOVE		
17.	Jun-7-24		0.25	IN	SPRINKLER - LATERAL MOVE		
18.	Jun-10-24		0.25	IN	SPRINKLER - LATERAL MOVE		
19.	Jun-11-24		0.45	IN	SPRINKLER - LATERAL MOVE		
20.	Jun-27-24		0.9	IN	RAINFALL		

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

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Trial ID:	CN-02A-24	Study Dir.:	ZACH TAYLOR
Location:	PONDER FARM	Investigator:	Eric P. Prostko

APPLICATION DESCRIPTION	
	A
Application Date:	May-6-24
Time of Day:	6:55 AM
Application Method:	BROADCAST
Application Timing:	EPOST
Applic. Placement:	FOLIAGE
Air Temp., Unit:	68 F
% Relative Humidity:	97
Wind Velocity, Unit:	0 MPH
Dew Presence (Y/N):	Y
Water Hardness:	-----
Soil Temp., Unit:	74 F
Soil Moisture:	WET
% Cloud Cover:	100

CROP STAGE AT EACH APPLICATION	
	A
Crop 1 Code, Stage:	ZEAMA,
Stage Scale:	V4-V5
Height, Unit:	8, IN

WEED STAGE AT EACH APPLICATION	
	A
Weed 1 Code, Stage:	AGRAS,
Stage Scale:	
Density, Unit:	
Weed 2 Code, Stage:	AMAPA,
Stage Scale:	
Density, Unit:	
Weed 3 Code, Stage:	RAPRA,
Stage Scale:	
Density, Unit:	
Weed 4 Code, Stage:	MOLVE,
Stage Scale:	
Density, Unit:	

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Trial ID:	CN-02A-24	Study Dir.:	ZACH TAYLOR
Location:	PONDER FARM	Investigator:	Eric P. Prostko

APPLICATION EQUIPMENT	
	A
Appl. Equipment:	BACKPACK
Operating Pressure:	37
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-02A-24		Study Dir.:		ZACH TAYLOR									
Location:		PONDER FARM		Investigator:		Eric P. Prostko									
Weed Code							Zeama Stunting %	Zeama Bleaching %	Zeama Chlorosis %	Amapa Control %	Rapra Control %	Agrass Control %	Molve Control %	Zeama #/5ft	
Crop Code															
Rating Data Type															
Rating Unit															
Rating Date							May-15-24	May-15-24	May-15-24	May-15-24	May-15-24	May-15-24	May-15-24	May-21-24	
Trt-Eval Interval							9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	15 DA-A
Trt Treatment No. Name		Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	7	8	
TABLE OF R MEANS							9.5	10.0	6.5	79.2	65.9	79.2	79.2	11.4	
Replicate 1															
Replicate 2															
Replicate 3							8.5	10.5	7.0	79.2	74.9	79.2	79.2	11.1	
TABLE OF A (COUNTER) MEANS							7.7 -	9.0 -	6.0 -	79.2 na	69.5 -	79.2 na	79.2 na	10.8 b	
1 NO COUNTER A															
2 COUNTER 20 GR 6.0 oz wt/1000 row-ft INFR A															
LSD P=.10							5.42	5.92	4.24	.	9.21	.	.	0.89	
Standard Deviation							5.08	5.55	3.98	0.00	8.63	0.00	0.00	0.84	
CV							63.53	53.74	62.83	0.00	12.20	0.00	0.00	7.40	
TABLE OF B (HERBICIDE) MEANS							0.0 d	0.0 c	0.0 c	0.0 na	0.0 b	0.0 na	0.0 na	11.2 -	
1 NTC A															
2 SHIELDEX 3.33 SC 1.0 oz/a EPOST A															
2 ATRAZINE 4 L 32.0 oz/a EPOST A							6.7 c	10.8 b	5.8 b	99.0 na	87.3 a	99.0 na	99.0 na	11.7 -	
2 ROUNDUP POWERMAX3 5.88 SL 22.0 oz/a EPOST A															
2 GROUNDED 0.83 % v/v EPOST A															
3 SHIELDEX 3.33 SC 1.35 oz/a EPOST A							6.7 c	12.5 ab	6.7 b	99.0 na	85.8 a	99.0 na	99.0 na	11.7 -	
3 ATRAZINE 4 L 32.0 oz/a EPOST A															
3 ROUNDUP POWERMAX3 5.88 SL 22.0 oz/a EPOST A															
3 GROUNDED 0.83 % v/v EPOST A							15.8 a	16.7 a	10.0 a	99.0 na	87.5 a	99.0 na	99.0 na	11.3 -	
4 EMPYROS 3.82 L 45.0 oz/a EPOST A															
4 ATRAZINE 4 L 32.0 oz/a EPOST A															
4 ROUNDUP POWERMAX3 5.88 SL 22.0 oz/a EPOST A							10.8 b	11.7 b	9.2 a	99.0 na	93.2 a	99.0 na	99.0 na	10.7 -	
4 GROUNDED 0.83 % v/v EPOST A															
5 EMPYROS 3.82 L 32.0 oz/a EPOST A															
5 ATRAZINE 4 L 32.0 oz/a EPOST A							3.25	4.51	2.16	.	8.04	.	.	1.01	
5 ROUNDUP POWERMAX3 5.88 SL 22.0 oz/a EPOST A															
5 GROUNDED 0.83 % v/v EPOST A															
LSD P=.10							3.23	4.47	2.14	0.00	7.98	0.00	0.00	1.00	
Standard Deviation															

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.

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Trial ID:		CN-02A-24		Study Dir.:		ZACH TAYLOR								
Location:		PONDER FARM		Investigator:		Eric P. Prostko								
Weed Code						Zeama Stunting %	Zeama Bleaching %	Zeama Chlorosis %	Amapa Control %	Rapra Control %	Agrass Control %	Molve Control %	Zeama #/5ft	
Crop Code						May-15-24	May-15-24	May-15-24	May-15-24	May-15-24	May-15-24	May-15-24	May-21-24	
Rating Data Type														
Rating Unit														
Rating Date														
Trt-Eval Interval						9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	15 DA-A	
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate Unit	Stg	Code	1	2	3	4	5	6	7	8
CV							40.34	43.28	33.80	0.00	11.28	0.00	0.00	8.85
TABLE OF A (COUNTER) B (HERBICIDE) MEANS														
1	NO COUNTER					A	0.0 -	0.0 -	0.0 -	0.0 na	0.0 -	0.0 na	0.0 na	10.7 -
1	NTC					A								
2	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A	0.0 -	0.0 -	0.0 -	0.0 na	0.0 -	0.0 na	0.0 na	11.7 -
1	NTC					A								
1	NO COUNTER					A	5.0 -	8.3 -	5.0 -	99.0 na	84.7 -	99.0 na	99.0 na	11.0 -
2	SHIELDEX	3.33 SC		1.0 oz/a	EPOST	A								
2	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
2	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
2	GROUNDED			0.83 % v/v	EPOST	A								
2	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A	8.3 -	13.3 -	6.7 -	99.0 na	90.0 -	99.0 na	99.0 na	12.3 -
2	SHIELDEX	3.33 SC		1.0 oz/a	EPOST	A								
2	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
2	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
2	GROUNDED			0.83 % v/v	EPOST	A								
1	NO COUNTER					A	6.7 -	10.0 -	6.7 -	99.0 na	80.0 -	99.0 na	99.0 na	11.3 -
3	SHIELDEX	3.33 SC		1.35 oz/a	EPOST	A								
3	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
3	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
3	GROUNDED			0.83 % v/v	EPOST	A								
2	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A	6.7 -	15.0 -	6.7 -	99.0 na	91.7 -	99.0 na	99.0 na	12.0 -
3	SHIELDEX	3.33 SC		1.35 oz/a	EPOST	A								
3	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
3	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
3	GROUNDED			0.83 % v/v	EPOST	A								
1	NO COUNTER					A	16.7 -	16.7 -	10.0 -	99.0 na	86.7 -	99.0 na	99.0 na	11.0 -
4	EMPYROS	3.82 L		45.0 oz/a	EPOST	A								
4	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
4	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
4	GROUNDED			0.83 % v/v	EPOST	A								

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.

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Weed Code							Zeama Stunting %	Zeama Bleaching %	Zeama Chlorosis %	Amapa Control %	Rapra Control %	Agrass Control %	Molve Control %	Zeama #/5ft
Crop Code														
Rating Data Type														
Rating Unit														
Rating Date							May-15-24	May-15-24	May-15-24	May-15-24	May-15-24	May-15-24	May-15-24	May-21-24
Trt-Eval Interval							9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	15 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	7	8
2	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A	15.0 -	16.7 -	10.0 -	99.0 na	88.3 -	99.0 na	99.0 na	11.7 -
4	EMPYROS	3.82 L		45.0 oz/a	EPOST	A								
4	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
4	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
4	GROUNDED			0.83 % v/v	EPOST	A								
1	NO COUNTER					A	10.0 -	10.0 -	8.3 -	99.0 na	96.3 -	99.0 na	99.0 na	10.0 -
5	EMPYROS	3.82 L		32.0 oz/a	EPOST	A								
5	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
5	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
5	GROUNDED			0.83 % v/v	EPOST	A								
2	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A	11.7 -	13.3 -	10.0 -	99.0 na	90.0 -	99.0 na	99.0 na	11.3 -
5	EMPYROS	3.82 L		32.0 oz/a	EPOST	A								
5	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
5	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
5	GROUNDED			0.83 % v/v	EPOST	A								
LSD P=.10							4.60	6.38	3.05	.	11.38	.	.	1.43
Standard Deviation							3.23	4.47	2.14	0.00	7.98	0.00	0.00	1.00
CV							40.34	43.28	33.80	0.00	11.28	0.00	0.00	8.85

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Trial ID:		CN-02A-24		Study Dir.:		ZACH TAYLOR									
Location:		PONDER FARM		Investigator:		Eric P. Prostko									
Weed Code							Zeama	Zeama	Zeama	Zeama	Zeama	ZEAMA	Zeama	Amapa	
Crop Code							Hgt1	Hgt2	Hgt3	Hgt4	Hgt5	HGT-AVG	Stunt	Control	
Rating Data Type							In	In	In	In	In	IN	%	%	
Rating Unit							May-21-24	May-21-24	May-21-24	May-21-24	May-21-24	May-21-24	May-27-24	May-27-24	
Rating Date															
Trt-Eval Interval							15 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A	21 DA-A	21 DA-A	
Trt Treatment		Form Form		Rate		Grow	Appl								
No. Name		Conc Type		Rate Unit		Stg	Code	9	10	11	12	13	14	15	16
TABLE OF R MEANS															
Replicate 1							23.0	22.5	22.9	22.7	22.7	22.8	13.0	79.2	
Replicate 2							22.0	22.7	22.0	22.5	21.8	22.2	11.0	79.2	
Replicate 3							19.7	20.5	21.0	20.5	20.4	20.4	9.0	79.2	
TABLE OF A (COUNTER) MEANS															
1 NO COUNTER						A	21.5 -	21.8 -	21.9 -	22.3 -	22.1 -	21.9 -	10.0 -	79.2 na	
2 COUNTER		20 GR		6.0 oz wt/1000 row-ft		INFR	A	21.7 -	22.0 -	22.1 -	21.5 -	21.1 -	21.7 -	12.0 -	79.2 na
LSD P=.10							2.21	1.17	0.89	2.06	2.92	1.74	6.74	.	
Standard Deviation							2.07	1.10	0.84	1.93	2.74	1.63	6.32	0.00	
CV							9.62	5.00	3.81	8.82	12.66	7.49	57.50	0.00	
TABLE OF B (HERBICIDE) MEANS															
1 NTC						A	24.2 a	24.2 a	24.0 a	24.3 a	24.8 a	24.3 a	0.0 d	0.0 na	
2 SHIELDEX		3.33 SC		1.0 oz/a		EPOST A	22.7 ab	22.8 a	22.2 b	22.8 b	22.0 b	22.5 b	9.2 c	99.0 na	
2 ATRAZINE		4 L		32.0 oz/a		EPOST A									
2 ROUNDUP POWERMAX3		5.88 SL		22.0 oz/a		EPOST A									
2 GROUNDED				0.83 % v/v		EPOST A									
3 SHIELDEX		3.33 SC		1.35 oz/a		EPOST A	22.0 b	22.3 ab	22.5 b	22.5 b	22.0 b	22.3 b	11.7 bc	99.0 na	
3 ATRAZINE		4 L		32.0 oz/a		EPOST A									
3 ROUNDUP POWERMAX3		5.88 SL		22.0 oz/a		EPOST A									
3 GROUNDED				0.83 % v/v		EPOST A									
4 EMPYROS		3.82 L		45.0 oz/a		EPOST A	19.8 c	19.5 c	20.5 c	19.8 c	19.3 c	19.8 c	18.3 a	99.0 na	
4 ATRAZINE		4 L		32.0 oz/a		EPOST A									
4 ROUNDUP POWERMAX3		5.88 SL		22.0 oz/a		EPOST A									
4 GROUNDED				0.83 % v/v		EPOST A									
5 EMPYROS		3.82 L		32.0 oz/a		EPOST A	19.2 c	20.7 bc	20.7 c	20.0 c	20.0 c	20.1 c	15.8 ab	99.0 na	
5 ATRAZINE		4 L		32.0 oz/a		EPOST A									
5 ROUNDUP POWERMAX3		5.88 SL		22.0 oz/a		EPOST A									
5 GROUNDED				0.83 % v/v		EPOST A									
LSD P=.10							1.64	2.07	1.28	1.31	1.22	1.27	6.12	.	
Standard Deviation							1.62	2.05	1.27	1.30	1.21	1.26	6.07	0.00	

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.

University of Georgia

COUNTER WITH SHIELDDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3														
Trial ID:		CN-02A-24		Study Dir.:		ZACH TAYLOR								
Location:		PONDER FARM		Investigator:		Eric P. Prostko								
Weed Code							Zeama	Zeama	Zeama	Zeama	Zeama	ZEAMA	Zeama	Amapa
Crop Code							Hgt1	Hgt2	Hgt3	Hgt4	Hgt5	HGT-AVG	Stunt	Control
Rating Data Type							In	In	In	In	In	IN	%	%
Rating Unit							May-21-24	May-21-24	May-21-24	May-21-24	May-21-24	May-21-24	May-27-24	May-27-24
Rating Date														
Trt-Eval Interval							15 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A	21 DA-A	21 DA-A
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate Unit	Stg	Code	9	10	11	12	13	14	15	16
CV							7.52	9.37	5.79	5.92	5.60	5.80	55.20	0.00
TABLE OF A (COUNTER) B (HERBICIDE) MEANS														
1	NO COUNTER					A	24.0 -	23.7 -	23.7 -	25.0 -	25.7 -	24.4 -	0.0 -	0.0 na
1	NTC					A								
2	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A	24.3 -	24.7 -	24.3 -	23.7 -	24.0 -	24.2 -	0.0 -	0.0 na
1	NTC					A								
1	NO COUNTER					A	23.3 -	23.3 -	22.3 -	23.7 -	22.7 -	23.1 -	6.7 -	99.0 na
2	SHIELDDEX	3.33 SC		1.0 oz/a	EPOST	A								
2	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
2	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
2	GROUNDED			0.83 % v/v	EPOST	A								
2	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A	22.0 -	22.3 -	22.0 -	22.0 -	21.3 -	21.9 -	11.7 -	99.0 na
2	SHIELDDEX	3.33 SC		1.0 oz/a	EPOST	A								
2	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
2	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
2	GROUNDED			0.83 % v/v	EPOST	A								
1	NO COUNTER					A	22.0 -	21.7 -	22.3 -	23.0 -	22.7 -	22.3 -	10.0 -	99.0 na
3	SHIELDDEX	3.33 SC		1.35 oz/a	EPOST	A								
3	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
3	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
3	GROUNDED			0.83 % v/v	EPOST	A								
2	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A	22.0 -	23.0 -	22.7 -	22.0 -	21.3 -	22.2 -	13.3 -	99.0 na
3	SHIELDDEX	3.33 SC		1.35 oz/a	EPOST	A								
3	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
3	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
3	GROUNDED			0.83 % v/v	EPOST	A								
1	NO COUNTER					A	20.3 -	20.3 -	20.7 -	20.3 -	20.0 -	20.3 -	15.0 -	99.0 na
4	EMPYROS	3.82 L		45.0 oz/a	EPOST	A								
4	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
4	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
4	GROUNDED			0.83 % v/v	EPOST	A								

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.

University of Georgia

COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3														
Trial ID:		CN-02A-24		Study Dir.:		ZACH TAYLOR								
Location:		PONDER FARM		Investigator:		Eric P. Prostko								
Weed Code							Zeama	Zeama	Zeama	Zeama	Zeama	ZEAMA	Zeama	Amapa
Crop Code							Hgt1	Hgt2	Hgt3	Hgt4	Hgt5	HGT-AVG	Stunt	Control
Rating Data Type							In	In	In	In	In	IN	%	%
Rating Unit							May-21-24	May-21-24	May-21-24	May-21-24	May-21-24	May-21-24	May-27-24	May-27-24
Rating Date														
Trt-Eval Interval							15 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A	21 DA-A	21 DA-A
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate Unit	Stg	Code	9	10	11	12	13	14	15	16
2	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A	19.3 -	18.7 -	20.3 -	19.3 -	18.7 -	19.3 -	21.7 -	99.0 na
4	EMPYROS	3.82 L		45.0 oz/a	EPOST	A								
4	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
4	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
4	GROUNDED			0.83 % v/v	EPOST	A								
1	NO COUNTER					A	17.7 -	20.0 -	20.3 -	19.7 -	19.7 -	19.5 -	18.3 -	99.0 na
5	EMPYROS	3.82 L		32.0 oz/a	EPOST	A								
5	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
5	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
5	GROUNDED			0.83 % v/v	EPOST	A								
2	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A	20.7 -	21.3 -	21.0 -	20.3 -	20.3 -	20.7 -	13.3 -	99.0 na
5	EMPYROS	3.82 L		32.0 oz/a	EPOST	A								
5	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
5	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
5	GROUNDED			0.83 % v/v	EPOST	A								
LSD P=.10							2.31	2.92	1.81	1.85	1.73	1.80	8.66	.
Standard Deviation							1.62	2.05	1.27	1.30	1.21	1.26	6.07	0.00
CV							7.52	9.37	5.79	5.92	5.60	5.80	55.20	0.00

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Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3									
Trial ID: CN-02A-24		Study Dir.: ZACH TAYLOR							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code				Rapra	Agrass				
Crop Code				Control %	Control %	Zeama Stunt %	Amapa Control %	Rapra Control %	Agrass Control %
Rating Data Type				May-27-24	May-27-24	Jun-10-24	Jun-10-24	Jun-10-24	Jun-10-24
Rating Unit									
Rating Date									
Trt-Eval Interval				21 DA-A	21 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code				
						17	18	19	20
						21	22	23	24
TABLE OF R MEANS									
Replicate 1									
Replicate 2									
Replicate 3									
TABLE OF A (COUNTER) MEANS									
1 NO COUNTER				A		66.3 -	78.1 -	5.7 -	78.3 -
2 COUNTER	20 GR		6.0 oz wt/1000 row-ft INFR	A		63.3 -	78.6 -	6.7 -	78.9 -
LSD P=.10						6.08	0.97	2.92	0.89
Standard Deviation						5.70	0.91	2.74	0.84
CV						8.79	1.16	44.41	1.06
TABLE OF B (HERBICIDE) MEANS									
1 NTC				A		0.0 c	0.0 c	0.0 c	0.0 c
2 SHIELDEX	3.33 SC		1.0 oz/a	EPOST A		77.5 b	96.2 b	1.7 c	98.3 ab
2 ATRAZINE	4 L		32.0 oz/a	EPOST A					
2 ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST A					
2 GROUNDED			0.83 % v/v	EPOST A					
3 SHIELDEX	3.33 SC		1.35 oz/a	EPOST A		80.8 ab	99.0 a	6.7 b	96.8 b
3 ATRAZINE	4 L		32.0 oz/a	EPOST A					
3 ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST A					
3 GROUNDED			0.83 % v/v	EPOST A					
4 EMPYROS	3.82 L		45.0 oz/a	EPOST A		78.3 b	99.0 a	13.3 a	99.0 a
4 ATRAZINE	4 L		32.0 oz/a	EPOST A					
4 ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST A					
4 GROUNDED			0.83 % v/v	EPOST A					
5 EMPYROS	3.82 L		32.0 oz/a	EPOST A		87.5 a	97.7 ab	9.2 ab	99.0 a
5 ATRAZINE	4 L		32.0 oz/a	EPOST A					
5 ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST A					
5 GROUNDED			0.83 % v/v	EPOST A					
LSD P=.10						7.36	1.99	4.55	2.03
Standard Deviation						7.30	1.97	4.52	2.02

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.

University of Georgia

COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3									
Trial ID: CN-02A-24		Study Dir.: ZACH TAYLOR							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code					Rapra	Agrass			
Crop Code					Control	Control	Zeama	Amapa	Rapra
Rating Data Type					%	%	Stunt	Control	Control
Rating Unit					May-27-24	May-27-24	%	%	%
Rating Date							Jun-10-24	Jun-10-24	Jun-10-24
Trt-Eval Interval					21 DA-A	21 DA-A	35 DA-A	35 DA-A	35 DA-A
Trt Treatment	Form	Form	Rate	Grow	Appl				
No. Name	Conc	Type	Rate Unit	Stg	Code	17	18	19	20
CV						11.26	2.52	73.27	2.56
TABLE OF A (COUNTER) B (HERBICIDE) MEANS									
1 NO COUNTER				A		0.0 d	0.0 -	0.0 -	0.0 -
1 NTC				A					
2 COUNTER	20 GR	6.0 oz wt/1000 row-ft	INFR	A		0.0 d	0.0 -	0.0 -	0.0 -
1 NTC				A					
1 NO COUNTER				A		81.7 ab	96.3 -	1.7 -	97.7 -
2 SHIELDEX	3.33 SC	1.0 oz/a	EPOST	A				85.0 -	95.0 -
2 ATRAZINE	4 L	32.0 oz/a	EPOST	A					
2 ROUNDUP POWERMAX3	5.88 SL	22.0 oz/a	EPOST	A					
2 GROUNDED		0.83 % v/v	EPOST	A					
2 COUNTER	20 GR	6.0 oz wt/1000 row-ft	INFR	A		73.3 bc	96.0 -	1.7 -	99.0 -
2 SHIELDEX	3.33 SC	1.0 oz/a	EPOST	A				78.3 -	93.0 -
2 ATRAZINE	4 L	32.0 oz/a	EPOST	A					
2 ROUNDUP POWERMAX3	5.88 SL	22.0 oz/a	EPOST	A					
2 GROUNDED		0.83 % v/v	EPOST	A					
1 NO COUNTER				A		75.0 bc	99.0 -	5.0 -	96.0 -
3 SHIELDEX	3.33 SC	1.35 oz/a	EPOST	A				78.3 -	95.0 -
3 ATRAZINE	4 L	32.0 oz/a	EPOST	A					
3 ROUNDUP POWERMAX3	5.88 SL	22.0 oz/a	EPOST	A					
3 GROUNDED		0.83 % v/v	EPOST	A					
2 COUNTER	20 GR	6.0 oz wt/1000 row-ft	INFR	A		86.7 a	99.0 -	8.3 -	97.7 -
3 SHIELDEX	3.33 SC	1.35 oz/a	EPOST	A				83.3 -	95.0 -
3 ATRAZINE	4 L	32.0 oz/a	EPOST	A					
3 ROUNDUP POWERMAX3	5.88 SL	22.0 oz/a	EPOST	A					
3 GROUNDED		0.83 % v/v	EPOST	A					
1 NO COUNTER				A		86.7 a	99.0 -	11.7 -	99.0 -
4 EMPYROS	3.82 L	45.0 oz/a	EPOST	A				91.7 -	97.7 -
4 ATRAZINE	4 L	32.0 oz/a	EPOST	A					
4 ROUNDUP POWERMAX3	5.88 SL	22.0 oz/a	EPOST	A					
4 GROUNDED		0.83 % v/v	EPOST	A					

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University of Georgia

COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3														
Trial ID:		CN-02A-24		Study Dir.:		ZACH TAYLOR								
Location:		PONDER FARM		Investigator:		Eric P. Prostko								
Weed Code							Rapra	Agrass						
Crop Code									Zeama	Amapa	Rapra	Agrass	Zeama	Zeama
Rating Data Type							Control	Control	Stunt	Control	Control	Control	Hgt1	Hgt2
Rating Unit							%	%	%	%	%	%	In	In
Rating Date							May-27-24	May-27-24	Jun-10-24	Jun-10-24	Jun-10-24	Jun-10-24	Jun-10-24	Jun-10-24
Trt-Eval Interval							21 DA-A	21 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate Unit	Stg	Code	17	18	19	20	21	22	23	24
2	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A	70.0 c	99.0 -	15.0 -	99.0 -	75.0 -	95.0 -	40.7 -	45.7 -
4	EMPYROS	3.82 L		45.0 oz/a	EPOST	A								
4	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
4	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
4	GROUNDED			0.83 % v/v	EPOST	A								
1	NO COUNTER					A	88.3 a	96.3 -	10.0 -	99.0 -	80.0 -	93.3 -	46.0 -	49.7 -
5	EMPYROS	3.82 L		32.0 oz/a	EPOST	A								
5	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
5	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
5	GROUNDED			0.83 % v/v	EPOST	A								
2	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A	86.7 a	99.0 -	8.3 -	99.0 -	80.0 -	95.0 -	48.7 -	46.3 -
5	EMPYROS	3.82 L		32.0 oz/a	EPOST	A								
5	ATRAZINE	4 L		32.0 oz/a	EPOST	A								
5	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
5	GROUNDED			0.83 % v/v	EPOST	A								
LSD P=.10							10.41	2.82	6.44	2.87	10.23	3.70	7.47	8.57
Standard Deviation							7.30	1.97	4.52	2.02	7.17	2.59	5.24	6.01
CV							11.26	2.52	73.27	2.56	11.01	3.42	11.09	12.24

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.

University of Georgia

COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3											
Trial ID:		CN-02A-24		Study Dir.:		ZACH TAYLOR					
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code							Zeama	Zeama	Zeama	ZEAMA	ZEAMA
Crop Code							Hgt3	Hgt4	Hgt5	HEIGHT	YIELD
Rating Data Type							In	In	In	INCHES	LBS/PLOT
Rating Unit							Jun-10-24	Jun-10-24	Jun-10-24	Jun-10-24	Aug-30-24
Rating Date											Aug-30-24
Trt-Eval Interval							35 DA-A	35 DA-A	35 DA-A	35 DA-A	116 DA-A
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate Unit	Stg	Code	25	26	27	28	
CV							7.40	12.06	8.99	6.24	
										25.85	
TABLE OF A (COUNTER) B (HERBICIDE) MEANS											
1	NO COUNTER					A	57.7 a	57.3 -	57.0 -	52.5 -	
1	NTC					A				23.7 -	
2	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A	48.3 bc	49.7 -	45.3 -	49.2 -	
1	NTC					A				20.0 -	
1	NO COUNTER					A	50.3 b	56.0 -	55.7 -	53.3 -	
2	SHIELDEX	3.33 SC		1.0 oz/a	EPOST	A				30.3 -	
2	ATRAZINE	4 L		32.0 oz/a	EPOST	A				155.8 -	
2	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A					
2	GROUNDED			0.83 % v/v	EPOST	A					
2	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A	51.3 b	48.0 -	50.0 -	49.5 -	
2	SHIELDEX	3.33 SC		1.0 oz/a	EPOST	A				27.7 -	
2	ATRAZINE	4 L		32.0 oz/a	EPOST	A				142.1 -	
2	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A					
2	GROUNDED			0.83 % v/v	EPOST	A					
1	NO COUNTER					A	50.3 b	48.7 -	48.7 -	48.6 -	
3	SHIELDEX	3.33 SC		1.35 oz/a	EPOST	A				24.0 -	
3	ATRAZINE	4 L		32.0 oz/a	EPOST	A				123.3 -	
3	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A					
3	GROUNDED			0.83 % v/v	EPOST	A					
2	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A	52.3 b	52.0 -	50.0 -	50.9 -	
3	SHIELDEX	3.33 SC		1.35 oz/a	EPOST	A				20.0 -	
3	ATRAZINE	4 L		32.0 oz/a	EPOST	A				102.7 -	
3	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A					
3	GROUNDED			0.83 % v/v	EPOST	A					
1	NO COUNTER					A	49.3 bc	51.0 -	48.3 -	48.7 -	
4	EMPYROS	3.82 L		45.0 oz/a	EPOST	A				26.3 -	
4	ATRAZINE	4 L		32.0 oz/a	EPOST	A				135.3 -	
4	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A					
4	GROUNDED			0.83 % v/v	EPOST	A					

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.

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COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3												
Trial ID:		CN-02A-24		Study Dir.:		ZACH TAYLOR						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							Zeama	Zeama	Zeama	ZEAMA	ZEAMA	ZEAMA
Crop Code							Hgt3	Hgt4	Hgt5	HEIGHT	YIELD	YIELD
Rating Data Type							In	In	In	INCHES	LBS/PLOT	BU/A
Rating Unit							Jun-10-24	Jun-10-24	Jun-10-24	Jun-10-24	Aug-30-24	Aug-30-24
Rating Date												
Trt-Eval Interval							35 DA-A	35 DA-A	35 DA-A	35 DA-A	116 DA-A	116 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	25	26	27	28	29	30
2	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A	44.7 c	38.0 -	43.3 -	42.5 -	33.0 -	169.5 -
4	EMPYROS	3.82 L		45.0 oz/a	EPOST	A						
4	ATRAZINE	4 L		32.0 oz/a	EPOST	A						
4	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A						
4	GROUNDED			0.83 % v/v	EPOST	A						
1	NO COUNTER					A	47.7 bc	51.0 -	49.0 -	48.7 -	25.0 -	128.4 -
5	EMPYROS	3.82 L		32.0 oz/a	EPOST	A						
5	ATRAZINE	4 L		32.0 oz/a	EPOST	A						
5	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A						
5	GROUNDED			0.83 % v/v	EPOST	A						
2	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A	49.0 bc	43.0 -	41.7 -	45.7 -	24.7 -	126.7 -
5	EMPYROS	3.82 L		32.0 oz/a	EPOST	A						
5	ATRAZINE	4 L		32.0 oz/a	EPOST	A						
5	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A						
5	GROUNDED			0.83 % v/v	EPOST	A						
LSD P=.10							5.29	8.51	6.26	4.36	9.38	48.21
Standard Deviation							3.71	5.97	4.39	3.06	6.58	33.82
CV							7.40	12.06	8.99	6.24	25.85	25.85

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University of Georgia

COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3							
Trial ID:	CN-02A-24	Study Dir.:	ZACH TAYLOR				
Location:	PONDER FARM	Investigator:	Eric P. Prostko				
COMPLETE SPLIT-PLOT AOV For Zeama Stunting % May-15-24 9 DA-A (Data Column 1)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	29	1130.000000					
R	2	65.000000	32.500000	3.120	0.0718		
A	1	3.333333	3.333333	0.129	0.7538		5.4
ERROR A	2	51.666667	25.833333				
B	4	821.666667	205.416667	19.720	0.0001		3.3
AB	4	21.666667	5.416667	0.520	0.7224		4.6
ERROR B	16	166.666667	10.416667				
COMPLETE SPLIT-PLOT AOV For Zeama Bleaching % May-15-24 9 DA-A (Data Column 2)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	29	1396.666667					
R	2	1.666667	0.833333	0.042	0.9593		
A	1	53.333333	53.333333	1.730	0.3190		5.9
ERROR A	2	61.666667	30.833333				
B	4	921.666667	230.416667	11.521	0.0001		4.5
AB	4	38.333333	9.583333	0.479	0.7506		6.4
ERROR B	16	320.000000	20.000000				
COMPLETE SPLIT-PLOT AOV For Zeama Chlorosis % May-15-24 9 DA-A (Data Column 3)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	29	496.666667					
R	2	11.666667	5.833333	1.273	0.3069		
A	1	3.333333	3.333333	0.211	0.6914		4.2
ERROR A	2	31.666667	15.833333				
B	4	371.666667	92.916667	20.273	0.0001		2.2
AB	4	5.000000	1.250000	0.273	0.8912		3.1
ERROR B	16	73.333333	4.583333				
COMPLETE SPLIT-PLOT AOV For Amapa Control % May-15-24 9 DA-A (Data Column 4)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	29	47044.800000					
R	2	0.000000	0.000000	NaN	NaN		
A	1	0.000000	0.000000	NaN	NaN		.
ERROR A	2	0.000000	0.000000				
B	4	47044.800000	11761.200000	NaN	NaN		.
AB	4	0.000000	0.000000	NaN	NaN		.
ERROR B	16	0.000000	0.000000				

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COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3							
Trial ID:	CN-02A-24	Study Dir.:	ZACH TAYLOR				
Location:	PONDER FARM	Investigator:	Eric P. Prostko				
COMPLETE SPLIT-PLOT AOV For Rapra Control % May-15-24 9 DA-A (Data Column 5)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	29	39639.366667					
R	2	413.066667	206.533333	3.242	0.0657		
A	1	45.633333	45.633333	0.612	0.5159		9.2
ERROR A	2	149.066667	74.533333				
B	4	37746.866667	9436.716667	148.143	0.0001		8.0
AB	4	265.533333	66.383333	1.042	0.4163		11.4
ERROR B	16	1019.200000	63.700000				
COMPLETE SPLIT-PLOT AOV For Agrass Control % May-15-24 9 DA-A (Data Column 6)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	29	47044.800000					
R	2	0.000000	0.000000	NaN	NaN		
A	1	0.000000	0.000000	NaN	NaN		.
ERROR A	2	0.000000	0.000000				
B	4	47044.800000	11761.200000	NaN	NaN		.
AB	4	0.000000	0.000000	NaN	NaN		.
ERROR B	16	0.000000	0.000000				
COMPLETE SPLIT-PLOT AOV For Molve Control % May-15-24 9 DA-A (Data Column 7)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	29	47044.800000					
R	2	0.000000	0.000000	NaN	NaN		
A	1	0.000000	0.000000	NaN	NaN		.
ERROR A	2	0.000000	0.000000				
B	4	47044.800000	11761.200000	NaN	NaN		.
AB	4	0.000000	0.000000	NaN	NaN		.
ERROR B	16	0.000000	0.000000				
COMPLETE SPLIT-PLOT AOV For Zeama #/5ft May-21-24 15 DA-A (Data Column 8)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	29	30.300000					
R	2	0.600000	0.300000	0.300	0.7449		
A	1	7.500000	7.500000	10.714	0.0820		0.9
ERROR A	2	1.400000	0.700000				
B	4	4.133333	1.033333	1.033	0.4204		1.0
AB	4	0.666667	0.166667	0.167	0.9522		1.4
ERROR B	16	16.000000	1.000000				

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University of Georgia

COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3							
Trial ID:	CN-02A-24	Study Dir.:	ZACH TAYLOR				
Location:	PONDER FARM	Investigator:	Eric P. Prostko				
COMPLETE SPLIT-PLOT AOV For Zeama Hgt1 In May-21-24 15 DA-A (Data Column 9)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	29	227.366667					
R	2	57.266667	28.633333	10.873	0.0010		
A	1	0.300000	0.300000	0.070	0.8164		2.2
ERROR A	2	8.600000	4.300000				
B	4	101.533333	25.383333	9.639	0.0004		1.6
AB	4	17.533333	4.383333	1.665	0.2072		2.3
ERROR B	16	42.133333	2.633333				
COMPLETE SPLIT-PLOT AOV For Zeama Hgt2 In May-21-24 15 DA-A (Data Column 10)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	29	192.700000					
R	2	29.600000	14.800000	3.517	0.0542		
A	1	0.300000	0.300000	0.250	0.6667		1.2
ERROR A	2	2.400000	1.200000				
B	4	80.866667	20.216667	4.804	0.0097		2.1
AB	4	12.200000	3.050000	0.725	0.5878		2.9
ERROR B	16	67.333333	4.208333				
COMPLETE SPLIT-PLOT AOV For Zeama Hgt3 In May-21-24 15 DA-A (Data Column 11)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	29	96.966667					
R	2	18.066667	9.033333	5.588	0.0144		
A	1	0.300000	0.300000	0.429	0.5799		0.9
ERROR A	2	1.400000	0.700000				
B	4	49.800000	12.450000	7.701	0.0012		1.3
AB	4	1.533333	0.383333	0.237	0.9133		1.8
ERROR B	16	25.866667	1.616667				
COMPLETE SPLIT-PLOT AOV For Zeama Hgt4 In May-21-24 15 DA-A (Data Column 12)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	29	164.700000					
R	2	29.600000	14.800000	8.792	0.0027		
A	1	5.633333	5.633333	1.509	0.3442		2.1
ERROR A	2	7.466667	3.733333				
B	4	90.200000	22.550000	13.396	0.0001		1.3
AB	4	4.866667	1.216667	0.723	0.5890		1.8
ERROR B	16	26.933333	1.683333				

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COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3						
Trial ID:	CN-02A-24	Study Dir.:	ZACH TAYLOR			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
COMPLETE SPLIT-PLOT AOV For Zeama Hgt5 In May-21-24 15 DA-A (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	188.966667				
R	2	26.866667	13.433333	9.159	0.0022	
A	1	7.500000	7.500000	1.000	0.4226	2.9
ERROR A	2	15.000000	7.500000			
B	4	110.800000	27.700000	18.886	0.0001	1.2
AB	4	5.333333	1.333333	0.909	0.4822	1.7
ERROR B	16	23.466667	1.466667			
COMPLETE SPLIT-PLOT AOV For ZEAMA HGT-AVG IN May-21-24 15 DA-A (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	149.958667				
R	2	29.858667	14.929333	9.346	0.0020	
A	1	0.481333	0.481333	0.181	0.7122	1.7
ERROR A	2	5.330667	2.665333			
B	4	83.085333	20.771333	13.004	0.0001	1.3
AB	4	5.645333	1.411333	0.884	0.4958	1.8
ERROR B	16	25.557333	1.597333			
COMPLETE SPLIT-PLOT AOV For Zeama Stunt % May-27-24 21 DA-A (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	2120.000000				
R	2	80.000000	40.000000	1.085	0.3616	
A	1	30.000000	30.000000	0.750	0.4778	6.7
ERROR A	2	80.000000	40.000000			
B	4	1211.666667	302.916667	8.215	0.0008	6.1
AB	4	128.333333	32.083333	0.870	0.5031	8.7
ERROR B	16	590.000000	36.875000			
COMPLETE SPLIT-PLOT AOV For Amapa Control % May-27-24 21 DA-A (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	47044.800000				
R	2	0.000000	0.000000	NaN	NaN	
A	1	0.000000	0.000000	NaN	NaN	.
ERROR A	2	0.000000	0.000000			
B	4	47044.800000	11761.200000	NaN	NaN	.
AB	4	0.000000	0.000000	NaN	NaN	.
ERROR B	16	0.000000	0.000000			

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COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3						
Trial ID:	CN-02A-24	Study Dir.:	ZACH TAYLOR			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
COMPLETE SPLIT-PLOT AOV For Rapra Control % May-27-24 21 DA-A (Data Column 17)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	34174.166667				
R	2	631.666667	315.833333	5.922	0.0119	
A	1	67.500000	67.500000	2.077	0.2863	6.1
ERROR A	2	65.000000	32.500000			
B	4	31895.000000	7973.750000	149.508	0.0001	7.4
AB	4	661.666667	165.416667	3.102	0.0455	10.4
ERROR B	16	853.333333	53.333333			
COMPLETE SPLIT-PLOT AOV For Agrass Control % May-27-24 21 DA-A (Data Column 18)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	46178.966667				
R	2	11.266667	5.633333	1.444	0.2650	
A	1	1.633333	1.633333	1.960	0.2965	1.0
ERROR A	2	1.666667	0.833333			
B	4	46092.800000	11523.200000	2954.667	0.0001	2.0
AB	4	9.200000	2.300000	0.590	0.6749	2.8
ERROR B	16	62.400000	3.900000			
COMPLETE SPLIT-PLOT AOV For Zeama Stunt % Jun-10-24 35 DA-A (Data Column 19)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	1384.166667				
R	2	291.666667	145.833333	7.143	0.0061	
A	1	7.500000	7.500000	1.000	0.4226	2.9
ERROR A	2	15.000000	7.500000			
B	4	713.333333	178.333333	8.735	0.0006	4.6
AB	4	30.000000	7.500000	0.367	0.8283	6.4
ERROR B	16	326.666667	20.416667			
COMPLETE SPLIT-PLOT AOV For Amapa Control % Jun-10-24 35 DA-A (Data Column 20)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	46474.966667				
R	2	8.866667	4.433333	1.090	0.3599	
A	1	2.700000	2.700000	3.857	0.1885	0.9
ERROR A	2	1.400000	0.700000			
B	4	46392.800000	11598.200000	2852.016	0.0001	2.0
AB	4	4.133333	1.033333	0.254	0.9029	2.9
ERROR B	16	65.066667	4.066667			

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University of Georgia

COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3						
Trial ID:	CN-02A-24	Study Dir.:	ZACH TAYLOR			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
COMPLETE SPLIT-PLOT AOV For Rapra Control % Jun-10-24 35 DA-A (Data Column 21)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	34024.166667				
R	2	711.666667	355.833333	6.915	0.0069	
A	1	100.833333	100.833333	2.469	0.2567	6.8
ERROR A	2	81.666667	40.833333			
B	4	31886.666667	7971.666667	154.915	0.0001	7.2
AB	4	420.000000	105.000000	2.040	0.1369	10.2
ERROR B	16	823.333333	51.458333			
COMPLETE SPLIT-PLOT AOV For Agrass Control % Jun-10-24 35 DA-A (Data Column 22)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	43378.700000				
R	2	12.200000	6.100000	0.906	0.4239	
A	1	2.700000	2.700000	0.474	0.5624	2.5
ERROR A	2	11.400000	5.700000			
B	4	43226.533333	10806.633333	1604.946	0.0001	2.6
AB	4	18.133333	4.533333	0.673	0.6201	3.7
ERROR B	16	107.733333	6.733333			
COMPLETE SPLIT-PLOT AOV For Zeama Hgt1 In Jun-10-24 35 DA-A (Data Column 23)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	841.366667				
R	2	97.066667	48.533333	1.768	0.2025	
A	1	0.300000	0.300000	0.006	0.9435	7.3
ERROR A	2	93.600000	46.800000			
B	4	93.533333	23.383333	0.852	0.5133	5.3
AB	4	117.533333	29.383333	1.070	0.4035	7.5
ERROR B	16	439.333333	27.458333			
COMPLETE SPLIT-PLOT AOV For Zeama Hgt2 In Jun-10-24 35 DA-A (Data Column 24)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	1027.466667				
R	2	99.466667	49.733333	1.375	0.2811	
A	1	0.133333	0.133333	0.003	0.9597	6.8
ERROR A	2	81.866667	40.933333			
B	4	124.466667	31.116667	0.860	0.5084	6.1
AB	4	142.866667	35.716667	0.988	0.4423	8.6
ERROR B	16	578.666667	36.166667			

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University of Georgia

COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3						
Trial ID:	CN-02A-24	Study Dir.:	ZACH TAYLOR			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
COMPLETE SPLIT-PLOT AOV For Zeama Hgt3 In Jun-10-24 35 DA-A (Data Column 25)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	626.700000				
R	2	56.600000	28.300000	2.057	0.1603	
A	1	28.033333	28.033333	1.504	0.3448	4.6
ERROR A	2	37.266667	18.633333			
B	4	139.200000	34.800000	2.529	0.0813	3.7
AB	4	145.466667	36.366667	2.643	0.0723	5.3
ERROR B	16	220.133333	13.758333			
COMPLETE SPLIT-PLOT AOV For Zeama Hgt4 In Jun-10-24 35 DA-A (Data Column 26)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	1639.466667				
R	2	64.866667	32.433333	0.911	0.4221	
A	1	333.333333	333.333333	5.157	0.1511	8.6
ERROR A	2	129.266667	64.633333			
B	4	325.133333	81.283333	2.282	0.1055	6.0
AB	4	217.000000	54.250000	1.523	0.2426	8.5
ERROR B	16	569.866667	35.616667			
COMPLETE SPLIT-PLOT AOV For Zeama Hgt5 In Jun-10-24 35 DA-A (Data Column 27)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	1204.700000				
R	2	117.600000	58.800000	3.045	0.0757	
A	1	240.833333	240.833333	3.266	0.2125	9.2
ERROR A	2	147.466667	73.733333			
B	4	257.533333	64.383333	3.334	0.0363	4.4
AB	4	132.333333	33.083333	1.713	0.1962	6.3
ERROR B	16	308.933333	19.308333			
COMPLETE SPLIT-PLOT AOV For ZEAMA HEIGHT INCHES Jun-10-24 35 DA-A (Data Column 28)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	578.486667				
R	2	74.498667	37.249333	3.991	0.0393	
A	1	58.241333	58.241333	1.331	0.3678	7.1
ERROR A	2	87.490667	43.745333			
B	4	150.093333	37.523333	4.020	0.0192	3.1
AB	4	58.818667	14.704667	1.575	0.2289	4.4
ERROR B	16	149.344000	9.334000			

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University of Georgia

COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3						
Trial ID:	CN-02A-24	Study Dir.:	ZACH TAYLOR			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
COMPLETE SPLIT-PLOT AOV For ZEAMA YIELD LBS/PLOT Aug-30-24 116 DA-A (Data Column 29)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	1299.466667				
R	2	141.266667	70.633333	1.630	0.2269	
A	1	4.800000	4.800000	1.116	0.4015	2.2
ERROR A	2	8.600000	4.300000			
B	4	334.466667	83.616667	1.929	0.1546	6.6
AB	4	116.866667	29.216667	0.674	0.6196	9.4
ERROR B	16	693.466667	43.341667			
COMPLETE SPLIT-PLOT AOV For ZEAMA YIELD BU/A Aug-30-24 116 DA-A (Data Column 30)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	29	34286.236184				
R	2	3727.300147	1863.650074	1.630	0.2269	
A	1	126.647291	126.647291	1.116	0.4015	11.4
ERROR A	2	226.909731	113.454865			
B	4	8824.853629	2206.213407	1.929	0.1546	34.1
AB	4	3083.509749	770.877437	0.674	0.6196	48.2
ERROR B	16	18297.015636	1143.563477			
Rating Unit						
% = PERCENT						
In = INCH						
ARM Action Codes						
T1 = ([C9]+[C10]+[C11]+[C12]+[C13])/5						
T2 = ([23]+[24]+[25]+[26]+[27])/5						
TY3 = 5.13661877*[29]						

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.

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COUNTER WITH SHIELDDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3														
Trial ID:		CN-02A-24		Study Dir.:		ZACH TAYLOR								
Location:		PONDER FARM		Investigator:		Eric P. Prostko								
Weed Code							Zeama Stunting % May-15-24 9 DA-A	Zeama Bleaching % May-15-24 9 DA-A	Zeama Chlorosis % May-15-24 9 DA-A	Amapa Control % May-15-24 9 DA-A	Rapra Control % May-15-24 9 DA-A	Agrass Control % May-15-24 9 DA-A	Molve Control % May-15-24 9 DA-A	
Crop Code														
Rating Data Type														
Rating Unit														
Rating Date														
Trt-Eval Interval														
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	1	2	3	4	5	6	7	
1	NO COUNTER NTC					A 101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						A 205	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						304	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	NO COUNTER SHIELDX ATRAZINE ROUNDUP POWERMAX3 GROUNDED					A 102	5.0	5.0	5.0	99.0	65.0	99.0	99.0	
		3.33 SC	1.0 oz/a	EPOST A	203	5.0	10.0	5.0	99.0	90.0	99.0	99.0		
		4 L	32.0 oz/a	EPOST A	305	5.0	10.0	5.0	99.0	99.0	99.0	99.0		
		5.88 SL	22.0 oz/a	EPOST A										
			0.83 % v/v	EPOST A										
						Mean =	5.0	8.3	5.0	99.0	84.7	99.0	99.0	
3	NO COUNTER SHIELDX ATRAZINE ROUNDUP POWERMAX3 GROUNDED					A 103	5.0	5.0	5.0	99.0	75.0	99.0	99.0	
		3.33 SC	1.35 oz/a	EPOST A	204	5.0	15.0	5.0	99.0	70.0	99.0	99.0		
		4 L	32.0 oz/a	EPOST A	301	10.0	10.0	10.0	99.0	95.0	99.0	99.0		
		5.88 SL	22.0 oz/a	EPOST A										
			0.83 % v/v	EPOST A										
						Mean =	6.7	10.0	6.7	99.0	80.0	99.0	99.0	
4	NO COUNTER EMPYROS ATRAZINE ROUNDUP POWERMAX3 GROUNDED					A 104	20.0	15.0	10.0	99.0	75.0	99.0	99.0	
		3.82 L	45.0 oz/a	EPOST A	202	10.0	15.0	10.0	99.0	90.0	99.0	99.0		
		4 L	32.0 oz/a	EPOST A	302	20.0	20.0	10.0	99.0	95.0	99.0	99.0		
		5.88 SL	22.0 oz/a	EPOST A										
			0.83 % v/v	EPOST A										
						Mean =	16.7	16.7	10.0	99.0	86.7	99.0	99.0	
5	NO COUNTER EMPYROS ATRAZINE ROUNDUP POWERMAX3 GROUNDED					A 105	10.0	10.0	5.0	99.0	99.0	99.0	99.0	
		3.82 L	32.0 oz/a	EPOST A	201	5.0	5.0	5.0	99.0	95.0	99.0	99.0		
		4 L	32.0 oz/a	EPOST A	303	15.0	15.0	15.0	99.0	95.0	99.0	99.0		
		5.88 SL	22.0 oz/a	EPOST A										
			0.83 % v/v	EPOST A										
						Mean =	10.0	10.0	8.3	99.0	96.3	99.0	99.0	
6	COUNTER NTC	20 GR	6.0 oz wt/1000 row-ft	INFR	A 106	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
					A 210	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
					309	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
					Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

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COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3													
Trial ID:		CN-02A-24		Study Dir.:		ZACH TAYLOR							
Location:		PONDER FARM		Investigator:		Eric P. Prostko							
Weed Code							Zeama	Zeama	Zeama	Amapa	Rapra	Agrass	Molve
Crop Code							Stunting	Bleaching	Chlorosis	Control	Control	Control	Control
Rating Data Type							%	%	%	%	%	%	%
Rating Unit							May-15-24	May-15-24	May-15-24	May-15-24	May-15-24	May-15-24	May-15-24
Rating Date							9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A	9 DA-A
Trt-Eval Interval													
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	1	2	3	4	5	6	7
7	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A 107	15.0	20.0	10.0	99.0	85.0	99.0	99.0
	SHIELDEX	3.33 SC		1.0 oz/a	EPOST	A 209	5.0	10.0	5.0	99.0	90.0	99.0	99.0
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 310	5.0	10.0	5.0	99.0	95.0	99.0	99.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A							
	GROUNDED			0.83 % v/v	EPOST	A							
	Mean =						8.3	13.3	6.7	99.0	90.0	99.0	99.0
8	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A 108	10.0	20.0	10.0	99.0	85.0	99.0	99.0
	SHIELDEX	3.33 SC		1.35 oz/a	EPOST	A 207	5.0	10.0	5.0	99.0	95.0	99.0	99.0
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 306	5.0	15.0	5.0	99.0	95.0	99.0	99.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A							
	GROUNDED			0.83 % v/v	EPOST	A							
	Mean =						6.7	15.0	6.7	99.0	91.7	99.0	99.0
9	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A 109	20.0	15.0	10.0	99.0	80.0	99.0	99.0
	EMPYROS	3.82 L		45.0 oz/a	EPOST	A 208	15.0	25.0	10.0	99.0	90.0	99.0	99.0
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 307	10.0	10.0	10.0	99.0	95.0	99.0	99.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A							
	GROUNDED			0.83 % v/v	EPOST	A							
	Mean =						15.0	16.7	10.0	99.0	88.3	99.0	99.0
10	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A 110	10.0	10.0	10.0	99.0	95.0	99.0	99.0
	EMPYROS	3.82 L		32.0 oz/a	EPOST	A 206	10.0	15.0	10.0	99.0	95.0	99.0	99.0
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 308	15.0	15.0	10.0	99.0	80.0	99.0	99.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A							
	GROUNDED			0.83 % v/v	EPOST	A							
	Mean =						11.7	13.3	10.0	99.0	90.0	99.0	99.0

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COUNTER WITH SHIELDDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3													
Trial ID:		CN-02A-24		Study Dir.:		ZACH TAYLOR							
Location:		PONDER FARM		Investigator:		Eric P. Prostko							
Weed Code							Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	ZEAMA
Crop Code							#/5ft	Hgt1	Hgt2	Hgt3	Hgt4	Hgt5	HGT-AVG
Rating Data Type							In	In	In	In	In	In	IN
Rating Unit							May-21-24	May-21-24	May-21-24	May-21-24	May-21-24	May-21-24	May-21-24
Rating Date							15 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A
Trt-Eval Interval													
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	8	9	10	11	12	13	14
1	NO COUNTER NTC					A 101	12.0	28.0	27.0	26.0	27.0	27.0	27.0
						A 205	9.0	23.0	24.0	23.0	25.0	26.0	24.2
						304	11.0	21.0	20.0	22.0	23.0	24.0	22.0
						Mean =	10.7	24.0	23.7	23.7	25.0	25.7	24.4
2	NO COUNTER SHIELDDEX ATRAZINE ROUNDUP POWERMAX3 GROUNDED	3.33	SC	1.0 oz/a	EPOST	A 102	11.0	26.0	23.0	24.0	25.0	25.0	24.6
		4 L	32.0 oz/a	EPOST	A 203	10.0	23.0	23.0	21.0	23.0	21.0	22.2	
		5.88	SL	22.0 oz/a	EPOST	A 305	12.0	21.0	24.0	22.0	23.0	22.0	22.4
			0.83 % v/v	EPOST	A								
						Mean =	11.0	23.3	23.3	22.3	23.7	22.7	23.1
3	NO COUNTER SHIELDDEX ATRAZINE ROUNDUP POWERMAX3 GROUNDED	3.33	SC	1.35 oz/a	EPOST	A 103	11.0	24.0	23.0	23.0	25.0	25.0	24.0
		4 L	32.0 oz/a	EPOST	A 204	12.0	22.0	21.0	23.0	22.0	21.0	21.8	
		5.88	SL	22.0 oz/a	EPOST	A 301	11.0	20.0	21.0	21.0	22.0	22.0	21.2
			0.83 % v/v	EPOST	A								
						Mean =	11.3	22.0	21.7	22.3	23.0	22.7	22.3
4	NO COUNTER EMPYROS ATRAZINE ROUNDUP POWERMAX3 GROUNDED	3.82	L	45.0 oz/a	EPOST	A 104	11.0	20.0	20.0	21.0	21.0	22.0	20.8
		4 L	32.0 oz/a	EPOST	A 202	11.0	21.0	20.0	22.0	20.0	20.0	20.6	
		5.88	SL	22.0 oz/a	EPOST	A 302	11.0	20.0	21.0	19.0	20.0	18.0	19.6
			0.83 % v/v	EPOST	A								
						Mean =	11.0	20.3	20.3	20.7	20.3	20.0	20.3
5	NO COUNTER EMPYROS ATRAZINE ROUNDUP POWERMAX3 GROUNDED	3.82	L	32.0 oz/a	EPOST	A 105	10.0	20.0	21.0	21.0	21.0	22.0	21.0
		4 L	32.0 oz/a	EPOST	A 201	11.0	20.0	24.0	21.0	22.0	21.0	21.6	
		5.88	SL	22.0 oz/a	EPOST	A 303	9.0	13.0	15.0	19.0	16.0	16.0	15.8
			0.83 % v/v	EPOST	A								
						Mean =	10.0	17.7	20.0	20.3	19.7	19.7	19.5
6	COUNTER NTC	20	GR	6.0 oz wt/1000 row-ft	INFR	A 106	12.0	24.0	24.0	25.0	23.0	24.0	24.0
						A 210	11.0	25.0	26.0	23.0	25.0	25.0	24.8
						309	12.0	24.0	24.0	25.0	23.0	23.0	23.8
						Mean =	11.7	24.3	24.7	24.3	23.7	24.0	24.2

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COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3													
Trial ID:		CN-02A-24		Study Dir.:		ZACH TAYLOR							
Location:		PONDER FARM		Investigator:		Eric P. Prostko							
Weed Code							Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	ZEAMA
Crop Code							#/5ft	Hgt1	Hgt2	Hgt3	Hgt4	Hgt5	HGT-AVG
Rating Data Type							In	In	In	In	In	In	IN
Rating Unit							May-21-24	May-21-24	May-21-24	May-21-24	May-21-24	May-21-24	May-21-24
Rating Date							15 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A
Trt-Eval Interval													
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	8	9	10	11	12	13	14
7	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A 107	12.0	23.0	21.0	22.0	22.0	21.0	21.8
	SHIELDEX	3.33 SC		1.0 oz/a	EPOST	A 209	13.0	21.0	23.0	21.0	22.0	21.0	21.6
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 310	12.0	22.0	23.0	23.0	22.0	22.0	22.4
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A							
	GROUNDED			0.83 % v/v	EPOST	A							
Mean =							12.3	22.0	22.3	22.0	22.0	21.3	21.9
8	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A 108	11.0	23.0	23.0	23.0	22.0	21.0	22.4
	SHIELDEX	3.33 SC		1.35 oz/a	EPOST	A 207	13.0	22.0	24.0	23.0	23.0	22.0	22.8
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 306	12.0	21.0	22.0	22.0	21.0	21.0	21.4
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A							
	GROUNDED			0.83 % v/v	EPOST	A							
Mean =							12.0	22.0	23.0	22.7	22.0	21.3	22.2
9	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A 109	13.0	20.0	20.0	21.0	20.0	18.0	19.8
	EMPYROS	3.82 L		45.0 oz/a	EPOST	A 208	12.0	20.0	19.0	21.0	20.0	20.0	20.0
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 307	10.0	18.0	17.0	19.0	18.0	18.0	18.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A							
	GROUNDED			0.83 % v/v	EPOST	A							
Mean =							11.7	19.3	18.7	20.3	19.3	18.7	19.3
10	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A 110	11.0	22.0	23.0	23.0	21.0	22.0	22.2
	EMPYROS	3.82 L		32.0 oz/a	EPOST	A 206	12.0	23.0	23.0	22.0	23.0	21.0	22.4
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 308	11.0	17.0	18.0	18.0	17.0	18.0	17.6
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A							
	GROUNDED			0.83 % v/v	EPOST	A							
Mean =							11.3	20.7	21.3	21.0	20.3	20.3	20.7

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COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3													
Trial ID:		CN-02A-24		Study Dir.:		ZACH TAYLOR							
Location:		PONDER FARM		Investigator:		Eric P. Prostko							
Weed Code							Zeama Stunt % May-27-24 21 DA-A	Amapa Control % May-27-24 21 DA-A	Rapra Control % May-27-24 21 DA-A	Agrass Control % May-27-24 21 DA-A	Zeama Stunt % Jun-10-24 35 DA-A	Amapa Control % Jun-10-24 35 DA-A	Rapra Control % Jun-10-24 35 DA-A
Crop Code													
Rating Data Type													
Rating Unit													
Rating Date													
Trt-Eval Interval													
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	15	16	17	18	19	20	21
1	NO COUNTER					A 101	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NTC					A 205	0.0	0.0	0.0	0.0	0.0	0.0	0.0
						304	0.0	0.0	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	NO COUNTER					A 102	5.0	99.0	80.0	99.0	0.0	95.0	85.0
	SHIELDEX	3.33 SC		1.0 oz/a	EPOST	A 203	10.0	99.0	85.0	95.0	0.0	99.0	85.0
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 305	5.0	99.0	80.0	95.0	5.0	99.0	85.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A							
	GROUNDED			0.83 % v/v	EPOST	A							
						Mean =	6.7	99.0	81.7	96.3	1.7	97.7	85.0
3	NO COUNTER					A 103	5.0	99.0	75.0	99.0	0.0	99.0	85.0
	SHIELDEX	3.33 SC		1.35 oz/a	EPOST	A 204	10.0	99.0	65.0	99.0	0.0	99.0	65.0
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 301	15.0	99.0	85.0	99.0	15.0	90.0	85.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A							
	GROUNDED			0.83 % v/v	EPOST	A							
						Mean =	10.0	99.0	75.0	99.0	5.0	96.0	78.3
4	NO COUNTER					A 104	25.0	99.0	90.0	99.0	20.0	99.0	95.0
	EMPYROS	3.82 L		45.0 oz/a	EPOST	A 202	15.0	99.0	75.0	99.0	0.0	99.0	85.0
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 302	5.0	99.0	95.0	99.0	15.0	99.0	95.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A							
	GROUNDED			0.83 % v/v	EPOST	A							
						Mean =	15.0	99.0	86.7	99.0	11.7	99.0	91.7
5	NO COUNTER					A 105	15.0	99.0	90.0	95.0	10.0	99.0	90.0
	EMPYROS	3.82 L		32.0 oz/a	EPOST	A 201	15.0	99.0	80.0	99.0	5.0	99.0	65.0
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 303	25.0	99.0	95.0	95.0	15.0	99.0	85.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A							
	GROUNDED			0.83 % v/v	EPOST	A							
						Mean =	18.3	99.0	88.3	96.3	10.0	99.0	80.0
6	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A 106	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NTC					A 210	0.0	0.0	0.0	0.0	0.0	0.0	0.0
						309	0.0	0.0	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3													
Trial ID:		CN-02A-24		Study Dir.:		ZACH TAYLOR							
Location:		PONDER FARM		Investigator:		Eric P. Prostko							
Weed Code							Zeama	Amapa	Rapra	Agrass	Zeama	Amapa	Rapra
Crop Code							Stunt	Control	Control	Control	Stunt	Control	Control
Rating Data Type							%	%	%	%	%	%	%
Rating Unit							May-27-24	May-27-24	May-27-24	May-27-24	Jun-10-24	Jun-10-24	Jun-10-24
Rating Date							21 DA-A	21 DA-A	21 DA-A	21 DA-A	35 DA-A	35 DA-A	35 DA-A
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code Plot	15	16	17	18	19	20	21
7	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A 107	10.0	99.0	65.0	99.0	0.0	99.0	75.0
	SHIELDEX	3.33 SC		1.0 oz/a	EPOST	A 209	15.0	99.0	60.0	99.0	0.0	99.0	65.0
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 310	10.0	99.0	95.0	90.0	5.0	99.0	95.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A							
	GROUNDED			0.83 % v/v	EPOST	A							
	Mean =						11.7	99.0	73.3	96.0	1.7	99.0	78.3
8	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A 108	20.0	99.0	85.0	99.0	10.0	99.0	80.0
	SHIELDEX	3.33 SC		1.35 oz/a	EPOST	A 207	10.0	99.0	80.0	99.0	0.0	99.0	75.0
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 306	10.0	99.0	95.0	99.0	15.0	95.0	95.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A							
	GROUNDED			0.83 % v/v	EPOST	A							
	Mean =						13.3	99.0	86.7	99.0	8.3	97.7	83.3
9	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A 109	35.0	99.0	65.0	99.0	20.0	99.0	75.0
	EMPYROS	3.82 L		45.0 oz/a	EPOST	A 208	20.0	99.0	65.0	99.0	10.0	99.0	65.0
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 307	10.0	99.0	80.0	99.0	15.0	99.0	85.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A							
	GROUNDED			0.83 % v/v	EPOST	A							
	Mean =						21.7	99.0	70.0	99.0	15.0	99.0	75.0
10	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A 110	15.0	99.0	85.0	99.0	10.0	99.0	85.0
	EMPYROS	3.82 L		32.0 oz/a	EPOST	A 206	15.0	99.0	90.0	99.0	5.0	99.0	80.0
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 308	10.0	99.0	85.0	99.0	10.0	99.0	75.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A							
	GROUNDED			0.83 % v/v	EPOST	A							
	Mean =						13.3	99.0	86.7	99.0	8.3	99.0	80.0

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COUNTER WITH SHIELDDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3														
Trial ID:		CN-02A-24		Study Dir.:		ZACH TAYLOR								
Location:		PONDER FARM		Investigator:		Eric P. Prostko								
Weed Code							Agrass							
Crop Code							Control	Zeama	Zeama	Zeama	Zeama	Zeama	ZEAMA	ZEAMA
Rating Data Type							%	Hgt1	Hgt2	Hgt3	Hgt4	Hgt5	HEIGHT	YIELD
Rating Unit							In	In	In	In	In	In	INCHES	LBS/PLOT
Rating Date							Jun-10-24	Jun-10-24	Jun-10-24	Jun-10-24	Jun-10-24	Jun-10-24	Jun-10-24	Aug-30-24
Trt-Eval Interval							35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	116 DA-A
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	22	23	24	25	26	27	28	29
1	NO COUNTER					A 101	0.0	44.0	45.0	59.0	62.0	59.0	53.8	19.0
	NTC					A 205	0.0	55.0	45.0	55.0	55.0	55.0	53.0	23.0
						304	0.0	39.0	44.0	59.0	55.0	57.0	50.8	29.0
						Mean =	0.0	46.0	44.7	57.7	57.3	57.0	52.5	23.7
2	NO COUNTER					A 102	95.0	51.0	64.0	56.0	65.0	59.0	59.0	26.0
	SHIELDDEX	3.33	SC	1.0 oz/a	EPOST	A 203	95.0	51.0	55.0	47.0	55.0	59.0	53.4	35.0
	ATRAZINE	4	L	32.0 oz/a	EPOST	A 305	95.0	48.0	45.0	48.0	48.0	49.0	47.6	30.0
	ROUNDUP POWERMAX3	5.88	SL	22.0 oz/a	EPOST	A								
	GROUNDED			0.83 % v/v	EPOST	A								
						Mean =	95.0	50.0	54.7	50.3	56.0	55.7	53.3	30.3
3	NO COUNTER					A 103	95.0	59.0	57.0	55.0	47.0	48.0	53.2	17.0
	SHIELDDEX	3.33	SC	1.35 oz/a	EPOST	A 204	95.0	45.0	51.0	52.0	55.0	52.0	51.0	36.0
	ATRAZINE	4	L	32.0 oz/a	EPOST	A 301	95.0	36.0	38.0	44.0	44.0	46.0	41.6	19.0
	ROUNDUP POWERMAX3	5.88	SL	22.0 oz/a	EPOST	A								
	GROUNDED			0.83 % v/v	EPOST	A								
						Mean =	95.0	46.7	48.7	50.3	48.7	48.7	48.6	24.0
4	NO COUNTER					A 104	99.0	40.0	36.0	49.0	53.0	50.0	45.6	29.0
	EMPYROS	3.82	L	45.0 oz/a	EPOST	A 202	99.0	52.0	58.0	52.0	54.0	55.0	54.2	24.0
	ATRAZINE	4	L	32.0 oz/a	EPOST	A 302	95.0	49.0	49.0	47.0	46.0	40.0	46.2	26.0
	ROUNDUP POWERMAX3	5.88	SL	22.0 oz/a	EPOST	A								
	GROUNDED			0.83 % v/v	EPOST	A								
						Mean =	97.7	47.0	47.7	49.3	51.0	48.3	48.7	26.3
5	NO COUNTER					A 105	90.0	50.0	53.0	49.0	49.0	52.0	50.6	24.0
	EMPYROS	3.82	L	32.0 oz/a	EPOST	A 201	95.0	49.0	51.0	51.0	58.0	54.0	52.6	16.0
	ATRAZINE	4	L	32.0 oz/a	EPOST	A 303	95.0	39.0	45.0	43.0	46.0	41.0	42.8	35.0
	ROUNDUP POWERMAX3	5.88	SL	22.0 oz/a	EPOST	A								
	GROUNDED			0.83 % v/v	EPOST	A								
						Mean =	93.3	46.0	49.7	47.7	51.0	49.0	48.7	25.0
6	COUNTER	20	GR	6.0 oz wt/1000 row-ft	INFR	A 106	0.0	53.0	57.0	52.0	49.0	47.0	51.6	13.0
	NTC					A 210	0.0	45.0	48.0	43.0	54.0	42.0	46.4	17.0
						309	0.0	53.0	52.0	50.0	46.0	47.0	49.6	30.0
						Mean =	0.0	50.3	52.3	48.3	49.7	45.3	49.2	20.0

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COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3														
Trial ID:		CN-02A-24		Study Dir.:		ZACH TAYLOR								
Location:		PONDER FARM		Investigator:		Eric P. Prostko								
Weed Code							Agrass	Zeama	Zeama	Zeama	Zeama	Zeama	ZEAMA	ZEAMA
Crop Code							Control	Hgt1	Hgt2	Hgt3	Hgt4	Hgt5	HEIGHT	YIELD
Rating Data Type							%	In	In	In	In	In	INCHES	LBS/PLOT
Rating Unit							Jun-10-24	Jun-10-24	Jun-10-24	Jun-10-24	Jun-10-24	Jun-10-24	Jun-10-24	Aug-30-24
Rating Date							35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	116 DA-A
Trt-Eval Interval														
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	22	23	24	25	26	27	28	29
7	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A 107	99.0	49.0	46.0	57.0	52.0	54.0	51.6	24.0
	SHIELDEX	3.33 SC		1.0 oz/a	EPOST	A 209	95.0	50.0	55.0	48.0	42.0	46.0	48.2	33.0
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 310	85.0	44.0	51.0	49.0	50.0	50.0	48.8	26.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
	GROUNDED			0.83 % v/v	EPOST	A								
Mean =							93.0	47.7	50.7	51.3	48.0	50.0	49.5	27.7
8	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A 108	95.0	48.0	49.0	52.0	58.0	57.0	52.8	20.0
	SHIELDEX	3.33 SC		1.35 oz/a	EPOST	A 207	95.0	51.0	54.0	55.0	53.0	52.0	53.0	21.0
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 306	95.0	49.0	50.0	50.0	45.0	41.0	47.0	19.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
	GROUNDED			0.83 % v/v	EPOST	A								
Mean =							95.0	49.3	51.0	52.3	52.0	50.0	50.9	20.0
9	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A 109	95.0	40.0	47.0	46.0	27.0	40.0	40.0	34.0
	EMPYROS	3.82 L		45.0 oz/a	EPOST	A 208	95.0	41.0	43.0	43.0	40.0	41.0	41.6	33.0
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 307	95.0	41.0	47.0	45.0	47.0	49.0	45.8	32.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
	GROUNDED			0.83 % v/v	EPOST	A								
Mean =							95.0	40.7	45.7	44.7	38.0	43.3	42.5	33.0
10	COUNTER	20 GR		6.0 oz wt/1000 row-ft	INFR	A 110	95.0	49.0	46.0	45.0	41.0	45.0	45.2	21.0
	EMPYROS	3.82 L		32.0 oz/a	EPOST	A 206	95.0	48.0	48.0	49.0	41.0	37.0	44.6	19.0
	ATRAZINE	4 L		32.0 oz/a	EPOST	A 308	95.0	49.0	45.0	53.0	47.0	43.0	47.4	34.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	EPOST	A								
	GROUNDED			0.83 % v/v	EPOST	A								
Mean =							95.0	48.7	46.3	49.0	43.0	41.7	45.7	24.7

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COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3						
Trial ID:	CN-02A-24	Study Dir.:	ZACH TAYLOR			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
Weed Code						ZEAMA
Crop Code						YIELD
Rating Data Type						BU/A
Rating Unit						Aug-30-24
Rating Date						116 DA-A
Trt-Eval Interval						
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code Plot
1	NO COUNTER NTC					A 101 A 205 304 Mean =
2	NO COUNTER SHIELDEX ATRAZINE ROUNDUP POWERMAX3 GROUNDED	3.33 4 L 5.88 SL	SC L SL	1.0 oz/a 32.0 oz/a 22.0 oz/a 0.83 % v/v	EPOST EPOST EPOST EPOST	A 102 A 203 A 305 A Mean =
3	NO COUNTER SHIELDEX ATRAZINE ROUNDUP POWERMAX3 GROUNDED	3.33 4 L 5.88 SL	SC L SL	1.35 oz/a 32.0 oz/a 22.0 oz/a 0.83 % v/v	EPOST EPOST EPOST EPOST	A 103 A 204 A 301 A Mean =
4	NO COUNTER EMPYROS ATRAZINE ROUNDUP POWERMAX3 GROUNDED	3.82 4 L 5.88 SL	L L SL	45.0 oz/a 32.0 oz/a 22.0 oz/a 0.83 % v/v	EPOST EPOST EPOST EPOST	A 104 A 202 A 302 A Mean =
5	NO COUNTER EMPYROS ATRAZINE ROUNDUP POWERMAX3 GROUNDED	3.82 4 L 5.88 SL	L L SL	32.0 oz/a 32.0 oz/a 22.0 oz/a 0.83 % v/v	EPOST EPOST EPOST EPOST	A 105 A 201 A 303 A Mean =
6	COUNTER NTC	20 GR		6.0 oz wt/1000 row-ft	INFR	A 106 A 210 309 Mean =

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COUNTER WITH SHIELDDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3							
Trial ID:		CN-02A-24		Study Dir.:		ZACH TAYLOR	
Location:		PONDER FARM		Investigator:		Eric P. Prostko	
Weed Code							ZEAMA YIELD BU/A Aug-30-24 116 DA-A
Crop Code							
Rating Data Type							
Rating Unit							
Rating Date							
Trt-Eval Interval							
Trt	Treatment	Form	Form	Rate	Grow	Appl	
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	30
7	COUNTER	20	GR	6.0 oz wt/1000 row-ft	INFR	A 107	123.3
	SHIELDDEX	3.33	SC	1.0 oz/a	EPOST	A 209	169.5
	ATRAZINE	4	L	32.0 oz/a	EPOST	A 310	133.6
	ROUNDUP POWERMAX3	5.88	SL	22.0 oz/a	EPOST	A	
	GROUNDED			0.83 % v/v	EPOST	A	
	Mean =						142.1
8	COUNTER	20	GR	6.0 oz wt/1000 row-ft	INFR	A 108	102.7
	SHIELDDEX	3.33	SC	1.35 oz/a	EPOST	A 207	107.9
	ATRAZINE	4	L	32.0 oz/a	EPOST	A 306	97.6
	ROUNDUP POWERMAX3	5.88	SL	22.0 oz/a	EPOST	A	
	GROUNDED			0.83 % v/v	EPOST	A	
	Mean =						102.7
9	COUNTER	20	GR	6.0 oz wt/1000 row-ft	INFR	A 109	174.6
	EMPYROS	3.82	L	45.0 oz/a	EPOST	A 208	169.5
	ATRAZINE	4	L	32.0 oz/a	EPOST	A 307	164.4
	ROUNDUP POWERMAX3	5.88	SL	22.0 oz/a	EPOST	A	
	GROUNDED			0.83 % v/v	EPOST	A	
	Mean =						169.5
10	COUNTER	20	GR	6.0 oz wt/1000 row-ft	INFR	A 110	107.9
	EMPYROS	3.82	L	32.0 oz/a	EPOST	A 206	97.6
	ATRAZINE	4	L	32.0 oz/a	EPOST	A 308	174.6
	ROUNDUP POWERMAX3	5.88	SL	22.0 oz/a	EPOST	A	
	GROUNDED			0.83 % v/v	EPOST	A	
	Mean =						126.7

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COUNTER WITH SHIELDEX OR EMPYROS APPLIED EPOST IN FIELD CORN-YEAR 3			
Trial ID:	CN-02A-24	Study Dir.:	ZACH TAYLOR
Location:	PONDER FARM	Investigator:	Eric P. Prostko
<u>Rating Unit</u> % = PERCENT In = INCH <u>ARM Action Codes</u> T1 = ([C9]+[C10]+[C11]+[C12]+[C13])/5 T2 = ([23]+[24]+[25]+[26]+[27])/5 TY3 = 5.13661877*[29]			