

University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR											
Trial ID: CN-09-22			Study Dir.: JUSTIN HAND/KYLE BROWN								
Location: PONDER FARM			Investigator: Eric P. Prostko								

Reps: 4

Plots: 6 by 25 feet

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Appl. Amount	Mix Size	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NO COUNTER PREEMERGENCE NO SANDEA							- - -	101	206	305	404
2	NO COUNTER PREEMERGENCE SANDEA	75 DF		0.67 oz/a	15 GAL/AC	1.5 L	0.5018 g/mx	- - 1499.5 mL	102	205	306	403
3	NO COUNTER PREEMERGENCE SANDEA	75 DG		1.34 oz/a	15 GAL/AC	1.5 L	1.004 g/mx	- - 1499.0 mL	103	204	301	402
4	NO COUNTER POSTEMERGENCE NO SANDEA							- - -	104	203	302	401
5	NO COUNTER POSTEMERGENCE SANDEA	75 DF		0.67 oz/a	15 GAL/AC	1.5 L	0.5018 g/mx	- - 1499.5 mL	105	202	303	406
6	NO COUNTER POSTEMERGENCE SANDEA	75 DG		1.34 oz/a	15 GAL/AC	1.5 L	1.004 g/mx	- - 1499.0 mL	106	201	304	405
7	COUNTER PREEMERGENCE NO SANDEA	20 G		6.0 oz/1000 row-ft	-	-	4.252 g/1 row/1 plot	- - -	107	212	311	410
8	COUNTER PREEMERGENCE SANDEA	20 G		6.0 oz/1000 row-ft	-	-	4.252 g/1 row/1 plot	- - -	108	211	312	409
		75 DF		0.67 oz/a	15 GAL/AC	1.5 L	0.5018 g/mx	1499.5 mL				
9	COUNTER PREEMERGENCE SANDEA	20 G		6.0 oz/1000 row-ft	-	-	4.252 g/1 row/1 plot	- - -	109	210	307	408
		75 DG		1.34 oz/a	15 GAL/AC	1.5 L	1.004 g/mx	1499.0 mL				
10	COUNTER POSTEMERGENCE NO SANDEA	20 G		6.0 oz/1000 row-ft	-	-	4.252 g/1 row/1 plot	- - -	110	209	308	412
11	COUNTER POSTEMERGENCE SANDEA	20 G		6.0 oz/1000 row-ft	-	-	4.252 g/1 row/1 plot	- - -	111	208	309	407
		75 DF		0.67 oz/a	15 GAL/AC	1.5 L	0.5018 g/mx	1499.5 mL				
12	COUNTER POSTEMERGENCE SANDEA	20 G		6.0 oz/1000 row-ft	-	-	4.252 g/1 row/1 plot	- - -	112	207	310	411
		75 DG		1.34 oz/a	15 GAL/AC	1.5 L	1.004 g/mx	1499.0 mL				

Sort Order: Treatment

Trial Comments

MAINTAINED WEED FREE

ATRAZINE @ 32 OZ/A + DUAL MAGNUM @ 16OZ/A (PRE) - 04/12/22

ROUNDUP P-MAX @ 22 OZ/A + LIBERTY @ 22 OZ/A + ATRAZINE @ 32 OZ/A - 04/26/22

CULTIVATED - 05/09/22

INDUCE @ 0.25% V/V WITH ALL POST TREATMENTS (3.75 MLS/1500 MLS)

YIELD DATA WAS NOT COLLECTED DUE TO COMBINE/SCALE ERROR.

SUMMARY:

1) GENERALLY, THE FOLLOWING OBSERVATIONS WERE MADE:

A) PRE APPLICATIONS OF SANDEA WERE MORE INJURIOUS THAT POST APPLICATIONS.

B) 1.34 OZ/A OF SANDEA WAS MORE INJUROUS THAN 0.67 OZ/A.

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Location: PONDER FARM Investigator: Eric P. Prostko

C) COUNTER HAD NO EFFECT ON CORN INJURY.

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PRE/POST SANDEA IN FIELD CORN

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Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: JUSTIN HAND

Title: _____

Affiliation: _____

Postal Code: _____

Investigator: Eric P. Prostko

Title: _____

Affiliation: _____

Postal Code: _____

TRIAL LOCATION

City: _____

State/Prov.: _____

Postal Code: _____

Country: _____

E-Longitude of LL Corner °: _____

Altitude of LL Corner: _____ Unit: _____

Directions: _____

Trial Status: E

Trial Reliability: _____

Initiation Date: _____

Planned Completion Date: _____

N-Latitude of LL Corner °: _____

Angle y-axis to North °: _____

COOPERATOR/LANDOWNER

Cooperator: _____

Org: _____

Address 1: _____

Address 2: _____

City: _____

State/Prov.: _____

Postal Code: _____

Country: _____

Phone No: _____

Fax No: _____

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.			

Crop 1: ZEAMA FIELD CORN

Variety: PIONEER1847VYHR

Planting Date: Apr-11-22 Planting Method: MONOSEM

Rate: 36300 S/A Depth: 2 IN Perennial Age: _____

Row Spacing: 36 IN Spacing Within Row: _____ Seed Bed: _____

Soil Temperature: _____ Soil Moisture: NORMAL Emergence Date: _____

SITE AND DESIGN

Plot Width, Unit: 6 FT Plot Length, Unit: 25 FT Reps: 4

Site Type: _____

Tillage Type: CONVENTIONAL Study Design: FACTOR

Trial Initiation Comments: _____

	Previous Crops	Previous Pesticides	Year
1.	PEANUT		2021

MAINTENANCE

Field Prep./Maintenance: 1.5 TONS/A LIME - PREPLANT:

600 LBS/A 5-15-30- PREPLANT

131-0-0-16 SIDEDRESS 2 TIMES

AXILO BMZ @ 2 LBS/A

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

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Location: PONDER FARM Investigator: Eric P. Prostko

SOIL DESCRIPTION

% Sand: 92 % OM: 0.77 Texture: SAND
 % Silt: 6 pH: 6.0 Soil Name: TIFTON
 % 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-12-22		0.5	IN	SPRINKLER - LATERAL MOVE		
2.	Apr-17-22		0.16	IN	RAINFALL		
3.	Apr-18-22		0.53	IN	RAINFALL		
4.	Apr-27-22		0.75	IN	SPRINKLER - LATERAL MOVE		
5.	May-3-22		0.6	IN	SPRINKLER - LATERAL MOVE		
6.	May-5-22		0.5	IN	SPRINKLER - LATERAL MOVE		
7.	May-6-22		0.45	IN	RAINFALL		
8.	May-10-22		0.25	IN	SPRINKLER - LATERAL MOVE		
9.	May-12-22		0.4	IN	SPRINKLER - LATERAL MOVE		
10.	May-16-22		0.5	IN	SPRINKLER - LATERAL MOVE		
11.	May-23-22		0.5	IN	SPRINKLER - LATERAL MOVE		
12.	May-24-22		1.8	IN	RAINFALL		
13.	Jun-1-22		0.6	IN	SPRINKLER - LATERAL MOVE		
14.	Jun-8-22		0.5	IN	SPRINKLER - LATERAL MOVE		

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION

	A	B
Application Date:	Apr-12-22	May-2-22
Time of Day:	7:12 AM	8:00 AM
Application Method:	BROADCAST	BROADCAST
Application Timing:	PRE	POST
Applic. Placement:	SOIL	FOLIAGE
Air Temp., Unit:	56 F	67 F
% Relative Humidity:	92	94
Wind Velocity, Unit:	0 MPH	1 MPH
Dew Presence (Y/N):	N	Y
Water Hardness:	--	--
Soil Temp., Unit:	60 F	70 F
Soil Moisture:	OPTIMUM	DRY
% Cloud Cover:	0	100

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMA,	ZEAMA,
Stage Scale:		V4-V5
Height, Unit:		6, IN

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PRE/POST SANDEA IN FIELD CORN

WITH/WITHOUT COUNTER INFR

Trial ID: CN-09-22

Study Dir.: JUSTIN HAND/KYLE BROWN

Location: PONDER FARM Investigator: Eric P. Prostko

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:		
Stage Scale:		
Density, Unit:		

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	BACKPACK	SAME
Operating Pressure:	35	
Nozzle Type:	AIXR	
Nozzle Size:	11002	
Nozzle Spacing, Unit:	20 IN	
Nozzles/Row:		
Band Width, Unit:		
Boom Length, Unit:	60 IN	
Boom Height, Unit:	20 IN	
Ground Speed, Unit:	3.5 MPH	
Incorporation Equip.:		
Hours to Incorp.:		
Incorp. Depth, Unit:		
Carrier:	WATER	
Spray Volume, Unit:	15 GPA	
Spray pH:		
Propellant:	CO2	
Tank Mix (Y/N):		

Trt No	Treatment Application Comment

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Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN					
Location: PONDER FARM		Investigator: Eric P. Prostko					
Weed Code		-----	-----				
Crop Code		Zeama	Zeama	Zeama	Zeama	Zeama	Zeama
Part Rated							
Rating Data Type		Stunting	Stand	Stunting	Ht1	Ht2	Ht3
Rating Unit		%	#/5 ft	%	In	In	In
Rating Date		Apr-19-22	Apr-20-22	Apr-27-22	May-3-22	May-3-22	May-3-22
Trt Treatment	Form Form	Rate					
No. Name	Conc Type	Rate Unit	1	2	3	4	5
TABLE OF R MEANS							
Replicate 1			2.8	11.3	8.3	6.13	5.96
Replicate 2			2.5	11.6	5.0	5.33	5.54
Replicate 3			1.4	11.3	9.2	6.21	6.21
Replicate 4			1.1	11.9	9.2	5.79	6.17
TABLE OF A (INFR) MEANS							
1 NO COUNTER			0.1 b	11.6 a	5.4 b	5.88 a	6.06 a
2 COUNTER			4.9 a	11.4 a	10.4 a	5.85 a	5.88 a
LSD P=.10			1.18 - 2.28	0.32	4.24	0.925	1.102
Standard Deviation			0.82t	0.47	6.24	1.361	1.622
CV			53.35t	4.10	78.77	23.208	27.171
TABLE OF B (TIMING) MEANS							
1 PREEMERGENCE			2.6 a	11.3 b	15.8 a	5.06 b	5.04 b
2 POSTEMERGENCE			1.2 b	11.7 a	0.0 b	6.67 a	6.90 a
LSD P=.10			0.45 - 0.54	0.38	4.67	0.681	0.627
Standard Deviation			0.24t	0.55	6.87	1.003	0.923
CV			15.26t	4.81	86.80	17.096	15.468
TABLE OF C (RATE) MEANS							
1 NO SANDEA			1.1 b	11.4 a	0.0 c	6.81 a	7.00 a
2 SANDEA			2.0 ab	11.8 a	8.8 b	5.69 b	5.72 b
3 SANDEA			2.7 a	11.3 a	15.0 a	5.09 c	5.19 b
LSD P=.10			0.91 - 1.03	0.44	2.56	0.356	0.800
Standard Deviation			0.46t	0.64	3.73	0.519	1.164
CV			30.02t	5.57	47.08	8.845	19.509
TABLE OF A (INFR) B (TIMING) MEANS							
1 NO COUNTER			0.2 a	11.3 a	10.8 b	5.08 a	5.25 a
1 PREEMERGENCE							
2 COUNTER			6.8 a	11.3 a	20.8 a	5.04 a	4.83 a
1 PREEMERGENCE							
1 NO COUNTER			0.0 a	11.9 a	0.0 c	6.67 a	6.88 a
2 POSTEMERGENCE							
2 COUNTER			3.2 a	11.5 a	0.0 c	6.67 a	6.92 a
2 POSTEMERGENCE							
LSD P=.10			1.18 - 2.58	0.70	5.99	0.763	0.664
Standard Deviation			0.55t	0.73	6.24	0.794	0.691
CV			35.84t	6.32	78.77	13.536	11.576
TABLE OF A (INFR) C (RATE) MEANS							
1 NO COUNTER			0.0 a	11.1 a	0.0 c	6.50 a	7.00 a
1 NO SANDEA							
2 COUNTER			2.9 a	11.6 a	0.0 c	7.13 a	7.00 a
1 NO SANDEA							

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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PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR											
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date				----- Zeama Stunting % Apr-19-22	----- Zeama Stand #/5 ft Apr-20-22	Zeama Stunting % Apr-27-22	Zeama Ht1 In May-3-22	Zeama Ht2 In May-3-22	Zeama Ht3 In May-3-22	Zeama Ht4 In May-3-22	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	1	2	3	4	5	6	7
1	NO COUNTER				0.0 a	11.9 a	7.5 b	5.69 a	5.88 a	5.63 a	6.29 c
2	SANDEA	75 DF		0.67 oz/a							
2	COUNTER	20 G		6.0 oz/1000 row-ft	5.5 a	11.8 a	10.0 b	5.69 a	5.56 a	5.81 a	5.38 d
2	SANDEA	75 DF		0.67 oz/a							
1	NO COUNTER				0.3 a	11.8 a	8.8 b	5.44 a	5.31 a	5.38 a	5.19 de
3	SANDEA	75 DG		1.34 oz/a							
2	COUNTER	20 G		6.0 oz/1000 row-ft	6.5 a	10.9 a	21.3 a	4.75 a	5.06 a	4.94 a	4.94 e
3	SANDEA	75 DG		1.34 oz/a							
LSD P=.10					1.07 - 2.26	0.95	3.62	0.798	0.491	0.458	0.369
Standard Deviation					0.48t	0.98	3.73	0.822	0.505	0.471	0.380
CV					31.19t	8.48	47.08	14.013	8.464	7.981	6.301
TABLE OF B (TIMING) C (RATE) MEANS											
1	PREEMERGENCE				1.0 bc	11.1 a	0.0 c	7.19 a	7.13 a	6.94 a	7.19 a
1	NO SANDEA										
2	POSTEMERGENCE				1.2 bc	11.6 a	0.0 c	6.44 b	6.88 a	6.75 a	7.19 a
1	NO SANDEA										
1	PREEMERGENCE				2.2 b	11.8 a	17.5 b	4.63 c	4.44 b	4.56 b	4.38 b
2	SANDEA	75 DF		0.67 oz/a							
2	POSTEMERGENCE				1.8 bc	11.9 a	0.0 c	6.75 ab	7.00 a	6.88 a	7.29 a
2	SANDEA	75 DF		0.67 oz/a							
1	PREEMERGENCE				5.5 a	11.0 a	30.0 a	3.38 d	3.56 c	3.50 c	3.25 c
3	SANDEA	75 DG		1.34 oz/a							
2	POSTEMERGENCE				0.7 c	11.6 a	0.0 c	6.81 ab	6.81 a	6.81 a	6.88 a
3	SANDEA	75 DG		1.34 oz/a							
LSD P=.10					1.20 - 1.98	0.79	3.62	0.438	0.559	0.388	0.551
Standard Deviation					0.46t	0.81	3.73	0.451	0.576	0.400	0.567
CV					29.80t	7.06	47.08	7.685	9.648	6.767	9.415
TABLE OF A (INFR) B (TIMING) C (RATE) MEANS											
1	NO COUNTER				0.0 a	10.8 a	0.0 c	6.88 a	7.38 a	7.13 a	7.00 a
1	PREEMERGENCE										
1	NO SANDEA										
2	COUNTER	20 G		6.0 oz/1000 row-ft	2.6 a	11.5 a	0.0 c	7.50 a	6.88 a	6.75 a	7.38 a
1	PREEMERGENCE										
1	NO SANDEA										
1	NO COUNTER				0.0 a	11.5 a	0.0 c	6.13 a	6.63 a	6.50 a	6.75 a
2	POSTEMERGENCE										
1	NO SANDEA										
2	COUNTER	20 G		6.0 oz/1000 row-ft	3.2 a	11.8 a	0.0 c	6.75 a	7.13 a	7.00 a	7.63 a
2	POSTEMERGENCE										
1	NO SANDEA										
1	NO COUNTER				0.0 a	11.8 a	15.0 b	4.38 a	4.75 a	4.63 a	4.88 a
1	PREEMERGENCE										
2	SANDEA	75 DF		0.67 oz/a							
2	COUNTER	20 G		6.0 oz/1000 row-ft	6.1 a	11.8 a	20.0 b	4.88 a	4.13 a	4.50 a	3.88 a
1	PREEMERGENCE										
2	SANDEA	75 DF		0.67 oz/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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PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR											
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code				----- Zeama	----- Zeama	Zeama	Zeama	Zeama	Zeama		
Crop Code				Stunting %	Stand #/5 ft	Stunting %	Ht1 In	Ht2 In	Ht3 In		
Part Rated				Apr-19-22	Apr-20-22	Apr-27-22	May-3-22	May-3-22	May-3-22		
Rating Data Type											
Rating Unit											
Rating Date											
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	1	2	3	4	5	6	7
1	NO COUNTER				0.0 a	12.0 a	0.0 c	7.00 a	7.00 a	6.63 a	7.70 a
2	POSTEMERGENCE										
2	SANDEA	75 DF		0.67 oz/a							
2	COUNTER	20 G		6.0 oz/1000 row-ft	5.0 a	11.8 a	0.0 c	6.50 a	7.00 a	7.13 a	6.88 a
2	POSTEMERGENCE										
2	SANDEA	75 DF		0.67 oz/a							
1	NO COUNTER				0.7 a	11.3 a	17.5 b	4.00 a	3.63 a	4.00 a	3.75 a
1	PREEMERGENCE										
3	SANDEA	75 DG		1.34 oz/a							
2	COUNTER	20 G		6.0 oz/1000 row-ft	13.7 a	10.8 a	42.5 a	2.75 a	3.50 a	3.00 a	2.75 a
1	PREEMERGENCE										
3	SANDEA	75 DG		1.34 oz/a							
1	NO COUNTER				0.0 a	12.3 a	0.0 c	6.88 a	7.00 a	6.75 a	6.63 a
2	POSTEMERGENCE										
3	SANDEA	75 DG		1.34 oz/a							
2	COUNTER	20 G		6.0 oz/1000 row-ft	1.8 a	11.0 a	0.0 c	6.75 a	6.63 a	6.88 a	7.13 a
2	POSTEMERGENCE										
3	SANDEA	75 DG		1.34 oz/a							
LSD P=.10					2.92 - 6.10	0.57	5.12	0.997	0.726	0.537	0.757
Standard Deviation					0.67t	0.42	3.73	0.725	0.529	0.391	0.551
CV					43.54t	3.62	47.08	12.367	8.858	6.618	9.137

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Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN					
Location: PONDER FARM		Investigator: Eric P. Prostko					
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Zeama	Zeama
						----- ZEAMA PLANT, - HEIGHT-AVG INCHES	----- ZEAMA PLANT, - HEIGHT-AVG INCHES
						Ht5 In	Ht1 In
						May-3-22	May-10-22
Trt	Treatment	Form	Form	Rate			
No.	Name	Conc	Type	Rate Unit			
					8	9	10
1	NO COUNTER				6.19 b	5.9 c	10.31 a
2	SANDEA	75 DF		0.67 oz/a			10.44 a
2	COUNTER	20 G		6.0 oz/1000 row-ft	5.31 cd	5.6 d	9.38 a
2	SANDEA	75 DF		0.67 oz/a			9.31 a
1	NO COUNTER				5.50 c	5.4 d	8.38 a
3	SANDEA	75 DG		1.34 oz/a			8.63 a
2	COUNTER	20 G		6.0 oz/1000 row-ft	4.94 d	4.9 e	8.38 a
3	SANDEA	75 DG		1.34 oz/a			8.06 a
LSD P=.10					0.484	0.21	1.317
Standard Deviation					0.498	0.22	1.356
CV					8.319	3.68	13.323
TABLE OF B (TIMING) C (RATE) MEANS							
1	PREEMERGENCE				6.88 a	7.1 a	12.31 a
1	NO SANDEA						12.63 a
2	POSTEMERGENCE				7.13 a	6.9 a	12.31 a
1	NO SANDEA						13.00 a
1	PREEMERGENCE				4.63 b	4.5 b	8.25 c
2	SANDEA	75 DF		0.67 oz/a			8.44 b
2	POSTEMERGENCE				6.88 a	7.0 a	11.44 a
2	SANDEA	75 DF		0.67 oz/a			11.31 a
1	PREEMERGENCE				3.44 c	3.4 c	6.88 d
3	SANDEA	75 DG		1.34 oz/a			6.94 c
2	POSTEMERGENCE				7.00 a	6.9 a	9.88 b
3	SANDEA	75 DG		1.34 oz/a			9.75 b
LSD P=.10					0.395	0.25	1.001
Standard Deviation					0.406	0.25	1.030
CV					6.780	4.28	10.120
TABLE OF A (INFR) B (TIMING) C (RATE) MEANS							
1	NO COUNTER				6.88 a	7.1 a	12.38 a
1	PREEMERGENCE						12.50 a
1	NO SANDEA						12.00 a
2	COUNTER	20 G		6.0 oz/1000 row-ft	6.88 a	7.1 a	12.25 a
1	PREEMERGENCE						12.75 a
1	NO SANDEA						12.00 a
1	NO COUNTER				7.00 a	6.6 a	12.25 a
2	POSTEMERGENCE						12.13 a
1	NO SANDEA						12.75 a
2	COUNTER	20 G		6.0 oz/1000 row-ft	7.25 a	7.2 a	12.38 a
2	POSTEMERGENCE						12.50 a
1	NO SANDEA						13.25 a
1	NO COUNTER				5.25 a	4.8 a	8.63 a
1	PREEMERGENCE						9.13 a
2	SANDEA	75 DF		0.67 oz/a			8.50 a
2	COUNTER	20 G		6.0 oz/1000 row-ft	4.00 a	4.3 a	7.88 a
1	PREEMERGENCE						7.75 a
2	SANDEA	75 DF		0.67 oz/a			7.38 a

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PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR											
Trial ID: CN-09-22 Study Dir.: JUSTIN HAND/KYLE BROWN											
Location: PONDER FARM Investigator: Eric P. Prostko											
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date				Zeama Ht5 In May-3-22	----- ZEAMA PLANT, - HEIGHT-AVG INCHES May-3-22	Zeama Ht1 In May-10-22	Zeama Ht2 In May-10-22	Zeama Ht3 In May-10-22	Zeama Ht4 In May-10-22		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit						
1	NO COUNTER					8	9	10	11	12	13
2	POSTEMERGENCE					7.13 a	7.1 a	12.00 a	11.75 a	11.75 a	12.63 a
2	SANDEA	75	DF	0.67	oz/a						
2	COUNTER	20	G	6.0	oz/1000 row-ft	6.63 a	6.8 a	10.88 a	10.88 a	11.50 a	11.50 a
2	POSTEMERGENCE										
2	SANDEA	75	DF	0.67	oz/a						
1	NO COUNTER					3.88 a	3.9 a	6.38 a	7.38 a	7.63 a	7.25 a
1	PREEMERGENCE										
3	SANDEA	75	DG	1.34	oz/a						
2	COUNTER	20	G	6.0	oz/1000 row-ft	3.00 a	3.0 a	7.38 a	6.50 a	6.75 a	7.13 a
1	PREEMERGENCE										
3	SANDEA	75	DG	1.34	oz/a						
1	NO COUNTER					7.13 a	6.9 a	10.38 a	9.88 a	10.38 a	10.13 a
2	POSTEMERGENCE										
3	SANDEA	75	DG	1.34	oz/a						
2	COUNTER	20	G	6.0	oz/1000 row-ft	6.88 a	6.9 a	9.38 a	9.63 a	10.13 a	11.00 a
2	POSTEMERGENCE										
3	SANDEA	75	DG	1.34	oz/a						
LSD P=.10						0.749	0.45	1.169	1.155	1.032	0.892
Standard Deviation						0.545	0.33	0.851	0.841	0.751	0.650
CV						9.097	5.52	8.361	8.218	7.269	6.107

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.
t=Mean descriptions are reported in transformed data units, and are not de-transformed.

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PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR						
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code						
Crop Code						
Part Rated						
Rating Data Type						
Rating Unit						
Rating Date						
Trt Treatment	Form Form	Rate				
No. Name	Conc Type	Rate Unit				
TABLE OF R MEANS						
Replicate 1						
Replicate 2						
Replicate 3						
Replicate 4						
TABLE OF A (INFR) MEANS						
1 NO COUNTER						
2 COUNTER	20 G	6.0 oz/1000 row-ft				
LSD P=.10						
Standard Deviation						
CV						
TABLE OF B (TIMING) MEANS						
1 PREEMERGENCE						
2 POSTEMERGENCE						
LSD P=.10						
Standard Deviation						
CV						
TABLE OF C (RATE) MEANS						
1 NO SANDEA						
2 SANDEA	75 DF	0.67 oz/a				
3 SANDEA	75 DG	1.34 oz/a				
LSD P=.10						
Standard Deviation						
CV						
TABLE OF A (INFR) B (TIMING) MEANS						
1 NO COUNTER						
1 PREEMERGENCE						
2 COUNTER	20 G	6.0 oz/1000 row-ft				
1 PREEMERGENCE						
1 NO COUNTER						
2 POSTEMERGENCE						
2 COUNTER	20 G	6.0 oz/1000 row-ft				
2 POSTEMERGENCE						
LSD P=.10						
Standard Deviation						
CV						
TABLE OF A (INFR) C (RATE) MEANS						
1 NO COUNTER						
1 NO SANDEA						
2 COUNTER	20 G	6.0 oz/1000 row-ft				
1 NO SANDEA						

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.

t=Mean descriptions are reported in transformed data units, and are not de-transformed.

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR									
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date				Zeama Ht5 In May-10-22	----- ZEAMA PLANT, - HEIGHT-AVG INCHES May-10-22	Zeama Plant, - Ht1 In May-19-22	Zeama Plant, - Ht2 In May-19-22	Zeama Plant, - Ht3 In May-19-22	Zeama Plant, - Ht4 In May-19-22
Trt Treatment No. Name Form Conc Form Type Rate Rate Unit				14	15	16	17	18	19
1	NO COUNTER			10.38 b	10.4 a	21.25 a	20.75 a	20.13 a	20.94 a
2	SANDEA	75 DF	0.67 oz/a						
2	COUNTER	20 G	6.0 oz/1000 row-ft	9.06 c	9.4 a	20.88 a	20.88 a	20.56 a	20.06 a
2	SANDEA	75 DF	0.67 oz/a						
1	NO COUNTER			8.81 c	8.7 a	18.00 a	18.63 a	18.25 a	19.25 a
3	SANDEA	75 DG	1.34 oz/a						
2	COUNTER	20 G	6.0 oz/1000 row-ft	8.31 d	8.5 a	16.94 a	18.56 a	16.44 a	17.56 a
3	SANDEA	75 DG	1.34 oz/a						
LSD P=.10				0.278	0.69	1.115	0.877	1.988	1.694
Standard Deviation				0.286	0.71	1.148	0.902	2.046	1.744
CV				2.729	6.83	5.571	4.244	9.701	8.197
TABLE OF B (TIMING) C (RATE) MEANS									
1	PREEMERGENCE			12.88 a	12.4 ab	22.06 c	24.25 a	25.50 a	25.13 a
1	NO SANDEA								
2	POSTEMERGENCE			13.38 a	12.8 a	24.50 ab	24.50 a	25.69 a	24.69 a
1	NO SANDEA								
1	PREEMERGENCE			8.06 d	8.2 d	15.94 d	16.69 b	16.00 c	16.69 b
2	SANDEA	75 DF	0.67 oz/a						
2	POSTEMERGENCE			11.38 b	11.6 b	26.19 a	24.94 a	24.69 a	24.31 a
2	SANDEA	75 DF	0.67 oz/a						
1	PREEMERGENCE			6.94 e	7.0 e	12.44 e	13.69 c	12.75 d	13.69 c
3	SANDEA	75 DG	1.34 oz/a						
2	POSTEMERGENCE			10.19 c	10.1 c	22.50 bc	23.50 a	21.94 b	23.13 a
3	SANDEA	75 DG	1.34 oz/a						
LSD P=.10				1.042	0.95	2.058	1.783	1.757	2.155
Standard Deviation				1.073	0.98	2.118	1.835	1.809	2.218
CV				10.248	9.44	10.282	8.630	8.574	10.426
TABLE OF A (INFR) B (TIMING) C (RATE) MEANS									
1	NO COUNTER			12.50 a	12.4 a	22.38 a	24.50 a	25.50 a	25.13 a
1	PREEMERGENCE								
1	NO SANDEA								
2	COUNTER	20 G	6.0 oz/1000 row-ft	13.25 a	12.5 a	21.75 a	24.00 a	25.50 a	25.13 a
1	PREEMERGENCE								
1	NO SANDEA								
1	NO COUNTER			13.50 a	12.7 a	24.00 a	24.25 a	26.00 a	24.38 a
2	POSTEMERGENCE								
1	NO SANDEA								
2	COUNTER	20 G	6.0 oz/1000 row-ft	13.25 a	13.0 a	25.00 a	24.75 a	25.38 a	25.00 a
2	POSTEMERGENCE								
1	NO SANDEA								
1	NO COUNTER			8.63 a	8.8 a	15.50 a	17.00 a	16.38 a	18.00 a
1	PREEMERGENCE								
2	SANDEA	75 DF	0.67 oz/a						
2	COUNTER	20 G	6.0 oz/1000 row-ft	7.50 a	7.7 a	16.38 a	16.38 a	15.63 a	15.38 a
1	PREEMERGENCE								
2	SANDEA	75 DF	0.67 oz/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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PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR										
Trial ID: CN-09-22 Study Dir.: JUSTIN HAND/KYLE BROWN										
Location: PONDER FARM Investigator: Eric P. Prostko										
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date				Zeama Ht5 In May-10-22	----- ZEAMA PLANT, - HEIGHT-AVG INCHES May-10-22	Zeama Plant, - Ht1 In May-19-22	Zeama Plant, - Ht2 In May-19-22	Zeama Plant, - Ht3 In May-19-22	Zeama Plant, - Ht4 In May-19-22	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit					
1 2 2	NO COUNTER POSTEMERGENCE SANDEA	75	DF	0.67	oz/a	12.13 a	12.1 a	27.00 a	24.50 a	23.88 a
2 2 2	COUNTER POSTEMERGENCE SANDEA	20	G	6.0	oz/1000 row-ft	10.63 a	11.1 a	25.38 a	25.38 a	25.50 a
1 1 3	NO COUNTER PREEMERGENCE SANDEA	75	DF	0.67	oz/a	7.38 a	7.2 a	13.00 a	14.00 a	13.75 a
2 1 3	COUNTER PREEMERGENCE SANDEA	20	G	6.0	oz/1000 row-ft	6.50 a	6.9 a	11.88 a	13.38 a	11.75 a
1 2 3	NO COUNTER POSTEMERGENCE SANDEA	75	DG	1.34	oz/a	10.25 a	10.2 a	23.00 a	23.25 a	22.75 a
2 2 3	COUNTER POSTEMERGENCE SANDEA	20	G	6.0	oz/1000 row-ft	10.13 a	10.1 a	22.00 a	23.75 a	21.13 a
LSD P=.10						1.351	0.76	2.340	2.892	1.599
Standard Deviation						0.983	0.56	1.703	2.104	1.164
CV						9.393	5.36	8.267	9.899	5.517

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PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR						
Trial ID: CN-09-22 Study Dir.: JUSTIN HAND/KYLE BROWN						
Location: PONDER FARM Investigator: Eric P. Prostko						
Weed Code						
Crop Code						
Part Rated						
Rating Data Type						
Rating Unit						
Rating Date						
	Zeama Plant, - Ht5 In	----- ZEAMA PLANT, - HEIGHT-AVG INCHES	Zeama Plant, - Ht1 In	Zeama Plant, - Ht2 In	Zeama Plant, - Ht3 In	Zeama Plant, - Ht4 In
	May-19-22	May-19-22	Jun-2-22	Jun-2-22	Jun-2-22	Jun-2-22
Trt Treatment	Form Form	Rate				
No. Name	Conc Type	Rate Unit				
	20	21	22	23	24	25
TABLE OF R MEANS						
Replicate 1	21.46	21.0	50.88	50.75	51.13	51.79
Replicate 2	19.54	19.3	43.17	47.71	46.54	48.46
Replicate 3	22.96	22.8	48.88	51.38	53.38	51.33
Replicate 4	22.00	21.6	45.75	48.00	50.54	50.17
TABLE OF A (INFR) MEANS						
1 NO COUNTER	21.96 a	21.4 a	44.88 a	47.31 a	48.54 a	48.88 a
2 COUNTER 20 G 6.0 oz/1000 row-ft	21.02 a	20.9 a	49.46 a	51.60 a	52.25 a	52.00 a
LSD P=.10	3.144	2.68	5.174	6.727	8.154	6.788
Standard Deviation	4.628	3.94	7.617	9.903	12.003	9.992
CV	21.538	18.66	16.148	20.022	23.818	19.811
TABLE OF B (TIMING) MEANS						
1 PREEMERGENCE	18.44 b	18.0 b	41.48 b	43.40 b	44.52 b	45.27 b
2 POSTEMERGENCE	24.54 a	24.3 a	52.85 a	55.52 a	56.27 a	55.60 a
LSD P=.10	1.932	1.76	5.212	4.989	5.390	4.861
Standard Deviation	2.844	2.59	7.673	7.343	7.934	7.156
CV	13.234	12.26	16.267	14.847	15.743	14.188
TABLE OF C (RATE) MEANS						
1 NO SANDEA	25.28 a	24.7 a	53.25 a	54.78 a	56.72 a	56.16 a
2 SANDEA 75 DF 0.67 oz/a	20.28 b	20.6 b	46.03 b	48.50 b	49.44 b	50.06 b
3 SANDEA 75 DG 1.34 oz/a	18.91 c	18.1 c	42.22 c	45.09 c	45.03 c	45.09 c
LSD P=.10	1.209	1.37	1.691	1.595	3.082	3.329
Standard Deviation	1.760	1.99	2.461	2.322	4.486	4.846
CV	8.190	9.42	5.218	4.694	8.902	9.607
TABLE OF A (INFR) B (TIMING) MEANS						
1 NO COUNTER	19.25 a	18.5 a	39.29 a	41.71 a	43.17 a	43.96 a
1 PREEMERGENCE						
2 COUNTER 20 G 6.0 oz/1000 row-ft	17.63 a	17.5 a	43.67 a	45.08 a	45.88 a	46.58 a
1 PREEMERGENCE						
1 NO COUNTER	24.67 a	24.3 a	50.46 a	52.92 a	53.92 a	53.79 a
2 POSTEMERGENCE						
2 COUNTER 20 G 6.0 oz/1000 row-ft	24.42 a	24.3 a	55.25 a	58.13 a	58.63 a	57.42 a
2 POSTEMERGENCE						
LSD P=.10	1.258	0.98	6.467	4.516	4.382	2.415
Standard Deviation	1.309	1.02	6.731	4.701	4.561	2.514
CV	6.091	4.84	14.272	9.505	9.051	4.984
TABLE OF A (INFR) C (RATE) MEANS						
1 NO COUNTER	25.31 a	24.7 a	50.69 a	51.75 a	52.38 b	53.63 a
1 NO SANDEA						
2 COUNTER 20 G 6.0 oz/1000 row-ft	25.25 a	24.7 a	55.81 a	57.81 a	61.06 a	58.69 a
1 NO SANDEA						

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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PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR						
Trial ID: CN-09-22 Study Dir.: JUSTIN HAND/KYLE BROWN Location: PONDER FARM Investigator: Eric P. Prostko						
Weed Code						
Crop Code						
Part Rated						
Rating Data Type						
Rating Unit						
Rating Date						
	Zeama Plant, - Ht5 In	----- ZEAMA PLANT, - HEIGHT-AVG INCHES	Zeama Plant, - Ht1 In	Zeama Plant, - Ht2 In	Zeama Plant, - Ht3 In	Zeama Plant, - Ht4 In
	May-19-22	May-19-22	Jun-2-22	Jun-2-22	Jun-2-22	Jun-2-22
Trt Treatment	Form Form	Rate				
No. Name	Conc Type	Rate Unit	20	21	22	23
1 NO COUNTER			20.88 a	20.8 b	44.13 a	47.31 a
2 SANDEA	75 DF	0.67 oz/a				49.06 c
2 COUNTER	20 G	6.0 oz/1000 row-ft	19.69 a	20.4 b	47.94 a	49.69 a
2 SANDEA	75 DF	0.67 oz/a				49.81 bc
1 NO COUNTER			19.69 a	18.8 c	39.81 a	42.88 a
3 SANDEA	75 DG	1.34 oz/a				44.19 d
2 COUNTER	20 G	6.0 oz/1000 row-ft	18.13 a	17.5 d	44.63 a	47.31 a
3 SANDEA	75 DG	1.34 oz/a				45.88 d
LSD P=.10			2.958	0.57	5.151	2.800
Standard Deviation			3.045	0.58	5.301	2.882
CV			14.169	2.76	11.239	5.828
TABLE OF B (TIMING) C (RATE) MEANS						
1 PREEMERGENCE			25.44 a	24.5 a	52.13 ab	52.81 b
1 NO SANDEA						55.06 a
2 POSTEMERGENCE			25.13 a	24.9 a	54.38 a	56.75 a
1 NO SANDEA						58.38 a
1 PREEMERGENCE			16.50 b	16.4 c	38.38 c	40.50 c
2 SANDEA	75 DF	0.67 oz/a				42.06 b
2 POSTEMERGENCE			24.06 a	24.8 a	53.69 a	56.50 a
2 SANDEA	75 DF	0.67 oz/a				56.81 a
1 PREEMERGENCE			13.38 c	13.2 d	33.94 d	36.88 d
3 SANDEA	75 DG	1.34 oz/a				36.44 b
2 POSTEMERGENCE			24.44 a	23.1 b	50.50 b	53.31 b
3 SANDEA	75 DG	1.34 oz/a				53.63 a
LSD P=.10			2.425	0.77	3.021	1.885
Standard Deviation			2.496	0.79	3.109	1.940
CV			11.614	3.75	6.591	3.922
TABLE OF A (INFR) B (TIMING) C (RATE) MEANS						
1 NO COUNTER			26.13 a	24.7 a	49.00 a	49.38 a
1 PREEMERGENCE						49.75 d
1 NO SANDEA						52.50 a
2 COUNTER	20 G	6.0 oz/1000 row-ft	24.75 a	24.2 a	55.25 a	56.25 a
1 PREEMERGENCE						60.38 ab
1 NO SANDEA						60.38 a
1 NO COUNTER			24.50 a	24.6 a	52.38 a	54.13 a
2 POSTEMERGENCE						55.00 c
1 NO SANDEA						54.75 a
2 COUNTER	20 G	6.0 oz/1000 row-ft	25.75 a	25.2 a	56.38 a	59.38 a
2 POSTEMERGENCE						61.75 a
1 NO SANDEA						57.00 a
1 NO COUNTER			17.00 a	16.8 a	36.75 a	40.38 a
1 PREEMERGENCE						43.13 e
2 SANDEA	75 DF	0.67 oz/a				43.00 a
2 COUNTER	20 G	6.0 oz/1000 row-ft	16.00 a	16.0 a	40.00 a	40.63 a
1 PREEMERGENCE						41.00 e
2 SANDEA	75 DF	0.67 oz/a				43.50 a

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PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR									
Trial ID: CN-09-22 Study Dir.: JUSTIN HAND/KYLE BROWN									
Location: PONDER FARM Investigator: Eric P. Prostko									
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date				Zeama Plant, - Ht5 In May-19-22	----- ZEAMA PLANT, - HEIGHT-AVG INCHES May-19-22	Zeama Plant, - Ht1 In Jun-2-22	Zeama Plant, - Ht2 In Jun-2-22	Zeama Plant, - Ht3 In Jun-2-22	Zeama Plant, - Ht4 In Jun-2-22
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit				
1	NO COUNTER					24.75 a	24.8 a	51.50 a	54.25 a
2	POSTEMERGENCE								
2	SANDEA	75	DF	0.67	oz/a				
2	COUNTER	20	G	6.0	oz/1000 row-ft	23.38 a	24.9 a	55.88 a	58.75 a
2	POSTEMERGENCE								
2	SANDEA	75	DF	0.67	oz/a				
1	NO COUNTER					14.63 a	14.1 a	32.13 a	35.38 a
1	PREEMERGENCE								
3	SANDEA	75	DG	1.34	oz/a				
2	COUNTER	20	G	6.0	oz/1000 row-ft	12.13 a	12.3 a	35.75 a	38.38 a
1	PREEMERGENCE								
3	SANDEA	75	DG	1.34	oz/a				
1	NO COUNTER					24.75 a	23.4 a	47.50 a	50.38 a
2	POSTEMERGENCE								
3	SANDEA	75	DG	1.34	oz/a				
2	COUNTER	20	G	6.0	oz/1000 row-ft	24.13 a	22.8 a	53.50 a	56.25 a
2	POSTEMERGENCE								
3	SANDEA	75	DG	1.34	oz/a				
LSD P=.10						1.549	1.67	5.716	3.154
Standard Deviation						1.127	1.22	4.160	2.295
CV						5.246	5.76	8.820	4.641

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PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR				
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN		
Location: PONDER FARM		Investigator: Eric P. Prostko		
Weed Code				-----
Crop Code			Zeama	ZEAMA
Part Rated			Plant, -	PLANT, -
Rating Data Type			Ht5	HEIGHT-AVG
Rating Unit			In	INCHES
Rating Date			Jun-2-22	Jun-2-22
Trt Treatment	Form Form	Rate		
No. Name	Conc Type	Rate Unit	26	27
TABLE OF R MEANS				
Replicate 1			49.17	50.7
Replicate 2			47.46	46.7
Replicate 3			50.75	51.1
Replicate 4			51.29	49.2
TABLE OF A (INFR) MEANS				
1 NO COUNTER			49.31 a	47.8 a
2 COUNTER	20 G	6.0 oz/1000 row-ft	50.02 a	51.1 a
LSD P=.10			7.099	6.45
Standard Deviation			10.450	9.50
CV			21.040	19.22
TABLE OF B (TIMING) MEANS				
1 PREEMERGENCE			44.48 b	43.8 b
2 POSTEMERGENCE			54.85 a	55.0 a
LSD P=.10			5.952	5.01
Standard Deviation			8.761	7.37
CV			17.640	14.92
TABLE OF C (RATE) MEANS				
1 NO SANDEA			56.25 a	55.4 a
2 SANDEA	75 DF	0.67 oz/a	48.06 b	48.4 b
3 SANDEA	75 DG	1.34 oz/a	44.69 b	44.4 c
LSD P=.10			3.759	2.25
Standard Deviation			5.471	3.28
CV			11.015	6.63
TABLE OF A (INFR) B (TIMING) MEANS				
1 NO COUNTER			45.46 c	42.7 a
1 PREEMERGENCE				
2 COUNTER	20 G	6.0 oz/1000 row-ft	43.50 c	44.9 a
1 PREEMERGENCE				
1 NO COUNTER			53.17 b	52.9 a
2 POSTEMERGENCE				
2 COUNTER	20 G	6.0 oz/1000 row-ft	56.54 a	57.2 a
2 POSTEMERGENCE				
LSD P=.10			3.019	3.55
Standard Deviation			3.142	3.69
CV			6.327	7.47
TABLE OF A (INFR) C (RATE) MEANS				
1 NO COUNTER			54.06 b	52.5 b
1 NO SANDEA				
2 COUNTER	20 G	6.0 oz/1000 row-ft	58.44 a	58.4 a
1 NO SANDEA				

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t=Mean descriptions are reported in transformed data units, and are not de-transformed.

University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR				
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN		
Location: PONDER FARM		Investigator: Eric P. Prostko		
Weed Code				
Crop Code				
Part Rated				
Rating Data Type				
Rating Unit				
Rating Date				
			Zeama Plant, - Ht5 In Jun-2-22	----- ZEAMA PLANT, - HEIGHT-AVG INCHES Jun-2-22
Trt Treatment	Form Form	Rate		
No. Name	Conc Type	Rate Unit	26	27
1 NO COUNTER			49.38 c	47.8 cd
2 SANDEA	75 DF	0.67 oz/a		
2 COUNTER	20 G	6.0 oz/1000 row-ft	46.75 cd	49.1 c
2 SANDEA	75 DF	0.67 oz/a		
1 NO COUNTER			44.50 d	43.1 e
3 SANDEA	75 DG	1.34 oz/a		
2 COUNTER	20 G	6.0 oz/1000 row-ft	44.88 d	45.8 d
3 SANDEA	75 DG	1.34 oz/a		
LSD P=.10			3.097	2.24
Standard Deviation			3.187	2.30
CV			6.418	4.66
TABLE OF B (TIMING) C (RATE) MEANS				
1 PREEMERGENCE			55.25 ab	54.3 ab
1 NO SANDEA				
2 POSTEMERGENCE			57.25 a	56.5 a
1 NO SANDEA				
1 PREEMERGENCE			41.69 c	41.2 c
2 SANDEA	75 DF	0.67 oz/a		
2 POSTEMERGENCE			54.44 ab	55.7 ab
2 SANDEA	75 DF	0.67 oz/a		
1 PREEMERGENCE			36.50 d	36.0 d
3 SANDEA	75 DG	1.34 oz/a		
2 POSTEMERGENCE			52.88 b	52.9 b
3 SANDEA	75 DG	1.34 oz/a		
LSD P=.10			3.245	3.08
Standard Deviation			3.340	3.17
CV			6.724	6.42
TABLE OF A (INFR) B (TIMING) C (RATE) MEANS				
1 NO COUNTER			52.75 cd	50.7 d
1 PREEMERGENCE				
1 NO SANDEA				
2 COUNTER	20 G	6.0 oz/1000 row-ft	57.75 ab	58.0 a
1 PREEMERGENCE				
1 NO SANDEA				
1 NO COUNTER			55.38 bc	54.3 c
2 POSTEMERGENCE				
1 NO SANDEA				
2 COUNTER	20 G	6.0 oz/1000 row-ft	59.13 a	58.7 a
2 POSTEMERGENCE				
1 NO SANDEA				
1 NO COUNTER			45.25 e	41.7 e
1 PREEMERGENCE				
2 SANDEA	75 DF	0.67 oz/a		
2 COUNTER	20 G	6.0 oz/1000 row-ft	38.13 fg	40.7 e
1 PREEMERGENCE				
2 SANDEA	75 DF	0.67 oz/a		

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PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR				
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN		
Location: PONDER FARM		Investigator: Eric P. Prostko		
Weed Code				
Crop Code				
Part Rated				
Rating Data Type				
Rating Unit				
Rating Date				
			Zeama Plant, - Ht5 In Jun-2-22	----- ZEAMA PLANT, - HEIGHT-AVG INCHES Jun-2-22
Trt Treatment	Form Form	Rate		
No. Name	Conc Type	Rate Unit	26	27
1 NO COUNTER			53.50 cd	53.8 c
2 POSTEMERGENCE				
2 SANDEA	75 DF	0.67 oz/a		
2 COUNTER	20 G	6.0 oz/1000 row-ft	55.38 bc	57.5 ab
2 POSTEMERGENCE				
2 SANDEA	75 DF	0.67 oz/a		
1 NO COUNTER			38.38 f	35.8 f
1 PREEMERGENCE				
3 SANDEA	75 DG	1.34 oz/a		
2 COUNTER	20 G	6.0 oz/1000 row-ft	34.63 g	36.2 f
1 PREEMERGENCE				
3 SANDEA	75 DG	1.34 oz/a		
1 NO COUNTER			50.63 d	50.4 d
2 POSTEMERGENCE				
3 SANDEA	75 DG	1.34 oz/a		
2 COUNTER	20 G	6.0 oz/1000 row-ft	55.13 bc	55.4 bc
2 POSTEMERGENCE				
3 SANDEA	75 DG	1.34 oz/a		
LSD P=.10			3.742	2.28
Standard Deviation			2.723	1.66
CV			5.483	3.35

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University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR						
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN				
Location: PONDER FARM		Investigator: Eric P. Prostko				
COMPLETE FACTORIAL AOV For ----- Zeama Stunting % Apr-19-22 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	54.410368				
R	3	2.627176	0.875725	1.935	0.2253	
A	1	28.438715	28.438715	41.847	0.0075	1.2 - 2.3
RA	3	2.038787	0.679596			
B	1	2.401767	2.401767	43.210	0.0072	0.4 - 0.5
RB	3	0.166751	0.055584			
AB	1	1.159681	1.159681	3.781	0.1471	1.2 - 2.6
RAB	3	0.920049	0.306683			
C	2	2.058772	1.029386	4.786	0.0572	0.9 - 1.0
RC	6	1.290616	0.215103			
AC	2	0.978625	0.489313	2.107	0.2027	1.1 - 2.3
RAC	6	1.393185	0.232198			
BC	2	4.685258	2.342629	11.053	0.0097	1.2 - 2.0
RBC	6	1.271653	0.211942			
ABC	2	2.263423	1.131712	2.500	0.1623	2.9 - 6.1
RABC	6	2.715910	0.452652			
COMPLETE FACTORIAL AOV For ----- Zeama Stand #/5 ft Apr-20-22 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	30.000000				
R	3	3.666667	1.222222	7.040	0.0216	
A	1	0.333333	0.333333	1.500	0.3081	0.3
RA	3	0.666667	0.222222			
B	1	2.083333	2.083333	6.818	0.0796	0.4
RB	3	0.916667	0.305556			
AB	1	0.750000	0.750000	1.421	0.3189	0.7
RAB	3	1.583333	0.527778			
C	2	2.375000	1.187500	2.898	0.1316	0.4
RC	6	2.458333	0.409722			
AC	2	3.791667	1.895833	1.993	0.2169	0.9
RAC	6	5.708333	0.951389			
BC	2	0.541667	0.270833	0.411	0.6806	0.8
RBC	6	3.958333	0.659722			
ABC	2	0.125000	0.062500	0.360	0.7118	0.6
RABC	6	1.041667	0.173611			
COMPLETE FACTORIAL AOV For Zeama Stunting % Apr-27-22 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	8791.666667				
R	3	141.666667	47.222222	3.400	0.0943	
A	1	300.000000	300.000000	7.714	0.0691	4.2
RA	3	116.666667	38.888889			
B	1	3008.333333	3008.333333	63.706	0.0041	4.7
RB	3	141.666667	47.222222			
AB	1	300.000000	300.000000	7.714	0.0691	6.0
RAB	3	116.666667	38.888889			
C	2	1816.666667	908.333333	65.400	0.0001	2.6
RC	6	83.333333	13.888889			
AC	2	350.000000	175.000000	12.600	0.0071	3.6
RAC	6	83.333333	13.888889			
BC	2	1816.666667	908.333333	65.400	0.0001	3.6
RBC	6	83.333333	13.888889			
ABC	2	350.000000	175.000000	12.600	0.0071	5.1
RABC	6	83.333333	13.888889			

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PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR						
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN				
Location: PONDER FARM		Investigator: Eric P. Prostko				
COMPLETE FACTORIAL AOV For Zeama Ht1 In May-3-22 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	123.869792				
R	3	5.682292	1.894097	3.601	0.0851	
A	1	0.005208	0.005208	0.003	0.9610	0.92
RA	3	5.557292	1.852431			
B	1	30.880208	30.880208	30.720	0.0116	0.68
RB	3	3.015625	1.005208			
AB	1	0.005208	0.005208	0.008	0.9333	0.76
RAB	3	1.890625	0.630208			
C	2	24.385417	12.192708	45.310	0.0002	0.36
RC	6	1.614583	0.269097			
AC	2	3.447917	1.723958	2.553	0.1577	0.80
RAC	6	4.052083	0.675347			
BC	2	36.697917	18.348958	90.333	0.0001	0.44
RBC	6	1.218750	0.203125			
ABC	2	2.260417	1.130208	2.149	0.1978	1.00
RABC	6	3.156250	0.526042			
COMPLETE FACTORIAL AOV For Zeama Ht2 In May-3-22 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	127.203125				
R	3	3.348958	1.116319	3.994	0.0703	
A	1	0.421875	0.421875	0.160	0.7156	1.10
RA	3	7.890625	2.630208			
B	1	41.255208	41.255208	48.397	0.0061	0.63
RB	3	2.557292	0.852431			
AB	1	0.630208	0.630208	1.320	0.3339	0.66
RAB	3	1.432292	0.477431			
C	2	27.781250	13.890625	10.245	0.0116	0.80
RC	6	8.135417	1.355903			
AC	2	0.218750	0.109375	0.429	0.6699	0.49
RAC	6	1.531250	0.255208			
BC	2	27.510417	13.755208	41.482	0.0003	0.56
RBC	6	1.989583	0.331597			
ABC	2	0.822917	0.411458	1.472	0.3019	0.73
RABC	6	1.677083	0.279514			
COMPLETE FACTORIAL AOV For Zeama Ht3 In May-3-22 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	111.328125				
R	3	4.140625	1.380208	9.034	0.0121	
A	1	0.046875	0.046875	0.064	0.8160	0.58
RA	3	2.182292	0.727431			
B	1	39.421875	39.421875	16.185	0.0276	1.06
RB	3	7.307292	2.435764			
AB	1	2.296875	2.296875	69.632	0.0036	0.17
RAB	3	0.098958	0.032986			
C	2	23.625000	11.812500	35.438	0.0005	0.40
RC	6	2.000000	0.333333			
AC	2	0.875000	0.437500	1.969	0.2201	0.46
RAC	6	1.333333	0.222222			
BC	2	26.000000	13.000000	81.391	0.0001	0.39
RBC	6	0.958333	0.159722			
ABC	2	0.125000	0.062500	0.409	0.6815	0.54
RABC	6	0.916667	0.152778			

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University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR						
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN				
Location: PONDER FARM		Investigator: Eric P. Prostko				
COMPLETE FACTORIAL AOV For Zeama Ht4 In May-3-22 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	145.554792				
R	3	2.855625	0.951875	3.139	0.1084	
A	1	0.385208	0.385208	0.446	0.5519	0.63
RA	3	2.588958	0.862986			
B	1	56.985208	56.985208	91.308	0.0024	0.54
RB	3	1.872292	0.624097			
AB	1	1.576875	1.576875	15.912	0.0282	0.30
RAB	3	0.297292	0.099097			
C	2	37.045417	18.522708	52.640	0.0002	0.41
RC	6	2.111250	0.351875			
AC	2	4.757917	2.378958	16.494	0.0036	0.37
RAC	6	0.865417	0.144236			
BC	2	29.507917	14.753958	45.818	0.0002	0.55
RBC	6	1.932083	0.322014			
ABC	2	0.953750	0.476875	1.572	0.2824	0.76
RABC	6	1.819583	0.303264			
COMPLETE FACTORIAL AOV For Zeama Ht5 In May-3-22 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	118.744792				
R	3	4.807292	1.602431	5.398	0.0386	
A	1	2.296875	2.296875	1.555	0.3009	0.83
RA	3	4.432292	1.477431			
B	1	49.005208	49.005208	263.804	0.0005	0.29
RB	3	0.557292	0.185764			
AB	1	0.880208	0.880208	9.941	0.0511	0.29
RAB	3	0.265625	0.088542			
C	2	26.760417	13.380208	81.126	0.0001	0.28
RC	6	0.989583	0.164931			
AC	2	2.093750	1.046875	4.217	0.0718	0.48
RAC	6	1.489583	0.248264			
BC	2	22.260417	11.130208	67.484	0.0001	0.39
RBC	6	0.989583	0.164931			
ABC	2	0.135417	0.067708	0.228	0.8027	0.75
RABC	6	1.781250	0.296875			
COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT HEIGHT-AVG INCHES May-3-22 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	113.305525				
R	3	2.719892	0.906631	8.414	0.0143	
A	1	0.378075	0.378075	0.286	0.6297	0.8
RA	3	3.960558	1.320186			
B	1	43.054408	43.054408	65.870	0.0039	0.5
RB	3	1.960892	0.653631			
AB	1	0.837408	0.837408	8.377	0.0628	0.3
RAB	3	0.299892	0.099964			
C	2	27.703400	13.851700	52.918	0.0002	0.4
RC	6	1.570533	0.261756			
AC	2	1.303400	0.651700	13.583	0.0059	0.2
RAC	6	0.287867	0.047978			
BC	2	28.020067	14.010033	216.353	0.0001	0.2
RBC	6	0.388533	0.064756			
ABC	2	0.174067	0.087033	0.808	0.4891	0.5
RABC	6	0.646533	0.107756			

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University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR						
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN				
Location: PONDER FARM		Investigator: Eric P. Prostko				
COMPLETE FACTORIAL AOV For Zeama Ht1 In May-10-22 (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	271.744792				
R	3	24.223958	8.074653	11.153	0.0072	
A	1	1.171875	1.171875	0.684	0.4689	0.89
RA	3	5.140625	1.713542			
B	1	51.046875	51.046875	106.920	0.0019	0.47
RB	3	1.432292	0.477431			
AB	1	1.505208	1.505208	0.838	0.4276	1.29
RAB	3	5.390625	1.796875			
C	2	126.697917	63.348958	137.694	0.0001	0.47
RC	6	2.760417	0.460069			
AC	2	2.343750	1.171875	0.637	0.5610	1.32
RAC	6	11.031250	1.838542			
BC	2	25.593750	12.796875	12.064	0.0079	1.00
RBC	6	6.364583	1.060764			
ABC	2	2.697917	1.348958	1.863	0.2347	1.17
RABC	6	4.343750	0.723958			
COMPLETE FACTORIAL AOV For Zeama Ht2 In May-10-22 (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	262.979167				
R	3	10.395833	3.465278	4.904	0.0470	
A	1	2.520833	2.520833	0.938	0.4042	1.11
RA	3	8.062500	2.687500			
B	1	38.520833	38.520833	42.344	0.0074	0.65
RB	3	2.729167	0.909722			
AB	1	0.520833	0.520833	2.143	0.2394	0.47
RAB	3	0.729167	0.243056			
C	2	139.135417	69.567708	61.177	0.0001	0.73
RC	6	6.822917	1.137153			
AC	2	4.197917	2.098958	2.067	0.2076	0.98
RAC	6	6.093750	1.015625			
BC	2	26.572917	13.286458	6.480	0.0317	1.39
RBC	6	12.302083	2.050347			
ABC	2	0.135417	0.067708	0.096	0.9100	1.16
RABC	6	4.239583	0.706597			
COMPLETE FACTORIAL AOV For Zeama Ht3 In May-10-22 (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	263.166667				
R	3	1.875000	0.625000	1.108	0.4165	
A	1	1.333333	1.333333	0.419	0.5635	1.21
RA	3	9.541667	3.180556			
B	1	80.083333	80.083333	303.474	0.0004	0.35
RB	3	0.791667	0.263889			
AB	1	1.333333	1.333333	1.079	0.3754	1.07
RAB	3	3.708333	1.236111			
C	2	121.697917	60.848958	65.268	0.0001	0.66
RC	6	5.593750	0.932292			
AC	2	2.072917	1.036458	0.949	0.4384	1.02
RAC	6	6.552083	1.092014			
BC	2	15.822917	7.911458	5.103	0.0507	1.21
RBC	6	9.302083	1.550347			
ABC	2	0.072917	0.036458	0.065	0.9381	1.03
RABC	6	3.385417	0.564236			

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University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR						
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN				
Location: PONDER FARM		Investigator: Eric P. Prostko				
COMPLETE FACTORIAL AOV For Zeama Ht4 In May-10-22 (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	270.869792				
R	3	6.390625	2.130208	5.049	0.0443	
A	1	0.630208	0.630208	0.225	0.6674	1.14
RA	3	8.390625	2.796875			
B	1	81.380208	81.380208	274.123	0.0005	0.37
RB	3	0.890625	0.296875			
AB	1	0.880208	0.880208	0.569	0.5055	1.19
RAB	3	4.640625	1.546875			
C	2	123.135417	61.567708	81.524	0.0001	0.60
RC	6	4.531250	0.755208			
AC	2	5.635417	2.817708	4.471	0.0647	0.77
RAC	6	3.781250	0.630208			
BC	2	18.010417	9.005208	5.595	0.0425	1.23
RBC	6	9.656250	1.609375			
ABC	2	0.385417	0.192708	0.457	0.6536	0.89
RABC	6	2.531250	0.421875			
COMPLETE FACTORIAL AOV For Zeama Ht5 In May-10-22 (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	334.203125				
R	3	6.598958	2.199653	2.275	0.1801	
A	1	3.255208	3.255208	0.371	0.5854	2.01
RA	3	26.307292	8.769097			
B	1	66.505208	66.505208	121.610	0.0016	0.50
RB	3	1.640625	0.546875			
AB	1	0.130208	0.130208	0.066	0.8141	1.35
RAB	3	5.932292	1.977431			
C	2	180.031250	90.015625	153.855	0.0001	0.53
RC	6	3.510417	0.585069			
AC	2	4.885417	2.442708	29.936	0.0008	0.28
RAC	6	0.489583	0.081597			
BC	2	20.635417	10.317708	8.964	0.0158	1.04
RBC	6	6.906250	1.151042			
ABC	2	1.572917	0.786458	0.813	0.4869	1.35
RABC	6	5.802083	0.967014			
COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT HEIGHT-AVG INCHES May-10-22 (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	258.503125				
R	3	7.038958	2.346319	7.594	0.0182	
A	1	1.650208	1.650208	0.501	0.5300	1.2
RA	3	9.875625	3.291875			
B	1	62.335208	62.335208	478.734	0.0002	0.2
RB	3	0.390625	0.130208			
AB	1	0.060208	0.060208	0.066	0.8142	0.9
RAB	3	2.745625	0.915208			
C	2	136.898750	68.449375	150.278	0.0001	0.5
RC	6	2.732917	0.455486			
AC	2	3.150417	1.575208	3.139	0.1167	0.7
RAC	6	3.011250	0.501875			
BC	2	21.007917	10.503958	10.973	0.0099	1.0
RBC	6	5.743750	0.957292			
ABC	2	0.007917	0.003958	0.013	0.9873	0.8
RABC	6	1.853750	0.308958			

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University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR						
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN				
Location: PONDER FARM		Investigator: Eric P. Prostko				
COMPLETE FACTORIAL AOV For Zeama Plant Ht1 In May-19-22 (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1424.979167				
R	3	114.729167	38.243056	13.183	0.0047	
A	1	2.083333	2.083333	0.253	0.6499	1.95
RA	3	24.750000	8.250000			
B	1	690.083333	690.083333	52.522	0.0054	2.46
RB	3	39.416667	13.138889			
AB	1	0.187500	0.187500	0.024	0.8870	2.69
RAB	3	23.562500	7.854167			
C	2	275.322917	137.661458	25.972	0.0011	1.58
RC	6	31.802083	5.300347			
AC	2	3.135417	1.567708	1.190	0.3671	1.12
RAC	6	7.906250	1.317708			
BC	2	158.947917	79.473958	17.709	0.0030	2.06
RBC	6	26.927083	4.487847			
ABC	2	8.718750	4.359375	1.503	0.2958	2.34
RABC	6	17.406250	2.901042			
COMPLETE FACTORIAL AOV For Zeama Plant Ht2 In May-19-22 (Data Column 17)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1218.494792				
R	3	68.932292	22.977431	5.188	0.0419	
A	1	0.005208	0.005208	0.000	0.9904	3.74
RA	3	91.098958	30.366319			
B	1	447.130208	447.130208	48.824	0.0060	2.06
RB	3	27.473958	9.157986			
AB	1	4.380208	4.380208	13.492	0.0349	0.55
RAB	3	0.973958	0.324653			
C	2	272.197917	136.098958	18.590	0.0027	1.86
RC	6	43.927083	7.321181			
AC	2	0.072917	0.036458	0.045	0.9565	0.88
RAC	6	4.885417	0.814236			
BC	2	210.510417	105.255208	31.267	0.0007	1.78
RBC	6	20.197917	3.366319			
ABC	2	0.135417	0.067708	0.015	0.9849	2.89
RABC	6	26.572917	4.428819			
COMPLETE FACTORIAL AOV For Zeama Plant Ht3 In May-19-22 (Data Column 18)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1483.828125				
R	3	58.932292	19.644097	14.506	0.0037	
A	1	3.796875	3.796875	0.205	0.6817	2.93
RA	3	55.640625	18.546875			
B	1	435.005208	435.005208	55.496	0.0050	1.90
RB	3	23.515625	7.838542			
AB	1	1.505208	1.505208	0.190	0.6924	2.70
RAB	3	23.765625	7.921875			
C	2	558.000000	279.000000	32.850	0.0006	2.00
RC	6	50.958333	8.493056			
AC	2	10.500000	5.250000	1.254	0.3508	1.99
RAC	6	25.125000	4.187500			
BC	2	204.666667	102.333333	31.287	0.0007	1.76
RBC	6	19.625000	3.270833			
ABC	2	4.666667	2.333333	1.723	0.2563	1.60
RABC	6	8.125000	1.354167			

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University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR						
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN				
Location: PONDER FARM		Investigator: Eric P. Prostko				
COMPLETE FACTORIAL AOV For Zeama Plant Ht4 In May-19-22 (Data Column 19)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1282.479167				
R	3	89.395833	29.798611	4.593	0.0536	
A	1	6.750000	6.750000	0.458	0.5469	2.61
RA	3	44.166667	14.722222			
B	1	368.520833	368.520833	92.937	0.0024	1.35
RB	3	11.895833	3.965278			
AB	1	16.333333	16.333333	34.588	0.0098	0.66
RAB	3	1.416667	0.472222			
C	2	352.260417	176.130208	14.817	0.0048	2.37
RC	6	71.322917	11.887153			
AC	2	8.093750	4.046875	1.331	0.3323	1.69
RAC	6	18.239583	3.039931			
BC	2	221.072917	110.536458	22.474	0.0016	2.15
RBC	6	29.510417	4.918403			
ABC	2	4.572917	2.286458	0.352	0.7166	3.50
RABC	6	38.927083	6.487847			
COMPLETE FACTORIAL AOV For Zeama Plant Ht5 In May-19-22 (Data Column 20)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1392.244792				
R	3	74.557292	24.852431	19.556	0.0017	
A	1	10.546875	10.546875	0.492	0.5334	3.14
RA	3	64.265625	21.421875			
B	1	447.130208	447.130208	55.279	0.0050	1.93
RB	3	24.265625	8.088542			
AB	1	5.671875	5.671875	3.310	0.1664	1.26
RAB	3	5.140625	1.713542			
C	2	360.166667	180.083333	58.144	0.0001	1.21
RC	6	18.583333	3.097222			
AC	2	4.875000	2.437500	0.263	0.7772	2.96
RAC	6	55.625000	9.270833			
BC	2	271.541667	135.770833	21.796	0.0018	2.42
RBC	6	37.375000	6.229167			
ABC	2	4.875000	2.437500	1.918	0.2270	1.55
RABC	6	7.625000	1.270833			
COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT HEIGHT-AVG INCHES May-19-22 (Data Column 21)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1226.738125				
R	3	77.307292	25.769097	17.368	0.0023	
A	1	3.360208	3.360208	0.216	0.6738	2.7
RA	3	46.675625	15.558542			
B	1	471.880208	471.880208	70.270	0.0036	1.8
RB	3	20.145625	6.715208			
AB	1	3.466875	3.466875	3.310	0.1664	1.0
RAB	3	3.142292	1.047431			
C	2	349.661250	174.830625	44.090	0.0003	1.4
RC	6	23.792083	3.965347			
AC	2	3.330417	1.665208	4.883	0.0551	0.6
RAC	6	2.046250	0.341042			
BC	2	209.175417	104.587708	165.957	0.0001	0.8
RBC	6	3.781250	0.630208			
ABC	2	0.071250	0.035625	0.024	0.9764	1.7
RABC	6	8.902083	1.483681			

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University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR						
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN				
Location: PONDER FARM		Investigator: Eric P. Prostko				
COMPLETE FACTORIAL AOV For Zeama Plant Ht1 In Jun-2-22 (Data Column 22)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	4597.166667				
R	3	416.125000	138.708333	8.014	0.0161	
A	1	252.083333	252.083333	4.345	0.1284	5.17
RA	3	174.041667	58.013889			
B	1	1552.687500	1552.687500	26.376	0.0143	5.21
RB	3	176.604167	58.868056			
AB	1	0.520833	0.520833	0.011	0.9214	6.47
RAB	3	135.937500	45.312500			
C	2	1004.447917	502.223958	82.912	0.0001	1.69
RC	6	36.343750	6.057292			
AC	2	3.760417	1.880208	0.067	0.9360	5.15
RAC	6	168.614583	28.102431			
BC	2	502.718750	251.359375	26.007	0.0011	3.02
RBC	6	57.989583	9.664931			
ABC	2	11.447917	5.723958	0.331	0.7307	5.72
RABC	6	103.843750	17.307292			
COMPLETE FACTORIAL AOV For Zeama Plant Ht2 In Jun-2-22 (Data Column 23)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	4001.916667				
R	3	126.375000	42.125000	7.995	0.0162	
A	1	221.020833	221.020833	2.254	0.2303	6.73
RA	3	294.187500	98.062500			
B	1	1764.187500	1764.187500	32.716	0.0106	4.99
RB	3	161.770833	53.923611			
AB	1	10.083333	10.083333	0.456	0.5478	4.52
RAB	3	66.291667	22.097222			
C	2	772.822917	386.411458	71.682	0.0001	1.60
RC	6	32.343750	5.390625			
AC	2	27.322917	13.661458	1.645	0.2695	2.80
RAC	6	49.843750	8.307292			
BC	2	402.593750	201.296875	53.506	0.0001	1.88
RBC	6	22.572917	3.762153			
ABC	2	18.885417	9.442708	1.792	0.2454	3.15
RABC	6	31.614583	5.269097			
COMPLETE FACTORIAL AOV For Zeama Plant Ht3 In Jun-2-22 (Data Column 24)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	5014.479167				
R	3	291.395833	97.131944	19.763	0.0016	
A	1	165.020833	165.020833	1.145	0.3630	8.15
RA	3	432.229167	144.076389			
B	1	1656.750000	1656.750000	26.321	0.0143	5.39
RB	3	188.833333	62.944444			
AB	1	12.000000	12.000000	0.577	0.5028	4.38
RAB	3	62.416667	20.805556			
C	2	1114.822917	557.411458	27.695	0.0009	3.08
RC	6	120.760417	20.126736			
AC	2	150.510417	75.255208	8.101	0.0197	2.96
RAC	6	55.739583	9.289931			
BC	2	439.031250	219.515625	5.434	0.0450	6.18
RBC	6	242.385417	40.397569			
ABC	2	53.093750	26.546875	5.401	0.0455	3.05
RABC	6	29.489583	4.914931			

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University of Georgia

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Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN				
Location: PONDER FARM		Investigator: Eric P. Prostko				
COMPLETE FACTORIAL AOV For Zeama Plant Ht4 In Jun-2-22 (Data Column 25)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	4262.812500				
R	3	79.520833	26.506944	1.335	0.3481	
A	1	117.187500	117.187500	1.174	0.3579	6.79
RA	3	299.520833	99.840278			
B	1	1281.333333	1281.333333	25.022	0.0154	4.86
RB	3	153.625000	51.208333			
AB	1	3.000000	3.000000	0.475	0.5403	2.42
RAB	3	18.958333	6.319444			
C	2	982.406250	491.203125	20.919	0.0020	3.33
RC	6	140.885417	23.480903			
AC	2	22.593750	11.296875	1.551	0.2864	2.62
RAC	6	43.697917	7.282986			
BC	2	749.510417	374.755208	12.202	0.0077	5.38
RBC	6	184.281250	30.713542			
ABC	2	67.156250	33.578125	1.691	0.2615	6.12
RABC	6	119.135417	19.855903			
COMPLETE FACTORIAL AOV For Zeama Plant Ht5 In Jun-2-22 (Data Column 26)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	4172.166667				
R	3	107.291667	35.763889	4.822	0.0487	
A	1	6.020833	6.020833	0.055	0.8295	7.10
RA	3	327.604167	109.201389			
B	1	1291.687500	1291.687500	16.828	0.0262	5.95
RB	3	230.270833	76.756944			
AB	1	85.333333	85.333333	8.641	0.0605	3.02
RAB	3	29.625000	9.875000			
C	2	1131.291667	565.645833	18.899	0.0026	3.76
RC	6	179.583333	29.930556			
AC	2	98.666667	49.333333	4.856	0.0557	3.10
RAC	6	60.958333	10.159722			
BC	2	447.125000	223.562500	20.045	0.0022	3.24
RBC	6	66.916667	11.152778			
ABC	2	65.291667	32.645833	4.402	0.0666	3.74
RABC	6	44.500000	7.416667			
COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT HEIGHT-AVG INCHES Jun-2-22 (Data Column 27)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	4015.330000				
R	3	148.375000	49.458333	18.026	0.0021	
A	1	129.363333	129.363333	1.434	0.3172	6.5
RA	3	270.711667	90.237222			
B	1	1503.040833	1503.040833	27.644	0.0134	5.0
RB	3	163.114167	54.371389			
AB	1	13.440833	13.440833	0.985	0.3941	3.5
RAB	3	40.924167	13.641389			
C	2	993.401250	496.700625	46.259	0.0002	2.3
RC	6	64.423750	10.737292			
AC	2	43.625417	21.812708	4.120	0.0748	2.2
RAC	6	31.769583	5.294931			
BC	2	498.090417	249.045208	24.721	0.0013	3.1
RBC	6	60.444583	10.074097			
ABC	2	38.142917	19.071458	6.951	0.0274	2.3
RABC	6	16.462083	2.743681			
Part Rated						
PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)						
Rating Unit						
% = PERCENT						
In = INCH						
ARM Action Codes						
T1 = ([C4]+[C5]+[C6]+[C7]+[C8])/5						
T2 = ([C10]+[C11]+[C12]+[C13]+[C14])/5						
T3 = ([C16]+[C17]+[C18]+[C19]+[C20])/5						

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

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University of Georgia

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Trial ID: CN-09-22	Study Dir.: JUSTIN HAND/KYLE BROWN
Location: PONDER FARM Investigator: Eric P. Prostko	
T4 = ([C22]+[C23]+[C24]+[C25]+[C26])/5	

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University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR											
Trial ID: CN-09-22				Study Dir.: JUSTIN HAND/KYLE BROWN							
Location: PONDER FARM				Investigator: Eric P. Prostko							
Weed Code					-----	-----	Zeama	Zeama	Zeama	Zeama	Zeama
Crop Code					Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama
Part Rated					Stunting	Stand	Stunting	Ht1	Ht2	Ht3	
Rating Data Type					%	#/5 ft	%	In	In	In	
Rating Unit					Apr-19-22	Apr-20-22	Apr-27-22	May-3-22	May-3-22	May-3-22	
Rating Date					Apr-19-22	Apr-20-22	Apr-27-22	May-3-22	May-3-22	May-3-22	
Trt	Treatment	Form	Form	Rate	Plot	1	2	3	4	5	6
No.	Name	Conc	Type	Rate Unit							
1	NO COUNTER				101	0.0	9.0	0.0	7.50	7.00	6.50
	PREEMERGENCE				206	0.0	11.0	0.0	5.00	7.00	7.50
	NO SANDEA				305	0.0	12.0	0.0	8.50	8.00	7.00
					404	0.0	11.0	0.0	6.50	7.50	7.50
					Mean =	0.0d	10.8	0.0	6.88	7.38	7.13
2	NO COUNTER				102	0.0	12.0	10.0	5.00	6.00	5.00
	PREEMERGENCE				205	0.0	12.0	10.0	4.50	5.00	4.50
	SANDEA	75 DF		0.67 oz/a	306	0.0	11.0	20.0	4.00	4.00	5.00
					403	0.0	12.0	20.0	4.00	4.00	4.00
					Mean =	0.0d	11.8	15.0	4.38	4.75	4.63
3	NO COUNTER				103	0.0	11.0	10.0	4.50	4.00	4.50
	PREEMERGENCE				204	5.0	12.0	10.0	3.50	3.00	4.00
	SANDEA	75 DG		1.34 oz/a	301	0.0	11.0	30.0	4.00	3.50	4.00
					402	0.0	11.0	20.0	4.00	4.00	3.50
					Mean =	0.7d	11.3	17.5	4.00	3.63	4.00
4	NO COUNTER				104	0.0	11.0	0.0	7.00	7.00	7.00
	POSTEMERGENCE				203	0.0	12.0	0.0	5.50	6.00	5.50
	NO SANDEA				302	0.0	11.0	0.0	6.00	6.50	6.50
					401	0.0	12.0	0.0	6.00	7.00	7.00
					Mean =	0.0d	11.5	0.0	6.13	6.63	6.50
5	NO COUNTER				105	0.0	12.0	0.0	8.00	7.50	8.00
	POSTEMERGENCE				202	0.0	11.0	0.0	6.00	6.50	6.00
	SANDEA	75 DF		0.67 oz/a	303	0.0	11.0	0.0	6.00	6.00	6.50
					406	0.0	14.0	0.0	8.00	8.00	6.00
					Mean =	0.0d	12.0	0.0	7.00	7.00	6.63
6	NO COUNTER				106	0.0	12.0	0.0	7.00	7.50	8.00
	POSTEMERGENCE				201	0.0	13.0	0.0	6.50	5.00	5.00
	SANDEA	75 DG		1.34 oz/a	304	0.0	12.0	0.0	6.00	6.50	7.00
					405	0.0	12.0	0.0	8.00	9.00	7.00
					Mean =	0.0d	12.3	0.0	6.88	7.00	6.75
7	COUNTER	20 G		6.0 oz/1000 row-ft	107	10.0	11.0	0.0	7.50	5.00	6.00
	PREEMERGENCE				212	5.0	12.0	0.0	8.00	7.50	7.00
	NO SANDEA				311	0.0	11.0	0.0	8.00	8.00	7.50
					410	0.0	12.0	0.0	6.50	7.00	6.50
					Mean =	2.6d	11.5	0.0	7.50	6.88	6.75
8	COUNTER	20 G		6.0 oz/1000 row-ft	108	10.0	11.0	30.0	4.00	3.50	3.50
	PREEMERGENCE				211	5.0	12.0	10.0	5.00	4.00	5.00
	SANDEA	75 DF		0.67 oz/a	312	5.0	12.0	20.0	6.00	5.00	5.00
					409	5.0	12.0	20.0	4.50	4.00	4.50
					Mean =	6.1d	11.8	20.0	4.88	4.13	4.50
9	COUNTER	20 G		6.0 oz/1000 row-ft	109	15.0	11.0	50.0	2.00	4.00	3.00
	PREEMERGENCE				210	10.0	10.0	30.0	2.00	2.50	3.00
	SANDEA	75 DG		1.34 oz/a	307	15.0	10.0	40.0	4.00	4.50	3.00
					408	15.0	12.0	50.0	3.00	3.00	3.00
					Mean =	13.7d	10.8	42.5	2.75	3.50	3.00
10	COUNTER	20 G		6.0 oz/1000 row-ft	110	5.0	12.0	0.0	7.00	6.50	7.00
	POSTEMERGENCE				209	5.0	12.0	0.0	6.00	7.00	6.00
	NO SANDEA				308	5.0	11.0	0.0	7.00	8.00	8.00
					412	0.0	12.0	0.0	7.00	7.00	7.00
					Mean =	3.2d	11.8	0.0	6.75	7.13	7.00

d=Means are reported in de-transformed data units

University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR										
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code					----- Zeama	----- Zeama	Zeama	Zeama	Zeama	Zeama
Crop Code					Stunting	Stand	Stunting	Ht1	Ht2	Ht3
Part Rated					%	#/5 ft	%	In	In	In
Rating Data Type										
Rating Unit										
Rating Date					Apr-19-22	Apr-20-22	Apr-27-22	May-3-22	May-3-22	May-3-22
Trt	Treatment	Form	Form	Rate						
No.	Name	Conc	Type	Rate Unit	Plot	1	2	3	4	5
11	COUNTER	20	G	6.0 oz/1000 row-ft	111	5.0	12.0	0.0	7.00	7.00
	POSTEMERGENCE				208	5.0	11.0	0.0	6.00	7.50
	SANDEA	75	DF	0.67 oz/a	309	5.0	12.0	0.0	7.00	7.50
					407	5.0	12.0	0.0	6.00	6.50
					Mean =	5.0d	11.8	0.0	6.50	7.00
12	COUNTER	20	G	6.0 oz/1000 row-ft	112	5.0	11.0	0.0	7.00	6.50
	POSTEMERGENCE				207	5.0	11.0	0.0	6.00	5.50
	SANDEA	75	DG	1.34 oz/a	310	0.0	11.0	0.0	8.00	7.50
					411	0.0	11.0	0.0	6.00	7.00
					Mean =	1.8d	11.0	0.0	6.75	6.63

d=Means are reported in de-transformed data units

University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR										
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date					Zeama		Zeama		ZEAMA PLANT, - HEIGHT-AVG INCHES	
					Ht4 In May-3-22		Ht5 In May-3-22		Ht1 In May-10-22	Ht2 In May-10-22
Trt	Treatment	Form	Form	Rate	Plot	7	8	9	10	11
No.	Name	Conc	Type	Rate Unit						
1	NO COUNTER PREEMERGENCE NO SANDEA				101 206 305 404 Mean =	7.00 7.50 6.50 7.00 7.00	6.50 6.00 7.00 8.00 6.88	6.9 6.6 7.4 7.3 7.1	12.00 12.00 13.50 12.00 12.38	12.00 13.00 13.00 12.00 12.50
2	NO COUNTER PREEMERGENCE SANDEA	75 DF		0.67 oz/a	102 205 306 403 Mean =	5.50 4.00 5.00 5.00 4.88	5.00 5.00 5.00 6.00 5.25	5.3 4.6 4.6 4.6 4.8	9.00 8.00 8.50 9.00 8.63	10.00 8.00 9.00 9.50 9.13
3	NO COUNTER PREEMERGENCE SANDEA	75 DG		1.34 oz/a	103 204 301 402 Mean =	4.50 4.00 3.00 3.50 3.75	4.00 3.50 4.00 4.00 3.88	4.3 3.6 3.7 3.8 3.9	6.00 6.50 7.00 6.00 6.38	8.00 8.00 7.50 6.00 7.38
4	NO COUNTER POSTEMERGENCE NO SANDEA				104 203 302 401 Mean =	7.00 6.00 7.00 7.00 6.75	7.00 6.00 7.00 8.00 7.00	7.0 5.8 6.6 7.0 6.6	12.00 12.50 12.50 12.00 12.25	12.00 12.00 13.00 11.50 12.13
5	NO COUNTER POSTEMERGENCE SANDEA	75 DF		0.67 oz/a	105 202 303 406 Mean =	8.80 7.00 7.00 8.00 7.70	7.00 7.00 7.00 7.50 7.13	7.9 6.5 6.5 7.5 7.1	12.00 10.00 12.00 14.00 12.00	12.00 10.00 12.50 12.50 11.75
6	NO COUNTER POSTEMERGENCE SANDEA	75 DG		1.34 oz/a	106 201 304 405 Mean =	7.00 5.50 7.00 7.00 6.63	7.00 6.50 7.00 8.00 7.13	7.3 5.7 6.7 7.8 6.9	9.00 9.50 11.00 12.00 10.38	9.00 9.50 10.00 11.00 9.88
7	COUNTER PREEMERGENCE NO SANDEA	20 G		6.0 oz/1000 row-ft	107 212 311 410 Mean =	6.50 8.00 8.00 7.00 7.38	6.00 7.50 7.50 6.50 6.88	6.2 7.6 7.8 6.7 7.1	8.50 12.00 13.50 15.00 12.25	9.00 13.50 14.00 14.50 12.75
8	COUNTER PREEMERGENCE SANDEA	20 G 75 DF		6.0 oz/1000 row-ft 0.67 oz/a	108 211 312 409 Mean =	4.00 4.00 4.50 3.00 3.88	3.00 4.00 5.00 4.00 4.00	3.6 4.4 5.1 4.0 4.3	7.00 8.00 8.50 8.00 7.88	7.00 7.50 8.00 8.50 7.75
9	COUNTER PREEMERGENCE SANDEA	20 G 75 DG		6.0 oz/1000 row-ft 1.34 oz/a	109 210 307 408 Mean =	3.00 2.00 3.00 3.00 2.75	2.00 3.00 3.50 3.50 3.00	2.8 2.5 3.6 3.1 3.0	6.00 7.00 8.00 8.50 7.38	7.00 6.50 6.50 6.00 6.50
10	COUNTER POSTEMERGENCE NO SANDEA	20 G		6.0 oz/1000 row-ft	110 209 308 412 Mean =	7.50 7.00 8.50 7.50 7.63	6.00 7.50 8.00 7.50 7.25	6.8 6.7 7.9 7.2 7.2	12.00 10.50 14.00 13.00 12.38	12.00 10.50 14.00 13.50 12.50

d=Means are reported in de-transformed data units

University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR									
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code									
Crop Code									
Part Rated									
Rating Data Type									
Rating Unit									
Rating Date									
Trt Treatment	Form Form	Rate							
No. Name	Conc Type Rate Unit	Plot							
11 COUNTER	20 G 6.0 oz/1000 row-ft	111	7.00	7.00	7.2	9.50	9.00		
POSTEMERGENCE		208	6.50	7.00	6.6	10.50	11.00		
SANDEA	75 DF 0.67 oz/a	309	7.00	6.00	6.9	13.00	12.00		
		407	7.00	6.50	6.6	10.50	11.50		
		Mean =	6.88	6.63	6.8	10.88	10.88		
12 COUNTER	20 G 6.0 oz/1000 row-ft	112	8.00	6.50	7.0	8.50	8.00		
POSTEMERGENCE		207	6.50	6.50	6.1	9.50	10.50		
SANDEA	75 DG 1.34 oz/a	310	7.50	7.50	7.6	9.00	9.50		
		411	6.50	7.00	6.7	10.50	10.50		
		Mean =	7.13	6.88	6.9	9.38	9.63		

d=Means are reported in de-transformed data units

University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR									
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Zeama	Zeama	Zeama	----- ZEAMA PLANT, - HEIGHT-AVG INCHES
						Ht3 In May-10-22	Ht4 In May-10-22	Ht5 In May-10-22	Zeama Plant, - Ht1 In May-19-22
Trt	Treatment	Form	Form	Rate	Plot	12	13	14	15
No.	Name	Conc	Type	Rate Unit					16
1	NO COUNTER PREEMERGENCE NO SANDEA				101 206 305 404 Mean =	12.00 12.50 11.00 12.50 12.00	12.00 13.00 13.50 11.00 12.38	14.00 11.00 12.50 12.50 12.50	12.4 12.3 12.7 12.0 12.4
2	NO COUNTER PREEMERGENCE SANDEA	75 DF		0.67 oz/a	102 205 306 403 Mean =	10.00 7.50 7.50 9.00 8.50	10.50 9.00 8.50 8.50 9.13	11.00 8.50 8.00 7.00 8.63	10.1 8.2 8.3 8.6 8.8
3	NO COUNTER PREEMERGENCE SANDEA	75 DG		1.34 oz/a	103 204 301 402 Mean =	9.00 8.00 7.50 6.00 7.63	9.00 7.00 7.00 6.00 7.25	9.00 5.50 8.00 7.00 7.38	8.2 7.0 7.4 6.2 7.2
4	NO COUNTER POSTEMERGENCE NO SANDEA				104 203 302 401 Mean =	13.00 12.50 13.50 12.00 12.75	13.50 13.00 13.50 12.00 13.00	14.00 13.00 14.00 13.00 13.50	12.9 12.6 13.3 12.1 12.7
5	NO COUNTER POSTEMERGENCE SANDEA	75 DF		0.67 oz/a	105 202 303 406 Mean =	13.00 11.00 11.00 12.00 11.75	12.50 11.00 14.00 13.00 12.63	13.00 10.50 12.00 13.00 12.13	12.5 10.5 12.3 12.9 12.1
6	NO COUNTER POSTEMERGENCE SANDEA	75 DG		1.34 oz/a	106 201 304 405 Mean =	9.50 10.00 11.00 11.00 10.38	10.00 9.50 11.00 10.00 10.13	11.00 10.00 10.00 10.00 10.25	9.7 9.7 10.6 10.8 10.2
7	COUNTER PREEMERGENCE NO SANDEA	20 G		6.0 oz/1000 row-ft	107 212 311 410 Mean =	9.50 11.00 14.00 13.50 12.00	10.00 12.00 14.00 13.00 12.25	10.00 14.00 15.00 14.00 13.25	9.4 12.5 14.1 14.0 12.5
8	COUNTER PREEMERGENCE SANDEA	20 G 75 DF		6.0 oz/1000 row-ft 0.67 oz/a	108 211 312 409 Mean =	7.50 6.50 8.00 7.50 7.38	8.00 7.00 8.50 8.00 7.88	6.50 7.00 9.00 7.50 7.50	7.2 7.2 8.4 7.9 7.7
9	COUNTER PREEMERGENCE SANDEA	20 G 75 DG		6.0 oz/1000 row-ft 1.34 oz/a	109 210 307 408 Mean =	6.50 6.50 7.00 7.00 6.75	6.00 7.00 8.00 7.50 7.13	5.00 6.00 8.00 7.00 6.50	6.1 6.6 7.5 7.2 6.9
10	COUNTER POSTEMERGENCE NO SANDEA	20 G		6.0 oz/1000 row-ft	110 209 308 412 Mean =	12.50 13.00 13.50 14.00 13.25	14.00 12.00 14.50 13.00 13.38	13.00 12.50 14.50 13.00 13.25	12.7 11.7 14.1 13.3 13.0

d=Means are reported in de-transformed data units

University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR									
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code									
Crop Code									
Part Rated									
Rating Data Type									
Rating Unit									
Rating Date									
Trt Treatment	Form Form	Rate							
No. Name	Conc Type	Rate Unit	Plot	12	13	14	15	16	
11 COUNTER	20 G	6.0 oz/1000 row-ft	111	11.00	10.50	10.00	10.0	26.50	
POSTEMERGENCE			208	13.00	11.00	11.00	11.3	24.00	
SANDEA	75 DF	0.67 oz/a	309	12.00	12.50	9.50	11.8	29.00	
			407	10.00	12.00	12.00	11.2	22.00	
			Mean =	11.50	11.50	10.63	11.1	25.38	
12 COUNTER	20 G	6.0 oz/1000 row-ft	112	9.00	10.00	9.00	8.9	22.00	
POSTEMERGENCE			207	9.50	12.00	10.00	10.3	19.00	
SANDEA	75 DG	1.34 oz/a	310	11.00	10.00	11.00	10.1	25.00	
			411	11.00	12.00	10.50	10.9	22.00	
			Mean =	10.13	11.00	10.13	10.1	22.00	

d=Means are reported in de-transformed data units

University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR										
Trial ID: CN-09-22			Study Dir.: JUSTIN HAND/KYLE BROWN							
Location: PONDER FARM			Investigator: Eric P. Prostko							
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						Zeama Plant, - Ht2 In May-19-22	Zeama Plant, - Ht3 In May-19-22	Zeama Plant, - Ht4 In May-19-22	Zeama Plant, - Ht5 In May-19-22	----- ZEAMA PLANT, - HEIGHT-AVG INCHES May-19-22
Trt	Treatment	Form	Form	Rate	Plot	17	18	19	20	21
No.	Name	Conc	Type	Rate Unit						
1	NO COUNTER PREEMERGENCE NO SANDEA				101 206 305 404 Mean =	23.50 24.00 23.00 27.50 24.50	22.00 27.00 25.00 28.00 25.50	22.50 24.50 26.00 27.50 25.13	24.00 21.00 30.00 29.50 26.13	23.0 23.6 25.6 26.7 24.7
2	NO COUNTER PREEMERGENCE SANDEA	75 DF		0.67 oz/a	102 205 306 403 Mean =	17.00 15.00 18.50 17.50 17.00	17.00 15.00 16.00 17.50 16.38	17.50 13.50 22.00 19.00 18.00	18.00 14.00 19.00 17.00 17.00	16.7 14.3 18.9 17.2 16.8
3	NO COUNTER PREEMERGENCE SANDEA	75 DG		1.34 oz/a	103 204 301 402 Mean =	14.00 11.00 16.00 15.00 14.00	16.00 11.50 15.50 12.00 13.75	17.00 12.00 15.00 17.00 15.25	15.00 12.00 16.00 15.50 14.63	15.2 11.5 15.9 13.9 14.1
4	NO COUNTER POSTEMERGENCE NO SANDEA				104 203 302 401 Mean =	22.00 22.00 26.00 27.00 24.25	26.00 21.00 29.00 28.00 26.00	25.50 21.50 28.50 22.00 24.38	28.50 20.00 25.00 24.50 24.50	25.4 21.1 26.3 25.7 24.6
5	NO COUNTER POSTEMERGENCE SANDEA	75 DF		0.67 oz/a	105 202 303 406 Mean =	25.00 23.00 23.00 27.00 24.50	27.50 20.00 21.00 27.00 23.88	24.50 21.00 21.00 29.00 23.88	27.00 21.00 25.00 26.00 24.75	26.4 21.0 24.2 27.6 24.8
6	NO COUNTER POSTEMERGENCE SANDEA	75 DG		1.34 oz/a	106 201 304 405 Mean =	28.00 19.00 18.00 28.00 23.25	25.00 17.00 25.00 24.00 22.75	26.00 17.00 25.00 25.00 23.25	27.00 22.00 23.00 27.00 24.75	26.6 18.6 22.6 25.8 23.4
7	COUNTER PREEMERGENCE NO SANDEA	20 G		6.0 oz/1000 row-ft	107 212 311 410 Mean =	21.00 24.00 29.00 22.00 24.00	21.00 26.00 29.50 25.50 25.50	21.00 25.00 29.50 25.00 25.13	20.00 25.50 26.50 27.00 24.75	21.0 24.5 27.7 23.7 24.2
8	COUNTER PREEMERGENCE SANDEA	20 G 75 DF		6.0 oz/1000 row-ft 0.67 oz/a	108 211 312 409 Mean =	14.00 17.00 20.00 14.50 16.38	13.00 15.00 19.50 15.00 15.63	11.00 17.00 16.50 17.00 15.38	15.00 16.00 17.00 16.00 16.00	13.0 16.2 18.5 16.1 16.0
9	COUNTER PREEMERGENCE SANDEA	20 G 75 DG		6.0 oz/1000 row-ft 1.34 oz/a	109 210 307 408 Mean =	14.00 11.00 17.00 11.50 13.38	12.00 10.00 13.00 12.00 11.75	14.50 10.00 14.00 10.00 12.13	12.00 11.00 16.50 9.00 12.13	13.0 10.5 14.8 10.7 12.3
10	COUNTER POSTEMERGENCE NO SANDEA	20 G		6.0 oz/1000 row-ft	110 209 308 412 Mean =	24.00 23.00 28.00 24.00 24.75	24.00 24.00 28.50 25.00 25.38	23.00 24.00 27.00 26.00 25.00	24.00 30.00 23.50 25.50 25.75	24.0 25.0 26.6 25.1 25.2

d=Means are reported in de-transformed data units

University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR										
Trial ID: CN-09-22			Study Dir.: JUSTIN HAND/KYLE BROWN							
Location: PONDER FARM			Investigator: Eric P. Prostko							
Weed Code					Zeama Plant, - Ht2 In May-19-22	Zeama Plant, - Ht3 In May-19-22	Zeama Plant, - Ht4 In May-19-22	Zeama Plant, - Ht5 In May-19-22	----- ZEAMA PLANT, - HEIGHT-AVG INCHES May-19-22	
Crop Code										
Part Rated										
Rating Data Type										
Rating Unit										
Rating Date										
Trt	Treatment	Form	Form	Rate						
No.	Name	Conc	Type	Rate Unit	Plot	17	18	19	20	21
11	COUNTER	20 G		6.0 oz/1000 row-ft	111	24.50	24.00	23.00	23.00	24.2
	POSTEMERGENCE				208	25.00	27.00	26.00	20.00	24.4
	SANDEA	75 DF		0.67 oz/a	309	28.00	27.00	25.00	26.50	27.1
					407	24.00	24.00	25.00	24.00	23.8
					Mean =	25.38	25.50	24.75	23.38	24.9
12	COUNTER	20 G		6.0 oz/1000 row-ft	112	24.00	23.00	24.00	24.00	23.4
	POSTEMERGENCE				207	20.00	20.50	20.00	22.00	20.3
	SANDEA	75 DG		1.34 oz/a	310	26.00	22.00	25.00	27.50	25.1
					411	25.00	19.00	23.00	23.00	22.4
					Mean =	23.75	21.13	23.00	24.13	22.8

d=Means are reported in de-transformed data units

University of Georgia

PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR											
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code				Zeama	Zeama	Zeama	Zeama	Zeama	-----		
Crop Code				Plant, -	Plant, -	Plant, -	Plant, -	Plant, -	ZEAMA		
Part Rated				Ht1	Ht2	Ht3	Ht4	Ht5	PLANT, -		
Rating Data Type				In	In	In	In	In	HEIGHT-AVG		
Rating Unit				Jun-2-22	Jun-2-22	Jun-2-22	Jun-2-22	Jun-2-22	INCHES		
Rating Date									Jun-2-22		
Trt	Treatment	Form	Form	Rate							
No.	Name	Conc	Type	Rate Unit	Plot	22	23	24	25	26	27
1	NO COUNTER				101	51.00	50.00	45.00	48.50	49.00	48.7
	PREEMERGENCE				206	51.00	52.50	55.00	54.00	53.00	53.1
	NO SANDEA				305	44.50	47.00	49.00	55.50	55.00	50.2
					404	49.50	48.00	50.00	52.00	54.00	50.7
					Mean =	49.00	49.38	49.75	52.50	52.75	50.7
2	NO COUNTER				102	44.00	48.00	48.00	47.00	45.00	46.4
	PREEMERGENCE				205	33.00	41.00	40.50	38.00	40.00	38.5
	SANDEA	75 DF		0.67 oz/a	306	38.00	36.50	44.00	48.00	48.00	42.9
					403	32.00	36.00	40.00	39.00	48.00	39.0
					Mean =	36.75	40.38	43.13	43.00	45.25	41.7
3	NO COUNTER				103	38.00	39.50	45.00	44.00	45.00	42.3
	PREEMERGENCE				204	27.00	33.00	28.50	35.00	36.50	32.0
	SANDEA	75 DG		1.34 oz/a	301	31.00	33.00	36.00	35.50	36.00	34.3
					402	32.50	36.00	37.00	31.00	36.00	34.5
					Mean =	32.13	35.38	36.63	36.38	38.38	35.8
4	NO COUNTER				104	53.50	59.50	62.00	59.00	62.50	59.3
	POSTEMERGENCE				203	47.00	49.00	49.00	50.00	52.00	49.4
	NO SANDEA				302	60.50	58.00	57.00	59.00	52.00	57.3
					401	48.50	50.00	52.00	51.00	55.00	51.3
					Mean =	52.38	54.13	55.00	54.75	55.38	54.3
5	NO COUNTER				105	63.00	62.00	67.00	65.00	61.00	63.6
	POSTEMERGENCE				202	40.00	50.00	45.50	50.00	47.00	46.5
	SANDEA	75 DF		0.67 oz/a	303	53.00	54.00	54.00	52.50	56.00	53.9
					406	50.00	51.00	53.50	52.00	50.00	51.3
					Mean =	51.50	54.25	55.00	54.88	53.50	53.8
6	NO COUNTER				106	60.50	57.00	59.00	61.00	57.00	58.9
	POSTEMERGENCE				201	34.50	44.00	45.00	48.50	49.00	44.2
	SANDEA	75 DG		1.34 oz/a	304	49.00	51.00	53.00	49.00	47.50	49.9
					405	46.00	49.50	50.00	48.50	49.00	48.6
					Mean =	47.50	50.38	51.75	51.75	50.63	50.4
7	COUNTER	20 G		6.0 oz/1000 row-ft	107	53.50	49.50	49.00	49.00	44.00	49.0
	PREEMERGENCE				212	54.00	57.50	64.00	67.50	61.00	60.8
	NO SANDEA				311	62.50	63.00	67.50	64.00	63.50	64.1
					410	51.00	55.00	61.00	61.00	62.50	58.1
					Mean =	55.25	56.25	60.38	60.38	57.75	58.0
8	COUNTER	20 G		6.0 oz/1000 row-ft	108	35.00	34.00	31.50	42.00	27.00	33.9
	PREEMERGENCE				211	43.00	41.00	36.50	43.00	41.00	40.9
	SANDEA	75 DF		0.67 oz/a	312	45.00	46.00	51.00	47.50	45.50	47.0
					409	37.00	41.50	45.00	41.50	39.00	40.8
					Mean =	40.00	40.63	41.00	43.50	38.13	40.7
9	COUNTER	20 G		6.0 oz/1000 row-ft	109	35.00	33.50	33.00	35.00	32.00	33.7
	PREEMERGENCE				210	34.00	42.00	29.00	33.00	32.00	34.0
	SANDEA	75 DG		1.34 oz/a	307	40.00	45.00	46.00	36.50	36.00	40.7
					408	34.00	33.00	37.00	39.00	38.50	36.3
					Mean =	35.75	38.38	36.25	35.88	34.63	36.2
10	COUNTER	20 G		6.0 oz/1000 row-ft	110	62.00	60.50	61.00	58.50	53.50	59.1
	POSTEMERGENCE				209	48.50	53.00	55.00	50.50	53.00	52.0
	NO SANDEA				308	54.00	63.00	68.00	54.50	61.00	60.1
					412	61.00	61.00	63.00	64.50	69.00	63.7
					Mean =	56.38	59.38	61.75	57.00	59.13	58.7

d=Means are reported in de-transformed data units

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PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR											
Trial ID: CN-09-22		Study Dir.: JUSTIN HAND/KYLE BROWN									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code					Zeama Plant, - Ht1 In Jun-2-22	Zeama Plant, - Ht2 In Jun-2-22	Zeama Plant, - Ht3 In Jun-2-22	Zeama Plant, - Ht4 In Jun-2-22	Zeama Plant, - Ht5 In Jun-2-22	ZEAMA PLANT, - HEIGHT-AVG INCHES Jun-2-22	
Crop Code											
Part Rated											
Rating Data Type											
Rating Unit											
Rating Date											
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Plot	22	23	24	25	26	27
11	COUNTER	20 G		6.0 oz/1000 row-ft	111	59.00	61.00	60.00	55.00	56.00	58.2
	POSTEMERGENCE				208	52.50	57.00	51.50	56.00	53.00	54.0
	SANDEA	75 DF		0.67 oz/a	309	53.00	59.00	61.00	55.00	54.50	56.5
					407	59.00	58.00	62.00	69.50	58.00	61.3
					Mean =	55.88	58.75	58.63	58.88	55.38	57.5
12	COUNTER	20 G		6.0 oz/1000 row-ft	112	56.00	54.50	53.00	57.50	58.00	55.8
	POSTEMERGENCE				207	53.50	52.50	59.00	56.00	52.00	54.6
	SANDEA	75 DG		1.34 oz/a	310	56.00	61.00	54.00	59.00	54.00	56.8
					411	48.50	57.00	56.00	53.00	56.50	54.2
					Mean =	53.50	56.25	55.50	56.38	55.13	55.4

d=Means are reported in de-transformed data units

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PRE/POST SANDEA IN FIELD CORN WITH/WITHOUT COUNTER INFR	
Trial ID: CN-09-22	Study Dir.: JUSTIN HAND/KYLE BROWN
Location: PONDER FARM Investigator: Eric P. Prostko	
<u>Part Rated</u> PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)	
<u>Rating Unit</u> % = PERCENT In = INCH	
<u>ARM Action Codes</u> T1 = ([C4]+[C5]+[C6]+[C7]+[C8])/5 T2 = ([C10]+[C11]+[C12]+[C13]+[C14])/5 T3 = ([C16]+[C17]+[C18]+[C19]+[C20])/5 T4 = ([C22]+[C23]+[C24]+[C25]+[C26])/5	