

University of Georgia

PRE/POST SANDEA IN FIELD CORN
WITH/WITHOUT COUNTER INFR-YEAR 2

Trial ID: CN-04-23 Study Dir.: S.TAYLOR/J. HAND/K. 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 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 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	- - 1499.5 mL	108	211	312	409
9	COUNTER PREEMERGENCE SANDEA	20 G		6.0 oz/1000 row-ft	-	-	4.252 g/1 row/1 plot	- - 1499 mL	109	210	307	408
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	- - 1499.5 mL	111	208	309	407
12	COUNTER POSTEMERGENCE SANDEA	20 G		6.0 oz/1000 row-ft	-	-	4.252 g/1 row/1 plot	- - 1499 mL	112	207	310	411

Sort Order: Replicate 1

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Trial Comments

MAINTAINED WEED FREE

ATRAZINE @ 32 OZ/A + DUAL MAGNUM @ 16OZ/A (PRE) - APRIL 3
ROUNDUP P-MAX @ 22 OZ/A + ATRAZINE @ 32 OZ/A + ZIDUA @ 2 OZ/A - APRIL 26

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

HARVEST DATE: 09/06/23
HARVEST MOISTURE: 14.925%
YIELDS ADJUSTED TO 15.5%

SUMMARY:

- 1) COUNTER HAD NO EFFECT ON INJURY OR YIELD WHEN APPLIED WITH SANDEA PRE OR POST.
- 2) PRE APPLICATIONS OF SANDEA WERE MORE INJURIOUS (STUNTING AND CHLOROSIS) THAN POST APPLICATIONS.
- 3) SANDEA 1.34 OZ/A WAS MORE INJURIOUS THAN 0.67 OZ/A.
- 4) SANDEA SHOULD NOT BE APPLIED PRE 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: _____ **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.			
2.			

Crop 1: ZEAMA FIELD CORN **Variety:** DYNAGRO D58VC65
Planting Date: Mar-30-23 **Planting Method:** MONOSEM
Rate: 33880 S/A **Depth:** 2 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:** 4
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** FACTOR

Trial Initiation Comments:

No.	Previous Crops	Previous Pesticides	Year
1.	PEANUT		2022

MAINTENANCE

Field Prep./Maintenance: 1 TON/A LIME - PREPLANT
 PONCHO/MOTIVO SEED TRT
 800 LBS/A 5-15-30 - PREPLANT
 SIDEDRESS 122-0-0-15 ON APRIL 24 AND MAY 3
 AXILO BMZ @ 2 LBS/A (MICRO-NUTIENTS) ON APRIL 20

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

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Trial ID: CN-04-23 Study Dir.: S.TAYLOR/J. HAND/K. BROWN
Location: PONDER FARM Investigator: Eric P. Prostko

SOIL DESCRIPTION

% Sand: 94 % OM: 0.61 Texture: SAND
% Silt: 2 pH: 6.0 Soil Name: TIFTON/FUQUAY
% Clay: 4 CEC: 2.2 Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-3-23		0.83	IN	RAINFALL		
2.	Apr-7-23		0.45	IN	SPRINKLER - LATERAL MOVE		
3.	Apr-8-23		0.42	IN	RAINFALL		
4.	Apr-14-23		0.11	IN	RAINFALL		
5.	Apr-25-23		0.25	IN	SPRINKLER - LATERAL MOVE		
6.	Apr-27-23		1.0	IN	RAINFALL		
7.	Apr-29-23		0.65	IN	RAINFALL		
8.	May-11-23		0.5	IN	SPRINKLER - LATERAL MOVE		
9.	May-12-23		2.5	IN	RAINFALL		
10.	May-19-23		0.5	IN	SPRINKLER - LATERAL MOVE		
11.	May-20-23		0.1	IN	RAINFALL		
12.	May-22-23		0.75	IN	RAINFALL		
13.							
14.							

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

APPLICATION DESCRIPTION

	A	B
Application Date:	Mar-31-23	Apr-19-23
Time of Day:	7:00 AM	7:45 AM
Application Method:	BROADCAST	BROADCAST
Application Timing:	PRE	POST
Applic. Placement:	SOIL	FOLIAGE
Air Temp., Unit:	54 F	51 F
% Relative Humidity:	90	85
Wind Velocity, Unit:	2 MPH	0 MPH
Dew Presence (Y/N):	N	Y
Water Hardness:	--	--
Soil Temp., Unit:	59 F	62 F
Soil Moisture:	OPTIMUM	OPTIMUM
% Cloud Cover:	5	0

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMA,	ZEAMA,
Stage Scale:		V3-V4
Height, Unit:		6, IN

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WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:		
Stage Scale:		
Density, Unit:		
Weed 2 Code, Stage:		
Stage Scale:		
Density, Unit:		

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	BACKPACK	SAME AS A
Operating Pressure:	36	
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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Weed Code											
Crop Code											
Rating Data Type											
Rating Unit											
Rating Date											
Trt Treatment	-----	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama
No. Name	1	2	3	4	5	6	7	8	9	10	
Form Conc											
Form Type											
Rate											
Unit											
TABLE OF R MEANS											
Replicate 1	3.8	17.5	10.0	11.1	16.3	12.21	12.29	12.08	11.17	12.08	
Replicate 2	3.8	15.0	9.2	10.7	13.3	12.67	12.38	12.08	12.50	12.58	
Replicate 3	4.6	14.2	10.0	11.3	13.3	10.92	12.00	11.92	11.42	11.75	
Replicate 4	4.6	12.1	10.0	11.2	12.9	13.29	13.63	12.67	12.63	12.71	
TABLE OF A (INFR) MEANS											
1 NO COUNTER	3.3 b	12.9 b	9.6 -	10.9 -	14.0 -	11.90 -	12.73 -	12.10 -	11.58 -	12.00 -	
2 COUNTER 20 G 6.0 oz/1000 row-ft	5.0 a	16.5 a	10.0 -	11.2 -	14.0 -	12.65 -	12.42 -	12.27 -	12.27 -	12.56 -	
LSD P=.10	1.13	1.67	0.98	0.36	0.80	1.550	1.048	1.519	1.653	1.937	
Standard Deviation	1.67	2.47	1.44	0.53	1.18	2.282	1.543	2.236	2.433	2.851	
CV	40.00	16.78	14.74	4.77	8.44	18.598	12.271	18.347	20.403	23.217	
TABLE OF B (TIMING) MEANS											
1 PREEMERGENCE	8.3 a	29.4 a	19.6 a	10.9 -	27.9 a	10.88 b	11.27 b	10.98 b	10.60 b	10.67 b	
2 POSTEMERGENCE	0.0 b	0.0 b	0.0 b	11.2 -	0.0 b	13.67 a	13.88 a	13.40 a	13.25 a	13.90 a	
LSD P=.10	0.93	3.23	0.81	0.49	2.17	0.856	0.900	0.723	1.687	1.105	
Standard Deviation	1.67	5.76	1.44	0.87	3.86	1.526	1.605	1.290	3.007	1.970	
CV	40.00	39.21	14.74	7.92	27.68	12.439	12.762	10.582	25.209	16.039	
TABLE OF C (RATE) MEANS											
1 NO SANDEA	0.0 c	0.0 c	0.0 b	10.9 -	2.5 b	14.91 a	15.22 a	14.75 a	14.28 a	14.44 a	
2 SANDEA 75 DF 0.67 oz/a	5.6 b	19.4 b	14.4 a	11.1 -	17.5 a	11.41 b	11.84 b	11.69 b	11.34 b	11.91 b	
3 SANDEA 75 DG 1.34 oz/a	6.9 a	24.7 a	15.0 a	11.1 -	21.9 a	10.50 b	10.66 c	10.13 c	10.16 c	10.50 c	
LSD P=.10	0.50	2.53	0.87	0.46	7.13	0.948	0.974	0.972	0.855	0.807	
Standard Deviation	0.83	4.19	1.44	0.77	11.79	1.567	1.610	1.607	1.414	1.335	
CV	20.00	28.51	14.74	6.96	84.43	12.773	12.805	13.188	11.852	10.867	
TABLE OF A (INFR) B (TIMING) MEANS											
1 NO COUNTER	6.7 b	25.8 b	19.2 -	10.8 -	27.9 -	10.75 -	11.46 -	11.00 -	10.54 -	10.42 -	
1 PREEMERGENCE											
2 COUNTER 20 G 6.0 oz/1000 row-ft	10.0 a	32.9 a	20.0 -	10.9 -	27.9 -	11.00 -	11.08 -	10.96 -	10.67 -	10.92 -	
1 PREEMERGENCE											
2 POSTEMERGENCE	0.0 c	0.0 c	0.0 -	10.9 -	0.0 -	13.04 -	14.00 -	13.21 -	12.63 -	13.58 -	
2 COUNTER 20 G 6.0 oz/1000 row-ft	0.0 c	0.0 c	0.0 -	11.5 -	0.0 -	14.29 -	13.75 -	13.58 -	13.88 -	14.21 -	
2 POSTEMERGENCE											
LSD P=.10	1.32	4.57	1.15	0.69	3.07	1.211	1.273	1.023	2.385	1.563	
Standard Deviation	1.67	5.76	1.44	0.87	3.86	1.526	1.605	1.290	3.007	1.970	
CV	40.00	39.21	14.74	7.92	27.68	12.439	12.762	10.582	25.209	16.039	
TABLE OF A (INFR) C (RATE) MEANS											
1 NO COUNTER	0.0 d	0.0 d	0.0 -	10.9 -	5.0 -	14.31 -	15.69 -	14.88 -	13.81 -	14.06 -	
1 NO SANDEA											
2 COUNTER 20 G 6.0 oz/1000 row-ft	0.0 d	0.0 d	0.0 -	10.9 -	0.0 -	15.50 -	14.75 -	14.63 -	14.75 -	14.81 -	
1 NO SANDEA											
2 POSTEMERGENCE	5.0 c	17.5 c	13.8 -	11.0 -	18.1 -	11.25 -	12.25 -	11.56 -	11.25 -	11.63 -	
2 SANDEA 75 DF 0.67 oz/a											
2 COUNTER 20 G 6.0 oz/1000 row-ft	6.3 b	21.3 b	15.0 -	11.3 -	16.9 -	11.56 -	11.44 -	11.81 -	11.44 -	12.19 -	
2 SANDEA 75 DF 0.67 oz/a											

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
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PRE/POST SANDEA IN FIELD CORN
WITH/WITHOUT COUNTER INFR-YEAR 2

Trial ID: CN-04-23 Study Dir.: S.TAYLOR/J. HAND/K. BROWN
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code			-----									
Crop Code			Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama
Rating Data Type			Stunting	Stunting	Chlorosis	#/5ft	Stunting	Ht1	Ht2	Ht3	Ht4	Ht5
Rating Unit			%	%	%		%	In	In	In	In	In
Rating Date			Apr-12-23	Apr-18-23	Apr-18-23	Apr-18-23	Apr-26-23	May-5-23	May-5-23	May-5-23	May-5-23	May-5-23
Trt Treatment	Form Form	Rate										
No. Name	Conc Type	Rate Unit	1	2	3	4	5	6	7	8	9	10
1 NO COUNTER			5.0 c	21.3 b	15.0 -	10.8 -	18.8 -	10.13 -	10.25 -	9.88 -	9.69 -	10.31 -
3 SANDEA	75 DG	1.34 oz/a										
2 COUNTER	20 G	6.0 oz/1000 row-ft	8.8 a	28.1 a	15.0 -	11.5 -	25.0 -	10.88 -	11.06 -	10.38 -	10.63 -	10.69 -
3 SANDEA	75 DG	1.34 oz/a										
LSD P=.10			0.71	3.58	1.23	0.66	10.08	1.341	1.377	1.375	1.209	1.142
Standard Deviation			0.83	4.19	1.44	0.77	11.79	1.567	1.610	1.607	1.414	1.335
CV			20.00	28.51	14.74	6.96	84.43	12.773	12.805	13.188	11.852	10.867
TABLE OF B (TIMING) C (RATE) MEANS												
1 PREEMERGENCE			0.0 c	0.0 c	0.0 c	10.3 b	5.0 b	14.88 a	15.75 a	15.56 a	15.25 a	14.38 a
1 NO SANDEA												
2 POSTEMERGENCE			0.0 c	0.0 c	0.0 c	11.5 a	0.0 b	14.94 a	14.69 ab	13.94 b	13.31 b	14.50 a
1 NO SANDEA												
1 PREEMERGENCE			11.3 b	38.8 b	28.8 b	11.3 a	35.0 a	9.94 c	9.88 d	9.44 d	9.25 c	10.00 b
2 SANDEA	75 DF	0.67 oz/a										
2 POSTEMERGENCE			0.0 c	0.0 c	0.0 c	11.0 a	0.0 b	12.88 b	13.81 bc	13.94 b	13.44 b	13.81 a
2 SANDEA	75 DF	0.67 oz/a										
1 PREEMERGENCE			13.8 a	49.4 a	30.0 a	11.1 a	43.8 a	7.81 d	8.19 e	7.94 e	7.31 d	7.63 c
3 SANDEA	75 DG	1.34 oz/a										
2 POSTEMERGENCE			0.0 c	0.0 c	0.0 c	11.1 a	0.0 b	13.19 b	13.13 c	12.31 c	13.00 b	13.38 a
3 SANDEA	75 DG	1.34 oz/a										
LSD P=.10			0.71	3.58	1.23	0.66	10.08	1.341	1.377	1.375	1.209	1.142
Standard Deviation			0.83	4.19	1.44	0.77	11.79	1.567	1.610	1.607	1.414	1.335
CV			20.00	28.51	14.74	6.96	84.43	12.773	12.805	13.188	11.852	10.867
TABLE OF A (INFR) B (TIMING) C (RATE) MEANS												
1 NO COUNTER			0.0 d	0.0 d	0.0 -	10.3 -	10.0 -	14.00 -	16.13 -	15.88 -	15.50 -	13.88 -
1 PREEMERGENCE												
1 NO SANDEA												
2 COUNTER	20 G	6.0 oz/1000 row-ft	0.0 d	0.0 d	0.0 -	10.3 -	0.0 -	15.75 -	15.38 -	15.25 -	15.00 -	14.88 -
1 PREEMERGENCE												
1 NO SANDEA												
1 NO COUNTER			0.0 d	0.0 d	0.0 -	11.5 -	0.0 -	14.63 -	15.25 -	13.88 -	12.13 -	14.25 -
2 POSTEMERGENCE												
1 NO SANDEA												
2 COUNTER	20 G	6.0 oz/1000 row-ft	0.0 d	0.0 d	0.0 -	11.5 -	0.0 -	15.25 -	14.13 -	14.00 -	14.50 -	14.75 -
2 POSTEMERGENCE												
1 NO SANDEA												
1 NO COUNTER			10.0 c	35.0 c	27.5 -	11.5 -	36.3 -	10.25 -	10.25 -	9.38 -	8.88 -	9.63 -
1 PREEMERGENCE												
2 SANDEA	75 DF	0.67 oz/a										
2 COUNTER	20 G	6.0 oz/1000 row-ft	12.5 b	42.5 b	30.0 -	11.0 -	33.8 -	9.63 -	9.50 -	9.50 -	9.63 -	10.38 -
1 PREEMERGENCE												
2 SANDEA	75 DF	0.67 oz/a										
1 NO COUNTER			0.0 d	0.0 d	0.0 -	10.5 -	0.0 -	12.25 -	14.25 -	13.75 -	13.63 -	13.63 -
2 POSTEMERGENCE												
2 SANDEA	75 DF	0.67 oz/a										
2 COUNTER	20 G	6.0 oz/1000 row-ft	0.0 d	0.0 d	0.0 -	11.5 -	0.0 -	13.50 -	13.38 -	14.13 -	13.25 -	14.00 -
2 POSTEMERGENCE												
2 SANDEA	75 DF	0.67 oz/a										

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Weed Code	-----														
Crop Code	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama				
Rating Data Type	Stunting	Stunting	Chlorosis	#/5ft	Stunting	Ht1	Ht2	Ht3	Ht4	Ht5					
Rating Unit	%	%	%		%	In	In	In	In	In	In				
Rating Date	Apr-12-23	Apr-18-23	Apr-18-23	Apr-18-23	Apr-26-23	May-5-23	May-5-23	May-5-23	May-5-23	May-5-23	May-5-23				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	1	2	3	4	5	6	7	8	9	10
1	NO COUNTER					10.0 c	42.5 b	30.0 -	10.8 -	37.5 -	8.00 -	8.00 -	7.75 -	7.25 -	7.75 -
1	PREEMERGENCE														
3	SANDEA	75 DG		1.34	oz/a										
2	COUNTER	20 G		6.0	oz/1000 row-ft	17.5 a	56.3 a	30.0 -	11.5 -	50.0 -	7.63 -	8.38 -	8.13 -	7.38 -	7.50 -
1	PREEMERGENCE														
3	SANDEA	75 DG		1.34	oz/a										
1	NO COUNTER					0.0 d	0.0 d	0.0 -	10.8 -	0.0 -	12.25 -	12.50 -	12.00 -	12.13 -	12.88 -
2	POSTEMERGENCE														
3	SANDEA	75 DG		1.34	oz/a										
2	COUNTER	20 G		6.0	oz/1000 row-ft	0.0 d	0.0 d	0.0 -	11.5 -	0.0 -	14.13 -	13.75 -	12.63 -	13.88 -	13.88 -
2	POSTEMERGENCE														
3	SANDEA	75 DG		1.34	oz/a										
LSD P=.10						1.01	5.07	1.75	0.93	14.26	1.896	1.948	1.944	1.710	1.615
Standard Deviation						0.83	4.19	1.44	0.77	11.79	1.567	1.610	1.607	1.414	1.335
CV						20.00	28.51	14.74	6.96	84.43	12.773	12.805	13.188	11.852	10.867

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Weed Code						
Crop Code						
Rating Data Type						
Rating Unit						
Rating Date						
Trt Treatment	Form	Form	Rate			
No. Name	Conc	Type	Rate	Unit		
					11	12
					13	14
					15	
TABLE OF R MEANS						
Replicate 1					12.0	12.9
Replicate 2					12.4	15.8
Replicate 3					11.6	16.7
Replicate 4					13.0	15.4
TABLE OF A (INFR) MEANS						
1 NO COUNTER					12.1 -	14.6 -
2 COUNTER	20 G		6.0 oz/1000 row-ft		12.4 -	15.8 -
LSD P=.10					1.42	4.12
Standard Deviation					2.10	6.07
CV					17.12	39.89
TABLE OF B (TIMING) MEANS						
1 PREEMERGENCE					10.9 b	26.0 a
2 POSTEMERGENCE					13.6 a	4.4 b
LSD P=.10					0.96	1.98
Standard Deviation					1.72	3.54
CV					14.03	23.25
TABLE OF C (RATE) MEANS						
1 NO SANDEA					14.7 a	0.0 c
2 SANDEA	75 DF		0.67 oz/a		11.6 b	18.4 b
3 SANDEA	75 DG		1.34 oz/a		10.4 c	27.2 a
LSD P=.10					0.71	3.62
Standard Deviation					1.18	5.98
CV					9.63	39.32
TABLE OF A (INFR) B (TIMING) MEANS						
1 NO COUNTER					10.8 -	24.6 -
1 PREEMERGENCE						
2 COUNTER	20 G		6.0 oz/1000 row-ft		10.9 -	27.5 -
1 PREEMERGENCE						
1 NO COUNTER					13.3 -	4.6 -
2 POSTEMERGENCE						
2 COUNTER	20 G		6.0 oz/1000 row-ft		13.9 -	4.2 -
2 POSTEMERGENCE						
LSD P=.10					1.36	2.80
Standard Deviation					1.72	3.54
CV					14.03	23.25
TABLE OF A (INFR) C (RATE) MEANS						
1 NO COUNTER					14.6 -	0.0 -
1 NO SANDEA						
2 COUNTER	20 G		6.0 oz/1000 row-ft		14.9 -	0.0 -
1 NO SANDEA						
1 NO COUNTER					11.6 -	16.9 -
2 SANDEA	75 DF		0.67 oz/a			
2 COUNTER	20 G		6.0 oz/1000 row-ft		11.7 -	20.0 -
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.

University of Georgia

PRE/POST SANDEA IN FIELD CORN
WITH/WITHOUT COUNTER INFR-YEAR 2
Trial ID: CN-04-23 Study Dir.: S.TAYLOR/J. HAND/K. BROWN
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						
Crop Code						
Rating Data Type						
Rating Unit						
Rating Date						
Trt Treatment	Form Form	Rate				
No. Name	Conc Type	Rate Unit				
			11	12	13	14
1 NO COUNTER			10.1 -	26.9 -	15.0 -	39.3 c
3 SANDEA	75 DG	1.34 oz/a				205 c
2 COUNTER	20 G	6.0 oz/1000 row-ft	10.7 -	27.5 -	11.3 -	35.5 d
3 SANDEA	75 DG	1.34 oz/a				185 d
LSD P=.10			1.01	5.12	3.00	2.10
Standard Deviation			1.18	5.98	3.51	2.45
CV			9.63	39.32	46.17	6.11
TABLE OF B (TIMING) C (RATE) MEANS						
1 PREEMERGENCE			15.2 a	0.0 d	0.0 e	43.1 a
1 NO SANDEA						225 a
2 POSTEMERGENCE			14.3 ab	0.0 d	0.0 e	42.4 a
1 NO SANDEA						221 a
1 PREEMERGENCE			9.7 d	32.5 b	16.3 b	38.0 b
2 SANDEA	75 DF	0.67 oz/a				198 b
2 POSTEMERGENCE			13.6 bc	4.4 cd	3.1 d	42.3 a
2 SANDEA	75 DF	0.67 oz/a				221 a
1 PREEMERGENCE			7.8 e	45.6 a	20.0 a	33.6 c
3 SANDEA	75 DG	1.34 oz/a				176 c
2 POSTEMERGENCE			13.0 c	8.8 c	6.3 c	41.1 a
3 SANDEA	75 DG	1.34 oz/a				215 a
LSD P=.10			1.01	5.12	3.00	2.10
Standard Deviation			1.18	5.98	3.51	2.45
CV			9.63	39.32	46.17	6.11
TABLE OF A (INFR) B (TIMING) C (RATE) MEANS						
1 NO COUNTER			15.1 -	0.0 -	0.0 -	42.0 -
1 PREEMERGENCE						219 -
1 NO SANDEA						
2 COUNTER	20 G	6.0 oz/1000 row-ft	15.3 -	0.0 -	0.0 -	44.3 -
1 PREEMERGENCE						231 -
1 NO SANDEA						
1 NO COUNTER			14.0 -	0.0 -	0.0 -	41.0 -
2 POSTEMERGENCE						214 -
1 NO SANDEA						
2 COUNTER	20 G	6.0 oz/1000 row-ft	14.5 -	0.0 -	0.0 -	43.8 -
2 POSTEMERGENCE						228 -
1 NO SANDEA						
1 NO COUNTER			9.7 -	30.0 -	16.3 -	38.3 -
1 PREEMERGENCE						200 -
2 SANDEA	75 DF	0.67 oz/a				
2 COUNTER	20 G	6.0 oz/1000 row-ft	9.7 -	35.0 -	16.3 -	37.8 -
1 PREEMERGENCE						197 -
2 SANDEA	75 DF	0.67 oz/a				
1 NO COUNTER			13.5 -	3.8 -	2.5 -	41.3 -
2 POSTEMERGENCE						215 -
2 SANDEA	75 DF	0.67 oz/a				
2 COUNTER	20 G	6.0 oz/1000 row-ft	13.7 -	5.0 -	3.8 -	43.3 -
2 POSTEMERGENCE						226 -
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.

University of Georgia

PRE/POST SANDEA IN FIELD CORN
WITH/WITHOUT COUNTER INFR-YEAR 2

Trial ID: CN-04-23 Study Dir.: S.TAYLOR/J. HAND/K. BROWN
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						
Crop Code						
Rating Data Type						
Rating Unit						
Rating Date						
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	
						ZEAMA HGT-AVG IN May-5-23
						Zeama Stunting % May-18-23
						Zeama Chlorosis % May-18-23
						----- ZEAMA YIELD LBS/PLOT Sep-6-23
						----- ZEAMA YIELD BU/A Sep-6-23
1	NO COUNTER					11
1	PREEMERGENCE					12
3	SANDEA	75	DG	1.34	oz/a	13
2	COUNTER	20	G	6.0	oz/1000 row-ft	14
1	PREEMERGENCE					15
3	SANDEA	75	DG	1.34	oz/a	
1	NO COUNTER					7.8 -
2	POSTEMERGENCE					43.8 -
3	SANDEA	75	DG	1.34	oz/a	20.0 -
2	COUNTER	20	G	6.0	oz/1000 row-ft	36.3 -
1	PREEMERGENCE					189 -
3	SANDEA	75	DG	1.34	oz/a	7.8 -
2	POSTEMERGENCE					47.5 -
3	SANDEA	75	DG	1.34	oz/a	20.0 -
1	NO COUNTER					12.4 -
2	POSTEMERGENCE					10.0 -
3	SANDEA	75	DG	1.34	oz/a	10.0 -
2	COUNTER	20	G	6.0	oz/1000 row-ft	42.3 -
2	POSTEMERGENCE					221 -
3	SANDEA	75	DG	1.34	oz/a	13.7 -
						7.5 -
						2.5 -
						40.0 -
						209 -
LSD P=.10						1.43
Standard Deviation						7.23
CV						4.25
						2.96
						15.5
						1.18
						5.98
						3.51
						2.45
						12.8
						9.63
						39.32
						46.17
						6.11
						6.1

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

PRE/POST SANDEA IN FIELD CORN
WITH/WITHOUT COUNTER INFR-YEAR 2
Trial ID: CN-04-23 Study Dir.: S.TAYLOR/J. HAND/K. BROWN
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE SPLIT-PLOT AOV For ----- Zeama Stunting % Apr-12-23 (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1866.666667				
R	3	8.333333	2.777778	1.000	0.4547	
A	1	33.333333	33.333333	12.000	0.0405	1.1
ERROR A	3	8.333333	2.777778			
B	1	833.333333	833.333333	300.000	0.0001	0.9
AB	1	33.333333	33.333333	12.000	0.0134	1.3
ERROR B	6	16.666667	2.777778			
C	2	429.166667	214.583333	309.000	0.0001	0.5
AC	2	29.166667	14.583333	21.000	0.0001	0.7
BC	2	429.166667	214.583333	309.000	0.0001	0.7
ABC	2	29.166667	14.583333	21.000	0.0001	1.0
ERROR C	24	16.666667	0.694444			

COMPLETE SPLIT-PLOT AOV For Zeama Stunting % Apr-18-23 (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	22470.312500				
R	3	180.729167	60.243056	1.817	0.2444	
A	1	150.520833	150.520833	24.771	0.0156	1.7
ERROR A	3	18.229167	6.076389			
B	1	10354.687500	10354.687500	312.267	0.0001	3.2
AB	1	150.520833	150.520833	4.539	0.0772	4.6
ERROR B	6	198.958333	33.159722			
C	2	5403.125000	2701.562500	154.069	0.0001	2.5
AC	2	94.791667	47.395833	2.703	0.0874	3.6
BC	2	5403.125000	2701.562500	154.069	0.0001	3.6
ABC	2	94.791667	47.395833	2.703	0.0874	5.1
ERROR C	24	420.833333	17.534722			

COMPLETE SPLIT-PLOT AOV For Zeama Chlorosis % Apr-18-23 (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	9297.916667				
R	3	6.250000	2.083333	1.000	0.4547	
A	1	2.083333	2.083333	1.000	0.3910	1.0
ERROR A	3	6.250000	2.083333			
B	1	4602.083333	4602.083333	2209.000	0.0001	0.8
AB	1	2.083333	2.083333	1.000	0.3559	1.1
ERROR B	6	12.500000	2.083333			
C	2	2304.166667	1152.083333	553.000	0.0001	0.9
AC	2	4.166667	2.083333	1.000	0.3827	1.2
BC	2	2304.166667	1152.083333	553.000	0.0001	1.2
ABC	2	4.166667	2.083333	1.000	0.3827	1.7
ERROR C	24	50.000000	2.083333			

COMPLETE SPLIT-PLOT AOV For Zeama #/5ft Apr-18-23 (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	33.916667				
R	3	2.416667	0.805556	1.055	0.4349	
A	1	1.333333	1.333333	4.800	0.1162	0.4
ERROR A	3	0.833333	0.277778			
B	1	1.333333	1.333333	1.745	0.2346	0.5
AB	1	0.750000	0.750000	0.982	0.3600	0.7
ERROR B	6	4.583333	0.763889			
C	2	0.666667	0.333333	0.565	0.5759	0.5
AC	2	1.166667	0.583333	0.988	0.3869	0.7
BC	2	5.166667	2.583333	4.376	0.0240	0.7
ABC	2	1.500000	0.750000	1.271	0.2989	0.9
ERROR C	24	14.166667	0.590278			

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University of Georgia

PRE/POST SANDEA IN FIELD CORN
WITH/WITHOUT COUNTER INFR-YEAR 2

Trial ID: CN-04-23 Study Dir.: S.TAYLOR/J. HAND/K. BROWN
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE SPLIT-PLOT AOV For Zeama Stunting % Apr-26-23 (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	19997.916667				
R	3	85.416667	28.472222	1.907	0.2296	
A	1	0.000000	0.000000	0.000	1.0000	0.8
ERROR A	3	4.166667	1.388889			
B	1	9352.083333	9352.083333	626.372	0.0001	2.2
AB	1	0.000000	0.000000	0.000	1.0000	3.1
ERROR B	6	89.583333	14.930556			
C	2	3304.166667	1652.083333	11.895	0.0003	7.1
AC	2	262.500000	131.250000	0.945	0.4027	10.1
BC	2	3304.166667	1652.083333	11.895	0.0003	10.1
ABC	2	262.500000	131.250000	0.945	0.4027	14.3
ERROR C	24	3333.333333	138.888889			

COMPLETE SPLIT-PLOT AOV For Zeama Ht1 In May-5-23 (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	466.479167				
R	3	36.437500	12.145833	5.213	0.0415	
A	1	6.750000	6.750000	1.296	0.3376	1.55
ERROR A	3	15.625000	5.208333			
B	1	93.520833	93.520833	40.140	0.0007	0.86
AB	1	3.000000	3.000000	1.288	0.2998	1.21
ERROR B	6	13.979167	2.329861			
C	2	173.260417	86.630208	35.264	0.0001	0.95
AC	2	1.531250	0.765625	0.312	0.7351	1.34
BC	2	56.572917	28.286458	11.514	0.0003	1.34
ABC	2	6.843750	3.421875	1.393	0.2677	1.90
ERROR C	24	58.958333	2.456597			

COMPLETE SPLIT-PLOT AOV For Zeama Ht2 In May-5-23 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	456.494792				
R	3	18.640625	6.213542	2.413	0.1651	
A	1	1.171875	1.171875	0.492	0.5334	1.05
ERROR A	3	7.140625	2.380208			
B	1	81.380208	81.380208	31.608	0.0014	0.90
AB	1	0.046875	0.046875	0.018	0.8971	1.27
ERROR B	6	15.447917	2.574653			
C	2	179.291667	89.645833	34.585	0.0001	0.97
AC	2	7.625000	3.812500	1.471	0.2497	1.38
BC	2	82.666667	41.333333	15.946	0.0001	1.38
ABC	2	0.875000	0.437500	0.169	0.8457	1.95
ERROR C	24	62.208333	2.592014			

COMPLETE SPLIT-PLOT AOV For Zeama Ht3 In May-5-23 (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	438.312500				
R	3	3.895833	1.298611	0.781	0.5464	
A	1	0.333333	0.333333	0.067	0.8130	1.52
ERROR A	3	15.000000	5.000000			
B	1	70.083333	70.083333	42.138	0.0006	0.72
AB	1	0.520833	0.520833	0.313	0.5960	1.02
ERROR B	6	9.979167	1.663194			
C	2	177.125000	88.562500	34.282	0.0001	0.97
AC	2	1.166667	0.583333	0.226	0.7995	1.37
BC	2	98.041667	49.020833	18.976	0.0001	1.37
ABC	2	0.166667	0.083333	0.032	0.9683	1.94
ERROR C	24	62.000000	2.583333			

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

University of Georgia

PRE/POST SANDEA IN FIELD CORN
 WITH/WITHOUT COUNTER INFR-YEAR 2
 Trial ID: CN-04-23 Study Dir.: S.TAYLOR/J. HAND/K. BROWN
 Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE SPLIT-PLOT AOV For Zeama Ht4 In May-5-23 (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	517.994792				
R	3	19.848958	6.616319	0.732	0.5697	
A	1	5.671875	5.671875	0.958	0.3999	1.65
ERROR A	3	17.765625	5.921875			
B	1	84.005208	84.005208	9.293	0.0226	1.69
AB	1	3.796875	3.796875	0.420	0.5409	2.39
ERROR B	6	54.239583	9.039931			
C	2	144.291667	72.145833	36.104	0.0001	0.86
AC	2	1.500000	0.750000	0.375	0.6910	1.21
BC	2	130.541667	65.270833	32.664	0.0001	1.21
ABC	2	8.375000	4.187500	2.096	0.1449	1.71
ERROR C	24	47.958333	1.998264			

COMPLETE SPLIT-PLOT AOV For Zeama Ht5 In May-5-23 (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	421.453125				
R	3	7.140625	2.380208	0.613	0.6309	
A	1	3.796875	3.796875	0.467	0.5434	1.94
ERROR A	3	24.390625	8.130208			
B	1	125.130208	125.130208	32.248	0.0013	1.10
AB	1	0.046875	0.046875	0.012	0.9161	1.56
ERROR B	6	23.281250	3.880208			
C	2	127.406250	63.703125	35.763	0.0001	0.81
AC	2	0.281250	0.140625	0.079	0.9243	1.14
BC	2	65.322917	32.661458	18.336	0.0001	1.14
ABC	2	1.906250	0.953125	0.535	0.5924	1.61
ERROR C	24	42.750000	1.781250			

COMPLETE SPLIT-PLOT AOV For ZEAMA HGT-AVG IN May-5-23 (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	412.619792				
R	3	12.927292	4.309097	1.460	0.3165	
A	1	1.650208	1.650208	0.375	0.5835	1.4
ERROR A	3	13.193958	4.397986			
B	1	89.926875	89.926875	30.473	0.0015	1.0
AB	1	0.935208	0.935208	0.317	0.5939	1.4
ERROR B	6	17.706250	2.951042			
C	2	159.020417	79.510208	57.202	0.0001	0.7
AC	2	0.667917	0.333958	0.240	0.7883	1.0
BC	2	82.488750	41.244375	29.672	0.0001	1.0
ABC	2	0.742917	0.371458	0.267	0.7677	1.4
ERROR C	24	33.360000	1.390000			

COMPLETE SPLIT-PLOT AOV For Zeama Stunting % May-18-23 (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	15997.916667				
R	3	93.750000	31.250000	2.500	0.1565	
A	1	18.750000	18.750000	0.509	0.5269	4.1
ERROR A	3	110.416667	36.805556			
B	1	5633.333333	5633.333333	450.667	0.0001	2.0
AB	1	33.333333	33.333333	2.667	0.1536	2.8
ERROR B	6	75.000000	12.500000			
C	2	6163.541667	3081.770833	86.170	0.0001	3.6
AC	2	21.875000	10.937500	0.306	0.7393	5.1
BC	2	2969.791667	1484.895833	41.519	0.0001	5.1
ABC	2	19.791667	9.895833	0.277	0.7607	7.2
ERROR C	24	858.333333	35.763889			

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

PRE/POST SANDEA IN FIELD CORN
WITH/WITHOUT COUNTER INFR-YEAR 2

Trial ID: CN-04-23 Study Dir.: S.TAYLOR/J. HAND/K. BROWN
Location: PONDER FARM Investigator: Eric P. Prostko

COMPLETE SPLIT-PLOT AOV For Zeama Chlorosis % May-18-23 (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	3549.479167				
R	3	55.729167	18.576389	0.870	0.5067	
A	1	13.020833	13.020833	1.471	0.3120	2.0
ERROR A	3	26.562500	8.854167			
B	1	963.020833	963.020833	45.098	0.0005	2.6
AB	1	13.020833	13.020833	0.610	0.4646	3.7
ERROR B	6	128.125000	21.354167			
C	2	1482.291667	741.145833	60.127	0.0001	2.1
AC	2	44.791667	22.395833	1.817	0.1842	3.0
BC	2	482.291667	241.145833	19.563	0.0001	3.0
ABC	2	44.791667	22.395833	1.817	0.1842	4.2
ERROR C	24	295.833333	12.326389			

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA YIELD LBS/PLOT Sep-6-23 (Data Column 14)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1097.666667				
R	3	150.000000	50.000000	3.169	0.1066	
A	1	0.333333	0.333333	0.013	0.9177	3.5
ERROR A	3	79.333333	26.444444			
B	1	161.333333	161.333333	10.225	0.0187	2.2
AB	1	12.000000	12.000000	0.761	0.4167	3.2
ERROR B	6	94.666667	15.777778			
C	2	231.166667	115.583333	19.264	0.0001	1.5
AC	2	83.166667	41.583333	6.931	0.0042	2.1
BC	2	138.166667	69.083333	11.514	0.0003	2.1
ABC	2	3.500000	1.750000	0.292	0.7496	3.0
ERROR C	24	144.000000	6.000000			

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA YIELD BU/A Sep-6-23 (Data Column 15)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	29921.140508				
R	3	4088.828797	1362.942932	3.169	0.1066	
A	1	9.086286	9.086286	0.013	0.9177	18
ERROR A	3	2162.536119	720.845373			
B	1	4397.762528	4397.762528	10.225	0.0187	12
AB	1	327.106304	327.106304	0.761	0.4167	16
ERROR B	6	2580.505285	430.084214			
C	2	6301.339491	3150.669745	19.264	0.0001	8
AC	2	2267.028411	1133.514205	6.931	0.0042	11
BC	2	3766.265636	1883.132818	11.514	0.0003	11
ABC	2	95.406005	47.703003	0.292	0.7496	15
ERROR C	24	3925.275645	163.553152			

Rating Unit
% = PERCENT
In = INCH

ARM Action Codes
T1 = ([6]+[7]+[8]+[9]+[10])/5
TY2 = 5.22100169*[14]

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

PRE/POST SANDEA IN FIELD CORN
WITH/WITHOUT COUNTER INFR-YEAR 2
Trial ID: CN-04-23 Study Dir.: S.TAYLOR/J. HAND/K. BROWN
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code					Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	
Crop Code					Stunting	Stunting	Chlorosis	#/5ft	Stunting	Ht1	Ht2	Ht3	
Rating Data Type					%	%	%		%	In	In	In	
Rating Unit													
Rating Date				Apr-12-23	Apr-18-23	Apr-18-23	Apr-18-23	Apr-26-23	May-5-23	May-5-23	May-5-23	May-5-23	
Trt	Treatment	Form Form	Rate	Plot	1	2	3	4	5	6	7	8	9
No.	Name	Conc	Type Rate Unit										
1	NO COUNTER			101	0.0	0.0	0.0	10.0	0.0	14.00	14.00	15.50	14.00
	PREEMERGENCE			206	0.0	0.0	0.0	10.0	0.0	16.00	16.50	18.00	18.50
	NO SANDEA			305	0.0	0.0	0.0	11.0	0.0	12.00	15.00	14.00	15.00
				404	0.0	0.0	0.0	10.0	40.0	14.00	19.00	16.00	14.50
	Mean =				0.0	0.0	0.0	10.3	10.0	14.00	16.13	15.88	15.50
2	NO COUNTER			102	10.0	50.0	30.0	12.0	50.0	9.00	7.50	8.00	6.50
	PREEMERGENCE			205	10.0	30.0	20.0	11.0	30.0	11.00	12.00	10.00	11.00
	SANDEA	75 DF	0.67 oz/a	306	10.0	30.0	30.0	12.0	30.0	8.50	10.50	9.50	8.00
				403	10.0	30.0	30.0	11.0	35.0	12.50	11.00	10.00	10.00
	Mean =				10.0	35.0	27.5	11.5	36.3	10.25	10.25	9.38	8.88
3	NO COUNTER			103	10.0	50.0	30.0	10.0	50.0	9.00	9.00	8.50	4.00
	PREEMERGENCE			204	10.0	50.0	30.0	10.0	50.0	9.00	8.00	7.50	10.00
	SANDEA	75 DG	1.34 oz/a	301	10.0	40.0	30.0	12.0	50.0	5.00	7.00	7.00	7.50
				402	10.0	30.0	30.0	11.0	0.0	9.00	8.00	8.00	7.50
	Mean =				10.0	42.5	30.0	10.8	37.5	8.00	8.00	7.75	7.25
4	NO COUNTER			104	0.0	0.0	0.0	12.0	0.0	13.50	15.00	15.50	12.00
	POSTEMERGENCE			203	0.0	0.0	0.0	11.0	0.0	16.00	17.00	13.00	12.00
	NO SANDEA			302	0.0	0.0	0.0	12.0	0.0	15.00	15.00	14.00	12.50
				401	0.0	0.0	0.0	11.0	0.0	14.00	14.00	13.00	12.00
	Mean =				0.0	0.0	0.0	11.5	0.0	14.63	15.25	13.88	12.13
5	NO COUNTER			105	0.0	0.0	0.0	10.0	0.0	14.50	15.00	15.00	15.50
	POSTEMERGENCE			202	0.0	0.0	0.0	10.0	0.0	11.00	12.00	12.00	12.00
	SANDEA	75 DF	0.67 oz/a	303	0.0	0.0	0.0	10.0	0.0	9.50	14.00	13.00	12.00
				406	0.0	0.0	0.0	12.0	0.0	14.00	16.00	15.00	15.00
	Mean =				0.0	0.0	0.0	10.5	0.0	12.25	14.25	13.75	13.63
6	NO COUNTER			106	0.0	0.0	0.0	11.0	0.0	12.00	12.00	11.00	14.50
	POSTEMERGENCE			201	0.0	0.0	0.0	10.0	0.0	14.00	13.50	15.00	14.00
	SANDEA	75 DG	1.34 oz/a	304	0.0	0.0	0.0	10.0	0.0	7.50	10.00	8.00	6.00
				405	0.0	0.0	0.0	12.0	0.0	15.50	14.50	14.00	14.00
	Mean =				0.0	0.0	0.0	10.8	0.0	12.25	12.50	12.00	12.13
7	COUNTER	20 G	6.0 oz/1000 row-ft	107	0.0	0.0	0.0	11.0	0.0	17.00	16.00	15.50	15.00
	PREEMERGENCE			212	0.0	0.0	0.0	10.0	0.0	14.50	12.50	13.00	14.00
	NO SANDEA			311	0.0	0.0	0.0	9.0	0.0	15.00	16.00	16.50	15.00
				410	0.0	0.0	0.0	11.0	0.0	16.50	17.00	16.00	16.00
	Mean =				0.0	0.0	0.0	10.3	0.0	15.75	15.38	15.25	15.00
8	COUNTER	20 G	6.0 oz/1000 row-ft	108	10.0	50.0	30.0	12.0	45.0	10.00	11.50	11.00	9.50
	PREEMERGENCE			211	10.0	40.0	30.0	10.0	30.0	10.50	10.50	9.50	9.00
	SANDEA	75 DF	0.67 oz/a	312	15.0	40.0	30.0	11.0	30.0	8.00	7.50	7.50	10.00
				409	15.0	40.0	30.0	11.0	30.0	10.00	8.50	10.00	10.00
	Mean =				12.5	42.5	30.0	11.0	33.8	9.63	9.50	9.50	9.63
9	COUNTER	20 G	6.0 oz/1000 row-ft	109	15.0	60.0	30.0	11.0	50.0	9.00	9.00	8.00	8.00
	PREEMERGENCE			210	15.0	60.0	30.0	12.0	50.0	6.00	7.50	8.00	6.50
	SANDEA	75 DG	1.34 oz/a	307	20.0	60.0	30.0	12.0	50.0	8.50	9.00	9.50	9.00
				408	20.0	45.0	30.0	11.0	50.0	7.00	8.00	7.00	6.00
	Mean =				17.5	56.3	30.0	11.5	50.0	7.63	8.38	8.13	7.38
10	COUNTER	20 G	6.0 oz/1000 row-ft	110	0.0	0.0	0.0	12.0	0.0	13.00	13.00	12.00	12.00
	POSTEMERGENCE			209	0.0	0.0	0.0	11.0	0.0	16.00	13.00	14.00	14.50
	NO SANDEA			308	0.0	0.0	0.0	12.0	0.0	15.00	14.00	14.00	15.00
				412	0.0	0.0	0.0	11.0	0.0	17.00	16.50	16.00	16.50
	Mean =				0.0	0.0	0.0	11.5	0.0	15.25	14.13	14.00	14.50
11	COUNTER	20 G	6.0 oz/1000 row-ft	111	0.0	0.0	0.0	12.0	0.0	11.00	11.50	13.50	11.00
	POSTEMERGENCE			208	0.0	0.0	0.0	11.0	0.0	15.00	12.00	12.00	13.00
	SANDEA	75 DF	0.67 oz/a	309	0.0	0.0	0.0	12.0	0.0	14.00	13.00	16.00	14.00
				407	0.0	0.0	0.0	11.0	0.0	14.00	17.00	15.00	15.00
	Mean =				0.0	0.0	0.0	11.5	0.0	13.50	13.38	14.13	13.25

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PRE/POST SANDEA IN FIELD CORN
WITH/WITHOUT COUNTER INFR-YEAR 2

Trial ID: CN-04-23 Study Dir.: S.TAYLOR/J. HAND/K. BROWN
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	-----	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama	Zeama					
Crop Code		Stunting	Stunting	Chlorosis	#/5ft	Stunting	Ht1	Ht2	Ht3	Ht4					
Rating Data Type		%	%	%		%	In	In	In	In					
Rating Unit															
Rating Date		Apr-12-23	Apr-18-23	Apr-18-23	Apr-18-23	Apr-26-23	May-5-23	May-5-23	May-5-23	May-5-23					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Plot	1	2	3	4	5	6	7	8	9
12	COUNTER	20 G		6.0 oz/1000	row-ft	112	0.0	0.0	0.0	10.0	0.0	14.50	14.00	11.50	12.00
	POSTEMERGENCE					207	0.0	0.0	0.0	12.0	0.0	13.00	14.00	13.00	15.50
	SANDEA	75 DG		1.34 oz/a		310	0.0	0.0	0.0	12.0	0.0	13.00	13.00	14.00	13.00
						411	0.0	0.0	0.0	12.0	0.0	16.00	14.00	12.00	15.00
						Mean =	0.0	0.0	0.0	11.5	0.0	14.13	13.75	12.63	13.88

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PRE/POST SANDEA IN FIELD CORN
WITH/WITHOUT COUNTER INFR-YEAR 2
Trial ID: CN-04-23 Study Dir.: S.TAYLOR/J. HAND/K. BROWN
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code				Zeama	ZEAMA	Zeama	Zeama	-----	-----		
Crop Code				Ht5	HGT-AVG	Stunting	Chlorosis	ZEAMA	ZEAMA		
Rating Data Type				In	IN	%	%	YIELD	YIELD		
Rating Unit				May-5-23	May-5-23	May-18-23	May-18-23	LBS/PLOT	BU/A		
Rating Date								Sep-6-23	Sep-6-23		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Plot	10	11	12	13	14	15
1	NO COUNTER				101	13.00	14.1	0.0	0.0	43.0	225
	PREEMERGENCE				206	16.50	17.1	0.0	0.0	42.0	219
	NO SANDEA				305	14.00	14.0	0.0	0.0	39.0	204
					404	12.00	15.1	0.0	0.0	44.0	230
	Mean =					13.88	15.1	0.0	0.0	42.0	219
2	NO COUNTER				102	9.50	8.1	30.0	20.0	38.0	198
	PREEMERGENCE				205	11.50	11.1	30.0	15.0	36.0	188
	SANDEA	75 DF		0.67 oz/a	306	7.50	8.8	30.0	20.0	37.0	193
					403	10.00	10.7	30.0	10.0	42.0	219
	Mean =					9.63	9.7	30.0	16.3	38.3	200
3	NO COUNTER				103	7.50	7.6	40.0	20.0	35.0	183
	PREEMERGENCE				204	9.50	8.8	40.0	20.0	34.0	178
	SANDEA	75 DG		1.34 oz/a	301	7.50	6.8	50.0	20.0	40.0	209
					402	6.50	7.8	45.0	20.0	36.0	188
	Mean =					7.75	7.8	43.8	20.0	36.3	189
4	NO COUNTER				104	13.00	13.8	0.0	0.0	35.0	183
	POSTEMERGENCE				203	15.00	14.6	0.0	0.0	45.0	235
	NO SANDEA				302	15.00	14.3	0.0	0.0	42.0	219
					401	14.00	13.4	0.0	0.0	42.0	219
	Mean =					14.25	14.0	0.0	0.0	41.0	214
5	NO COUNTER				105	14.50	14.9	0.0	0.0	39.0	204
	POSTEMERGENCE				202	13.00	12.0	10.0	10.0	41.0	214
	SANDEA	75 DF		0.67 oz/a	303	11.50	12.0	0.0	0.0	40.0	209
					406	15.50	15.1	5.0	0.0	45.0	235
	Mean =					13.63	13.5	3.8	2.5	41.3	215
6	NO COUNTER				106	14.00	12.7	0.0	0.0	43.0	225
	POSTEMERGENCE				201	15.00	14.3	0.0	10.0	44.0	230
	SANDEA	75 DG		1.34 oz/a	304	9.00	8.1	30.0	15.0	40.0	209
					405	13.50	14.3	10.0	15.0	42.0	219
	Mean =					12.88	12.4	10.0	10.0	42.3	221
7	COUNTER	20 G		6.0 oz/1000 row-ft	107	15.50	15.8	0.0	0.0	46.0	240
	PREEMERGENCE				212	12.00	13.2	0.0	0.0	40.0	209
	NO SANDEA				311	16.00	15.7	0.0	0.0	44.0	230
					410	16.00	16.3	0.0	0.0	47.0	245
	Mean =					14.88	15.3	0.0	0.0	44.3	231
8	COUNTER	20 G		6.0 oz/1000 row-ft	108	13.00	11.0	35.0	20.0	39.0	204
	PREEMERGENCE				211	9.00	9.7	40.0	15.0	31.0	162
	SANDEA	75 DF		0.67 oz/a	312	9.50	8.5	30.0	20.0	38.0	198
					409	10.00	9.7	35.0	10.0	43.0	225
	Mean =					10.38	9.7	35.0	16.3	37.8	197
9	COUNTER	20 G		6.0 oz/1000 row-ft	109	7.00	8.2	40.0	20.0	34.0	178
	PREEMERGENCE				210	7.00	7.0	45.0	20.0	22.0	115
	SANDEA	75 DG		1.34 oz/a	307	8.00	8.8	55.0	20.0	30.0	157
					408	8.00	7.2	50.0	20.0	38.0	198
	Mean =					7.50	7.8	47.5	20.0	31.0	162
10	COUNTER	20 G		6.0 oz/1000 row-ft	110	13.50	12.7	0.0	0.0	39.0	204
	POSTEMERGENCE				209	14.50	14.4	0.0	0.0	43.0	225
	NO SANDEA				308	15.00	14.6	0.0	0.0	44.0	230
					412	16.00	16.4	0.0	0.0	49.0	256
	Mean =					14.75	14.5	0.0	0.0	43.8	228
11	COUNTER	20 G		6.0 oz/1000 row-ft	111	12.00	11.8	10.0	5.0	41.0	214
	POSTEMERGENCE				208	13.00	13.0	10.0	10.0	40.0	209
	SANDEA	75 DF		0.67 oz/a	309	15.00	14.4	0.0	0.0	46.0	240
					407	16.00	15.4	0.0	0.0	46.0	240
	Mean =					14.00	13.7	5.0	3.8	43.3	226

University of Georgia

PRE/POST SANDEA IN FIELD CORN
WITH/WITHOUT COUNTER INFR-YEAR 2

Trial ID: CN-04-23 Study Dir.: S.TAYLOR/J. HAND/K. BROWN
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code												
Crop Code		Zeama	ZEAMA	Zeama	Zeama	ZEAMA	ZEAMA					
Rating Data Type		Ht5	HGT-AVG	Stunting	Chlorosis	YIELD	YIELD					
Rating Unit		In	IN	%	%	LBS/PLOT	BU/A					
Rating Date		May-5-23	May-5-23	May-18-23	May-18-23	Sep-6-23	Sep-6-23					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Plot	10	11	12	13	14	15
12	COUNTER	20 G		6.0 oz/1000 row-ft		112	12.50	12.9	0.0	0.0	41.0	214
	POSTEMERGENCE					207	15.00	14.1	15.0	10.0	39.0	204
	SANDEA	75 DG		1.34 oz/a		310	13.00	13.2	5.0	0.0	39.0	204
						411	15.00	14.4	10.0	0.0	41.0	214
						Mean =	13.88	13.7	7.5	2.5	40.0	209

University of Georgia

PRE/POST SANDEA IN FIELD CORN
WITH/WITHOUT COUNTER INFR-YEAR 2
Trial ID: CN-04-23 Study Dir.: S.TAYLOR/J. HAND/K. BROWN
Location: PONDER FARM Investigator: Eric P. Prostko

Rating Unit
% = PERCENT
In = INCH
ARM Action Codes
T1 = ([6]+[7]+[8]+[9]+[10])/5
TY2 = 5.22100169*[14]