

University of Georgia

WEED CONTROL IN LL CORN WITH RESTRAINT/SHIELDDEX
AND ROUNDUP + LIBERTY

Trial ID: CN-15-23 Study Dir.: JON FORBIS/JAY TURNER
Location: PONDER FARM Investigator: Eric P. Prostko

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep			
											1	2	3	4
1	NTC									-	101	206	302	401
2	RESTRAINT	6.498	EC	30.0	oz/a	PRE	A	15 GPA	23.44 mL/mx	1451.6 mL	102	201	305	406
	AATREX	4	L	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx					
	SHIELDDEX	3.33	SC	1.35	oz/a	POST2	C	15 GAL/AC	1.055 mL/mx					
	AATREX	4	L	32.0	oz/a	POST2	C	15 GAL/AC	25.0 mL/mx					
	AGRIDEX			1.0	% v/v	POST2	C	15 GAL/AC	15.0 mL/mx					
3	RESTRAINT	6.498	EC	30.0	oz/a	PRE	A	15 GPA	23.44 mL/mx	1451.6 mL	103	205	306	402
	AATREX	4	L	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx					
	SHIELDDEX	3.33	SC	1.35	oz/a	POST2	C	15 GAL/AC	1.055 mL/mx					
	AATREX	4	L	32.0	oz/a	POST2	C	15 GAL/AC	25.0 mL/mx					
	ROUNDUP PMAX3	5.88	SL	22.0	oz/a	POST2	C	15 GAL/AC	17.19 mL/mx					
4	ROUNDUP PMAX3	5.88	SL	22.0	oz/a	POST1	B	15 GAL/AC	17.19 mL/mx	1415.6 mL	104	202	301	404
	LIBERTY	2.34	SL	22.0	oz/a	POST1	B	15 GAL/AC	17.19 mL/mx					
	AATREX	4	L	64.0	oz/a	POST1	B	15 GAL/AC	50.0 mL/mx					
5	ROUNDUP PMAX3	5.88	SL	22.0	oz/a	POST1	B	15 GAL/AC	17.19 mL/mx	1440.6 mL	105	204	303	405
	LIBERTY	2.34	SL	22.0	oz/a	POST1	B	15 GAL/AC	17.19 mL/mx					
	PROWL H20	3.33	SC	32.0	oz/a	POST1	B	15 GAL/AC	25.0 mL/mx					
6	HALEX GT	4.38	CS	58.0	oz/a	POST1	B	15 GAL/AC	45.31 mL/mx	1400.9 mL	106	203	304	403
	AATREX	4	L	64.0	oz/a	POST1	B	15 GAL/AC	50.0 mL/mx					
	INDUCE			0.25	% v/v	POST1	B	15 GAL/AC	3.75 mL/mx					

Sort Order: Replicate 1

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AND ROUNDUP + LIBERTY

Trial ID: CN-15-23 Study Dir.: JON FORBIS/JAY TURNER
Location: PONDER FARM Investigator: Eric P. Prostko

Trial Comments

RESTRAINT = ACETOCHLOR (6.404 LBS/GAL) + TOLPYRALATE (0.094 LBS/GAL) + DICHLORMID (SAFENER)
HALEX GT = S-METOLACHLOR (2.09 LBS/GAL) + GLYPHOSATE (2.09 LBS/GAL) + MESOTRIONE (0.209 LBS/GAL)

HARVEST DATE: 09/05/23
HARVEST MOISTURE: 15.45%
YIELDS ADJUSTED TO 15.5%

PLOT 205 MISSING DATA DUE TO SPRAYER MALFUNCTION

MISSING YIELD DATA IN OTHER PLOTS DUE TO LODGING FROM HURRICANE IDALIA (08/3023).

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

SUMMARY:

- 1) PRE APPLICATIONS OF RESTRAINT + AATREX CAUSED LITTLE CORN INJURY (<7%) AND PROVIDED EXCELLENT CONTROL (>95%) OF WILD RADISH, PALMER AMARANTH, AND ANNUAL GRASSES.
- 2) WHEN SHIELDEX + AATREX FOLLOWED A PRE APPLICATION OF RESTRAINT + AATREX, THERE WAS NO WEED CONTROL BENEFIT WHEN ROUNDUP WAS INCLUDED IN THE MIX.
- 3) RESTRAINT + AATREX (PRE) FB SHEILDEX + AATREX (POST2) TREATMENTS PROVIDED WEED CONTROL EQUIVALENT TO HALEX GT + AATREX STANDARD TREATMENT.
- 3) ROUNDUP + LIBERTY + PROWL DID NOT PROVIDE ACCEPTABLE CONTROL OF WILD RADISH (<65%).
- 4) LATE- SEASON (AUGUST 16) GRASS CONTROL AND TOTAL WEED COVER WAS LOWEST WITH THE POST1 APPLICATION OF ROUNDUP + LIBERTY + AATREX (64% GRASS CONTROL, 44% WEED COVER).
- 5) NO DIFFERENCES IN CORN YIELD WERE OBSERVED (P=0.2567).

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GENERAL TRIAL INFORMATION

Study Director: JON FORBIS **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.	AMAPA	PA	MER AMARANTH
2.	AGRASS	TX	PAN/CRAB/CR/GOOSE
3.	RAPRA	WI	LD RADISH

Crop 1: ZEAMA FIELD CORN **Variety:** PIONEER 2042VYHR
Planting Date: Mar-22-23 **Planting Method:** MONOSEM VACUUM
Rate: 33800 SEED/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:** RACOBL

Trial Initiation Comments: _____

	Previous Crops	Previous Pesticides	Year
1.	PEANUT		2022

MAINTENANCE

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

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

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WEED CONTROL IN LL CORN WITH RESTRAINT/SHIELDDEX AND ROUNDUP + LIBERTY
 Trial ID: CN-15-23 Study Dir.: JON FORBIS/JAY TURNER
 Location: PONDER FARM Investigator: Eric P. Prostko

SOIL DESCRIPTION

% Sand: 94 % OM: 0.61 Texture: SAND
 % Silt: 4 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-14-23		0.11	IN	RAINFALL		
2.	Apr-19-23		0.5	IN	SPRINKLER - LATERAL MOVE	4	HR
3.	Apr-25-23		0.25	IN	SPRINKLER - LATERAL MOVE		
4.	Apr-27-23		1.0	IN	RAINFALL		
5.	Apr-29-23		0.65	IN	RAINFALL		
6.	May-11-23		0.5	IN	SPRINKLER - LATERAL MOVE		
7.	May-12-23		2.5	IN	RAINFALL		
8.	May-19-23		0.5	IN	SPRINKLER - LATERAL MOVE		
9.	May-20-23		0.1	IN	RAINFALL		
10.	May-22-23		0.75	IN	RAINFALL		

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

APPLICATION DESCRIPTION

	A	B	C
Application Date:	Mar-23-23	Apr-12-23	Apr-19-23
Time of Day:	8:00 AM	8:00 AM	7:45 AM
Application Method:	BACKPACK	BACKPACK	BACKPACK
Application Timing:	PRE	POST1	POST2
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE
Air Temp., Unit:	56 F	53 F	51 F
% Relative Humidity:	94	81	85
Wind Velocity, Unit:	1 MPH	2 MPH	0 MPH
Dew Presence (Y/N):	N	Y	Y
Water Hardness:	--	--	--
Soil Temp., Unit:	60 F	60 F	62 F
Soil Moisture:	OPTIMUM	OPTIMUM	OPTIMUM
% Cloud Cover:	5	10	0

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMA,	ZEAMA,	ZEAMA,
Stage Scale:		V3-V4	V5
Height, Unit:		5, IN	9, IN

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WEED STAGE AT EACH APPLICATION			
	A	B	C
Weed 1 Code, Stage:	AMAPA,	AMAPA,	AMAPA,
Stage Scale:		0.5-1"	
Density, Unit:			
Weed 2 Code, Stage:	AGRAS,	AGRAS,	AGRAS,
Stage Scale:		1-2"	1-2"
Density, Unit:			
Weed 3 Code, Stage:	RAPRA,	RAPRA,	RAPRA,
Stage Scale:		2-3"	1-2"
Density, Unit:			

APPLICATION EQUIPMENT			
	A	B	C
Appl. Equipment:	BACKPACK	SAME AS A	SAME AS A
Operating Pressure:	38		
Nozzle Type:	AIXR		
Nozzle Size:	11002		
Nozzle Spacing, Unit:	20 IN		
Nozzles/Row:			
Band Width, Unit:			
Boom Length, Unit:	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							-----	RAPRA	AGRASS		RAPRA	AMAPA	AGRASS		Zeama	Zeama	Rapra		
Crop Code							Zeama	-----	-----	Zeama	RAPRA				Zeama	Zeama			
Part Rated																			
Rating Data Type							Stunting	Control	Control	Stunting	Control	Control	Control	Stunting	Bleaching	Control			
Rating Unit							%	%	%	%	%	%	%	%	%	%	%		
Rating Date							Apr-4-23	Apr-4-23	Apr-4-23	Apr-11-23	Apr-11-23	Apr-11-23	Apr-11-23	Apr-18-23	Apr-18-23	Apr-18-23			
Trt	Treatment	Form	Form	Rate	Grow	Appl	1	2	3	4	5	6	7	8	9	10			
No.	Name	Conc	Type	Rate	Stg	Code													
1	NTC						0.0 -	0.0 b	0.0 b	0.0 -	0.0 b	0.0 b	0.0 b	0.0 -	0.0 b	0.0 c			
2	RESTRAINT	6.498	EC	30.0 oz/a	PRE	A	0.0 -	99.0 a	99.0 a	2.5 -	99.0 a	99.0 a	99.0 a	2.5 -	0.0 b	99.0 a			
	AATREX	4 L		32.0 oz/a	PRE	A													
	SHIELDDEX	3.33	SC	1.35 oz/a	POST2	C													
	AATREX	4 L		32.0 oz/a	POST2	C													
	AGRIDEX			1.0 % v/v	POST2	C													
3	RESTRAINT	6.498	EC	30.0 oz/a	PRE	A	0.0 -	99.0 a	99.0 a	5.0 -	99.0 a	99.0 a	99.0 a	6.7 -	0.0 b	99.0 a			
	AATREX	4 L		32.0 oz/a	PRE	A													
	SHIELDDEX	3.33	SC	1.35 oz/a	POST2	C													
	AATREX	4 L		32.0 oz/a	POST2	C													
	ROUNDUP PMAX3	5.88	SL	22.0 oz/a	POST2	C													
4	ROUNDUP PMAX3	5.88	SL	22.0 oz/a	POST1	B	0.0 -	0.0 b	0.0 b	0.0 -	0.0 b	0.0 b	0.0 b	10.0 -	0.0 b	99.0 a			
	LIBERTY	2.34	SL	22.0 oz/a	POST1	B													
	AATREX	4 L		64.0 oz/a	POST1	B													
5	ROUNDUP PMAX3	5.88	SL	22.0 oz/a	POST1	B	0.0 -	0.0 b	0.0 b	0.0 -	0.0 b	0.0 b	0.0 b	8.8 -	0.0 b	27.5 b			
	LIBERTY	2.34	SL	22.0 oz/a	POST1	B													
	PROWL H20	3.33	SC	32.0 oz/a	POST1	B													
6	HALEX GT	4.38	CS	58.0 oz/a	POST1	B	0.0 -	0.0 b	0.0 b	0.0 -	0.0 b	0.0 b	0.0 b	6.3 -	5.0 a	99.0 a			
	AATREX	4 L		64.0 oz/a	POST1	B													
	INDUCE			0.25 % v/v	POST1	B													
	LSD P=.10									3.66				6.61		2.63			
	Standard Deviation						0.00	0.00	0.00	2.94	0.00	0.00	0.00	5.31	0.00	2.11			
	CV						0.0	0.0	0.0	235.03	0.0	0.0	0.0	93.21	0.0	2.99			
	Grand Mean						0.00	33.00	33.00	1.25	33.00	33.00	33.00	5.69	0.83	70.58			

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30
 Could not calculate LSD (% mean diff) for columns 1,2,3,5,6,7,9,11,12,16,17 because error mean square = 0.
 ^Calculated from residual.

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Trial ID: CN-15-23 Study Dir.: JON FORBIS/JAY TURNER
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code							Amapa	Agrass	Zeama	Zeama	Rapra	Amapa	Agrass	Zeama	Rapra	
Crop Code							Control	Control	Stunting	Bleaching	Control	Control	Control	Control	Stunting	Control
Part Rated							%	%	%	%	%	%	%	%	%	%
Rating Data Type							Apr-18-23	Apr-18-23	Apr-27-23	Apr-27-23	Apr-27-23	Apr-27-23	Apr-27-23	Apr-27-23	May-10-23	May-10-23
Rating Unit																
Rating Date																
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Stg	Appl Code	11	12	13	14	15	16	17	18	19	
1	NTC						0.0 b	0.0 b	0.0 -	0.0 b	0.0 c	0.0 b	0.0 b	0.0 -	0.0 c	
2	RESTRAINT	6.498	EC	30.0	oz/a	PRE A	99.0 a	99.0 a	0.0 -	5.0 a	99.0 a	99.0 a	99.0 a	3.8 -	98.3 a	
	AATREX	4 L		32.0	oz/a	PRE A										
	SHIELDDEX	3.33	SC	1.35	oz/a	POST2 C										
	AATREX	4 L		32.0	oz/a	POST2 C										
	AGRIDEX			1.0	% v/v	POST2 C										
3	RESTRAINT	6.498	EC	30.0	oz/a	PRE A	99.0 a	99.0 a	3.3 -	5.0 a	99.0 a	99.0 a	99.0 a	10.0 -	99.0 a	
	AATREX	4 L		32.0	oz/a	PRE A										
	SHIELDDEX	3.33	SC	1.35	oz/a	POST2 C										
	AATREX	4 L		32.0	oz/a	POST2 C										
	ROUNDUP PMAX3	5.88	SL	22.0	oz/a	POST2 C										
4	ROUNDUP PMAX3	5.88	SL	22.0	oz/a	POST1 B	99.0 a	99.0 a	5.0 -	0.0 b	99.0 a	99.0 a	99.0 a	10.0 -	97.0 a	
	LIBERTY	2.34	SL	22.0	oz/a	POST1 B										
	AATREX	4 L		64.0	oz/a	POST1 B										
5	ROUNDUP PMAX3	5.88	SL	22.0	oz/a	POST1 B	99.0 a	99.0 a	5.0 -	0.0 b	44.8 b	99.0 a	99.0 a	2.5 -	62.5 b	
	LIBERTY	2.34	SL	22.0	oz/a	POST1 B										
	PROWL H20	3.33	SC	32.0	oz/a	POST1 B										
6	HALEX GT	4.38	CS	58.0	oz/a	POST1 B	99.0 a	99.0 a	0.0 -	0.0 b	99.0 a	99.0 a	99.0 a	7.5 -	99.0 a	
	AATREX	4 L		64.0	oz/a	POST1 B										
	INDUCE			0.25	% v/v	POST1 B										
LSD P=.10							.	.	4.54	3.04	21.47	.	.	7.05	5.96	
Standard Deviation							0.00	0.00	3.65	2.44	17.24	0.00	0.00	5.66	4.78	
CV							0.0	0.0	164.07	146.39	23.46	0.0	0.0	100.67	6.3	
Grand Mean							82.50	82.50	2.22	1.67	73.46	82.50	82.50	5.63	75.96	

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

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

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30

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Weed Code							Amapa	Agrass	Zeama	Amapa	Rapra	Agrass	Amapa	Agrass	TOTAL WEED	
Crop Code							Control %	Control %	Stunting %	Control %	Control %	Control %	Control %	Control %	Cover %	
Part Rated							May-10-23	May-10-23	May-30-23	May-30-23	May-30-23	May-30-23	Aug-16-23	Aug-16-23	Aug-16-23	
Rating Data Type																
Rating Unit																
Rating Date																
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	20	21	22	23	24	25	26	27	28	
1	NTC						0.0 b	0.0 c	0.0 b	0.0 c	0.0 c	0.0 c	0.0 c	0.0 d	97.5 a	
2	RESTRAINT	6.498	EC	30.0 oz/a	PRE	A	98.0 a	98.0 a	2.5 ab	99.0 a	98.0 a	94.8 a	99.0 a	77.5 bc	25.0 c	
	AATREX	4 L		32.0 oz/a	PRE	A										
	SHIELDDEX	3.33	SC	1.35 oz/a	POST2	C										
	AATREX	4 L		32.0 oz/a	POST2	C										
	AGRINDEX			1.0 % v/v	POST2	C										
3	RESTRAINT	6.498	EC	30.0 oz/a	PRE	A	99.0 a	99.0 a	0.0 b	99.0 a	99.0 a	93.3 a	97.7 ab	80.0 ab	20.0 c	
	AATREX	4 L		32.0 oz/a	PRE	A										
	SHIELDDEX	3.33	SC	1.35 oz/a	POST2	C										
	AATREX	4 L		32.0 oz/a	POST2	C										
	ROUNDUP PMAX3	5.88	SL	22.0 oz/a	POST2	C										
4	ROUNDUP PMAX3	5.88	SL	22.0 oz/a	POST1	B	96.8 a	96.0 b	3.8 a	89.8 b	94.5 a	81.3 b	89.5 b	63.8 c	43.8 b	
	LIBERTY	2.34	SL	22.0 oz/a	POST1	B										
	AATREX	4 L		64.0 oz/a	POST1	B										
5	ROUNDUP PMAX3	5.88	SL	22.0 oz/a	POST1	B	99.0 a	98.0 a	5.0 a	99.0 a	37.5 b	95.0 a	98.0 ab	93.8 a	11.3 c	
	LIBERTY	2.34	SL	22.0 oz/a	POST1	B										
	PROWL H20	3.33	SC	32.0 oz/a	POST1	B										
6	HALEX GT	4.38	CS	58.0 oz/a	POST1	B	99.0 a	99.0 a	3.8 a	99.0 a	99.0 a	96.0 a	99.0 a	92.3 ab	21.3 c	
	AATREX	4 L		64.0 oz/a	POST1	B										
	INDUCE			0.25 % v/v	POST1	B										
LSD P=.10							2.66	1.94	3.40	4.62	8.43	5.53	8.91	15.28	17.36	
Standard Deviation							2.13	1.56	2.73	3.71	6.76	4.44	7.16	12.27	13.94	
CV							2.6	1.91	109.11	4.58	9.48	5.79	8.89	18.08	38.23	
Grand Mean							81.96	81.67	2.50	80.96	71.33	76.72	80.53	67.88	36.46	

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

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^Calculated from residual.

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							-----	-----
							ZEAMA	ZEAMA
							PLOT, -	PLOT, -
							YIELD	YIELD
							LBS/PLOT	BU/A
							Sep-5-23	Sep-5-23
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code		
1	NTC						41.8 -	219 -
2	RESTRAINT	6.498	EC	30.0 oz/a	PRE	A	48.0 -	252 -
	AATREX	4 L		32.0 oz/a	PRE	A		
	SHIELDDEX	3.33	SC	1.35 oz/a	POST2	C		
	AATREX	4 L		32.0 oz/a	POST2	C		
	AGRIDEX			1.0 % v/v	POST2	C		
3	RESTRAINT	6.498	EC	30.0 oz/a	PRE	A	47.7 -	250 -
	AATREX	4 L		32.0 oz/a	PRE	A		
	SHIELDDEX	3.33	SC	1.35 oz/a	POST2	C		
	AATREX	4 L		32.0 oz/a	POST2	C		
	ROUNDUP PMAX3	5.88	SL	22.0 oz/a	POST2	C		
4	ROUNDUP PMAX3	5.88	SL	22.0 oz/a	POST1	B	47.8 -	251 -
	LIBERTY	2.34	SL	22.0 oz/a	POST1	B		
	AATREX	4 L		64.0 oz/a	POST1	B		
5	ROUNDUP PMAX3	5.88	SL	22.0 oz/a	POST1	B	44.5 -	233 -
	LIBERTY	2.34	SL	22.0 oz/a	POST1	B		
	PROWL H20	3.33	SC	32.0 oz/a	POST1	B		
6	HALEX GT	4.38	CS	58.0 oz/a	POST1	B	47.0 -	247 -
	AATREX	4 L		64.0 oz/a	POST1	B		
	INDUCE			0.25 % v/v	POST1	B		
LSD P=.10							5.11	26.8
Standard Deviation							4.02	21.1
CV							8.73	8.73
Grand Mean							46.11	241.9

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

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

Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30

Could not calculate LSD (% mean diff) for columns 1,2,3,5,6,7,9,11,12,16,17 because error mean square = 0.

^Calculated from residual.

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WEED CONTROL IN LL CORN WITH RESTRAINT/SHIELDX AND ROUNDUP + LIBERTY Trial ID: CN-15-23 Study Dir.: JON FORBIS/JAY TURNER Location: PONDER FARM Investigator: Eric P. Prostko					
Randomized Complete Block (RCB) AOV For ----- Zeama Stunting % Apr-4-23 (Data Column 1)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	0.000000000000			
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000
Treatment	5	0.000000000000	0.000000000000	0.000	1.0000
Error	14	0.000000000000	0.000000000000		
Randomized Complete Block (RCB) AOV For RAPRA ----- Control % Apr-4-23 (Data Column 2)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	52272.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	5	52272.000000	10454.400000	0.000	1.0000
Error	14	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For AGRASS ----- Control % Apr-4-23 (Data Column 3)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	52272.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	5	52272.000000	10454.400000	0.000	1.0000
Error	14	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For Zeama Stunting % Apr-11-23 (Data Column 4)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	212.500000			
Replicate	3	4.166667	1.388889	0.161	0.9209
Treatment	5	87.500000	17.500000	2.028	0.1367
Error	14	120.833333	8.630952		
Randomized Complete Block (RCB) AOV For RAPRA Control % Apr-11-23 (Data Column 5)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	52272.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	5	52272.000000	10454.400000	0.000	1.0000
Error	14	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For AMAPA Control % Apr-11-23 (Data Column 6)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	52272.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	5	52272.000000	10454.400000	0.000	1.0000
Error	14	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For AGRASS Control % Apr-11-23 (Data Column 7)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	52272.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	5	52272.000000	10454.400000	0.000	1.0000
Error	14	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For Zeama Stunting % Apr-18-23 (Data Column 8)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	716.203704			
Replicate	3	34.722222	11.574074	0.411	0.7478
Treatment	5	287.037037	57.407407	2.038	0.1352
Error	14	394.444444	28.174603		
Randomized Complete Block (RCB) AOV For Zeama Bleaching % Apr-18-23 (Data Column 9)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	83.333333			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	5	83.333333	16.666667	0.000	1.0000
Error	14	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For Rapra Control % Apr-18-23 (Data Column 10)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	40347.833333			
Replicate	3	12.500000	4.166667	0.933	0.4506
Treatment	5	40272.833333	8054.566667	1804.223	0.0001
Error	14	62.500000	4.464286		

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WEED CONTROL IN LL CORN WITH RESTRAINT/SHIELDDEX AND ROUNDUP + LIBERTY Trial ID: CN-15-23 Study Dir.: JON FORBIS/JAY TURNER Location: PONDER FARM Investigator: Eric P. Prostko					
Randomized Complete Block (RCB) AOV For Amapa Control % Apr-18-23 (Data Column 11)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	32670.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	5	32670.000000	6534.000000	0.000	1.0000
Error	14	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For Agrass Control % Apr-18-23 (Data Column 12)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	32670.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	5	32670.000000	6534.000000	0.000	1.0000
Error	14	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For Zeama Stunting % Apr-27-23 (Data Column 13)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	342.592593			
Replicate	3	30.555556	10.185185	0.766	0.5317
Treatment	5	125.925926	25.185185	1.895	0.1591
Error	14	186.111111	13.293651		
Randomized Complete Block (RCB) AOV For Zeama Bleaching % Apr-27-23 (Data Column 14)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	233.333333			
Replicate	3	16.666667	5.555556	0.933	0.4506
Treatment	5	133.333333	26.666667	4.480	0.0120
Error	14	83.333333	5.952381		
Randomized Complete Block (RCB) AOV For Rapra Control % Apr-27-23 (Data Column 15)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	40309.958333			
Replicate	3	831.791667	277.263889	0.933	0.4506
Treatment	5	35319.208333	7063.841667	23.778	0.0001
Error	14	4158.958333	297.068452		
Randomized Complete Block (RCB) AOV For Amapa Control % Apr-27-23 (Data Column 16)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	32670.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	5	32670.000000	6534.000000	0.000	1.0000
Error	14	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For Agrass Control % Apr-27-23 (Data Column 17)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	32670.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	5	32670.000000	6534.000000	0.000	1.0000
Error	14	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For Zeama Stunting % May-10-23 (Data Column 18)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	815.625000			
Replicate	3	19.791667	6.597222	0.206	0.8907
Treatment	5	346.875000	69.375000	2.163	0.1173
Error	14	448.958333	32.068452		
Randomized Complete Block (RCB) AOV For Rapra Control % May-10-23 (Data Column 19)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	32156.958333			
Replicate	3	27.458333	9.152778	0.400	0.7551
Treatment	5	31809.208333	6361.841667	278.077	0.0001
Error	14	320.291667	22.877976		
Randomized Complete Block (RCB) AOV For Amapa Control % May-10-23 (Data Column 20)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	32330.958333			
Replicate	3	9.125000	3.041667	0.669	0.5848
Treatment	5	32258.208333	6451.641667	1419.615	0.0001
Error	14	63.625000	4.544643		

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WEED CONTROL IN LL CORN WITH RESTRAINT/SHIELDDEX
AND ROUNDUP + LIBERTY

Trial ID: CN-15-23 Study Dir.: JON FORBIS/JAY TURNER
Location: PONDER FARM Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For Agrass Control % May-10-23 (Data Column 21)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	32073.333333			
Replicate	3	2.000000	0.666667	0.275	0.8428
Treatment	5	32037.333333	6407.466667	2638.369	0.0001
Error	14	34.000000	2.428571		

Randomized Complete Block (RCB) AOV For Zeama Stunting % May-30-23 (Data Column 22)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	350.000000			
Replicate	3	158.333333	52.777778	7.093	0.0039
Treatment	5	87.500000	17.500000	2.352	0.0952
Error	14	104.166667	7.440476		

Randomized Complete Block (RCB) AOV For Amapa Control % May-30-23 (Data Column 23)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	31964.958333			
Replicate	3	38.458333	12.819444	0.933	0.4506
Treatment	5	31734.208333	6346.841667	462.089	0.0001
Error	14	192.291667	13.735119		

Randomized Complete Block (RCB) AOV For Rapra Control % May-30-23 (Data Column 24)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	36865.333333			
Replicate	3	177.333333	59.111111	1.292	0.3160
Treatment	5	36047.333333	7209.466667	157.543	0.0001
Error	14	640.666667	45.761905		

Randomized Complete Block (RCB) AOV For Agrass Control % May-30-23 (Data Column 25)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	29241.925926			
Replicate	3	112.111111	37.370370	1.895	0.1768
Treatment	5	28853.759259	5770.751852	292.660	0.0001
Error	14	276.055556	19.718254		

Randomized Complete Block (RCB) AOV For Amapa Control % Aug-16-23 (Data Column 26)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	32220.425926			
Replicate	3	116.500000	38.833333	0.758	0.5360
Treatment	5	31386.759259	6277.351852	122.542	0.0001
Error	14	717.166667	51.226190		

Randomized Complete Block (RCB) AOV For Agrass Control % Aug-16-23 (Data Column 27)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	27832.625000			
Replicate	3	1215.125000	405.041667	2.690	0.0864
Treatment	5	24509.375000	4901.875000	32.553	0.0001
Error	14	2108.125000	150.580357		

Randomized Complete Block (RCB) AOV For TOTAL WEED Cover % Aug-16-23 (Data Column 28)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	22	23523.958333			
Replicate	3	611.458333	203.819444	1.049	0.4016
Treatment	5	20192.708333	4038.541667	20.788	0.0001
Error	14	2719.791667	194.270833		

Randomized Complete Block (RCB) AOV For ----- ZEAMA PLOT YIELD LBS/PLOT Sep-5-23 (Data Column 29)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	19	398.981481			
Replicate	3	96.527778	32.175926	1.987	0.1745
Treatment	5	124.314815	24.862963	1.535	0.2567
Error	11	178.138889	16.194444		

Randomized Complete Block (RCB) AOV For ----- ZEAMA PLOT YIELD BU/A Sep-5-23 (Data Column 30)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	19	10984.713163			
Replicate	3	2657.591894	885.863965	1.987	0.1745
Treatment	5	3422.621465	684.524293	1.535	0.2567
Error	11	4904.499804	445.863619		

Rating Unit
% = PERCENT
ARM Action Codes
TY1 = 5.24708369*[29]

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WEED CONTROL IN LL CORN WITH RESTRAINT/SHIELDX
AND ROUNDUP + LIBERTY

Trial ID: CN-15-23 Study Dir.: JON FORBIS/JAY TURNER
Location: PONDER FARM Investigator: Eric P. Prostko

							---- Zeama	RAPRA ----	AGRASS ----	Zeama	RAPRA	AMAPA	AGRASS	Zeama	Zeama		
							Stunting %	Control %	Control %	Stunting %	Control %	Control %	Control %	Stunting %	Bleaching %		
							Apr-4-23	Apr-4-23	Apr-4-23	Apr-11-23	Apr-11-23	Apr-11-23	Apr-11-23	Apr-18-23	Apr-18-23		
Trt	Treatment	Form	Form	Rate	Grow	Appl											
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6	7	8	9
1	NTC							101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								206	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								401	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	RESTRAINT	6.498	EC	30.0	oz/a	PRE	A	102	0.0	99.0	99.0	0.0	99.0	99.0	99.0	0.0	0.0
	AATREX	4	L	32.0	oz/a	PRE	A	201	0.0	99.0	99.0	0.0	99.0	99.0	99.0	0.0	0.0
	SHIELDX	3.33	SC	1.35	oz/a	POST2	C	305	0.0	99.0	99.0	0.0	99.0	99.0	99.0	0.0	0.0
	AATREX	4	L	32.0	oz/a	POST2	C	406	0.0	99.0	99.0	10.0	99.0	99.0	99.0	10.0	0.0
	AGRIDEX			1.0	% v/v	POST2	C										
								Mean =	0.0	99.0	99.0	2.5	99.0	99.0	99.0	2.5	0.0
3	RESTRAINT	6.498	EC	30.0	oz/a	PRE	A	103	0.0	99.0	99.0	10.0	99.0	99.0	99.0	15.0	0.0
	AATREX	4	L	32.0	oz/a	PRE	A	205	0.0	99.0	99.0	0.0	99.0	99.0	99.0	0.0	0.0
	SHIELDX	3.33	SC	1.35	oz/a	POST2	C	306	0.0	99.0	99.0	5.0	99.0	99.0	99.0	0.0	0.0
	AATREX	4	L	32.0	oz/a	POST2	C	402	0.0	99.0	99.0	0.0	99.0	99.0	99.0	5.0	0.0
	ROUNDUP PMAX3	5.88	SL	22.0	oz/a	POST2	C										
								Mean =	0.0	99.0	99.0	5.0	99.0	99.0	99.0	6.7	0.0
4	ROUNDUP PMAX3	5.88	SL	22.0	oz/a	POST1	B	104	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
	LIBERTY	2.34	SL	22.0	oz/a	POST1	B	202	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
	AATREX	4	L	64.0	oz/a	POST1	B	301	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
								404	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
5	ROUNDUP PMAX3	5.88	SL	22.0	oz/a	POST1	B	105	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LIBERTY	2.34	SL	22.0	oz/a	POST1	B	204	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
	PROWL H20	3.33	SC	32.0	oz/a	POST1	B	303	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0
								405	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0
6	HALEX GT	4.38	CS	58.0	oz/a	POST1	B	106	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
	AATREX	4	L	64.0	oz/a	POST1	B	203	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	5.0
	INDUCE			0.25	% v/v	POST1	B	304	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	5.0
								403	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	5.0

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WEED CONTROL IN LL CORN WITH RESTRAINT/SHIELDX
AND ROUNDUP + LIBERTY

Trial ID: CN-15-23 Study Dir.: JON FORBIS/JAY TURNER
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code							Rapra	Amapa	Agrass	Zeama		Rapra	Amapa	Agrass	Zeama	
Crop Code							Control %	Control %	Control %	Stunting %	Bleaching %	Control %	Control %	Control %	Stunting %	
Part Rated							Apr-18-23	Apr-18-23	Apr-18-23	Apr-27-23	Apr-27-23	Apr-27-23	Apr-27-23	Apr-27-23	Apr-27-23	May-10-23
Rating Data Type																
Rating Unit																
Rating Date																
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code Plot	10	11	12	13	14	15	16	17	18	
1	NTC					101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						206	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						401	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	RESTRAINT	6.498	EC	30.0 oz/a	PRE	A 102	99.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0	0.0	
	AATREX	4	L	32.0 oz/a	PRE	A 201	99.0	99.0	99.0	0.0	10.0	99.0	99.0	99.0	10.0	
	SHIELDX	3.33	SC	1.35 oz/a	POST2	C 305	99.0	99.0	99.0	0.0	5.0	99.0	99.0	99.0	0.0	
	AATREX	4	L	32.0 oz/a	POST2	C 406	99.0	99.0	99.0	0.0	5.0	99.0	99.0	99.0	5.0	
	AGRIDEX			1.0 % v/v	POST2	C										
						Mean =	99.0	99.0	99.0	0.0	5.0	99.0	99.0	99.0	3.8	
3	RESTRAINT	6.498	EC	30.0 oz/a	PRE	A 103	99.0	99.0	99.0	10.0	5.0	99.0	99.0	99.0	15.0	
	AATREX	4	L	32.0 oz/a	PRE	A 205										
	SHIELDX	3.33	SC	1.35 oz/a	POST2	C 306	99.0	99.0	99.0	0.0	10.0	99.0	99.0	99.0	5.0	
	AATREX	4	L	32.0 oz/a	POST2	C 402	99.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0	10.0	
	ROUNDUP PMAX3	5.88	SL	22.0 oz/a	POST2	C										
						Mean =	99.0	99.0	99.0	3.3	5.0	99.0	99.0	99.0	10.0	
4	ROUNDUP PMAX3	5.88	SL	22.0 oz/a	POST1	B 104	99.0	99.0	99.0	10.0	0.0	99.0	99.0	99.0	20.0	
	LIBERTY	2.34	SL	22.0 oz/a	POST1	B 202	99.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0	10.0	
	AATREX	4	L	64.0 oz/a	POST1	B 301	99.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0	0.0	
						404	99.0	99.0	99.0	10.0	0.0	99.0	99.0	99.0	10.0	
						Mean =	99.0	99.0	99.0	5.0	0.0	99.0	99.0	99.0	10.0	
5	ROUNDUP PMAX3	5.88	SL	22.0 oz/a	POST1	B 105	20.0	99.0	99.0	0.0	0.0	0.0	99.0	99.0	0.0	
	LIBERTY	2.34	SL	22.0 oz/a	POST1	B 204	30.0	99.0	99.0	5.0	0.0	40.0	99.0	99.0	0.0	
	PROWL H20	3.33	SC	32.0 oz/a	POST1	B 303	30.0	99.0	99.0	5.0	0.0	40.0	99.0	99.0	10.0	
						405	30.0	99.0	99.0	10.0	0.0	99.0	99.0	99.0	0.0	
						Mean =	27.5	99.0	99.0	5.0	0.0	44.8	99.0	99.0	2.5	
6	HALEX GT	4.38	CS	58.0 oz/a	POST1	B 106	99.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0	0.0	
	AATREX	4	L	64.0 oz/a	POST1	B 203	99.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0	10.0	
	INDUCE			0.25 % v/v	POST1	B 304	99.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0	10.0	
						403	99.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0	10.0	
						Mean =	99.0	99.0	99.0	0.0	0.0	99.0	99.0	99.0	7.5	

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WEED CONTROL IN LL CORN WITH RESTRAINT/SHIELDDEX
AND ROUNDUP + LIBERTY

Trial ID: CN-15-23 Study Dir.: JON FORBIS/JAY TURNER
Location: PONDER FARM Investigator: Eric P. Prostko

							Rapra	Amapa	Agrass	Zeama	Amapa	Rapra	Agrass	Amapa	
							Control %	Control %	Control %	Stunting %	Control %	Control %	Control %	Control %	Control %
							May-10-23	May-10-23	May-10-23	May-30-23	May-30-23	May-30-23	May-30-23	May-30-23	Aug-16-23
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Plot							
1	NTC						101		0.0	0.0	0.0	0.0	0.0	0.0	0.0
							206		0.0	0.0	0.0	0.0	0.0	0.0	0.0
							302		0.0	0.0	0.0	0.0	0.0	0.0	0.0
							401		0.0	0.0	0.0	0.0	0.0	0.0	0.0
							Mean =		0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	RESTRAINT	6.498	EC	30.0	oz/a	PRE	A	102	99.0	99.0	99.0	0.0	99.0	99.0	99.0
	AATREX	4	L	32.0	oz/a	PRE	A	201	99.0	95.0	99.0	0.0	99.0	95.0	99.0
	SHIELDDEX	3.33	SC	1.35	oz/a	POST2	C	305	99.0	99.0	95.0	0.0	99.0	99.0	99.0
	AATREX	4	L	32.0	oz/a	POST2	C	406	96.0	99.0	99.0	10.0	99.0	99.0	99.0
	AGRIDEX			1.0	% v/v	POST2	C								
							Mean =		98.3	98.0	98.0	2.5	99.0	98.0	94.8
3	RESTRAINT	6.498	EC	30.0	oz/a	PRE	A	103	99.0	99.0	99.0	0.0	99.0	99.0	95.0
	AATREX	4	L	32.0	oz/a	PRE	A	205							
	SHIELDDEX	3.33	SC	1.35	oz/a	POST2	C	306	99.0	99.0	99.0	0.0	99.0	99.0	95.0
	AATREX	4	L	32.0	oz/a	POST2	C	402	99.0	99.0	99.0	0.0	99.0	99.0	90.0
	ROUNDUP PMAX3	5.88	SL	22.0	oz/a	POST2	C								
							Mean =		99.0	99.0	99.0	0.0	99.0	99.0	93.3
4	ROUNDUP PMAX3	5.88	SL	22.0	oz/a	POST1	B	104	99.0	99.0	95.0	0.0	95.0	99.0	90.0
	LIBERTY	2.34	SL	22.0	oz/a	POST1	B	202	95.0	99.0	95.0	5.0	85.0	85.0	90.0
	AATREX	4	L	64.0	oz/a	POST1	B	301	99.0	99.0	99.0	0.0	99.0	95.0	75.0
							404		95.0	90.0	95.0	10.0	80.0	99.0	70.0
							Mean =		97.0	96.8	96.0	3.8	89.8	94.5	81.3
5	ROUNDUP PMAX3	5.88	SL	22.0	oz/a	POST1	B	105	50.0	99.0	99.0	0.0	99.0	20.0	95.0
	LIBERTY	2.34	SL	22.0	oz/a	POST1	B	204	65.0	99.0	95.0	5.0	99.0	30.0	95.0
	PROWL H20	3.33	SC	32.0	oz/a	POST1	B	303	60.0	99.0	99.0	5.0	99.0	50.0	95.0
							405		75.0	99.0	99.0	10.0	99.0	50.0	95.0
							Mean =		62.5	99.0	98.0	5.0	99.0	37.5	95.0
6	HALEX GT	4.38	CS	58.0	oz/a	POST1	B	106	99.0	99.0	99.0	0.0	99.0	99.0	99.0
	AATREX	4	L	64.0	oz/a	POST1	B	203	99.0	99.0	99.0	5.0	99.0	99.0	95.0
	INDUCE			0.25	% v/v	POST1	B	304	99.0	99.0	99.0	0.0	99.0	99.0	95.0
							403		99.0	99.0	99.0	10.0	99.0	99.0	95.0
							Mean =		99.0	99.0	99.0	3.8	99.0	99.0	96.0

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WEED CONTROL IN LL CORN WITH RESTRAINT/SHIELDDEX
AND ROUNDUP + LIBERTY

Trial ID: CN-15-23 Study Dir.: JON FORBIS/JAY TURNER
Location: PONDER FARM Investigator: Eric P. Prostko

							Agrass	TOTAL WEED	-----	-----
							Control %	Cover %	ZEAMA PLOT, - YIELD LBS/PLOT	ZEAMA PLOT, - YIELD BU/A
							Aug-16-23	Aug-16-23	Sep-5-23	Sep-5-23
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg Code Plot				
1	NTC					101	0.0	100.0	37.0	194
						206	0.0	100.0	40.0	210
						302	0.0	95.0	46.0	241
						401	0.0	95.0	44.0	231
						Mean =	0.0	97.5	41.8	219
2	RESTRAINT	6.498	EC	30.0	oz/a	PRE A 102	90.0	15.0	.	.
	AATREX	4	L	32.0	oz/a	PRE A 201	65.0	50.0	50.0	262
	SHIELDDEX	3.33	SC	1.35	oz/a	POST2 C 305	65.0	25.0	53.0	278
	AATREX	4	L	32.0	oz/a	POST2 C 406	90.0	10.0	41.0	215
	AGRIDEX			1.0	% v/v	POST2 C				
						Mean =	77.5	25.0	48.0	252
3	RESTRAINT	6.498	EC	30.0	oz/a	PRE A 103	95.0	10.0	44.0	231
	AATREX	4	L	32.0	oz/a	PRE A 205
	SHIELDDEX	3.33	SC	1.35	oz/a	POST2 C 306	85.0	10.0	52.0	273
	AATREX	4	L	32.0	oz/a	POST2 C 402	60.0	40.0	47.0	247
	ROUNDUP PMAX3	5.88	SL	22.0	oz/a	POST2 C				
						Mean =	80.0	20.0	47.7	250
4	ROUNDUP PMAX3	5.88	SL	22.0	oz/a	POST1 B 104	95.0	20.0	50.0	262
	LIBERTY	2.34	SL	22.0	oz/a	POST1 B 202	65.0	40.0	42.0	220
	AATREX	4	L	64.0	oz/a	POST1 B 301	60.0	40.0	52.0	273
						404	35.0	75.0	47.0	247
						Mean =	63.8	43.8	47.8	251
5	ROUNDUP PMAX3	5.88	SL	22.0	oz/a	POST1 B 105	95.0	10.0	48.0	252
	LIBERTY	2.34	SL	22.0	oz/a	POST1 B 204	95.0	10.0	.	.
	PROWL H20	3.33	SC	32.0	oz/a	POST1 B 303	95.0	10.0	.	.
						405	90.0	15.0	41.0	215
						Mean =	93.8	11.3	44.5	233
6	HALEX GT	4.38	CS	58.0	oz/a	POST1 B 106	99.0	30.0	49.0	257
	AATREX	4	L	64.0	oz/a	POST1 B 203	95.0	15.0	42.0	220
	INDUCE			0.25	% v/v	POST1 B 304	95.0	15.0	49.0	257
						403	80.0	25.0	48.0	252
						Mean =	92.3	21.3	47.0	247

University of Georgia

WEED CONTROL IN LL CORN WITH RESTRAINT/SHIELDX
AND ROUNDUP + LIBERTY
Trial ID: CN-15-23 Study Dir.: JON FORBIS/JAY TURNER
Location: PONDER FARM Investigator: Eric P. Prostko

Rating Unit
% = PERCENT
ARM Action Codes
TY1 = 5.24708369*[29]