

University of Georgia

IMPACT AND TANK-MIXES FOR WEED CONTROL IN FIELD CORN				
Trial ID:	CN-06-22	Study Dir.:	WEN CARTER	
Location:	PONDER FARM	Investigator:	Eric P. Prostko	

Reps: 3 Plots: 6 by 25 feet
 Appl. Amount: 15 GAL/AC Mix Size: 1.5 L (total for 3 plots; minimum=0.5866 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3
1	NTC							-	101	208	310
2	IMPACT AGRIDEX	2.8	SC	1.25 oz/a 1.0 % v/v	POST A POST A		0.9766 mL/mx 15.0 mL/mx	1484.0 mL	102	212	309
3	IMPACT AATREX AGRIDEX	2.8 4 L	SC	1.25 oz/a 32.0 oz/a 1.0 % v/v	POST A POST A POST A		0.9766 mL/mx 25.0 mL/mx 15.0 mL/mx	1459.0 mL	103	206	312
4	IMPACT AATREX AGRIDEX	2.8 4 L	SC	1.25 oz/a 48.0 oz/a 1.0 % v/v	POST A POST A POST A		0.9766 mL/mx 37.5 mL/mx 15.0 mL/mx	1446.5 mL	104	209	311
5	IMPACT AATREX AGRIDEX	2.8 4 L	SC	1.25 oz/a 64.0 oz/a 1.0 % v/v	POST A POST A POST A		0.9766 mL/mx 50.0 mL/mx 15.0 mL/mx	1434.0 mL	105	210	303
6	IMPACT AATREX DUAL MAGNUM AGRIDEX	2.8 4 L 7.62	SC L EC	1.25 oz/a 32.0 oz/a 16.0 oz/a 1.0 % v/v	POST A POST A POST A POST A		0.9766 mL/mx 25.0 mL/mx 12.5 mL/mx 15.0 mL/mx	1446.5 mL	106	211	301
7	IMPACT AATREX WARRANT AGRIDEX	2.8 4 L 3	SC L ME	1.25 oz/a 32.0 oz/a 48.0 oz/a 1.0 % v/v	POST A POST A POST A POST A		0.9766 mL/mx 25.0 mL/mx 37.5 mL/mx 15.0 mL/mx	1421.5 mL	107	202	306
8	IMPACT AATREX OUTLOOK AGRIDEX	2.8 4 L 6	SC L EC	1.25 oz/a 32.0 oz/a 12.8 oz/a 1.0 % v/v	POST A POST A POST A POST A		0.9766 mL/mx 25.0 mL/mx 10.0 mL/mx 15.0 mL/mx	1449.0 mL	108	201	308
9	IMPACT AATREX ZIDUA AGRIDEX	2.8 4 L 4.17	SC L SC	1.25 oz/a 32.0 oz/a 2.5 oz/a 1.0 % v/v	POST A POST A POST A POST A		0.9766 mL/mx 25.0 mL/mx 1.953 mL/mx 15.0 mL/mx	1457.1 mL	109	205	302
10	IMPACT AATREX PROWL H20 AGRIDEX	2.8 4 L 3.8	SC L SC	1.25 oz/a 32.0 oz/a 32.0 oz/a 1.0 % v/v	POST A POST A POST A POST A		0.9766 mL/mx 25.0 mL/mx 25.0 mL/mx 15.0 mL/mx	1434.0 mL	110	204	305
11	IMPACT AATREX ANTHEM FLEX AGRIDEX	2.8 4 L 4.0	SC L SC	1.25 oz/a 32.0 oz/a 3.0 oz/a 1.0 % v/v	POST A POST A POST A POST A		0.9766 mL/mx 25.0 mL/mx 2.344 mL/mx 15.0 mL/mx	1456.7 mL	111	207	304
12	ACURON GT AATREX INDUCE	4.295 4 L	ZC L	60.0 oz/a 32.0 oz/a 0.25 % v/v	POST A POST A POST A		46.87 mL/mx 25.0 mL/mx 3.75 mL/mx	1424.4 mL	112	203	307

Sort Order: Treatment

Trial Comments

ANTHEM FLEX = PYROXASULFONE (3.733 LB AI/AGAL) + CARFENTRAZONE (0.267 LBS AI/GAL)

ACURON GT = S-METOLACHLOR (2 LBS AI/GAL) + GLYPHOSATE (2.0 LBS AI/GAL) + MESOTRIONE (0.20 LBS AI/GAL) + BICYCLOPYRONE (0.095 LBS AI/GAL)

HARVEST DATE:08/31/22

HARVEST MOISTURE: 16.63

YIELDS ADJUSTED TO 15.5%

MISSING YIELD DATA IN PLOTS 111/311 DUE TO EARLY SEASON NITROGEN DAMAGE

SUMMARY:

University of Georgia

IMPACT AND TANK-MIXES FOR WEED CONTROL IN FIELD CORN

Trial ID:	CN-06-22	Study Dir.:	WEN CARTER
Location:	PONDER FARM	Investigator:	Eric P. Prostko

1) ON APRIL 28 (8 DAT), THE FOLLOWING OBSERVATIONS WERE MADE:

A) ADDITIONS OF ATRAZINE AND DUAL, WARRANT, OUTLOOK, ZIDUA, PROWL, AND ANTHEM FLEX WITH IMPACT INCREASED CORN INJURY WHEN COMPARED TO IMPACT ALONE

B) ALL TREATMENTS PROVIDED AT LEAST 94% CONTROL OF ALL WEEDS PRESENT.

2) ON MAY 5 (15 DAT), CORN STUNTING WAS LESS THAN 10% BUT BLEACHING WAS STILL EVIDENT WITH IMPACT TANK-MIXTURES. PALMER AMARANTH CONTROL WAS EXCELLENT (99%) WITH ALL TREATMENTS. GRASS CONTROL WAS STARTING TO SLIP.

3) CORN INJURY WAS MINIMAL (<7%) BY MAY 19 (29 DAT).

4) ON JUNE 13 (54 DAT), PALMER AMARANTH CONTROL WAS AT LEAST 95% WITH ALL TREATMENTS. GRASS CONTROL WAS AT LEAST 80% EXCEPT FOR THE FOLLOWING TREATMENTS:

A) IMPACT + ATRAZINE - 73-78% CONTROL

B) IMPACT + ATRAZINE + DUAL MAGNUM - 73% CONTROL

5) ALL HERBICIDE TREATMENTS RESULTED IN CORN YIELD GREATER THAN THE NTC. GENERALLY, YIELDS BETWEEN HERBICIDE TREATMENTS WERE EQUIVALENT EXCEPT FOR THE FOLLOWING:

A) IMPACT + ATRAZINE + PROWL AND IMPACT + ATRAZINE + WARRANT HAD HIGHER YIELDS THAN IMPACT ALONE AND IMPACT + ATRAZINE.

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IMPACT AND TANK-MIXES FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-06-22 Study Dir.: WEN CARTER
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: WEN CARTER

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 INSECT DESCRIPTION

Insect	Code	Common Name	Scientific Name
1.	AMAPA	PA	LMER AMARANTH
2.	RAPRA	WI	LD RADISH
3.	AGRASS	TX	PANICUM/GOOSE/CRAB/CROWFOOT
4.	MOLVE	CA	RPETWEED
5.	SPEAR	CO	RN SPURRY

Crop 1: ZEAMA FIELD CORN

Variety: DKC-6895

Planting Date: Mar-28-22

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: 3

Site Type: _____

Tillage Type: CONVENTIONAL

Study Design: RACOB

Trial Initiation Comments: _____

	Previous Crops	Previous Pesticides	Year
1.	PEANUT		2021

MAINTENANCE

Field Prep./Maintenance: 1.5 TONS/A LIME-PREPLANT (03/16/22)

700 LBS/A 5-15-30-PREPLANT (03/28/22)

131-0-0-16 SIDEDRESS ON 04/21/22 AND 05/02/22

AXILO BMZ @ 2 LBS/A ON 04/26/22 (HELENA MICRONUTRIENTS)

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Trial ID: CN-06-22 Study Dir.: WEN CARTER
 Location: PONDER FARM Investigator: Eric P. Prostko

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

SOIL DESCRIPTION

% Sand: 96 % OM: 0.82 Texture: SAND
 % Silt: 2 pH: 6.0 Soil Name: TIFTON
 % Clay: 2 CEC: 2.9 Fert. Level: _____

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Mar-29-22		0.4	IN	SPRINKLER - LATERAL MOVE		
2.	Mar-31-22		1.65	IN	RAINFALL		
3.	Apr-5-22		1.36	IN	RAINFALL		
4.	Apr-6-22		0.43	IN	RAINFALL		
5.	Apr-17-22		0.16	IN	RAINFALL		
6.	Apr-18-22		0.53	IN	RAINFALL		
7.	Apr-27-22		0.3	IN	SPRINKLER - LATERAL MOVE		
8.	Apr-28-22		0.5	IN	SPRINKLER - LATERAL MOVE		
9.	May-2-22		0.5	IN	SPRINKLER - LATERAL MOVE		
10.	May-3-22		0.3	IN	SPRINKLER - LATERAL MOVE		
11.	May-5-22		0.3	IN	SPRINKLER - LATERAL MOVE		
12.	May-6-22		0.45	IN	RAINFALL		
13.	May-10-22		0.38	IN	SPRINKLER - LATERAL MOVE		
14.	May-12-22		0.4	IN	SPRINKLER - LATERAL MOVE		
15.	May-16-22		0.5	IN	SPRINKLER - LATERAL MOVE		
16.	May-24-22		0.5	IN	SPRINKLER - LATERAL MOVE		
17.	May-24-22		1.8	IN	SPRINKLER - LATERAL MOVE		
18.	Jun-1-22		0.6	IN	SPRINKLER - LATERAL MOVE		
19.	Jun-7-22		0.5	IN	SPRINKLER - LATERAL MOVE		

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____ Unit: _____

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Trial ID: CN-06-22 Study Dir.: WEN CARTER
 Location: PONDER FARM Investigator: Eric P. Prostko

APPLICATION DESCRIPTION

	A
Application Date:	Apr-20-22
Time of Day:	7:57 AM
Application Method:	BROADCAST
Application Timing:	POST
Applic. Placement:	FOLIAGE
Air Temp., Unit:	46 F
% Relative Humidity:	84
Wind Velocity, Unit:	2 MPH
Dew Presence (Y/N):	Y
Water Hardness:	--
Soil Temp., Unit:	50 F
Soil Moisture:	OPTIMUM
% Cloud Cover:	0

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	ZEAMA,
Stage Scale:	V4
Height, Unit:	7, IN

INSECT STAGE AT EACH APPLICATION

	A
Insect 1 Code, Stage:	AMAPA,
Infestation Level:	1-2"
Infestation Unit:	
Insect 2 Code, Stage:	RAPRA,
Infestation Level:	1-3"
Infestation Unit:	
Insect 3 Code, Stage:	AGRASS,
Infestation Level:	1-3"
Infestation Unit:	
Insect 4 Code, Stage:	MOLVE,
Infestation Level:	
Infestation Unit:	
Insect 5 Code, Stage:	SPEAR,
Infestation Level:	1-3"
Infestation Unit:	

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Trial ID: CN-06-22 Study Dir.: WEN CARTER
Location: PONDER FARM Investigator: Eric P. Prostko

APPLICATION EQUIPMENT

	A
Appl. Equipment:	BACKPACK
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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Trial ID:		CN-06-22		Study Dir.:		WEN CARTER						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Insect Code							Zeama	Zeama	Zeama	Amapa	Rapra	Agrass
Crop Code												
Part Rated												
Rating Data Type												
Rating Unit												
Rating Date							Stunting %	Bleaching %	Necrosis %	Control %	Control %	Control %
							Apr-28-22	Apr-28-22	Apr-28-22	Apr-28-22	Apr-28-22	Apr-28-22
Trt	Treatment	Form	Form	Rate	Grow	Appl	1	2	3	4	5	6
No.	Name	Conc	Type	Rate	Unit	Stg	Code					
1	NTC							0.0 c	0.0 d	0.0 b	0.0 c	0.0 c
2	IMPACT	2.8	SC	1.25 oz/a	POST A			0.0 c	0.0 d	0.0 b	97.7 b	96.0 b
	AGRIDEX			1.0 % v/v	POST A							96.3 ab
3	IMPACT	2.8	SC	1.25 oz/a	POST A			6.7 ab	13.3 b	0.0 b	99.0 a	99.0 a
	AATREX	4	L	32.0 oz/a	POST A							96.0 ab
	AGRIDEX			1.0 % v/v	POST A							
4	IMPACT	2.8	SC	1.25 oz/a	POST A			6.7 ab	13.3 b	0.0 b	99.0 a	99.0 a
	AATREX	4	L	48.0 oz/a	POST A							96.3 ab
	AGRIDEX			1.0 % v/v	POST A							
5	IMPACT	2.8	SC	1.25 oz/a	POST A			10.0 a	15.0 b	0.0 b	99.0 a	99.0 a
	AATREX	4	L	64.0 oz/a	POST A							96.0 ab
	AGRIDEX			1.0 % v/v	POST A							
6	IMPACT	2.8	SC	1.25 oz/a	POST A			11.7 a	21.7 a	0.0 b	99.0 a	99.0 a
	AATREX	4	L	32.0 oz/a	POST A							96.0 ab
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST A							
	AGRIDEX			1.0 % v/v	POST A							
7	IMPACT	2.8	SC	1.25 oz/a	POST A			8.3 ab	6.7 c	0.0 b	99.0 a	99.0 a
	AATREX	4	L	32.0 oz/a	POST A							94.7 b
	WARRANT	3	ME	48.0 oz/a	POST A							
	AGRIDEX			1.0 % v/v	POST A							
8	IMPACT	2.8	SC	1.25 oz/a	POST A			10.0 a	23.3 a	0.0 b	99.0 a	99.0 a
	AATREX	4	L	32.0 oz/a	POST A							94.7 b
	OUTLOOK	6	EC	12.8 oz/a	POST A							
	AGRIDEX			1.0 % v/v	POST A							
9	IMPACT	2.8	SC	1.25 oz/a	POST A			10.0 a	15.0 b	0.0 b	99.0 a	99.0 a
	AATREX	4	L	32.0 oz/a	POST A							99.0 a
	ZIDUA	4.17	SC	2.5 oz/a	POST A							
	AGRIDEX			1.0 % v/v	POST A							
10	IMPACT	2.8	SC	1.25 oz/a	POST A			10.0 a	15.0 b	0.0 b	99.0 a	99.0 a
	AATREX	4	L	32.0 oz/a	POST A							99.0 a
	PROWL H2O	3.8	SC	32.0 oz/a	POST A							
	AGRIDEX			1.0 % v/v	POST A							
11	IMPACT	2.8	SC	1.25 oz/a	POST A			10.0 a	5.0 cd	13.3 a	99.0 a	99.0 a
	AATREX	4	L	32.0 oz/a	POST A							99.0 a
	ANTHEM FLEX	4.0	SC	3.0 oz/a	POST A							
	AGRIDEX			1.0 % v/v	POST A							
12	ACURON GT	4.295	ZC	60.0 oz/a	POST A			3.3 bc	5.0 cd	0.0 b	99.0 a	99.0 a
	AATREX	4	L	32.0 oz/a	POST A							
	INDUCE			0.25 % v/v	POST A							
LSD P=.10							5.09	5.81	1.17	0.93	2.10	4.18
Standard Deviation							3.63	4.14	0.83	0.67	1.50	2.98
CV							50.29	37.29	75.0	0.74	1.66	3.35
Grand Mean							7.22	11.11	1.11	90.64	90.50	88.83
Bartlett's X2^							19.258	26.316	40.623	40.623	40.623	12.346
P(Bartlett's X2)							0.057	0.006*	0.00*	0.00*	0.00*	0.338

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=19,20

Could not calculate LSD (% mean diff) for columns 8,11,12 because error mean square = 0.

^Calculated from residual.

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Trial ID:		CN-06-22		Study Dir.:		WEN CARTER							
Location:		PONDER FARM		Investigator:		Eric P. Prostko							
Insect Code							Molve	Spear	Zeama	Zeama	Zeama	Amapa	Agrass
Crop Code													
Part Rated													
Rating Data Type							Control	Control	Stunting	Bleaching	Necrosis	Control	Control
Rating Unit							%	%	%	%	%	%	%
Rating Date							Apr-28-22	Apr-28-22	May-5-22	May-5-22	May-5-22	May-5-22	May-5-22
Trt	Treatment	Form	Form	Rate	Grow	Appl	7	8	9	10	11	12	13
No.	Name	Conc	Type	Rate Unit	Stg	Code							
1	NTC						0.0 c	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 c
2	IMPACT AGRIDEX	2.8 SC		1.25 oz/a POST A 1.0 % v/v POST A			96.3 b	99.0 a	0.0 b	1.7 b	0.0 b	99.0 a	91.7 ab
3	IMPACT AATREX AGRIDEX	2.8 SC 4 L		1.25 oz/a POST A 32.0 oz/a POST A 1.0 % v/v POST A			99.0 a	99.0 a	1.7 ab	11.7 a	0.0 b	99.0 a	91.3 ab
4	IMPACT AATREX AGRIDEX	2.8 SC 4 L		1.25 oz/a POST A 48.0 oz/a POST A 1.0 % v/v POST A			99.0 a	99.0 a	1.7 ab	11.7 a	0.0 b	99.0 a	91.7 ab
5	IMPACT AATREX AGRIDEX	2.8 SC 4 L		1.25 oz/a POST A 64.0 oz/a POST A 1.0 % v/v POST A			99.0 a	99.0 a	0.0 b	13.3 a	0.0 b	99.0 a	89.7 b
6	IMPACT AATREX DUAL MAGNUM AGRIDEX	2.8 SC 4 L 7.62 EC		1.25 oz/a POST A 32.0 oz/a POST A 16.0 oz/a POST A 1.0 % v/v POST A			99.0 a	99.0 a	6.7 a	13.3 a	0.0 b	99.0 a	90.0 b
7	IMPACT AATREX WARRANT AGRIDEX	2.8 SC 4 L 3 ME		1.25 oz/a POST A 32.0 oz/a POST A 48.0 oz/a POST A 1.0 % v/v POST A			99.0 a	99.0 a	1.7 ab	10.0 a	0.0 b	99.0 a	94.7 ab
8	IMPACT AATREX OUTLOOK AGRIDEX	2.8 SC 4 L 6 EC		1.25 oz/a POST A 32.0 oz/a POST A 12.8 oz/a POST A 1.0 % v/v POST A			99.0 a	99.0 a	6.7 a	11.7 a	0.0 b	99.0 a	93.0 ab
9	IMPACT AATREX ZIDUA AGRIDEX	2.8 SC 4 L 4.17 SC		1.25 oz/a POST A 32.0 oz/a POST A 2.5 oz/a POST A 1.0 % v/v POST A			99.0 a	99.0 a	5.0 ab	10.0 a	0.0 b	99.0 a	97.7 ab
10	IMPACT AATREX PROWL H2O AGRIDEX	2.8 SC 4 L 3.8 SC		1.25 oz/a POST A 32.0 oz/a POST A 32.0 oz/a POST A 1.0 % v/v POST A			99.0 a	99.0 a	0.0 b	13.3 a	0.0 b	99.0 a	96.3 ab
11	IMPACT AATREX ANTHEM FLEX AGRIDEX	2.8 SC 4 L 4.0 SC		1.25 oz/a POST A 32.0 oz/a POST A 3.0 oz/a POST A 1.0 % v/v POST A			99.0 a	99.0 a	6.7 a	11.7 a	5.0 a	99.0 a	96.0 ab
12	ACURON GT AATREX INDUCE	4.295 ZC 4 L		60.0 oz/a POST A 32.0 oz/a POST A 0.25 % v/v POST A			99.0 a	99.0 a	0.0 b	3.3 b	0.0 b	99.0 a	99.0 a
LSD P=.10							0.93	.	5.03	3.54	.	.	8.26
Standard Deviation							0.67	0.00	3.59	2.53	0.00	0.00	5.89
CV							0.74	0.0	143.55	27.14	0.0	0.0	6.86
Grand Mean							90.53	90.75	2.50	9.31	0.42	90.75	85.92
Bartlett's X2^							40.623	.	20.411	10.28	.	.	14.217
P(Bartlett's X2)							0.00*	.	0.04*	0.505	.	.	0.221

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=19,20

Could not calculate LSD (% mean diff) for columns 8,11,12 because error mean square = 0.

^Calculated from residual.

University of Georgia

IMPACT AND TANK-MIXES FOR WEED CONTROL IN FIELD CORN												
Trial ID:		CN-06-22		Study Dir.:		WEN CARTER						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Insect Code							Zeama Plant, - Stunting % May-19-22	Amapa Control % May-19-22	Agrass Control % May-19-22	Amapa Control % Jun-13-22	Agrass Control % Jun-13-22	----- ZEAMA PLOT, - YIELD LBS/PLOT Aug-31-22
Crop Code												
Part Rated												
Rating Data Type												
Rating Unit												
Rating Date												
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	14	15	16	17	18	19
1	NTC						0.0 a	0.0 c	0.0 d	0.0 c	0.0 d	30.3 c
2	IMPACT AGRIDEX	2.8 SC		1.25 oz/a POST A 1.0 % v/v POST A			1.7 a	93.0 b	88.3 bc	95.0 b	78.3 bc	38.0 b
3	IMPACT AATREX AGRIDEX	2.8 SC 4 L		1.25 oz/a POST A 32.0 oz/a POST A 1.0 % v/v POST A			6.7 a	99.0 a	89.7 abc	100.0 a	83.3 abc	37.0 b
4	IMPACT AATREX AGRIDEX	2.8 SC 4 L		1.25 oz/a POST A 48.0 oz/a POST A 1.0 % v/v POST A			0.0 a	99.0 a	85.0 bc	100.0 a	73.3 c	38.3 ab
5	IMPACT AATREX AGRIDEX	2.8 SC 4 L		1.25 oz/a POST A 64.0 oz/a POST A 1.0 % v/v POST A			0.0 a	99.0 a	84.7 c	100.0 a	78.3 bc	42.0 ab
6	IMPACT AATREX DUAL MAGNUM AGRIDEX	2.8 SC 4 L 7.62 EC		1.25 oz/a POST A 32.0 oz/a POST A 16.0 oz/a POST A 1.0 % v/v POST A			5.0 a	99.0 a	83.3 c	100.0 a	73.3 c	38.3 ab
7	IMPACT AATREX WARRANT AGRIDEX	2.8 SC 4 L 3 ME		1.25 oz/a POST A 32.0 oz/a POST A 48.0 oz/a POST A 1.0 % v/v POST A			3.3 a	99.0 a	91.3 abc	100.0 a	80.0 bc	44.0 a
8	IMPACT AATREX OUTLOOK AGRIDEX	2.8 SC 4 L 6 EC		1.25 oz/a POST A 32.0 oz/a POST A 12.8 oz/a POST A 1.0 % v/v POST A			6.7 a	99.0 a	88.3 bc	100.0 a	81.7 bc	42.3 ab
9	IMPACT AATREX ZIDUA AGRIDEX	2.8 SC 4 L 4.17 SC		1.25 oz/a POST A 32.0 oz/a POST A 2.5 oz/a POST A 1.0 % v/v POST A			5.0 a	99.0 a	94.7 ab	100.0 a	90.0 ab	41.0 ab
10	IMPACT AATREX PROWL H2O AGRIDEX	2.8 SC 4 L 3.8 SC		1.25 oz/a POST A 32.0 oz/a POST A 32.0 oz/a POST A 1.0 % v/v POST A			1.7 a	99.0 a	93.0 abc	98.3 a	83.3 abc	44.0 a
11	IMPACT AATREX ANTHEM FLEX AGRIDEX	2.8 SC 4 L 4.0 SC		1.25 oz/a POST A 32.0 oz/a POST A 3.0 oz/a POST A 1.0 % v/v POST A			1.7 a	99.0 a	93.0 abc	100.0 a	83.3 abc	41.7 ab
12	ACURON GT AATREX INDUCE	4.295 ZC 4 L		60.0 oz/a POST A 32.0 oz/a POST A 0.25 % v/v POST A			0.0 a	99.0 a	99.0 a	100.0 a	96.7 a	42.7 ab
LSD P=.10							5.71	2.10	9.98	2.42	14.68	5.79
Standard Deviation							4.07	1.50	7.12	1.72	10.47	4.12
CV							154.41	1.66	8.62	1.89	13.93	10.31
Grand Mean							2.64	90.25	82.53	91.11	75.14	39.97
Bartlett's X2^							10.277	40.623	12.094	59.568	7.464	.
P(Bartlett's X2)							0.506	0.00*	0.357	0.00*	0.76	.

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=19,20

Could not calculate LSD (% mean diff) for columns 8,11,12 because error mean square = 0.

^Calculated from residual.

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IMPACT AND TANK-MIXES FOR WEED CONTROL IN FIELD CORN							
Trial ID: CN-06-22		Study Dir.: WEN CARTER					
Location: PONDER FARM		Investigator: Eric P. Prostko					
Insect Code				-----			
Crop Code				ZEAMA			
Part Rated				PLOT, -			
Rating Data Type				YIELD			
Rating Unit				BU/A			
Rating Date				Aug-31-22			
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	20
1	NTC						155.2 c
2	IMPACT	2.8	SC	1.25 oz/a	POST A		194.4 b
	AGRIDEX			1.0 % v/v	POST A		
3	IMPACT	2.8	SC	1.25 oz/a	POST A		189.3 b
	AATREX	4	L	32.0 oz/a	POST A		
	AGRIDEX			1.0 % v/v	POST A		
4	IMPACT	2.8	SC	1.25 oz/a	POST A		196.1 ab
	AATREX	4	L	48.0 oz/a	POST A		
	AGRIDEX			1.0 % v/v	POST A		
5	IMPACT	2.8	SC	1.25 oz/a	POST A		214.9 ab
	AATREX	4	L	64.0 oz/a	POST A		
	AGRIDEX			1.0 % v/v	POST A		
6	IMPACT	2.8	SC	1.25 oz/a	POST A		196.1 ab
	AATREX	4	L	32.0 oz/a	POST A		
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST A		
	AGRIDEX			1.0 % v/v	POST A		
7	IMPACT	2.8	SC	1.25 oz/a	POST A		225.1 a
	AATREX	4	L	32.0 oz/a	POST A		
	WARRANT	3	ME	48.0 oz/a	POST A		
	AGRIDEX			1.0 % v/v	POST A		
8	IMPACT	2.8	SC	1.25 oz/a	POST A		216.6 ab
	AATREX	4	L	32.0 oz/a	POST A		
	OUTLOOK	6	EC	12.8 oz/a	POST A		
	AGRIDEX			1.0 % v/v	POST A		
9	IMPACT	2.8	SC	1.25 oz/a	POST A		209.8 ab
	AATREX	4	L	32.0 oz/a	POST A		
	ZIDUA	4.17	SC	2.5 oz/a	POST A		
	AGRIDEX			1.0 % v/v	POST A		
10	IMPACT	2.8	SC	1.25 oz/a	POST A		225.1 a
	AATREX	4	L	32.0 oz/a	POST A		
	PROWL H20	3.8	SC	32.0 oz/a	POST A		
	AGRIDEX			1.0 % v/v	POST A		
11	IMPACT	2.8	SC	1.25 oz/a	POST A		213.2 ab
	AATREX	4	L	32.0 oz/a	POST A		
	ANTHEM FLEX	4.0	SC	3.0 oz/a	POST A		
	AGRIDEX			1.0 % v/v	POST A		
12	ACURON GT	4.295	ZC	60.0 oz/a	POST A		218.3 ab
	AATREX	4	L	32.0 oz/a	POST A		
	INDUCE			0.25 % v/v	POST A		
LSD P=.10				29.62			
Standard Deviation				21.08			
CV				10.31			
Grand Mean				204.51			
Bartlett's X2^				.			
P(Bartlett's X2)				.			

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=19,20

Could not calculate LSD (% mean diff) for columns 8,11,12 because error mean square = 0.

^Calculated from residual.

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IMPACT AND TANK-MIXES FOR WEED CONTROL IN FIELD CORN						
Trial ID:	CN-06-22	Study Dir.:	WEN CARTER			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
Randomized Complete Block (RCB) AOV For Zeama Stunting % Apr-28-22 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	872.222222				
Replicate	2	43.055556	21.527778	1.632	0.2184	
Treatment	11	538.888889	48.989899	3.713	0.0043	
Error	22	290.277778	13.194444			
Randomized Complete Block (RCB) AOV For Zeama Bleaching % Apr-28-22 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	2355.555556				
Replicate	2	5.555556	2.777778	0.162	0.8516	
Treatment	11	1972.222222	179.292929	10.441	0.0001	
Error	22	377.777778	17.171717			
Randomized Complete Block (RCB) AOV For Zeama Necrosis % Apr-28-22 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	505.555556				
Replicate	2	1.388889	0.694444	1.000	0.3840	
Treatment	11	488.888889	44.444444	64.000	0.0001	
Error	22	15.277778	0.694444			
Randomized Complete Block (RCB) AOV For Amapa Control % Apr-28-22 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26902.305556				
Replicate	2	0.888889	0.444444	1.000	0.3840	
Treatment	11	26891.638889	2444.694444	5500.563	0.0001	
Error	22	9.777778	0.444444			
Randomized Complete Block (RCB) AOV For Rapra Control % Apr-28-22 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26883.000000				
Replicate	2	4.500000	2.250000	1.000	0.3840	
Treatment	11	26829.000000	2439.000000	1084.000	0.0001	
Error	22	49.500000	2.250000			
Randomized Complete Block (RCB) AOV For Agrass Control % Apr-28-22 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26183.000000				
Replicate	2	69.500000	34.750000	3.917	0.0351	
Treatment	11	25918.333333	2356.212121	265.602	0.0001	
Error	22	195.166667	8.871212			
Randomized Complete Block (RCB) AOV For Molve Control % Apr-28-22 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26850.972222				
Replicate	2	0.888889	0.444444	1.000	0.3840	
Treatment	11	26840.305556	2440.027778	5490.063	0.0001	
Error	22	9.777778	0.444444			
Randomized Complete Block (RCB) AOV For Spear Control % Apr-28-22 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	26952.750000				
Replicate	2	0.000000	0.000000	0.000	1.0000	
Treatment	11	26952.750000	2450.250000	0.000	1.0000	
Error	22	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For Zeama Stunting % May-5-22 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	575.000000				
Replicate	2	16.666667	8.333333	0.647	0.5333	
Treatment	11	275.000000	25.000000	1.941	0.0893	
Error	22	283.333333	12.878788			
Randomized Complete Block (RCB) AOV For Zeama Bleaching % May-5-22 (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	35	907.638889				
Replicate	2	9.722222	4.861111	0.762	0.4785	
Treatment	11	757.638889	68.876263	10.802	0.0001	
Error	22	140.277778	6.376263			

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IMPACT AND TANK-MIXES FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-06-22 Study Dir.: WEN CARTER
Location: PONDER FARM Investigator: Eric P. Prostko

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	68.750000			
Replicate	2	0.000000	0.000000	0.000	1.0000
Treatment	11	68.750000	6.250000	0.000	1.0000
Error	22	0.000000	0.000000		

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	26952.750000			
Replicate	2	0.000000	0.000000	0.000	1.0000
Treatment	11	26952.750000	2450.250000	0.000	1.0000
Error	22	0.000000	0.000000		

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	25346.750000			
Replicate	2	120.166667	60.083333	1.729	0.2007
Treatment	11	24462.083333	2223.825758	63.995	0.0001
Error	22	764.500000	34.750000		

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	724.305556			
Replicate	2	134.722222	67.361111	4.057	0.0316
Treatment	11	224.305556	20.391414	1.228	0.3264
Error	22	365.277778	16.603535		

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	26808.750000			
Replicate	2	4.500000	2.250000	1.000	0.3840
Treatment	11	26754.750000	2432.250000	1081.000	0.0001
Error	22	49.500000	2.250000		

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	24718.972222			
Replicate	2	636.222222	318.111111	6.280	0.0070
Treatment	11	22968.305556	2088.027778	41.219	0.0001
Error	22	1114.444444	50.656566		

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	27305.555556			
Replicate	2	1.388889	0.694444	0.234	0.7933
Treatment	11	27238.888889	2476.262626	834.553	0.0001
Error	22	65.277778	2.967172		

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	35	23774.305556			
Replicate	2	1488.888889	744.444444	6.793	0.0050
Treatment	11	19874.305556	1806.755051	16.486	0.0001
Error	22	2411.111111	109.595960		

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	34	1126.972222			
Replicate	2	277.555556	138.777778	8.176	0.0024
Treatment	11	492.972222	44.815657	2.640	0.0268
Error	21	356.444444	16.973545		

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	34	29500.988352			
Replicate	2	7265.630022	3632.815011	8.176	0.0024
Treatment	11	12904.637309	1173.148846	2.640	0.0268
Error	21	9330.721021	444.320049		

Part Rated

Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)

Rating Unit

$\frac{\text{Rating Unit}}{\%} = \text{PERCENT}$

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IMPACT AND TANK-MIXES FOR WEED CONTROL IN FIELD CORN

Trial ID:	CN-06-22	Study Dir.:	WEN CARTER
Location:	PONDER FARM	Investigator:	Eric P. Prostko

ARM Action Codes
TY1 = 5.11636686*[19]

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IMPACT AND TANK-MIXES FOR WEED CONTROL IN FIELD CORN														
Trial ID:		CN-06-22		Study Dir.:		WEN CARTER								
Location:		PONDER FARM		Investigator:		Eric P. Prostko								
Insect Code							Zeama	Zeama	Zeama	Amapa	Rapra	Agrass		
Crop Code														
Part Rated														
Rating Data Type														
Rating Unit														
Rating Date							Apr-28-22	Apr-28-22	Apr-28-22	Apr-28-22	Apr-28-22	Apr-28-22		
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6
1	NTC							101	0.0	0.0	0.0	0.0	0.0	0.0
								208	0.0	0.0	0.0	0.0	0.0	0.0
								310	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
2	IMPACT	2.8	SC	1.25 oz/a	POST A		102		0.0	0.0	0.0	95.0	90.0	95.0
	AGRIDEX			1.0 % v/v	POST A		212		0.0	0.0	0.0	99.0	99.0	99.0
							309		0.0	0.0	0.0	99.0	99.0	95.0
								Mean =	0.0	0.0	0.0	97.7	96.0	96.3
3	IMPACT	2.8	SC	1.25 oz/a	POST A		103		0.0	10.0	0.0	99.0	99.0	99.0
	AATREX	4	L	32.0 oz/a	POST A		206		10.0	15.0	0.0	99.0	99.0	99.0
	AGRIDEX			1.0 % v/v	POST A		312		10.0	15.0	0.0	99.0	99.0	90.0
								Mean =	6.7	13.3	0.0	99.0	99.0	96.0
4	IMPACT	2.8	SC	1.25 oz/a	POST A		104		0.0	15.0	0.0	99.0	99.0	95.0
	AATREX	4	L	48.0 oz/a	POST A		209		10.0	15.0	0.0	99.0	99.0	99.0
	AGRIDEX			1.0 % v/v	POST A		311		10.0	10.0	0.0	99.0	99.0	95.0
								Mean =	6.7	13.3	0.0	99.0	99.0	96.3
5	IMPACT	2.8	SC	1.25 oz/a	POST A		105		10.0	20.0	0.0	99.0	99.0	90.0
	AATREX	4	L	64.0 oz/a	POST A		210		10.0	15.0	0.0	99.0	99.0	99.0
	AGRIDEX			1.0 % v/v	POST A		303		10.0	10.0	0.0	99.0	99.0	99.0
								Mean =	10.0	15.0	0.0	99.0	99.0	96.0
6	IMPACT	2.8	SC	1.25 oz/a	POST A		106		10.0	25.0	0.0	99.0	99.0	90.0
	AATREX	4	L	32.0 oz/a	POST A		211		10.0	25.0	0.0	99.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST A		301		15.0	15.0	0.0	99.0	99.0	99.0
	AGRIDEX			1.0 % v/v	POST A									
								Mean =	11.7	21.7	0.0	99.0	99.0	96.0
7	IMPACT	2.8	SC	1.25 oz/a	POST A		107		15.0	0.0	0.0	99.0	99.0	95.0
	AATREX	4	L	32.0 oz/a	POST A		202		0.0	5.0	0.0	99.0	99.0	99.0
	WARRANT	3	ME	48.0 oz/a	POST A		306		10.0	15.0	0.0	99.0	99.0	90.0
	AGRIDEX			1.0 % v/v	POST A									
								Mean =	8.3	6.7	0.0	99.0	99.0	94.7
8	IMPACT	2.8	SC	1.25 oz/a	POST A		108		10.0	25.0	0.0	99.0	99.0	90.0
	AATREX	4	L	32.0 oz/a	POST A		201		10.0	20.0	0.0	99.0	99.0	99.0
	OUTLOOK	6	EC	12.8 oz/a	POST A		308		10.0	25.0	0.0	99.0	99.0	95.0
	AGRIDEX			1.0 % v/v	POST A									
								Mean =	10.0	23.3	0.0	99.0	99.0	94.7
9	IMPACT	2.8	SC	1.25 oz/a	POST A		109		10.0	15.0	0.0	99.0	99.0	99.0
	AATREX	4	L	32.0 oz/a	POST A		205		10.0	20.0	0.0	99.0	99.0	99.0
	ZIDUA	4.17	SC	2.5 oz/a	POST A		302		10.0	10.0	0.0	99.0	99.0	99.0
	AGRIDEX			1.0 % v/v	POST A									
								Mean =	10.0	15.0	0.0	99.0	99.0	99.0
10	IMPACT	2.8	SC	1.25 oz/a	POST A		110		10.0	10.0	0.0	99.0	99.0	99.0
	AATREX	4	L	32.0 oz/a	POST A		204		10.0	15.0	0.0	99.0	99.0	99.0
	PROWL H20	3.8	SC	32.0 oz/a	POST A		305		10.0	20.0	0.0	99.0	99.0	99.0
	AGRIDEX			1.0 % v/v	POST A									
								Mean =	10.0	15.0	0.0	99.0	99.0	99.0
11	IMPACT	2.8	SC	1.25 oz/a	POST A		111		10.0	5.0	10.0	99.0	99.0	99.0
	AATREX	4	L	32.0 oz/a	POST A		207		10.0	5.0	15.0	99.0	99.0	99.0
	ANTHEM FLEX	4.0	SC	3.0 oz/a	POST A		304		10.0	5.0	15.0	99.0	99.0	99.0
	AGRIDEX			1.0 % v/v	POST A									
								Mean =	10.0	5.0	13.3	99.0	99.0	99.0
12	ACURON GT	4.295	ZC	60.0 oz/a	POST A		112		0.0	5.0	0.0	99.0	99.0	99.0
	AATREX	4	L	32.0 oz/a	POST A		203		0.0	5.0	0.0	99.0	99.0	99.0
	INDUCE			0.25 % v/v	POST A		307		10.0	5.0	0.0	99.0	99.0	99.0
								Mean =	3.3	5.0	0.0	99.0	99.0	99.0

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IMPACT AND TANK-MIXES FOR WEED CONTROL IN FIELD CORN												
Trial ID:		CN-06-22		Study Dir.:		WEN CARTER						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Insect Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							Molve	Spear	Zeama	Zeama	Zeama	Amapa
							Control %	Control %	Stunting %	Bleaching %	Necrosis %	Control %
							Apr-28-22	Apr-28-22	May-5-22	May-5-22	May-5-22	May-5-22
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code Plot	7	8	9	10	11	12
1	NTC					101	0.0	0.0	0.0	0.0	0.0	0.0
						208	0.0	0.0	0.0	0.0	0.0	0.0
						310	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
2	IMPACT AGRINDEX	2.8 SC		1.25 oz/a 1.0 % v/v	POST A POST A	102	99.0	99.0	0.0	0.0	0.0	99.0
						212	95.0	99.0	0.0	0.0	0.0	99.0
						309	95.0	99.0	0.0	5.0	0.0	99.0
						Mean =	96.3	99.0	0.0	1.7	0.0	99.0
3	IMPACT AATREX AGRINDEX	2.8 SC 4 L		1.25 oz/a 32.0 oz/a 1.0 % v/v	POST A POST A POST A	103	99.0	99.0	0.0	10.0	0.0	99.0
						206	99.0	99.0	5.0	15.0	0.0	99.0
						312	99.0	99.0	0.0	10.0	0.0	99.0
						Mean =	99.0	99.0	1.7	11.7	0.0	99.0
4	IMPACT AATREX AGRINDEX	2.8 SC 4 L		1.25 oz/a 48.0 oz/a 1.0 % v/v	POST A POST A POST A	104	99.0	99.0	0.0	15.0	0.0	99.0
						209	99.0	99.0	5.0	10.0	0.0	99.0
						311	99.0	99.0	0.0	10.0	0.0	99.0
						Mean =	99.0	99.0	1.7	11.7	0.0	99.0
5	IMPACT AATREX AGRINDEX	2.8 SC 4 L		1.25 oz/a 64.0 oz/a 1.0 % v/v	POST A POST A POST A	105	99.0	99.0	0.0	10.0	0.0	99.0
						210	99.0	99.0	0.0	15.0	0.0	99.0
						303	99.0	99.0	0.0	15.0	0.0	99.0
						Mean =	99.0	99.0	0.0	13.3	0.0	99.0
6	IMPACT AATREX DUAL MAGNUM AGRINDEX	2.8 SC 4 L		1.25 oz/a 32.0 oz/a 16.0 oz/a 1.0 % v/v	POST A POST A POST A POST A	106	99.0	99.0	10.0	15.0	0.0	99.0
						211	99.0	99.0	0.0	15.0	0.0	99.0
						301	99.0	99.0	10.0	10.0	0.0	99.0
						Mean =	99.0	99.0	6.7	13.3	0.0	99.0
7	IMPACT AATREX WARRANT AGRINDEX	2.8 SC 4 L 3 ME		1.25 oz/a 32.0 oz/a 48.0 oz/a 1.0 % v/v	POST A POST A POST A POST A	107	99.0	99.0	0.0	10.0	0.0	99.0
						202	99.0	99.0	0.0	10.0	0.0	99.0
						306	99.0	99.0	5.0	10.0	0.0	99.0
						Mean =	99.0	99.0	1.7	10.0	0.0	99.0
8	IMPACT AATREX OUTLOOK AGRINDEX	2.8 SC 4 L 6 EC		1.25 oz/a 32.0 oz/a 12.8 oz/a 1.0 % v/v	POST A POST A POST A POST A	108	99.0	99.0	0.0	10.0	0.0	99.0
						201	99.0	99.0	10.0	15.0	0.0	99.0
						308	99.0	99.0	10.0	10.0	0.0	99.0
						Mean =	99.0	99.0	6.7	11.7	0.0	99.0
9	IMPACT AATREX ZIDUA AGRINDEX	2.8 SC 4 L 4.17 SC		1.25 oz/a 32.0 oz/a 2.5 oz/a 1.0 % v/v	POST A POST A POST A POST A	109	99.0	99.0	10.0	10.0	0.0	99.0
						205	99.0	99.0	0.0	10.0	0.0	99.0
						302	99.0	99.0	5.0	10.0	0.0	99.0
						Mean =	99.0	99.0	5.0	10.0	0.0	99.0
10	IMPACT AATREX PROWL H20 AGRINDEX	2.8 SC 4 L 3.8 SC		1.25 oz/a 32.0 oz/a 32.0 oz/a 1.0 % v/v	POST A POST A POST A POST A	110	99.0	99.0	0.0	15.0	0.0	99.0
						204	99.0	99.0	0.0	10.0	0.0	99.0
						305	99.0	99.0	0.0	15.0	0.0	99.0
						Mean =	99.0	99.0	0.0	13.3	0.0	99.0
11	IMPACT AATREX ANTHEM FLEX AGRINDEX	2.8 SC 4 L 4.0 SC		1.25 oz/a 32.0 oz/a 3.0 oz/a 1.0 % v/v	POST A POST A POST A POST A	111	99.0	99.0	0.0	10.0	5.0	99.0
						207	99.0	99.0	10.0	15.0	5.0	99.0
						304	99.0	99.0	10.0	10.0	5.0	99.0
						Mean =	99.0	99.0	6.7	11.7	5.0	99.0
12	ACURON GT AATREX INDUCE	4.295 ZC 4 L		60.0 oz/a 32.0 oz/a 0.25 % v/v	POST A POST A POST A POST A	112	99.0	99.0	0.0	5.0	0.0	99.0
						203	99.0	99.0	0.0	5.0	0.0	99.0
						307	99.0	99.0	0.0	0.0	0.0	99.0
						Mean =	99.0	99.0	0.0	3.3	0.0	99.0

University of Georgia

IMPACT AND TANK-MIXES FOR WEED CONTROL IN FIELD CORN												
Trial ID:		CN-06-22		Study Dir.:		WEN CARTER						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Insect Code							Agrass		Amapa	Agrass	Amapa	Agrass
Crop Code								Zeama				
Part Rated								Plant, -				
Rating Data Type							Control	Stunting	Control	Control	Control	Control
Rating Unit							%	%	%	%	%	%
Rating Date							May-5-22	May-19-22	May-19-22	May-19-22	Jun-13-22	Jun-13-22
Trt	Treatment	Form	Form	Rate	Grow	Appl						
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	13	14	15	16	17	18
1	NTC					101	0.0	0.0	0.0	0.0	0.0	0.0
						208	0.0	0.0	0.0	0.0	0.0	0.0
						310	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
2	IMPACT	2.8 SC		1.25 oz/a	POST A	102	95.0	0.0	90.0	95.0	95.0	85.0
	AGRIDEX			1.0 % v/v	POST A	212	90.0	5.0	99.0	90.0	100.0	85.0
						309	90.0	0.0	90.0	80.0	90.0	65.0
						Mean =	91.7	1.7	93.0	88.3	95.0	78.3
3	IMPACT	2.8 SC		1.25 oz/a	POST A	103	95.0	10.0	99.0	99.0	100.0	95.0
	AATREX	4 L		32.0 oz/a	POST A	206	99.0	10.0	99.0	95.0	100.0	95.0
	AGRIDEX			1.0 % v/v	POST A	312	80.0	0.0	99.0	75.0	100.0	60.0
						Mean =	91.3	6.7	99.0	89.7	100.0	83.3
4	IMPACT	2.8 SC		1.25 oz/a	POST A	104	95.0	0.0	99.0	90.0	100.0	85.0
	AATREX	4 L		48.0 oz/a	POST A	209	95.0	0.0	99.0	90.0	100.0	85.0
	AGRIDEX			1.0 % v/v	POST A	311	85.0	0.0	99.0	75.0	100.0	50.0
						Mean =	91.7	0.0	99.0	85.0	100.0	73.3
5	IMPACT	2.8 SC		1.25 oz/a	POST A	105	95.0	0.0	99.0	90.0	100.0	80.0
	AATREX	4 L		64.0 oz/a	POST A	210	99.0	0.0	99.0	99.0	100.0	95.0
	AGRIDEX			1.0 % v/v	POST A	303	75.0	0.0	99.0	65.0	100.0	60.0
						Mean =	89.7	0.0	99.0	84.7	100.0	78.3
6	IMPACT	2.8 SC		1.25 oz/a	POST A	106	85.0	15.0	99.0	80.0	100.0	60.0
	AATREX	4 L		32.0 oz/a	POST A	211	95.0	0.0	99.0	90.0	100.0	90.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST A	301	90.0	0.0	99.0	80.0	100.0	70.0
	AGRIDEX			1.0 % v/v	POST A							
						Mean =	90.0	5.0	99.0	83.3	100.0	73.3
7	IMPACT	2.8 SC		1.25 oz/a	POST A	107	90.0	5.0	99.0	85.0	100.0	70.0
	AATREX	4 L		32.0 oz/a	POST A	202	99.0	5.0	99.0	99.0	100.0	85.0
	WARRANT	3 ME		48.0 oz/a	POST A	306	95.0	0.0	99.0	90.0	100.0	85.0
	AGRIDEX			1.0 % v/v	POST A							
						Mean =	94.7	3.3	99.0	91.3	100.0	80.0
8	IMPACT	2.8 SC		1.25 oz/a	POST A	108	85.0	10.0	99.0	90.0	100.0	75.0
	AATREX	4 L		32.0 oz/a	POST A	201	95.0	10.0	99.0	80.0	100.0	85.0
	OUTLOOK	6 EC		12.8 oz/a	POST A	308	99.0	0.0	99.0	95.0	100.0	85.0
	AGRIDEX			1.0 % v/v	POST A							
						Mean =	93.0	6.7	99.0	88.3	100.0	81.7
9	IMPACT	2.8 SC		1.25 oz/a	POST A	109	99.0	15.0	99.0	99.0	100.0	95.0
	AATREX	4 L		32.0 oz/a	POST A	205	99.0	0.0	99.0	95.0	100.0	95.0
	ZIDUA	4.17 SC		2.5 oz/a	POST A	302	95.0	0.0	99.0	90.0	100.0	80.0
	AGRIDEX			1.0 % v/v	POST A							
						Mean =	97.7	5.0	99.0	94.7	100.0	90.0
10	IMPACT	2.8 SC		1.25 oz/a	POST A	110	99.0	0.0	99.0	99.0	100.0	95.0
	AATREX	4 L		32.0 oz/a	POST A	204	95.0	5.0	99.0	95.0	95.0	85.0
	PROWL H20	3.8 SC		32.0 oz/a	POST A	305	95.0	0.0	99.0	85.0	100.0	70.0
	AGRIDEX			1.0 % v/v	POST A							
						Mean =	96.3	1.7	99.0	93.0	98.3	83.3
11	IMPACT	2.8 SC		1.25 oz/a	POST A	111	99.0	0.0	99.0	99.0	100.0	95.0
	AATREX	4 L		32.0 oz/a	POST A	207	90.0	5.0	99.0	95.0	100.0	80.0
	ANTHEM FLEX	4.0 SC		3.0 oz/a	POST A	304	99.0	0.0	99.0	85.0	100.0	75.0
	AGRIDEX			1.0 % v/v	POST A							
						Mean =	96.0	1.7	99.0	93.0	100.0	83.3
12	ACURON GT	4.295 ZC		60.0 oz/a	POST A	112	99.0	0.0	99.0	99.0	100.0	100.0
	AATREX	4 L		32.0 oz/a	POST A	203	99.0	0.0	99.0	99.0	100.0	95.0
	INDUCE			0.25 % v/v	POST A	307	99.0	0.0	99.0	99.0	100.0	95.0
						Mean =	99.0	0.0	99.0	99.0	100.0	96.7

IMPACT AND TANK-MIXES FOR WEED CONTROL IN FIELD CORN			
Trial ID:	CN-06-22	Study Dir.:	WEN CARTER
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Insect Code								-----	-----	
Crop Code								ZEAMA	ZEAMA	
Part Rated								PLOT, -	PLOT, -	
Rating Data Type								YIELD	YIELD	
Rating Unit								LBS/PLOT	BU/A	
Rating Date								Aug-31-22	Aug-31-22	
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	19	20
1	NTC						101		24.0	122.8
							208		38.0	194.4
							310		29.0	148.4
							Mean =		30.3	155.2
2	IMPACT	2.8	SC	1.25	oz/a	POST A	102		34.0	174.0
	AGRIDEX			1.0	% v/v	POST A	212		38.0	194.4
							309		42.0	214.9
							Mean =		38.0	194.4
3	IMPACT	2.8	SC	1.25	oz/a	POST A	103		35.0	179.1
	AATREX	4	L	32.0	oz/a	POST A	206		43.0	220.0
	AGRIDEX			1.0	% v/v	POST A	312		33.0	168.8
							Mean =		37.0	189.3
4	IMPACT	2.8	SC	1.25	oz/a	POST A	104		37.0	189.3
	AATREX	4	L	48.0	oz/a	POST A	209		49.0	250.7
	AGRIDEX			1.0	% v/v	POST A	311		29.0	148.4
							Mean =		38.3	196.1
5	IMPACT	2.8	SC	1.25	oz/a	POST A	105		39.0	199.5
	AATREX	4	L	64.0	oz/a	POST A	210		44.0	225.1
	AGRIDEX			1.0	% v/v	POST A	303		43.0	220.0
							Mean =		42.0	214.9
6	IMPACT	2.8	SC	1.25	oz/a	POST A	106		36.0	184.2
	AATREX	4	L	32.0	oz/a	POST A	211		38.0	194.4
	DUAL MAGNUM	7.62	EC	16.0	oz/a	POST A	301		41.0	209.8
	AGRIDEX			1.0	% v/v	POST A				
							Mean =		38.3	196.1
7	IMPACT	2.8	SC	1.25	oz/a	POST A	107		41.0	209.8
	AATREX	4	L	32.0	oz/a	POST A	202		43.0	220.0
	WARRANT	3	ME	48.0	oz/a	POST A	306		48.0	245.6
	AGRIDEX			1.0	% v/v	POST A				
							Mean =		44.0	225.1
8	IMPACT	2.8	SC	1.25	oz/a	POST A	108		37.0	189.3
	AATREX	4	L	32.0	oz/a	POST A	201		43.0	220.0
	OUTLOOK	6	EC	12.8	oz/a	POST A	308		47.0	240.5
	AGRIDEX			1.0	% v/v	POST A				
							Mean =		42.3	216.6
9	IMPACT	2.8	SC	1.25	oz/a	POST A	109		39.0	199.5
	AATREX	4	L	32.0	oz/a	POST A	205			
	ZIDUA	4.17	SC	2.5	oz/a	POST A	302		43.0	220.0
	AGRIDEX			1.0	% v/v	POST A				
							Mean =		41.0	209.8
10	IMPACT	2.8	SC	1.25	oz/a	POST A	110		39.0	199.5
	AATREX	4	L	32.0	oz/a	POST A	204		46.0	235.4
	PROWL H20	3.8	SC	32.0	oz/a	POST A	305		47.0	240.5
	AGRIDEX			1.0	% v/v	POST A				
							Mean =		44.0	225.1
11	IMPACT	2.8	SC	1.25	oz/a	POST A	111		35.0	179.1
	AATREX	4	L	32.0	oz/a	POST A	207		46.0	235.4
	ANTHEM FLEX	4.0	SC	3.0	oz/a	POST A	304		44.0	225.1
	AGRIDEX			1.0	% v/v	POST A				
							Mean =		41.7	213.2
12	ACURON GT	4.295	ZC	60.0	oz/a	POST A	112		39.0	199.5
	AATREX	4	L	32.0	oz/a	POST A	203		46.0	235.4
	INDUCE			0.25	% v/v	POST A	307		43.0	220.0
							Mean =		42.7	218.3

University of Georgia

IMPACT AND TANK-MIXES FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-06-22 Study Dir.: WEN CARTER
Location: PONDER FARM Investigator: Eric P. Prostko

Part Rated

Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)

Rating Unit

% = PERCENT

ARM Action Codes

TY1 = 5.11636686*[19]