

University of Georgia

EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN				
Trial ID:	CN-08A-22	Study Dir.:	J. RICHBURG	
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 Rate Unit	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	RESICORE XL AATREX	3.25 4 L	ZC	96.0 oz/a 32.0 oz/a	PRE PRE	A A	15 GPA 15 GPA	75.0 mL/mx 25.0 mL/mx	1400 mL	101	212	303	408
2	RESICORE XL AATREX DURANGO DMA INDUCE AMSOL	3.25 4 L 4 SL	ZC	64.0 oz/a 32.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	POST1 B POST1 B POST1 B POST1 B POST1 B	B B B B B	15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	50.0 mL/mx 25.0 mL/mx 25.0 mL/mx 3.75 mL/mx 37.5 mL/mx	1358.8 mL	102	203	312	404
3	EVERPREX RESICORE XL AATREX DURANGO DMA INDUCE AMSOL	7.62 3.25 4 L 4 SL	EC ZC	16.0 oz/a 48.0 oz/a 32.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST2 C POST2 C POST2 C POST2 C POST2 C	A C C C C C	15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	12.5 mL/mx 37.5 mL/mx 25.0 mL/mx 25.0 mL/mx 3.75 mL/mx 37.5 mL/mx	1487.5 mL 1371.3 mL	103	201	307	406
4	EVERPREX GF-5040 AATREX DURANGO DMA INDUCE AMSOL	7.62 3.07 4 L 4 SL	EC ZC	16.0 oz/a 45.0 oz/a 32.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST2 C POST2 C POST2 C POST2 C POST2 C	A C C C C C	15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	12.5 mL/mx 35.16 mL/mx 25.0 mL/mx 25.0 mL/mx 3.75 mL/mx 37.5 mL/mx	1487.5 mL 1373.6 mL	104	207	305	403
5	EVERPREX GF-5040 AATREX DURANGO DMA INDUCE AMSOL	7.62 3.07 4 L 4 SL	EC ZC	16.0 oz/a 60.0 oz/a 32.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST2 C POST2 C POST2 C POST2 C POST2 C	A C C C C C	15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	12.5 mL/mx 46.87 mL/mx 25.0 mL/mx 25.0 mL/mx 3.75 mL/mx 37.5 mL/mx	1487.5 mL 1361.9 mL	105	209	311	409
6	ACURON HALEX GT INDUCE AMSOL	3.44 4.38	ZC SC	48.0 oz/a 58.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST2 C POST2 C POST2 C	A C C C	15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC	37.5 mL/mx 45.31 mL/mx 3.75 mL/mx 37.5 mL/mx	1462.5 mL 1413.4 mL	106	208	304	405
7	EVERPREX GF-5040 DURANGO DMA INDUCE AMSOL	7.62 3.07 4 SL	EC ZC	16.0 oz/a 45.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST3 D POST3 D POST3 D POST3 D	A D D D D	15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	12.5 mL/mx 35.16 mL/mx 25.0 mL/mx 3.75 mL/mx 37.5 mL/mx	1487.5 mL 1398.6 mL	107	211	306	401
8	RESICORE XL GF-5040 DURANGO DMA INDUCE AMSOL	3.25 3.07 4 SL	ZC ZC	64.0 oz/a 45.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST3 D POST3 D POST3 D POST3 D	A D D D D	15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	50.0 mL/mx 35.16 mL/mx 25.0 mL/mx 3.75 mL/mx 37.5 mL/mx	1450 mL 1398.6 mL	108	205	308	412
9	NTC								-	109	206	302	407
10	ROUNDUP P-MAX3 AATREX LAUDIS	5.88 4 L 3.5 SC	SL	22.0 oz/a 64.0 oz/a 3.0 oz/a	POST2 C POST2 C POST2 C	C C C	15 GAL/AC 15 GAL/AC 15 GAL/AC	17.19 mL/mx 50.0 mL/mx 2.344 mL/mx	1430.5 mL	110	202	309	410
11	LAUDIS AATREX WARRANT AGRIDEX	3.5 4 L 3 ME	SC	3.0 oz/a 64.0 oz/a 48.0 oz/a 1.0 % v/v	POST2 C POST2 C POST2 C POST2 C	C C C C	15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	2.344 mL/mx 50.0 mL/mx 37.5 mL/mx 15.0 mL/mx	1395.2 mL	111	210	301	411
12	RESTRAINT AATREX AGRIDEX	6.498 4 L	EC	30.0 oz/a 64.0 oz/a 1.0 % v/v	POST2 C POST2 C POST2 C	C C C	15 GAL/AC 15 GAL/AC 15 GAL/AC	23.44 mL/mx 50.0 mL/mx 15.0 mL/mx	1411.6 mL	112	204	310	402

Sort Order: Treatment

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN

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 Location: PONDER FARM Investigator: Eric P. Prostko

Trial Comments

ACURON = S-METOLACHLOR (2.14 LBS AI/GAL) + MESOTRIONE (0.24 LBS AI/GAL) + ATRAZINE (1.0 LBS AI/GAL) + BICYCLOPYRONE (0.06 LBS AI/GAL)

HALEX GT = GLYPHOSATE (2.09 LBS AI/GAL) + MESOTRIONE (0.209 LBS AI/GAL) + S-METOLACHLOR (2.09 LBS AI/GAL)

RESTRAINT = TOLPYRALATE (0.094 LBS AI/GAL) + ACETOCHLOR (6.404 LBS AI/GAL) + DICHLORMID (SAFENER)

RESICORE XL = ENCAPSULATED ACETOCHLOR (2.8 LBS/GAL) + MESOTRIONE (0.27 LBS/GAL) + CLOPYRALID (0.19 LB/GAL) + BENOXACOR (SAFENER)

KYRO= GF5040 = ENCAPSULATED ACETOCHLOR (30%) + CLOPYRALID (3.51%) + TOPRAMEZONE (0.5%) + SAFENER??????

WEED DENSITIES/FT2 ON APRIL 25 IN NTC AS FOLLOWS:

AMAPA = 10

AGRASS = 4 (NON-UNIFORM MIXTURE OF ANNUAL GRASSES INCLUDING TX PANICUM, CRABGRASS, CROWFOOTGRASS, GOOSEGRASS)

RAPRA = 2

MOLVE = 10

CYPES = 1

YIELD DATA WAS COLLECTED BUT GRAIN DID NOT ENTER THE SUPPLY CHAIN (DESTROYED)

HARVEST DATE 08/30/22

HARVEST MOISTURE = 17.47%

YIELDS ADJUSTED TO 15.5%

SUMMARY:

1) SLIGHT CORN STUNTING WAS OBSERVED WITH ALL PRE TREATMENTS. PRE TREATMENTS THAT INCLUDED RESICORE XL @ 96 OZ/A CAUSED THE MOST STUNTING (10-14%).

2) POST APPLICATIONS OF RESICORE XL + ATRAZINE + DURANGO + INDUCE + AMSOL CAUSED SLIGHT CORN STUNTING AND LEAF NECROSIS/CHLOROSIS.

3) POST2 APPLICATIONS OF GF-5040 @ 60 OZ/A WERE MORE INJURIOUS THAN 45 OZ/A.

4) WEED CONTROL RATINGS ON MAY 16 (14 DAYS AFTER LAST TREATMENTS WERE APPLIED) INDICATED THE FOLLOWING:

A) ALL TREATMENTS PROVIDED EXCELLENT CONTROL OF PALMER AMARANTH (98%+ CONTROL).

B) WILD RADISH CONTROL WAS AT LEAST 98% WITH ALL TREATMENTS EXCEPT RESICORE XL @ 96 OZ/A + ATRAZINE APPLIED PRE (80% CONTROL).

C) ANNUAL GRASS CONTROL WAS GREATER THAN 93% WITH ALL TREATMENTS EXCEPT THE FOLLOWING: RESICORE XL @ 96 OZ/A + ATRAZINE (PRE) = 68% CONTROL.

5) WEED CONTROL RATINGS ON JUNE 7 (36 DAYS AFTER LAST TREATMENTS WERE APPLIED) INDICATED THE FOLLOWING:

A) ALL TREATMENTS PROVIDED EXCELLENT CONTROL OF PALMER AMARANTH (95%+ CONTROL).

B) ANNUAL GRASS CONTROL WAS GREATER THAN 90% WITH ALL TREATMENTS EXCEPT THE FOLLOWING:

RESICORE XL @ 96 OZ/A + ATRAZINE (PRE) = 60%

RESICORE XL @ 64 OZ/A + ATRAZINE + DURANGO + INDUCE + AMSOL (POST1) = 84%

ROUNDUP + ATRAZINE + LAUDIS (POST2) = 78%

LAUDIS + ATRAZINE + WARRANT + AGRIDEX (POST2) = 83%

RESTRAINT + ATRAZINE + AGRIDEX (POST2) = 86%

6) GENERALLY, ANNUAL GRASS CONTROL WAS BETTER WITH PRE + POST COMBOS THAN PRE OR POST ALONE TREATMENTS.

7) ALL HERBICIDE TREATED PLOTS HAD HIGHER CORN YIELDS THAN THE NTC. THERE WERE SOME DIFFERENCES IN

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YIELD BETWEEN HERBICIDE TREATMENTS. TWO TREATMENTS THAT RESULTED IN HIGHER YIELDS THAN THE CURRENT STANDARD OF ROUNDUP + ATRAZINE + LAUDIS (201.3 BU/A) INCLUDED THE FOLLOWING:

EVERPREX (PRE) FB GF-5040 (45 OZ/A) + ATRAZINE + DURANGO + INDUCE + AMSOL (POST2) = 222.9 BU/A
ACURON (PRE) FB HALEX GT + INDUCE + AMSOL (POST2) = 224.1 BU/A.

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Trial ID: CN-08A-22 Study Dir.: J. RICHBURG
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: J. RICHBURG

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 °: -83.6593363

N-Latitude of LL Corner °: 31.5079475

Altitude of LL Corner: 81.50 Unit: m

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	LMER AMARANTH
2.	RAPRA	WI	LD RADISH
3.	AGRASS	TX	. PAN/CRAB/GOOSE/CROW
4.	ARAHY	V.	PEANUT
5.	CYPES	YE	LLOW NUTSEGE
6.	MOLVE	CA	RPETWEED

Crop 1: ZEAMA FIELD CORN

Variety: P2042VYHR

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: 4

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 APRIL 21 AND MAY 4

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AXILO BMZ (HELENA) APPLIED ON APRIL 26

GPS:

LL = 31.507948/-83.659336

UL = 31.507625/-83.659459

UR = 31.507678/-83.659660

LR = 31.508008/-83.659539

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

SOIL DESCRIPTION

% Sand: 94 % OM: 0.64 Texture: SAND
 % Silt: 4 pH: 6.0 Soil Name: TIFTON
 % Clay: 2 CEC: 2.8 Fert. Level: GOOD

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	6	HR
10.	May-3-22		0.3	IN	SPRINKLER - LATERAL MOVE		
11.	May-6-22		0.45	IN	RAINFALL		
12.	May-10-22		0.38	IN	SPRINKLER - LATERAL MOVE		
13.	May-12-22		0.4	IN	SPRINKLER - LATERAL MOVE		
14.	May-16-22		0.5	IN	SPRINKLER - LATERAL MOVE		
15.	May-24-22		0.5	IN	SPRINKLER - LATERAL MOVE		
16.	May-24-22		1.8	IN	RAINFALL		
17.	Jun-1-22		0.6	IN	SPRINKLER - LATERAL MOVE		
18.	Jun-7-22		0.5	IN	SPRINKLER - LATERAL MOVE		
19.							
20.							

Overall Moisture Conditions:

Closest Weather Station: _____ Distance: _____ Unit: _____

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APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	Mar-29-22	Apr-14-22	Apr-25-22	May-2-22
Time of Day:	8:50 AM	7:00 AM	6:44 AM	8:00 AM
Application Method:	BROADCAST	BROADCAST	BROADCAST	BROADCAST
Application Timing:	PRE	POST1	POST2	POST3
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE	FOLIAGE
Air Temp., Unit:	54 F	64 F	62 F	67 F
% Relative Humidity:	72	93	93	94
Wind Velocity, Unit:	2 MPH	4 MPH	0 MPH	1 MPH
Dew Presence (Y/N):	Y	Y	Y	Y
Water Hardness:	--	--	--	--
Soil Temp., Unit:	58 F	64 F	68 F	70 F
Soil Moisture:	ADEQUATE	OPTIMUM	DRY	DRY
% Cloud Cover:	0	100	0	100

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	ZEAMA,	ZEAMA,	ZEAMA,	ZEAMA,
Stage Scale:		V2/V3	V5/V6	V6/V7
Height, Unit:		3, IN	9, IN	13, IN

WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code, Stage:	AMAPA,	AMAPA,	AMAPA,	AMAPA,
Stage Scale:		0.5"/2-3L	2-4"/1-10L	
Density, Unit:				
Weed 2 Code, Stage:	RAPRA,	RAPRA,	RAPRA,	RAPRA,
Stage Scale:		1-2"/2-5L	3-4"/4-6L	5-6"/12L
Density, Unit:				
Weed 3 Code, Stage:	AGRAS,	AGRAS,	AGRAS,	AGRAS,
Stage Scale:		0.5"/1-2L	2-3"/5-6L	1-2"/2-3L
Density, Unit:				
Weed 4 Code, Stage:	ARAHY,	ARAHY,	ARAHY,	ARAHY,
Stage Scale:		2-3"/6L	3-4"/4-6L	2-4"/6-8L
Density, Unit:				
Weed 5 Code, Stage:	CYPES,	CYPES,	CYPES,	CYPES,
Stage Scale:		2-3"/4L	4-5"/6 L	
Density, Unit:				
Weed 6 Code, Stage:	MOLVE,	MOLVE,	MOLVE,	MOLVE,
Stage Scale:			0.5"/4L	0.5"/12L
Density, Unit:				

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Trial ID: CN-08A-22 Study Dir.: J. RICHBURG
Location: PONDER FARM Investigator: Eric P. Prostko

APPLICATION EQUIPMENT

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

Trt No	Treatment Application Comment

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Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							-----	-----	-----	-----	-----	-----
Crop Code							Zeama	Zeama	Zeama	Zeama	Zeama	Zeama
Part Rated												
Rating Data Type							Chlorosis	Necrosis	Stunting	Stand	Stunting	Necrosis
Rating Unit							%	%	%	#/5ft	%	%
Rating Date							Apr-11-22	Apr-11-22	Apr-11-22	Apr-12-22	Apr-19-22	Apr-19-22
Trt	Treatment	Form	Form	Rate	Grow	Appl	1	2	3	4	5	6
No.	Name	Conc	Type	Rate Unit	Stg	Code						
1	RESICORE XL AATREX	3.25 4 L	ZC	96.0 oz/a 32.0 oz/a	PRE PRE	A A	0.0 a	0.0 a	0.0 a	11.0 a	10.0 a	1.3 b
2	RESICORE XL AATREX DURANGO DMA INDUCE AMSOL	3.25 4 L 4 SL	ZC	64.0 oz/a 32.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	POST1 B POST1 B POST1 B POST1 B POST1 B		0.0 a	0.0 a	0.0 a	11.3 a	6.3 ab	7.5 a
3	EVERPREX RESICORE XL AATREX DURANGO DMA INDUCE AMSOL	7.62 3.25 4 L 4 SL	EC ZC	16.0 oz/a 48.0 oz/a 32.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST2 C POST2 C POST2 C POST2 C POST2 C	A	0.0 a	0.0 a	2.5 a	11.0 a	7.5 a	0.0 b
4	EVERPREX GF-5040 AATREX DURANGO DMA INDUCE AMSOL	7.62 3.07 4 L 4 SL	EC ZC	16.0 oz/a 45.0 oz/a 32.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST2 C POST2 C POST2 C POST2 C POST2 C	A	1.3 a	0.0 a	1.3 a	11.5 a	5.0 ab	0.0 b
5	EVERPREX GF-5040 AATREX DURANGO DMA INDUCE AMSOL	7.62 3.07 4 L 4 SL	EC ZC	16.0 oz/a 60.0 oz/a 32.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST2 C POST2 C POST2 C POST2 C POST2 C	A	0.0 a	0.0 a	1.7 a	11.0 a	8.8 a	1.3 b
6	ACURON HALEX GT INDUCE AMSOL	3.44 4.38	ZC SC	48.0 oz/a 58.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST2 C POST2 C POST2 C	A	1.3 a	0.0 a	2.5 a	11.5 a	7.5 a	1.3 b
7	EVERPREX GF-5040 DURANGO DMA INDUCE AMSOL	7.62 3.07 4 SL	EC ZC	16.0 oz/a 45.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST3 D POST3 D POST3 D POST3 D	A	0.0 a	0.0 a	0.0 a	11.8 a	7.5 a	1.3 b
8	RESICORE XL GF-5040 DURANGO DMA INDUCE AMSOL	3.25 3.07 4 SL	ZC ZC	64.0 oz/a 45.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST3 D POST3 D POST3 D POST3 D	A	0.0 a	0.0 a	2.5 a	10.8 a	10.0 a	1.3 b
9	NTC						0.0 a	0.0 a	0.0 a	11.0 a	0.0 b	0.0 b
10	ROUNDUP P-MAX3 AATREX LAUDIS	5.88 4 L 3.5 SC	SL	22.0 oz/a 64.0 oz/a 3.0 oz/a	POST2 C POST2 C POST2 C		0.0 a	0.0 a	0.0 a	11.0 a	0.0 b	0.0 b
11	LAUDIS AATREX WARRANT AGRIDEX	3.5 4 L 3 ME	SC	3.0 oz/a 64.0 oz/a 48.0 oz/a 1.0 % v/v	POST2 C POST2 C POST2 C POST2 C		0.0 a	0.0 a	0.0 a	10.8 a	0.0 b	0.0 b

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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

Missing data estimates are included in columns: Average=3

Could not calculate Tukey's HSD (% mean diff) for columns 2,7,8,11,12,13,18,19 because error mean square = 0.

^Calculated from residual.

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Location:		PONDER FARM		Investigator:		Eric P. Prostko										
Weed Code							-----	-----	-----	-----	-----	-----				
Crop Code							Zeama	Zeama	Zeama	Zeama	Zeama	Zeama				
Part Rated																
Rating Data Type							Chlorosis	Necrosis	Stunting	Stand	Stunting	Necrosis				
Rating Unit							%	%	%	#/5ft	%	%				
Rating Date							Apr-11-22	Apr-11-22	Apr-11-22	Apr-12-22	Apr-19-22	Apr-19-22				
Trt		Treatment		Form	Form	Rate	Grow	Appl	1	2	3	4	5	6		
No.		Name		Conc	Type	Rate Unit	Stg	Code								
12	RESTRAINT		6.498	EC	30.0	oz/a	POST2	C	0.0	a	0.0	a	10.8	a	0.0	b
	AATREX		4	L	64.0	oz/a	POST2	C								
	AGRIDEX				1.0	% v/v	POST2	C								
Tukey's HSD P=.10							2.21	.	3.74	1.45	6.57	4.04				
Standard Deviation							0.97	0.00	1.65	0.64	2.90	1.78				
CV							467.1	0.0	189.55	5.76	55.64	155.44				
Grand Mean							0.21	0.00	0.87	11.10	5.21	1.15				
Bartlett's X2^							34.477*	.	13.842	31.702*	14.222	22.47*				
P(Bartlett's X2)							0.00*	.	0.242	0.001*	0.221	0.021*				
Shapiro-Wilk^							0.6529*	.	0.9682	0.968	0.9602	0.8694*				
P(Shapiro-Wilk)^							0.0*	.	0.2268	0.2109	0.1027	0.0*				

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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

Missing data estimates are included in columns: Average=3

Could not calculate Tukey's HSD (% mean diff) for columns 2,7,8,11,12,13,18,19 because error mean square = 0.

^Calculated from residual.

University of Georgia

EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN												
Trial ID:		CN-08A-22		Study Dir.:		J. RICHBURG						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code						Amapa	Agrass	Rapra	-----	-----	-----	
Crop Code						-----	-----	-----	Zeama	Zeama	Zeama	
Part Rated									Plant, -	Leaf, -	Leaf, -	
Rating Data Type						Control	Control	Control	Stunting	Necrosis	Chlorsis	
Rating Unit						%	%	%	%	%	%	
Rating Date						Apr-19-22	Apr-19-22	Apr-19-22	Apr-25-22	Apr-25-22	Apr-25-22	
Trt	Treatment	Form	Form	Rate	Grow	Appl	7	8	9	10	11	12
No.	Name	Conc	Type	Rate Unit	Stg	Code						
1	RESICORE XL	3.25	ZC	96.0 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	10.0 a	0.0 a	0.0 a
	AATREX	4 L		32.0 oz/a	PRE	A						
2	RESICORE XL	3.25	ZC	64.0 oz/a	POST1	B	99.0 a	99.0 a	99.0 a	7.5 ab	0.0 a	0.0 a
	AATREX	4 L		32.0 oz/a	POST1	B						
	DURANGO DMA	4 SL		32.0 oz/a	POST1	B						
	INDUCE			0.25 % v/v	POST1	B						
	AMSOL			2.5 % v/v	POST1	B						
3	EVERPREX	7.62	EC	16.0 oz/a	PRE	A	99.0 a	99.0 a	45.0 b	5.0 ab	0.0 a	0.0 a
	RESICORE XL	3.25	ZC	48.0 oz/a	POST2	C						
	AATREX	4 L		32.0 oz/a	POST2	C						
	DURANGO DMA	4 SL		32.0 oz/a	POST2	C						
	INDUCE			0.25 % v/v	POST2	C						
	AMSOL			2.5 % v/v	POST2	C						
4	EVERPREX	7.62	EC	16.0 oz/a	PRE	A	99.0 a	99.0 a	25.0 bc	3.8 ab	0.0 a	0.0 a
	GF-5040	3.07	ZC	45.0 oz/a	POST2	C						
	AATREX	4 L		32.0 oz/a	POST2	C						
	DURANGO DMA	4 SL		32.0 oz/a	POST2	C						
	INDUCE			0.25 % v/v	POST2	C						
	AMSOL			2.5 % v/v	POST2	C						
5	EVERPREX	7.62	EC	16.0 oz/a	PRE	A	99.0 a	99.0 a	53.8 b	8.8 ab	0.0 a	0.0 a
	GF-5040	3.07	ZC	60.0 oz/a	POST2	C						
	AATREX	4 L		32.0 oz/a	POST2	C						
	DURANGO DMA	4 SL		32.0 oz/a	POST2	C						
	INDUCE			0.25 % v/v	POST2	C						
	AMSOL			2.5 % v/v	POST2	C						
6	ACURON	3.44	ZC	48.0 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	1.3 ab	0.0 a	0.0 a
	HALEX GT	4.38	SC	58.0 oz/a	POST2	C						
	INDUCE			0.25 % v/v	POST2	C						
	AMSOL			2.5 % v/v	POST2	C						
7	EVERPREX	7.62	EC	16.0 oz/a	PRE	A	99.0 a	99.0 a	49.8 b	6.3 ab	0.0 a	0.0 a
	GF-5040	3.07	ZC	45.0 oz/a	POST3	D						
	DURANGO DMA	4 SL		32.0 oz/a	POST3	D						
	INDUCE			0.25 % v/v	POST3	D						
	AMSOL			2.5 % v/v	POST3	D						
8	RESICORE XL	3.25	ZC	64.0 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	5.0 ab	0.0 a	0.0 a
	GF-5040	3.07	ZC	45.0 oz/a	POST3	D						
	DURANGO DMA	4 SL		32.0 oz/a	POST3	D						
	INDUCE			0.25 % v/v	POST3	D						
	AMSOL			2.5 % v/v	POST3	D						
9	NTC						0.0 b	0.0 b	0.0 c	0.0 b	0.0 a	0.0 a
10	ROUNDUP P-MAX3	5.88	SL	22.0 oz/a	POST2	C	0.0 b	0.0 b	0.0 c	0.0 b	0.0 a	0.0 a
	AATREX	4 L		64.0 oz/a	POST2	C						
	LAUDIS	3.5	SC	3.0 oz/a	POST2	C						
11	LAUDIS	3.5	SC	3.0 oz/a	POST2	C	0.0 b	0.0 b	0.0 c	0.0 b	0.0 a	0.0 a
	AATREX	4 L		64.0 oz/a	POST2	C						
	WARRANT	3	ME	48.0 oz/a	POST2	C						
	AGRIDEX			1.0 % v/v	POST2	C						

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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

Missing data estimates are included in columns: Average=3

Could not calculate Tukey's HSD (% mean diff) for columns 2,7,8,11,12,13,18,19 because error mean square = 0.

^Calculated from residual.

University of Georgia

EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN												
Trial ID:		CN-08A-22		Study Dir.:		J. RICHBURG						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code						Amapa	Agrass	Rapra	-----	-----	-----	
Crop Code						-----	-----	-----	Zeama	Zeama	Zeama	
Part Rated									Plant, -	Leaf, -	Leaf, -	
Rating Data Type						Control	Control	Control	Stunting	Necrosis	Chlorsis	
Rating Unit						%	%	%	%	%	%	
Rating Date						Apr-19-22	Apr-19-22	Apr-19-22	Apr-25-22	Apr-25-22	Apr-25-22	
Trt Treatment		Form	Form	Rate	Grow	Appl	7	8	9	10	11	12
No. Name		Conc	Type	Rate Unit	Stg	Code						
12	RESTRAINT	6.498	EC	30.0 oz/a	POST2 C		0.0 b	0.0 b	0.0 c	0.0 b	0.0 a	0.0 a
	AATREX	4	L	64.0 oz/a	POST2 C							
	AGRIDEX			1.0 % v/v	POST2 C							
Tukey's HSD P=.10							.	.	30.64	9.31	.	.
Standard Deviation							0.00	0.00	13.52	4.11	0.00	0.00
CV							0.0	0.0	28.48	103.72	0.0	0.0
Grand Mean							66.00	66.00	47.46	3.96	0.00	0.00
Bartlett's X2^							.	.	27.449*	11.193	.	.
P(Bartlett's X2)							.	.	0.004*	0.427	.	.
Shapiro-Wilk^							.	.	0.9117*	0.9665	.	.
P(Shapiro-Wilk)^							.	.	0.0015*	0.1841	.	.

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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

Missing data estimates are included in columns: Average=3

Could not calculate Tukey's HSD (% mean diff) for columns 2,7,8,11,12,13,18,19 because error mean square = 0.

^Calculated from residual.

University of Georgia

EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN												
Trial ID: Location:		CN-08A-22 PONDER FARM		Study Dir.: Investigator:		J. RICHBURG Eric P. Prostko						
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							Amapa ----- Control % Apr-25-22	Agrass ----- Control % Apr-25-22	Rapra ----- Control % Apr-25-22	----- ZEAMA Stunting % May-2-22	----- ZEAMA Chlorosis % May-2-22	----- ZEAMA Necrosis % May-2-22
Trt	Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	13	14	15	16	17	18
1	RESICORE XL AATREX	3.25 4 L	ZC	96.0 oz/a 32.0 oz/a	PRE PRE	A A	99.0 a	98.0 a	98.0 a	13.8 abc	1.3 ab	0.0 a
2	RESICORE XL AATREX DURANGO DMA INDUCE AMSOL	3.25 4 L 4 SL	ZC	64.0 oz/a 32.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	POST1 B POST1 B POST1 B POST1 B POST1 B	B B B B B	99.0 a	99.0 a	99.0 a	3.8 bcd	0.0 b	0.0 a
3	EVERPREX RESICORE XL AATREX DURANGO DMA INDUCE AMSOL	7.62 3.25 4 L 4 SL	EC ZC	16.0 oz/a 48.0 oz/a 32.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST2 C POST2 C POST2 C POST2 C POST2 C	A C C C C C	99.0 a	99.0 a	24.8 b	16.3 ab	6.3 a	0.0 a
4	EVERPREX GF-5040 AATREX DURANGO DMA INDUCE AMSOL	7.62 3.07 4 L 4 SL	EC ZC	16.0 oz/a 45.0 oz/a 32.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST2 C POST2 C POST2 C POST2 C POST2 C	A C C C C C	99.0 a	99.0 a	0.0 b	6.3 a-d	0.0 b	0.0 a
5	EVERPREX GF-5040 AATREX DURANGO DMA INDUCE AMSOL	7.62 3.07 4 L 4 SL	EC ZC	16.0 oz/a 60.0 oz/a 32.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST2 C POST2 C POST2 C POST2 C POST2 C	A C C C C C	99.0 a	99.0 a	46.0 ab	17.5 a	0.0 b	0.0 a
6	ACURON HALEX GT INDUCE AMSOL	3.44 4.38	ZC SC	48.0 oz/a 58.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST2 C POST2 C POST2 C	A C C C	99.0 a	99.0 a	98.0 a	2.5 cd	1.3 ab	0.0 a
7	EVERPREX GF-5040 DURANGO DMA INDUCE AMSOL	7.62 3.07 4 SL	EC ZC	16.0 oz/a 45.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST3 D POST3 D POST3 D POST3 D	A D D D D	99.0 a	99.0 a	24.8 b	7.5 a-d	1.3 ab	0.0 a
8	RESICORE XL GF-5040 DURANGO DMA INDUCE AMSOL	3.25 3.07 4 SL	ZC ZC	64.0 oz/a 45.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST3 D POST3 D POST3 D POST3 D	A D D D D	99.0 a	96.8 a	96.0 a	2.5 cd	0.0 b	0.0 a
9	NTC						0.0 b	0.0 b	0.0 b	0.0 d	0.0 b	0.0 a
10	ROUNDUP P-MAX3 AATREX LAUDIS	5.88 4 L 3.5 SC	SL	22.0 oz/a 64.0 oz/a 3.0 oz/a	POST2 C POST2 C POST2 C	C C C	0.0 b	0.0 b	0.0 b	13.8 abc	3.8 ab	0.0 a
11	LAUDIS AATREX WARRANT AGRIDEX	3.5 4 L 3 ME	SC	3.0 oz/a 64.0 oz/a 48.0 oz/a 1.0 % v/v	POST2 C POST2 C POST2 C POST2 C	C C C C	0.0 b	0.0 b	0.0 b	5.0 a-d	0.0 b	0.0 a

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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

Missing data estimates are included in columns: Average=3

Could not calculate Tukey's HSD (% mean diff) for columns 2,7,8,11,12,13,18,19 because error mean square = 0.

^Calculated from residual.

University of Georgia

EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN												
Trial ID:		CN-08A-22		Study Dir.:		J. RICHBURG						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							Amapa	Agrass	Rapra	-----	-----	-----
Crop Code							-----	-----	-----	ZEAMA	ZEAMA	ZEAMA
Part Rated												
Rating Data Type							Control	Control	Control	Stunting	Chlorosis	Necrosis
Rating Unit							%	%	%	%	%	%
Rating Date							Apr-25-22	Apr-25-22	Apr-25-22	May-2-22	May-2-22	May-2-22
Trt Treatment		Form	Form	Rate	Grow	Appl	13	14	15	16	17	18
No. Name		Conc	Type	Rate Unit	Stg	Code						
12	RESTRAINT	6.498	EC	30.0 oz/a	POST2 C		0.0 b	0.0 b	0.0 b	15.0 abc	1.3 ab	0.0 a
	AATREX	4	L	64.0 oz/a	POST2 C							
	AGRIDEX			1.0 % v/v	POST2 C							
Tukey's HSD P=.10							.	3.26	57.99	13.09	5.64	.
Standard Deviation							0.00	1.44	25.58	5.77	2.49	0.00
CV							0.0	2.19	63.1	66.79	198.99	0.0
Grand Mean							66.00	65.73	40.54	8.65	1.25	0.00
Bartlett's X2^							.	64.486*	51.363*	21.193*	43.377*	.
P(Bartlett's X2)							.	0.00*	0.00*	0.031*	0.00*	.
Shapiro-Wilk^							.	0.6237*	0.8309*	0.9806	0.8951*	.
P(Shapiro-Wilk)^							.	0.0*	0.0*	0.6043	0.0004*	.

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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Missing data estimates are included in columns: Average=3

Could not calculate Tukey's HSD (% mean diff) for columns 2,7,8,11,12,13,18,19 because error mean square = 0.

^Calculated from residual.

University of Georgia

EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN												
Trial ID: Location:		CN-08A-22 PONDER FARM		Study Dir.: Investigator:		J. RICHBURG Eric P. Prostko						
Weed Code							Amapa	Agrass	Rapra	-----	Amapa	Rapra
Crop Code							-----	-----	-----	-----	-----	-----
Part Rated										Zeama		
Rating Data Type							Control	Control	Control	Stunting	Control	Control
Rating Unit							Pefcent	%	%	%	%	%
Rating Date							May-2-22	May-2-22	May-2-22	May-16-22	May-16-22	May-16-22
Trt	Treatment	Form	Form	Rate	Grow	Appl	19	20	21	22	23	24
No.	Name	Conc	Type	Rate Unit	Stg	Code						
1	RESICORE XL	3.25	ZC	96.0 oz/a	PRE	A	99.0 a	83.5 bc	82.5 a	5.0 a	98.0 a	80.0 b
	AATREX	4	L	32.0 oz/a	PRE	A						
2	RESICORE XL	3.25	ZC	64.0 oz/a	POST1 B		99.0 a	96.8 ab	91.0 a	2.5 a	99.0 a	98.0 a
	AATREX	4	L	32.0 oz/a	POST1 B							
	DURANGO DMA	4	SL	32.0 oz/a	POST1 B							
	INDUCE			0.25 % v/v	POST1 B							
	AMSOL			2.5 % v/v	POST1 B							
3	EVERPREX	7.62	EC	16.0 oz/a	PRE	A	99.0 a	99.0 a	98.0 a	11.3 a	99.0 a	99.0 a
	RESICORE XL	3.25	ZC	48.0 oz/a	POST2 C							
	AATREX	4	L	32.0 oz/a	POST2 C							
	DURANGO DMA	4	SL	32.0 oz/a	POST2 C							
	INDUCE			0.25 % v/v	POST2 C							
	AMSOL			2.5 % v/v	POST2 C							
4	EVERPREX	7.62	EC	16.0 oz/a	PRE	A	99.0 a	99.0 a	99.0 a	6.3 a	99.0 a	99.0 a
	GF-5040	3.07	ZC	45.0 oz/a	POST2 C							
	AATREX	4	L	32.0 oz/a	POST2 C							
	DURANGO DMA	4	SL	32.0 oz/a	POST2 C							
	INDUCE			0.25 % v/v	POST2 C							
	AMSOL			2.5 % v/v	POST2 C							
5	EVERPREX	7.62	EC	16.0 oz/a	PRE	A	99.0 a	99.0 a	95.8 a	10.0 a	99.0 a	99.0 a
	GF-5040	3.07	ZC	60.0 oz/a	POST2 C							
	AATREX	4	L	32.0 oz/a	POST2 C							
	DURANGO DMA	4	SL	32.0 oz/a	POST2 C							
	INDUCE			0.25 % v/v	POST2 C							
	AMSOL			2.5 % v/v	POST2 C							
6	ACURON	3.44	ZC	48.0 oz/a	PRE	A	99.0 a	99.0 a	95.5 a	2.5 a	99.0 a	99.0 a
	HALEX GT	4.38	SC	58.0 oz/a	POST2 C							
	INDUCE			0.25 % v/v	POST2 C							
	AMSOL			2.5 % v/v	POST2 C							
7	EVERPREX	7.62	EC	16.0 oz/a	PRE	A	99.0 a	98.0 ab	21.3 b	7.5 a	99.0 a	94.8 a
	GF-5040	3.07	ZC	45.0 oz/a	POST3 D							
	DURANGO DMA	4	SL	32.0 oz/a	POST3 D							
	INDUCE			0.25 % v/v	POST3 D							
	AMSOL			2.5 % v/v	POST3 D							
8	RESICORE XL	3.25	ZC	64.0 oz/a	PRE	A	99.0 a	75.0 c	73.8 a	0.0 a	99.0 a	99.0 a
	GF-5040	3.07	ZC	45.0 oz/a	POST3 D							
	DURANGO DMA	4	SL	32.0 oz/a	POST3 D							
	INDUCE			0.25 % v/v	POST3 D							
	AMSOL			2.5 % v/v	POST3 D							
9	NTC						0.0 b	0.0 d	0.0 b	0.0 a	0.0 b	0.0 c
10	ROUNDUP P-MAX3	5.88	SL	22.0 oz/a	POST2 C		99.0 a	95.5 ab	91.0 a	5.0 a	99.0 a	99.0 a
	AATREX	4	L	64.0 oz/a	POST2 C							
	LAUDIS	3.5	SC	3.0 oz/a	POST2 C							
11	LAUDIS	3.5	SC	3.0 oz/a	POST2 C		99.0 a	94.5 ab	86.0 a	0.0 a	99.0 a	98.0 a
	AATREX	4	L	64.0 oz/a	POST2 C							
	WARRANT	3	ME	48.0 oz/a	POST2 C							
	AGRIDEX			1.0 % v/v	POST2 C							

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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

Missing data estimates are included in columns: Average=3

Could not calculate Tukey's HSD (% mean diff) for columns 2,7,8,11,12,13,18,19 because error mean square = 0.

^Calculated from residual.

University of Georgia

EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN												
Trial ID:		CN-08A-22			Study Dir.:			J. RICHBURG				
Location:		PONDER FARM			Investigator:			Eric P. Prostko				
Weed Code							Amapa	Agrass	Rapra	-----	Amapa	Rapra
Crop Code							-----	-----	-----	Zeama	-----	-----
Part Rated										Plant, -		
Rating Data Type							Control	Control	Control	Stunting	Control	Control
Rating Unit							Pefcent	%	%	%	%	%
Rating Date							May-2-22	May-2-22	May-2-22	May-16-22	May-16-22	May-16-22
Trt	Treatment	Form	Form	Rate	Grow	Appl	19	20	21	22	23	24
No.	Name	Conc	Type	Rate Unit	Stg	Code						
12	RESTRAINT	6.498	EC	30.0 oz/a	POST2	C	99.0 a	95.5 ab	95.5 a	8.8 a	99.0 a	96.8 a
	AATREX	4 L		64.0 oz/a	POST2	C						
	AGRIDEX			1.0 % v/v	POST2	C						
Tukey's HSD P=.10							.	14.51	31.47	12.92	1.31	8.50
Standard Deviation							0.00	6.40	13.89	5.70	0.58	3.75
CV							0.0	7.42	17.93	116.38	0.64	4.24
Grand Mean							90.75	86.23	77.44	4.90	90.67	88.46
Bartlett's X2^							.	31.842*	40.077*	5.863	64.208*	35.912*
P(Bartlett's X2)							.	0.001*	0.00*	0.882	0.00*	0.00*
Shapiro-Wilk^							.	0.9171*	0.7483*	0.9806	0.4863*	0.8406*
P(Shapiro-Wilk)^							.	0.0024*	0.0*	0.6035	0.0*	0.0*

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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

Missing data estimates are included in columns: Average=3

Could not calculate Tukey's HSD (% mean diff) for columns 2,7,8,11,12,13,18,19 because error mean square = 0.

^Calculated from residual.

University of Georgia

EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN											
Trial ID: CN-08A-22		Study Dir.: J. RICHBURG									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code							AGRASS	Amapa	Agrass	-----	-----
Crop Code							-----	-----	-----	Zeama	Zeama
Part Rated										Plot, -	Plot, -
Rating Data Type							Control	Control	Control	Yield	YIELD
Rating Unit							%	%	%	Lbs/plot	BU/A
Rating Date							May-16-22	Jun-7-22	Jun-7-22	Aug-30-22	Aug-30-22
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	25	26	27	28	29
1	RESICORE XL AATREX	3.25 4 L	ZC	96.0 oz/a 32.0 oz/a	PRE PRE	A A	67.5 b	95.0 b	60.0 d	38.8 ab	196.3 ab
2	RESICORE XL AATREX DURANGO DMA INDUCE AMSOL	3.25 4 L 4 SL	ZC	64.0 oz/a 32.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	POST1 B POST1 B POST1 B POST1 B POST1 B		99.0 a	97.5 ab	83.8 bc	42.0 a	212.7 a
3	EVERPREX RESICORE XL AATREX DURANGO DMA INDUCE AMSOL	7.62 3.25 4 L 4 SL	EC ZC	16.0 oz/a 48.0 oz/a 32.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST2 C POST2 C POST2 C POST2 C POST2 C	A C C C C C	99.0 a	100.0 a	97.3 ab	38.5 ab	195.0 ab
4	EVERPREX GF-5040 AATREX DURANGO DMA INDUCE AMSOL	7.62 3.07 4 L 4 SL	EC ZC	16.0 oz/a 45.0 oz/a 32.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST2 C POST2 C POST2 C POST2 C POST2 C	A C C C C C	98.0 a	100.0 a	97.5 ab	44.0 a	222.9 a
5	EVERPREX GF-5040 AATREX DURANGO DMA INDUCE AMSOL	7.62 3.07 4 L 4 SL	EC ZC	16.0 oz/a 60.0 oz/a 32.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST2 C POST2 C POST2 C POST2 C POST2 C	A C C C C C	99.0 a	100.0 a	98.8 a	41.5 a	210.2 a
6	ACURON HALEX GT INDUCE AMSOL	3.44 4.38	ZC SC	48.0 oz/a 58.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST2 C POST2 C POST2 C	A C C C	99.0 a	100.0 a	98.8 a	44.3 a	224.1 a
7	EVERPREX GF-5040 DURANGO DMA INDUCE AMSOL	7.62 3.07 4 SL	EC ZC	16.0 oz/a 45.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST3 D POST3 D POST3 D POST3 D	A D D D D	99.0 a	100.0 a	100.0 a	42.5 a	215.3 a
8	RESICORE XL GF-5040 DURANGO DMA INDUCE AMSOL	3.25 3.07 4 SL	ZC ZC	64.0 oz/a 45.0 oz/a 32.0 oz/a 0.25 % v/v 2.5 % v/v	PRE POST3 D POST3 D POST3 D POST3 D	A D D D D	99.0 a	100.0 a	90.0 abc	41.8 a	211.5 a
9	NTC						0.0 c	0.0 c	0.0 e	33.3 b	168.4 b
10	ROUNDUP P-MAX3 AATREX LAUDIS	5.88 4 L 3.5 SC	SL	22.0 oz/a 64.0 oz/a 3.0 oz/a	POST2 C POST2 C POST2 C		98.0 a	100.0 a	77.5 c	39.8 ab	201.3 ab
11	LAUDIS AATREX WARRANT AGRIDEX	3.5 4 L 3 ME	SC	3.0 oz/a 64.0 oz/a 48.0 oz/a 1.0 % v/v	POST2 C POST2 C POST2 C POST2 C		93.3 a	100.0 a	82.5 c	40.0 ab	202.6 ab

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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

Missing data estimates are included in columns: Average=3

Could not calculate Tukey's HSD (% mean diff) for columns 2,7,8,11,12,13,18,19 because error mean square = 0.

^Calculated from residual.

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN										
Trial ID:		CN-08A-22		Study Dir.:		J. RICHBURG				
Location:		PONDER FARM		Investigator:		Eric P. Prostko				
Weed Code						AGRASS	Amapa	Agrass	-----	-----
Crop Code						-----	-----	-----	Zeama	Zeama
Part Rated									Plot, -	Plot, -
Rating Data Type						Control	Control	Control	Yield	YIELD
Rating Unit						%	%	%	Lbs/plot	BU/A
Rating Date						May-16-22	Jun-7-22	Jun-7-22	Aug-30-22	Aug-30-22
Trt	Treatment	Form	Form	Rate	Grow	Appl	25	26	27	28
No.	Name	Conc	Type	Rate Unit	Stg	Code				29
12	RESTRAINT	6.498	EC	30.0 oz/a	POST2	C	95.8 a	100.0 a	86.3 abc	40.5 ab
	AATREX	4 L		64.0 oz/a	POST2	C				205.1 ab
	AGRIDEX			1.0 % v/v	POST2	C				
Tukey's HSD P=.10							15.10	4.93	13.76	7.45
Standard Deviation							6.66	2.18	6.07	3.28
CV							7.64	2.39	7.49	8.1
Grand Mean							87.21	91.04	81.02	40.56
Bartlett's X2^							58.188*	49.873*	29.497*	9.96
P(Bartlett's X2)							0.00*	0.00*	0.002*	0.534
Shapiro-Wilk^							0.7908*	0.6846*	0.9641	0.9787
P(Shapiro-Wilk)^							0.0*	0.0*	0.1483	0.5262

Means followed by same letter or symbol do not significantly differ (P=.10, Tukey's HSD).

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

Missing data estimates are included in columns: Average=3

Could not calculate Tukey's HSD (% mean diff) for columns 2,7,8,11,12,13,18,19 because error mean square = 0.

^Calculated from residual.

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN					
Trial ID:	CN-08A-22	Study Dir.:	J. RICHBURG		
Location:	PONDER FARM	Investigator:	Eric P. Prostko		
Randomized Complete Block (RCB) AOV For ----- Zeama Chlorosis % Apr-11-22 (Data Column 1)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	47.916667			
Replicate	3	6.250000	2.083333	2.200	0.1066
Treatment	11	10.416667	0.946970	1.000	0.4671
Error	33	31.250000	0.946970		
Randomized Complete Block (RCB) AOV For ----- Zeama Necrosis % Apr-11-22 (Data Column 2)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	0.000000000000			
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000
Treatment	11	0.000000000000	0.000000000000	0.000	1.0000
Error	33	0.000000000000	0.000000000000		
Randomized Complete Block (RCB) AOV For ----- Zeama Stunting % Apr-11-22 (Data Column 3)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	46	166.608796			
Replicate	3	23.784722	7.928241	2.929	0.0486
Treatment	11	56.192130	5.108375	1.887	0.0796
Error	32	86.631944	2.707248		
Randomized Complete Block (RCB) AOV For ----- Zeama Stand #/5ft Apr-12-22 (Data Column 4)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	18.479167			
Replicate	3	0.229167	0.076389	0.186	0.9049
Treatment	11	4.729167	0.429924	1.049	0.4288
Error	33	13.520833	0.409722		
Randomized Complete Block (RCB) AOV For ----- Zeama Stunting % Apr-19-22 (Data Column 5)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	1097.916667			
Replicate	3	85.416667	28.472222	3.391	0.0293
Treatment	11	735.416667	66.856061	7.962	0.0001
Error	33	277.083333	8.396465		
Randomized Complete Block (RCB) AOV For ----- Zeama Necrosis % Apr-19-22 (Data Column 6)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	311.979167			
Replicate	3	14.062500	4.687500	1.478	0.2386
Treatment	11	193.229167	17.566288	5.537	0.0001
Error	33	104.687500	3.172348		
Randomized Complete Block (RCB) AOV For Amapa ----- Control % Apr-19-22 (Data Column 7)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	104544.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	11	104544.000000	9504.000000	0.000	1.0000
Error	33	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For Agrass ----- Control % Apr-19-22 (Data Column 8)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	104544.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	11	104544.000000	9504.000000	0.000	1.0000
Error	33	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For Rapra ----- Control % Apr-19-22 (Data Column 9)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	87931.916667			
Replicate	3	1141.416667	380.472222	2.083	0.1214
Treatment	11	80762.416667	7342.037879	40.193	0.0001
Error	33	6028.083333	182.669192		
Randomized Complete Block (RCB) AOV For ----- Zeama Plant Stunting % Apr-25-22 (Data Column 10)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	1297.916667			
Replicate	3	143.750000	47.916667	2.843	0.0527
Treatment	11	597.916667	54.356061	3.225	0.0045
Error	33	556.250000	16.856061		

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN					
Trial ID:	CN-08A-22	Study Dir.:	J. RICHBURG		
Location:	PONDER FARM	Investigator:	Eric P. Prostko		
Randomized Complete Block (RCB) AOV For ----- Zeama Leaf Necrosis % Apr-25-22 (Data Column 11)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	0.000000000000			
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000
Treatment	11	0.000000000000	0.000000000000	0.000	1.0000
Error	33	0.000000000000	0.000000000000		
Randomized Complete Block (RCB) AOV For ----- Zeama Leaf Chlorsis % Apr-25-22 (Data Column 12)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	0.000000000000			
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000
Treatment	11	0.000000000000	0.000000000000	0.000	1.0000
Error	33	0.000000000000	0.000000000000		
Randomized Complete Block (RCB) AOV For Amapa ----- Control % Apr-25-22 (Data Column 13)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	104544.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	11	104544.000000	9504.000000	0.000	1.0000
Error	33	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For Agrass ----- Control % Apr-25-22 (Data Column 14)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	103779.479167			
Replicate	3	4.562500	1.520833	0.736	0.5381
Treatment	11	103706.729167	9427.884470	4562.716	0.0001
Error	33	68.187500	2.066288		
Randomized Complete Block (RCB) AOV For Rapra ----- Control % Apr-25-22 (Data Column 15)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	110669.916667			
Replicate	3	1703.750000	567.916667	0.868	0.4675
Treatment	11	87370.416667	7942.765152	12.137	0.0001
Error	33	21595.750000	654.416667		
Randomized Complete Block (RCB) AOV For ----- ZEAMA Stunting % May-2-22 (Data Column 16)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	2886.979167			
Replicate	3	93.229167	31.076389	0.932	0.4363
Treatment	11	1693.229167	153.929924	4.616	0.0003
Error	33	1100.520833	33.349116		
Randomized Complete Block (RCB) AOV For ----- ZEAMA Chlorosis % May-2-22 (Data Column 17)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	375.000000			
Replicate	3	8.333333	2.777778	0.449	0.7197
Treatment	11	162.500000	14.772727	2.388	0.0264
Error	33	204.166667	6.186869		
Randomized Complete Block (RCB) AOV For ----- ZEAMA Necrosis % May-2-22 (Data Column 18)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	0.000000000000			
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000
Treatment	11	0.000000000000	0.000000000000	0.000	1.0000
Error	33	0.000000000000	0.000000000000		
Randomized Complete Block (RCB) AOV For Amapa ----- Control Pefcent May-2-22 (Data Column 19)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35937.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	11	35937.000000	3267.000000	0.000	1.0000
Error	33	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For Agrass ----- Control % May-2-22 (Data Column 20)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	36328.479167			
Replicate	3	132.729167	44.243056	1.080	0.3711
Treatment	11	34843.729167	3167.611742	77.315	0.0001
Error	33	1352.020833	40.970328		

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN						
Trial ID:		CN-08A-22		Study Dir.:		J. RICHBURG
Location:		PONDER FARM		Investigator:		Eric P. Prostko
Randomized Complete Block (RCB) AOV For Rapra ----- Control % May-2-22 (Data Column 21)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	53057.812500				
Replicate	3	656.229167	218.743056	1.134	0.3494	
Treatment	11	46038.562500	4185.323864	21.706	0.0001	
Error	33	6363.020833	192.818813			
Randomized Complete Block (RCB) AOV For ----- Zeama Plant Stunting % May-16-22 (Data Column 22)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	2174.479167				
Replicate	3	409.895833	136.631944	4.209	0.0126	
Treatment	11	693.229167	63.020833	1.941	0.0696	
Error	33	1071.354167	32.465278			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % May-16-22 (Data Column 23)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	35886.666667				
Replicate	3	1.000000	0.333333	1.000	0.4051	
Treatment	11	35874.666667	3261.333333	9784.001	0.0001	
Error	33	11.000000	0.333333			
Randomized Complete Block (RCB) AOV For Rapra ----- Control % May-16-22 (Data Column 24)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	35989.916667				
Replicate	3	111.583333	37.194444	2.646	0.0653	
Treatment	11	35414.416667	3219.492424	229.014	0.0001	
Error	33	463.916667	14.058081			
Randomized Complete Block (RCB) AOV For AGRASS ----- Control % May-16-22 (Data Column 25)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	38229.916667				
Replicate	3	83.416667	27.805556	0.626	0.6031	
Treatment	11	36681.416667	3334.674242	75.111	0.0001	
Error	33	1465.083333	44.396465			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % Jun-7-22 (Data Column 26)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	36447.916667				
Replicate	3	18.750000	6.250000	1.320	0.2844	
Treatment	11	36272.916667	3297.537879	696.440	0.0001	
Error	33	156.250000	4.734848			
Randomized Complete Block (RCB) AOV For Agrass ----- Control % Jun-7-22 (Data Column 27)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	36110.979167				
Replicate	3	255.062500	85.020833	2.308	0.0946	
Treatment	11	34640.229167	3149.111742	85.483	0.0001	
Error	33	1215.687500	36.839015			
Randomized Complete Block (RCB) AOV For ----- Zeama Plot Yield Lbs/plot Aug-30-22 (Data Column 28)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	1065.812500				
Replicate	3	327.729167	109.243056	10.126	0.0001	
Treatment	11	382.062500	34.732955	3.219	0.0045	
Error	33	356.020833	10.788510			
Randomized Complete Block (RCB) AOV For ----- Zeama Plot YIELD BU/A Aug-30-22 (Data Column 29)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	27340.613284				
Replicate	3	8407.028823	2802.342941	10.126	0.0001	
Treatment	11	9800.807424	890.982493	3.219	0.0045	
Error	33	9132.777036	276.750819			
Part Rated Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf) Leaf = LEAF / FOLIAGE <u>Rating Data Type</u> Yield = YIELD <u>Rating Unit</u> % = PERCENT <u>ARM Action Codes</u> TY1 = 5.06481657*[28]						

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN												
Trial ID:		CN-08A-22		Study Dir.:		J. RICHBURG						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							-----	-----	-----	-----	-----	
Crop Code							Zeama	Zeama	Zeama	Zeama	Zeama	
Part Rated												
Rating Data Type							Chlorosis	Necrosis	Stunting	Stand	Stunting	
Rating Unit							%	%	%	#/5ft	%	
Rating Date							Apr-11-22	Apr-11-22	Apr-11-22	Apr-12-22	Apr-19-22	
Trt	Treatment	Form	Form	Rate	Grow	Appl						
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	1	2	3	4	5	
1	RESICORE XL	3.25	ZC	96.0 oz/a	PRE	A 101	0.0	0.0	0.0	11.0	10.0	
	AATREX	4 L		32.0 oz/a	PRE	A 212	0.0	0.0	0.0	11.0	10.0	
						303	0.0	0.0	0.0	11.0	10.0	
						408	0.0	0.0	0.0	11.0	10.0	
						Mean =	0.0	0.0	0.0	11.0	10.0	
2	RESICORE XL	3.25	ZC	64.0 oz/a	POST1 B	102	0.0	0.0	0.0	11.0	5.0	
	AATREX	4 L		32.0 oz/a	POST1 B	203	0.0	0.0	0.0	12.0	10.0	
	DURANGO DMA	4 SL		32.0 oz/a	POST1 B	312	0.0	0.0	0.0	11.0	0.0	
	INDUCE			0.25 % v/v	POST1 B	404	0.0	0.0	0.0	11.0	10.0	
	AMSOL			2.5 % v/v	POST1 B							
						Mean =	0.0	0.0	0.0	11.3	6.3	
3	EVERPREX	7.62	EC	16.0 oz/a	PRE	A 103	0.0	0.0	5.0	11.0	0.0	
	RESICORE XL	3.25	ZC	48.0 oz/a	POST2 C	201	0.0	0.0	5.0	11.0	15.0	
	AATREX	4 L		32.0 oz/a	POST2 C	307	0.0	0.0	0.0	11.0	5.0	
	DURANGO DMA	4 SL		32.0 oz/a	POST2 C	406	0.0	0.0	0.0	11.0	10.0	
	INDUCE			0.25 % v/v	POST2 C							
	AMSOL			2.5 % v/v	POST2 C							
						Mean =	0.0	0.0	2.5	11.0	7.5	
4	EVERPREX	7.62	EC	16.0 oz/a	PRE	A 104	0.0	0.0	0.0	12.0	0.0	
	GF-5040	3.07	ZC	45.0 oz/a	POST2 C	207	5.0	0.0	5.0	11.0	10.0	
	AATREX	4 L		32.0 oz/a	POST2 C	305	0.0	0.0	0.0	11.0	5.0	
	DURANGO DMA	4 SL		32.0 oz/a	POST2 C	403	0.0	0.0	0.0	12.0	5.0	
	INDUCE			0.25 % v/v	POST2 C							
	AMSOL			2.5 % v/v	POST2 C							
						Mean =	1.3	0.0	1.3	11.5	5.0	
5	EVERPREX	7.62	EC	16.0 oz/a	PRE	A 105	0.0	0.0	5.0	11.0	5.0	
	GF-5040	3.07	ZC	60.0 oz/a	POST2 C	209	0.0	0.0	0.0	11.0	10.0	
	AATREX	4 L		32.0 oz/a	POST2 C	311	0.0	0.0	0.0	11.0	10.0	
	DURANGO DMA	4 SL		32.0 oz/a	POST2 C	409	0.0	0.0	0.0	11.0	10.0	
	INDUCE			0.25 % v/v	POST2 C							
	AMSOL			2.5 % v/v	POST2 C							
						Mean =	0.0	0.0	1.7	11.0	8.8	
6	ACURON	3.44	ZC	48.0 oz/a	PRE	A 106	0.0	0.0	0.0	12.0	5.0	
	HALEX GT	4.38	SC	58.0 oz/a	POST2 C	208	5.0	0.0	5.0	11.0	5.0	
	INDUCE			0.25 % v/v	POST2 C	304	0.0	0.0	5.0	12.0	10.0	
	AMSOL			2.5 % v/v	POST2 C	405	0.0	0.0	0.0	11.0	10.0	
						Mean =	1.3	0.0	2.5	11.5	7.5	
7	EVERPREX	7.62	EC	16.0 oz/a	PRE	A 107	0.0	0.0	0.0	13.0	5.0	
	GF-5040	3.07	ZC	45.0 oz/a	POST3 D	211	0.0	0.0	0.0	11.0	5.0	
	DURANGO DMA	4 SL		32.0 oz/a	POST3 D	306	0.0	0.0	0.0	12.0	5.0	
	INDUCE			0.25 % v/v	POST3 D	401	0.0	0.0	0.0	11.0	15.0	
	AMSOL			2.5 % v/v	POST3 D							
						Mean =	0.0	0.0	0.0	11.8	7.5	
8	RESICORE XL	3.25	ZC	64.0 oz/a	PRE	A 108	0.0	0.0	5.0	10.0	10.0	
	GF-5040	3.07	ZC	45.0 oz/a	POST3 D	205	0.0	0.0	5.0	11.0	10.0	
	DURANGO DMA	4 SL		32.0 oz/a	POST3 D	308	0.0	0.0	0.0	11.0	10.0	
	INDUCE			0.25 % v/v	POST3 D	412	0.0	0.0	0.0	11.0	10.0	
	AMSOL			2.5 % v/v	POST3 D							
						Mean =	0.0	0.0	2.5	10.8	10.0	
9	NTC					109	0.0	0.0	0.0	10.0	0.0	
						206	0.0	0.0	0.0	12.0	0.0	
						302	0.0	0.0	0.0	10.0	0.0	
						407	0.0	0.0	0.0	12.0	0.0	
						Mean =	0.0	0.0	0.0	11.0	0.0	

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN

Trial ID: CN-08A-22 Study Dir.: J. RICHBURG
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code							-----	-----	-----	-----	-----	
Crop Code							Zeama	Zeama	Zeama	Zeama	Zeama	
Part Rated							Chlorosis	Necrosis	Stunting	Stand	Stunting	
Rating Data Type							%	%	%	#/5ft	%	
Rating Unit							Apr-11-22	Apr-11-22	Apr-11-22	Apr-12-22	Apr-19-22	
Rating Date												
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code Plot	1	2	3	4	5
10	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	POST2 C		110	0.0	0.0	0.0	10.0	0.0
	AATREX	4 L		64.0 oz/a	POST2 C		202	0.0	0.0	0.0	11.0	0.0
	LAUDIS	3.5 SC		3.0 oz/a	POST2 C		309	0.0	0.0	0.0	12.0	0.0
							410	0.0	0.0	0.0	11.0	0.0
							Mean =	0.0	0.0	0.0	11.0	0.0
11	LAUDIS	3.5 SC		3.0 oz/a	POST2 C		111	0.0	0.0	0.0	10.0	0.0
	AATREX	4 L		64.0 oz/a	POST2 C		210	0.0	0.0	0.0	11.0	0.0
	WARRANT	3 ME		48.0 oz/a	POST2 C		301	0.0	0.0	0.0	11.0	0.0
	AGRIDEX			1.0 % v/v	POST2 C		411	0.0	0.0	0.0	11.0	0.0
							Mean =	0.0	0.0	0.0	10.8	0.0
12	RESTRAINT	6.498 EC		30.0 oz/a	POST2 C		112	0.0	0.0	0.0	11.0	0.0
	AATREX	4 L		64.0 oz/a	POST2 C		204	0.0	0.0	0.0	11.0	0.0
	AGRIDEX			1.0 % v/v	POST2 C		310	0.0	0.0	0.0	10.0	0.0
							402	0.0	0.0	0.0	11.0	0.0
							Mean =	0.0	0.0	0.0	10.8	0.0

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN										
Trial ID: CN-08A-22		Study Dir.: J. RICHBURG								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code						-----	Amapa	Agrass	Rapra	-----
Crop Code						Zeama	-----	-----	-----	Zeama
Part Rated						Necrosis	Control	Control	Control	Plant, -
Rating Data Type						%	%	%	%	Stunting
Rating Unit						Apr-19-22	Apr-19-22	Apr-19-22	Apr-19-22	%
Rating Date										Apr-25-22
Trt Treatment	Form Form	Rate	Grow	Appl						
No. Name	Conc Type	Rate Unit	Stg	Code Plot		6	7	8	9	10
1 RESICORE XL	3.25 ZC	96.0 oz/a	PRE	A 101		0.0	99.0	99.0	99.0	15.0
AATREX	4 L	32.0 oz/a	PRE	A 212		0.0	99.0	99.0	99.0	10.0
				303		0.0	99.0	99.0	99.0	5.0
				408		5.0	99.0	99.0	99.0	10.0
				Mean =		1.3	99.0	99.0	99.0	10.0
2 RESICORE XL	3.25 ZC	64.0 oz/a	POST1 B	102		5.0	99.0	99.0	99.0	10.0
AATREX	4 L	32.0 oz/a	POST1 B	203		5.0	99.0	99.0	99.0	10.0
DURANGO DMA	4 SL	32.0 oz/a	POST1 B	312		10.0	99.0	99.0	99.0	5.0
INDUCE		0.25 % v/v	POST1 B	404		10.0	99.0	99.0	99.0	5.0
AMSOL		2.5 % v/v	POST1 B							
				Mean =		7.5	99.0	99.0	99.0	7.5
3 EVERPREX	7.62 EC	16.0 oz/a	PRE	A 103		0.0	99.0	99.0	50.0	0.0
RESICORE XL	3.25 ZC	48.0 oz/a	POST2 C	201		0.0	99.0	99.0	50.0	15.0
AATREX	4 L	32.0 oz/a	POST2 C	307		0.0	99.0	99.0	30.0	0.0
DURANGO DMA	4 SL	32.0 oz/a	POST2 C	406		0.0	99.0	99.0	50.0	5.0
INDUCE		0.25 % v/v	POST2 C							
AMSOL		2.5 % v/v	POST2 C							
				Mean =		0.0	99.0	99.0	45.0	5.0
4 EVERPREX	7.62 EC	16.0 oz/a	PRE	A 104		0.0	99.0	99.0	0.0	0.0
GF-5040	3.07 ZC	45.0 oz/a	POST2 C	207		0.0	99.0	99.0	50.0	10.0
AATREX	4 L	32.0 oz/a	POST2 C	305		0.0	99.0	99.0	50.0	0.0
DURANGO DMA	4 SL	32.0 oz/a	POST2 C	403		0.0	99.0	99.0	0.0	5.0
INDUCE		0.25 % v/v	POST2 C							
AMSOL		2.5 % v/v	POST2 C							
				Mean =		0.0	99.0	99.0	25.0	3.8
5 EVERPREX	7.62 EC	16.0 oz/a	PRE	A 105		0.0	99.0	99.0	30.0	0.0
GF-5040	3.07 ZC	60.0 oz/a	POST2 C	209		0.0	99.0	99.0	60.0	10.0
AATREX	4 L	32.0 oz/a	POST2 C	311		5.0	99.0	99.0	75.0	10.0
DURANGO DMA	4 SL	32.0 oz/a	POST2 C	409		0.0	99.0	99.0	50.0	15.0
INDUCE		0.25 % v/v	POST2 C							
AMSOL		2.5 % v/v	POST2 C							
				Mean =		1.3	99.0	99.0	53.8	8.8
6 ACURON	3.44 ZC	48.0 oz/a	PRE	A 106		0.0	99.0	99.0	99.0	0.0
HALEX GT	4.38 SC	58.0 oz/a	POST2 C	208		0.0	99.0	99.0	99.0	0.0
INDUCE		0.25 % v/v	POST2 C	304		0.0	99.0	99.0	99.0	0.0
AMSOL		2.5 % v/v	POST2 C	405		5.0	99.0	99.0	99.0	5.0
				Mean =		1.3	99.0	99.0	99.0	1.3
7 EVERPREX	7.62 EC	16.0 oz/a	PRE	A 107		0.0	99.0	99.0	30.0	0.0
GF-5040	3.07 ZC	45.0 oz/a	POST3 D	211		5.0	99.0	99.0	99.0	10.0
DURANGO DMA	4 SL	32.0 oz/a	POST3 D	306		0.0	99.0	99.0	40.0	0.0
INDUCE		0.25 % v/v	POST3 D	401		0.0	99.0	99.0	30.0	15.0
AMSOL		2.5 % v/v	POST3 D							
				Mean =		1.3	99.0	99.0	49.8	6.3
8 RESICORE XL	3.25 ZC	64.0 oz/a	PRE	A 108		0.0	99.0	99.0	99.0	0.0
GF-5040	3.07 ZC	45.0 oz/a	POST3 D	205		0.0	99.0	99.0	99.0	10.0
DURANGO DMA	4 SL	32.0 oz/a	POST3 D	308		5.0	99.0	99.0	99.0	10.0
INDUCE		0.25 % v/v	POST3 D	412		0.0	99.0	99.0	99.0	0.0
AMSOL		2.5 % v/v	POST3 D							
				Mean =		1.3	99.0	99.0	99.0	5.0
9 NTC				109		0.0	0.0	0.0	0.0	0.0
				206		0.0	0.0	0.0	0.0	0.0
				302		0.0	0.0	0.0	0.0	0.0
				407		0.0	0.0	0.0	0.0	0.0
				Mean =		0.0	0.0	0.0	0.0	0.0

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN

Trial ID: CN-08A-22 Study Dir.: J. RICHBURG
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							----- Zeama Necrosis % Apr-19-22	Amapa ----- Control % Apr-19-22	Agrass ----- Control % Apr-19-22	Rapra ----- Control % Apr-19-22	----- Zeama Plant, - Stunting % Apr-25-22	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code Plot	6	7	8	9	10
10	ROUNDUP P-MAX3	5.88	SL	22.0	oz/a	POST2	C 110	0.0	0.0	0.0	0.0	0.0
	AATREX		4 L	64.0	oz/a	POST2	C 202	0.0	0.0	0.0	0.0	0.0
	LAUDIS		3.5 SC	3.0	oz/a	POST2	C 309	0.0	0.0	0.0	0.0	0.0
							410	0.0	0.0	0.0	0.0	0.0
							Mean =	0.0	0.0	0.0	0.0	0.0
11	LAUDIS	3.5	SC	3.0	oz/a	POST2	C 111	0.0	0.0	0.0	0.0	0.0
	AATREX		4 L	64.0	oz/a	POST2	C 210	0.0	0.0	0.0	0.0	0.0
	WARRANT		3 ME	48.0	oz/a	POST2	C 301	0.0	0.0	0.0	0.0	0.0
	AGRIDEX			1.0	% v/v	POST2	C 411	0.0	0.0	0.0	0.0	0.0
							Mean =	0.0	0.0	0.0	0.0	0.0
12	RESTRAINT	6.498	EC	30.0	oz/a	POST2	C 112	0.0	0.0	0.0	0.0	0.0
	AATREX		4 L	64.0	oz/a	POST2	C 204	0.0	0.0	0.0	0.0	0.0
	AGRIDEX			1.0	% v/v	POST2	C 310	0.0	0.0	0.0	0.0	0.0
							402	0.0	0.0	0.0	0.0	0.0
							Mean =	0.0	0.0	0.0	0.0	0.0

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN										
Trial ID: CN-08A-22		Study Dir.: J. RICHBURG								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code						-----	-----	Amapa	Agrass	Rapra
Crop Code						Zeama	Zeama	-----	-----	-----
Part Rated						Leaf, -	Leaf, -			
Rating Data Type						Necrosis	Chlorosis	Control	Control	Control
Rating Unit						%	%	%	%	%
Rating Date						Apr-25-22	Apr-25-22	Apr-25-22	Apr-25-22	Apr-25-22
Trt Treatment	Form Form	Rate	Grow	Appl						
No. Name	Conc Type	Rate Unit	Stg	Code Plot		11	12	13	14	15
1 RESICORE XL	3.25 ZC	96.0 oz/a	PRE	A 101	0.0	0.0	99.0	95.0	95.0	
AATREX	4 L	32.0 oz/a	PRE	A 212	0.0	0.0	99.0	99.0	99.0	
				303	0.0	0.0	99.0	99.0	99.0	
				408	0.0	0.0	99.0	99.0	99.0	
				Mean =	0.0	0.0	99.0	98.0	98.0	
2 RESICORE XL	3.25 ZC	64.0 oz/a	POST1 B	102	0.0	0.0	99.0	99.0	99.0	
AATREX	4 L	32.0 oz/a	POST1 B	203	0.0	0.0	99.0	99.0	99.0	
DURANGO DMA	4 SL	32.0 oz/a	POST1 B	312	0.0	0.0	99.0	99.0	99.0	
INDUCE		0.25 % v/v	POST1 B	404	0.0	0.0	99.0	99.0	99.0	
AMSOL		2.5 % v/v	POST1 B							
				Mean =	0.0	0.0	99.0	99.0	99.0	
3 EVERPREX	7.62 EC	16.0 oz/a	PRE	A 103	0.0	0.0	99.0	99.0	0.0	
RESICORE XL	3.25 ZC	48.0 oz/a	POST2 C	201	0.0	0.0	99.0	99.0	0.0	
AATREX	4 L	32.0 oz/a	POST2 C	307	0.0	0.0	99.0	99.0	0.0	
DURANGO DMA	4 SL	32.0 oz/a	POST2 C	406	0.0	0.0	99.0	99.0	99.0	
INDUCE		0.25 % v/v	POST2 C							
AMSOL		2.5 % v/v	POST2 C							
				Mean =	0.0	0.0	99.0	99.0	24.8	
4 EVERPREX	7.62 EC	16.0 oz/a	PRE	A 104	0.0	0.0	99.0	99.0	0.0	
GF-5040	3.07 ZC	45.0 oz/a	POST2 C	207	0.0	0.0	99.0	99.0	0.0	
AATREX	4 L	32.0 oz/a	POST2 C	305	0.0	0.0	99.0	99.0	0.0	
DURANGO DMA	4 SL	32.0 oz/a	POST2 C	403	0.0	0.0	99.0	99.0	0.0	
INDUCE		0.25 % v/v	POST2 C							
AMSOL		2.5 % v/v	POST2 C							
				Mean =	0.0	0.0	99.0	99.0	0.0	
5 EVERPREX	7.62 EC	16.0 oz/a	PRE	A 105	0.0	0.0	99.0	99.0	0.0	
GF-5040	3.07 ZC	60.0 oz/a	POST2 C	209	0.0	0.0	99.0	99.0	99.0	
AATREX	4 L	32.0 oz/a	POST2 C	311	0.0	0.0	99.0	99.0	85.0	
DURANGO DMA	4 SL	32.0 oz/a	POST2 C	409	0.0	0.0	99.0	99.0	0.0	
INDUCE		0.25 % v/v	POST2 C							
AMSOL		2.5 % v/v	POST2 C							
				Mean =	0.0	0.0	99.0	99.0	46.0	
6 ACURON	3.44 ZC	48.0 oz/a	PRE	A 106	0.0	0.0	99.0	99.0	99.0	
HALEX GT	4.38 SC	58.0 oz/a	POST2 C	208	0.0	0.0	99.0	99.0	99.0	
INDUCE		0.25 % v/v	POST2 C	304	0.0	0.0	99.0	99.0	99.0	
AMSOL		2.5 % v/v	POST2 C	405	0.0	0.0	99.0	99.0	95.0	
				Mean =	0.0	0.0	99.0	99.0	98.0	
7 EVERPREX	7.62 EC	16.0 oz/a	PRE	A 107	0.0	0.0	99.0	99.0	0.0	
GF-5040	3.07 ZC	45.0 oz/a	POST3 D	211	0.0	0.0	99.0	99.0	99.0	
DURANGO DMA	4 SL	32.0 oz/a	POST3 D	306	0.0	0.0	99.0	99.0	0.0	
INDUCE		0.25 % v/v	POST3 D	401	0.0	0.0	99.0	99.0	0.0	
AMSOL		2.5 % v/v	POST3 D							
				Mean =	0.0	0.0	99.0	99.0	24.8	
8 RESICORE XL	3.25 ZC	64.0 oz/a	PRE	A 108	0.0	0.0	99.0	99.0	95.0	
GF-5040	3.07 ZC	45.0 oz/a	POST3 D	205	0.0	0.0	99.0	99.0	95.0	
DURANGO DMA	4 SL	32.0 oz/a	POST3 D	308	0.0	0.0	99.0	99.0	99.0	
INDUCE		0.25 % v/v	POST3 D	412	0.0	0.0	99.0	90.0	95.0	
AMSOL		2.5 % v/v	POST3 D							
				Mean =	0.0	0.0	99.0	96.8	96.0	
9 NTC				109	0.0	0.0	0.0	0.0	0.0	
				206	0.0	0.0	0.0	0.0	0.0	
				302	0.0	0.0	0.0	0.0	0.0	
				407	0.0	0.0	0.0	0.0	0.0	
				Mean =	0.0	0.0	0.0	0.0	0.0	

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN

Trial ID: CN-08A-22 Study Dir.: J. RICHBURG
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							----- Zeama Leaf, - Necrosis % Apr-25-22	----- Zeama Leaf, - Chlorsis % Apr-25-22	Amapa ----- Control % Apr-25-22	Agrass ----- Control % Apr-25-22	Rapra ----- Control % Apr-25-22		
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	11	12	13	14	15
10	ROUNDUP P-MAX3	5.88	SL	22.0	oz/a	POST2	C	110	0.0	0.0	0.0	0.0	0.0
	AATREX	4	L	64.0	oz/a	POST2	C	202	0.0	0.0	0.0	0.0	0.0
	LAUDIS	3.5	SC	3.0	oz/a	POST2	C	309	0.0	0.0	0.0	0.0	0.0
								410	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0
11	LAUDIS	3.5	SC	3.0	oz/a	POST2	C	111	0.0	0.0	0.0	0.0	0.0
	AATREX	4	L	64.0	oz/a	POST2	C	210	0.0	0.0	0.0	0.0	0.0
	WARRANT	3	ME	48.0	oz/a	POST2	C	301	0.0	0.0	0.0	0.0	0.0
	AGRIDEX			1.0	% v/v	POST2	C	411	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0
12	RESTRAINT	6.498	EC	30.0	oz/a	POST2	C	112	0.0	0.0	0.0	0.0	0.0
	AATREX	4	L	64.0	oz/a	POST2	C	204	0.0	0.0	0.0	0.0	0.0
	AGRIDEX			1.0	% v/v	POST2	C	310	0.0	0.0	0.0	0.0	0.0
								402	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN											
Trial ID:		CN-08A-22		Study Dir.:		J. RICHBURG					
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code						-----	-----	-----	Amapa	Agrass	Rapra
Crop Code						ZEAMA	ZEAMA	ZEAMA	-----	-----	-----
Part Rated											
Rating Data Type						Stunting	Chlorosis	Necrosis	Control	Control	Control
Rating Unit						%	%	%	Pefcent	%	%
Rating Date						May-2-22	May-2-22	May-2-22	May-2-22	May-2-22	May-2-22
Trt Treatment	Form Form	Rate	Grow	Appl							
No. Name	Conc Type	Rate Unit	Stg	Code Plot		16	17	18	19	20	21
1 RESICORE XL	3.25 ZC	96.0 oz/a	PRE	A 101		20.0	5.0	0.0	99.0	85.0	65.0
AATREX	4 L	32.0 oz/a	PRE	A 212		15.0	0.0	0.0	99.0	99.0	85.0
				303		5.0	0.0	0.0	99.0	85.0	95.0
				408		15.0	0.0	0.0	99.0	65.0	85.0
				Mean =		13.8	1.3	0.0	99.0	83.5	82.5
2 RESICORE XL	3.25 ZC	64.0 oz/a	POST1 B	102		5.0	0.0	0.0	99.0	99.0	90.0
AATREX	4 L	32.0 oz/a	POST1 B	203		5.0	0.0	0.0	99.0	99.0	85.0
DURANGO DMA	4 SL	32.0 oz/a	POST1 B	312		5.0	0.0	0.0	99.0	90.0	90.0
INDUCE		0.25 % v/v	POST1 B	404		0.0	0.0	0.0	99.0	99.0	99.0
AMSOL		2.5 % v/v	POST1 B								
				Mean =		3.8	0.0	0.0	99.0	96.8	91.0
3 EVERPREX	7.62 EC	16.0 oz/a	PRE	A 103		15.0	10.0	0.0	99.0	99.0	99.0
RESICORE XL	3.25 ZC	48.0 oz/a	POST2 C	201		30.0	10.0	0.0	99.0	99.0	99.0
AATREX	4 L	32.0 oz/a	POST2 C	307		10.0	0.0	0.0	99.0	99.0	99.0
DURANGO DMA	4 SL	32.0 oz/a	POST2 C	406		10.0	5.0	0.0	99.0	99.0	95.0
INDUCE		0.25 % v/v	POST2 C								
AMSOL		2.5 % v/v	POST2 C								
				Mean =		16.3	6.3	0.0	99.0	99.0	98.0
4 EVERPREX	7.62 EC	16.0 oz/a	PRE	A 104		5.0	0.0	0.0	99.0	99.0	99.0
GF-5040	3.07 ZC	45.0 oz/a	POST2 C	207		10.0	0.0	0.0	99.0	99.0	99.0
AATREX	4 L	32.0 oz/a	POST2 C	305		5.0	0.0	0.0	99.0	99.0	99.0
DURANGO DMA	4 SL	32.0 oz/a	POST2 C	403		5.0	0.0	0.0	99.0	99.0	99.0
INDUCE		0.25 % v/v	POST2 C								
AMSOL		2.5 % v/v	POST2 C								
				Mean =		6.3	0.0	0.0	99.0	99.0	99.0
5 EVERPREX	7.62 EC	16.0 oz/a	PRE	A 105		10.0	0.0	0.0	99.0	99.0	95.0
GF-5040	3.07 ZC	60.0 oz/a	POST2 C	209		15.0	0.0	0.0	99.0	99.0	90.0
AATREX	4 L	32.0 oz/a	POST2 C	311		20.0	0.0	0.0	99.0	99.0	99.0
DURANGO DMA	4 SL	32.0 oz/a	POST2 C	409		25.0	0.0	0.0	99.0	99.0	99.0
INDUCE		0.25 % v/v	POST2 C								
AMSOL		2.5 % v/v	POST2 C								
				Mean =		17.5	0.0	0.0	99.0	99.0	95.8
6 ACURON	3.44 ZC	48.0 oz/a	PRE	A 106		5.0	5.0	0.0	99.0	99.0	99.0
HALEX GT	4.38 SC	58.0 oz/a	POST2 C	208		0.0	0.0	0.0	99.0	99.0	85.0
INDUCE		0.25 % v/v	POST2 C	304		0.0	0.0	0.0	99.0	99.0	99.0
AMSOL		2.5 % v/v	POST2 C	405		5.0	0.0	0.0	99.0	99.0	99.0
				Mean =		2.5	1.3	0.0	99.0	99.0	95.5
7 EVERPREX	7.62 EC	16.0 oz/a	PRE	A 107		0.0	0.0	0.0	99.0	99.0	0.0
GF-5040	3.07 ZC	45.0 oz/a	POST3 D	211		15.0	0.0	0.0	99.0	99.0	85.0
DURANGO DMA	4 SL	32.0 oz/a	POST3 D	306		0.0	0.0	0.0	99.0	99.0	0.0
INDUCE		0.25 % v/v	POST3 D	401		15.0	5.0	0.0	99.0	95.0	0.0
AMSOL		2.5 % v/v	POST3 D								
				Mean =		7.5	1.3	0.0	99.0	98.0	21.3
8 RESICORE XL	3.25 ZC	64.0 oz/a	PRE	A 108		0.0	0.0	0.0	99.0	85.0	65.0
GF-5040	3.07 ZC	45.0 oz/a	POST3 D	205		5.0	0.0	0.0	99.0	85.0	75.0
DURANGO DMA	4 SL	32.0 oz/a	POST3 D	308		5.0	0.0	0.0	99.0	65.0	70.0
INDUCE		0.25 % v/v	POST3 D	412		0.0	0.0	0.0	99.0	65.0	85.0
AMSOL		2.5 % v/v	POST3 D								
				Mean =		2.5	0.0	0.0	99.0	75.0	73.8
9 NTC				109		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
				302		0.0	0.0	0.0	0.0	0.0	0.0
				407		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

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN												
Trial ID:		CN-08A-22		Study Dir.:		J. RICHBURG						
Location:		PONDER FARM		Investigator:		Eric P. Prostko						
Weed Code							-----	-----	-----	Amapa	Agrass	Rapra
Crop Code							ZEAMA	ZEAMA	ZEAMA	----	----	----
Part Rated												
Rating Data Type							Stunting	Chlorosis	Necrosis	Control	Control	Control
Rating Unit							%	%	%	Pefcent	%	%
Rating Date							May-2-22	May-2-22	May-2-22	May-2-22	May-2-22	May-2-22
Trt	Treatment	Form	Form	Rate	Grow	Appl						
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	16	17	18	19	20	21
10	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	POST2 C	110	10.0	0.0	0.0	99.0	99.0	85.0
	AATREX	4 L		64.0 oz/a	POST2 C	202	15.0	10.0	0.0	99.0	85.0	85.0
	LAUDIS	3.5 SC		3.0 oz/a	POST2 C	309	15.0	5.0	0.0	99.0	99.0	95.0
						410	15.0	0.0	0.0	99.0	99.0	99.0
						Mean =	13.8	3.8	0.0	99.0	95.5	91.0
11	LAUDIS	3.5 SC		3.0 oz/a	POST2 C	111	0.0	0.0	0.0	99.0	99.0	75.0
	AATREX	4 L		64.0 oz/a	POST2 C	210	15.0	0.0	0.0	99.0	99.0	85.0
	WARRANT	3 ME		48.0 oz/a	POST2 C	301	5.0	0.0	0.0	99.0	85.0	85.0
	AGRIDEX			1.0 % v/v	POST2 C	411	0.0	0.0	0.0	99.0	95.0	99.0
						Mean =	5.0	0.0	0.0	99.0	94.5	86.0
12	RESTRAINT	6.498 EC		30.0 oz/a	POST2 C	112	15.0	0.0	0.0	99.0	99.0	85.0
	AATREX	4 L		64.0 oz/a	POST2 C	204	5.0	0.0	0.0	99.0	85.0	99.0
	AGRIDEX			1.0 % v/v	POST2 C	310	25.0	5.0	0.0	99.0	99.0	99.0
						402	15.0	0.0	0.0	99.0	99.0	99.0
						Mean =	15.0	1.3	0.0	99.0	95.5	95.5

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN										
Trial ID: CN-08A-22		Study Dir.: J. RICHBURG								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code						-----	Amapa	Rapra	AGRASS	Amapa
Crop Code						Zeama	-----	-----	-----	-----
Part Rated						Plant, -				
Rating Data Type						Stunting	Control	Control	Control	Control
Rating Unit						%	%	%	%	%
Rating Date						May-16-22	May-16-22	May-16-22	May-16-22	Jun-7-22
Trt Treatment	Form Form	Rate	Grow	Appl						
No. Name	Conc Type	Rate Unit	Stg	Code Plot		22	23	24	25	26
1 RESICORE XL	3.25 ZC	96.0 oz/a	PRE	A 101		10.0	95.0	65.0	50.0	95.0
AATREX	4 L	32.0 oz/a	PRE	A 212		10.0	99.0	90.0	85.0	100.0
				303		0.0	99.0	90.0	85.0	100.0
				408		0.0	99.0	75.0	50.0	85.0
				Mean =		5.0	98.0	80.0	67.5	95.0
2 RESICORE XL	3.25 ZC	64.0 oz/a	POST1 B	102		10.0	99.0	95.0	99.0	100.0
AATREX	4 L	32.0 oz/a	POST1 B	203		0.0	99.0	99.0	99.0	100.0
DURANGO DMA	4 SL	32.0 oz/a	POST1 B	312		0.0	99.0	99.0	99.0	95.0
INDUCE		0.25 % v/v	POST1 B	404		0.0	99.0	99.0	99.0	95.0
AMSOL		2.5 % v/v	POST1 B							
				Mean =		2.5	99.0	98.0	99.0	97.5
3 EVERPREX	7.62 EC	16.0 oz/a	PRE	A 103		15.0	99.0	99.0	99.0	100.0
RESICORE XL	3.25 ZC	48.0 oz/a	POST2 C	201		20.0	99.0	99.0	99.0	100.0
AATREX	4 L	32.0 oz/a	POST2 C	307		0.0	99.0	99.0	99.0	100.0
DURANGO DMA	4 SL	32.0 oz/a	POST2 C	406		10.0	99.0	99.0	99.0	100.0
INDUCE		0.25 % v/v	POST2 C							
AMSOL		2.5 % v/v	POST2 C							
				Mean =		11.3	99.0	99.0	99.0	100.0
4 EVERPREX	7.62 EC	16.0 oz/a	PRE	A 104		15.0	99.0	99.0	95.0	100.0
GF-5040	3.07 ZC	45.0 oz/a	POST2 C	207		0.0	99.0	99.0	99.0	100.0
AATREX	4 L	32.0 oz/a	POST2 C	305		0.0	99.0	99.0	99.0	100.0
DURANGO DMA	4 SL	32.0 oz/a	POST2 C	403		10.0	99.0	99.0	99.0	100.0
INDUCE		0.25 % v/v	POST2 C							
AMSOL		2.5 % v/v	POST2 C							
				Mean =		6.3	99.0	99.0	98.0	100.0
5 EVERPREX	7.62 EC	16.0 oz/a	PRE	A 105		10.0	99.0	99.0	99.0	100.0
GF-5040	3.07 ZC	60.0 oz/a	POST2 C	209		15.0	99.0	99.0	99.0	100.0
AATREX	4 L	32.0 oz/a	POST2 C	311		0.0	99.0	99.0	99.0	100.0
DURANGO DMA	4 SL	32.0 oz/a	POST2 C	409		15.0	99.0	99.0	99.0	100.0
INDUCE		0.25 % v/v	POST2 C							
AMSOL		2.5 % v/v	POST2 C							
				Mean =		10.0	99.0	99.0	99.0	100.0
6 ACURON	3.44 ZC	48.0 oz/a	PRE	A 106		0.0	99.0	99.0	99.0	100.0
HALEX GT	4.38 SC	58.0 oz/a	POST2 C	208		0.0	99.0	99.0	99.0	100.0
INDUCE		0.25 % v/v	POST2 C	304		0.0	99.0	99.0	99.0	100.0
AMSOL		2.5 % v/v	POST2 C	405		10.0	99.0	99.0	99.0	100.0
				Mean =		2.5	99.0	99.0	99.0	100.0
7 EVERPREX	7.62 EC	16.0 oz/a	PRE	A 107		0.0	99.0	95.0	99.0	100.0
GF-5040	3.07 ZC	45.0 oz/a	POST3 D	211		10.0	99.0	99.0	99.0	100.0
DURANGO DMA	4 SL	32.0 oz/a	POST3 D	306		0.0	99.0	95.0	99.0	100.0
INDUCE		0.25 % v/v	POST3 D	401		20.0	99.0	90.0	99.0	100.0
AMSOL		2.5 % v/v	POST3 D							
				Mean =		7.5	99.0	94.8	99.0	100.0
8 RESICORE XL	3.25 ZC	64.0 oz/a	PRE	A 108		0.0	99.0	99.0	99.0	100.0
GF-5040	3.07 ZC	45.0 oz/a	POST3 D	205		0.0	99.0	99.0	99.0	100.0
DURANGO DMA	4 SL	32.0 oz/a	POST3 D	308		0.0	99.0	99.0	99.0	100.0
INDUCE		0.25 % v/v	POST3 D	412		0.0	99.0	99.0	99.0	100.0
AMSOL		2.5 % v/v	POST3 D							
				Mean =		0.0	99.0	99.0	99.0	100.0
9 NTC				109		0.0	0.0	0.0	0.0	0.0
				206		0.0	0.0	0.0	0.0	0.0
				302		0.0	0.0	0.0	0.0	0.0
				407		0.0	0.0	0.0	0.0	0.0
				Mean =		0.0	0.0	0.0	0.0	0.0

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN											
Trial ID:		CN-08A-22		Study Dir.:		J. RICHBURG					
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code							-----	Amapa	Rapra	AGRASS	Amapa
Crop Code							Zeama	-----	-----	-----	-----
Part Rated							Plant, -				
Rating Data Type							Stunting	Control	Control	Control	Control
Rating Unit							%	%	%	%	%
Rating Date							May-16-22	May-16-22	May-16-22	May-16-22	Jun-7-22
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	22	23	24	25	
10	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	POST2 C	110	0.0	99.0	99.0	99.0	
	AATREX	4 L		64.0 oz/a	POST2 C	202	10.0	99.0	99.0	95.0	
	LAUDIS	3.5 SC		3.0 oz/a	POST2 C	309	0.0	99.0	99.0	99.0	
						410	10.0	99.0	99.0	99.0	
						Mean =	5.0	99.0	99.0	98.0	
11	LAUDIS	3.5 SC		3.0 oz/a	POST2 C	111	0.0	99.0	95.0	99.0	
	AATREX	4 L		64.0 oz/a	POST2 C	210	0.0	99.0	99.0	99.0	
	WARRANT	3 ME		48.0 oz/a	POST2 C	301	0.0	99.0	99.0	80.0	
	AGRIDEX			1.0 % v/v	POST2 C	411	0.0	99.0	99.0	95.0	
						Mean =	0.0	99.0	98.0	93.3	
12	RESTRAINT	6.498 EC		30.0 oz/a	POST2 C	112	20.0	99.0	90.0	99.0	
	AATREX	4 L		64.0 oz/a	POST2 C	204	0.0	99.0	99.0	95.0	
	AGRIDEX			1.0 % v/v	POST2 C	310	0.0	99.0	99.0	99.0	
						402	15.0	99.0	99.0	90.0	
						Mean =	8.8	99.0	96.8	95.8	

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN										
Trial ID:		CN-08A-22		Study Dir.:		J. RICHBURG				
Location:		PONDER FARM		Investigator:		Eric P. Prostko				
Weed Code							Agrass	-----	-----	
Crop Code							-----	Zeama	Zeama	
Part Rated								Plot, -	Plot, -	
Rating Data Type							Control	Yield	YIELD	
Rating Unit							%	Lbs/plot	BU/A	
Rating Date							Jun-7-22	Aug-30-22	Aug-30-22	
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	27	28	29	
1	RESICORE XL	3.25	ZC	96.0 oz/a	PRE	A 101	65.0	39.0	197.5	
	AATREX	4 L		32.0 oz/a	PRE	A 212	60.0	37.0	187.4	
						303	65.0	41.0	207.7	
						408	50.0	38.0	192.5	
						Mean =	60.0	38.8	196.3	
2	RESICORE XL	3.25	ZC	64.0 oz/a	POST1 B	102	95.0	47.0	238.0	
	AATREX	4 L		32.0 oz/a	POST1 B	203	80.0	38.0	192.5	
	DURANGO DMA	4 SL		32.0 oz/a	POST1 B	312	70.0	36.0	182.3	
	INDUCE			0.25 % v/v	POST1 B	404	90.0	47.0	238.0	
	AMSOL			2.5 % v/v	POST1 B					
						Mean =	83.8	42.0	212.7	
3	EVERPREX	7.62	EC	16.0 oz/a	PRE	A 103	99.0	48.0	243.1	
	RESICORE XL	3.25	ZC	48.0 oz/a	POST2 C	201	95.0	31.0	157.0	
	AATREX	4 L		32.0 oz/a	POST2 C	307	100.0	36.0	182.3	
	DURANGO DMA	4 SL		32.0 oz/a	POST2 C	406	95.0	39.0	197.5	
	INDUCE			0.25 % v/v	POST2 C					
	AMSOL			2.5 % v/v	POST2 C					
						Mean =	97.3	38.5	195.0	
4	EVERPREX	7.62	EC	16.0 oz/a	PRE	A 104	95.0	46.0	233.0	
	GF-5040	3.07	ZC	45.0 oz/a	POST2 C	207	100.0	43.0	217.8	
	AATREX	4 L		32.0 oz/a	POST2 C	305	100.0	46.0	233.0	
	DURANGO DMA	4 SL		32.0 oz/a	POST2 C	403	95.0	41.0	207.7	
	INDUCE			0.25 % v/v	POST2 C					
	AMSOL			2.5 % v/v	POST2 C					
						Mean =	97.5	44.0	222.9	
5	EVERPREX	7.62	EC	16.0 oz/a	PRE	A 105	100.0	48.0	243.1	
	GF-5040	3.07	ZC	60.0 oz/a	POST2 C	209	100.0	40.0	202.6	
	AATREX	4 L		32.0 oz/a	POST2 C	311	100.0	39.0	197.5	
	DURANGO DMA	4 SL		32.0 oz/a	POST2 C	409	95.0	39.0	197.5	
	INDUCE			0.25 % v/v	POST2 C					
	AMSOL			2.5 % v/v	POST2 C					
						Mean =	98.8	41.5	210.2	
6	ACURON	3.44	ZC	48.0 oz/a	PRE	A 106	100.0	49.0	248.2	
	HALEX GT	4.38	SC	58.0 oz/a	POST2 C	208	100.0	44.0	222.9	
	INDUCE			0.25 % v/v	POST2 C	304	100.0	42.0	212.7	
	AMSOL			2.5 % v/v	POST2 C	405	95.0	42.0	212.7	
						Mean =	98.8	44.3	224.1	
7	EVERPREX	7.62	EC	16.0 oz/a	PRE	A 107	100.0	48.0	243.1	
	GF-5040	3.07	ZC	45.0 oz/a	POST3 D	211	100.0	38.0	192.5	
	DURANGO DMA	4 SL		32.0 oz/a	POST3 D	306	100.0	44.0	222.9	
	INDUCE			0.25 % v/v	POST3 D	401	100.0	40.0	202.6	
	AMSOL			2.5 % v/v	POST3 D					
						Mean =	100.0	42.5	215.3	
8	RESICORE XL	3.25	ZC	64.0 oz/a	PRE	A 108	95.0	44.0	222.9	
	GF-5040	3.07	ZC	45.0 oz/a	POST3 D	205	95.0	42.0	212.7	
	DURANGO DMA	4 SL		32.0 oz/a	POST3 D	308	75.0	40.0	202.6	
	INDUCE			0.25 % v/v	POST3 D	412	95.0	41.0	207.7	
	AMSOL			2.5 % v/v	POST3 D					
						Mean =	90.0	41.8	211.5	
9	NTC					109	0.0	37.0	187.4	
						206	0.0	38.0	192.5	
						302	0.0	26.0	131.7	
						407	0.0	32.0	162.1	
						Mean =	0.0	33.3	168.4	

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN

Trial ID: CN-08A-22 Study Dir.: J. RICHBURG
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							Agrass ----- Control % Jun-7-22	----- Zeama Plot, - Yield Lbs/plot Aug-30-22	----- Zeama Plot, - YIELD BU/A Aug-30-22
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code Plot	27	28	29
10	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	POST2 C	110	80.0	49.0	248.2
	AATREX	4 L		64.0 oz/a	POST2 C	202	80.0	36.0	182.3
	LAUDIS	3.5 SC		3.0 oz/a	POST2 C	309	75.0	36.0	182.3
						410	75.0	38.0	192.5
						Mean =	77.5	39.8	201.3
11	LAUDIS	3.5 SC		3.0 oz/a	POST2 C	111	85.0	44.0	222.9
	AATREX	4 L		64.0 oz/a	POST2 C	210	100.0	39.0	197.5
	WARRANT	3 ME		48.0 oz/a	POST2 C	301	70.0	36.0	182.3
	AGRIDEX			1.0 % v/v	POST2 C	411	75.0	41.0	207.7
						Mean =	82.5	40.0	202.6
12	RESTRAINT	6.498 EC		30.0 oz/a	POST2 C	112	90.0	41.0	207.7
	AATREX	4 L		64.0 oz/a	POST2 C	204	85.0	39.0	197.5
	AGRIDEX			1.0 % v/v	POST2 C	310	85.0	41.0	207.7
						402	85.0	41.0	207.7
						Mean =	86.3	40.5	205.1

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EFFICACY OF KYRO AND RESICORE XL TANK-MIXTURES IN FIELD CORN

Trial ID:	CN-08A-22	Study Dir.:	J. RICHBURG
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Part Rated

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

Leaf = LEAF / FOLIAGE

Rating Data Type

Yield = YIELD

Rating Unit

% = PERCENT

ARM Action Codes

TY1 = 5.06481657*[28]