

University of Georgia

WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL			
Trial ID:	CN-11-23	Study Dir.:	H. SANDERS/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	Unit	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep			
											1	2	3	4
1	NTC									-	101	207	303	410
2	ACURON	3.44	SC	64.0	oz/a	PRE	A	15 GPA	50.0 mL/mx	1450 mL 1441.6 mL	102	204	309	403
	ROUNDUP P-MAX3	5.88	SL	22.0	oz/a	LPOST	D	15 GAL/AC	17.19 mL/mx					
	INDUCE			0.25	% v/v	LPOST	D	15 GAL/AC	3.75 mL/mx					
	AMSOL			2.5	% v/v	LPOST	D	15 GAL/AC	37.5 mL/mx					
3	BICEP II MAGNUM	5.5	SC	67.2	oz/a	PRE	A	15 GPA	52.5 mL/mx	1447.5 mL 1441.6 mL	103	209	312	406
	ROUNDUP P-MAX3	5.88	SL	22.0	oz/a	LPOST	D	15 GAL/AC	17.19 mL/mx					
	INDUCE			0.25	% v/v	LPOST	D	15 GAL/AC	3.75 mL/mx					
	AMSOL			2.5	% v/v	LPOST	D	15 GAL/AC	37.5 mL/mx					
4	RESICORE XL	3.29	ZC	64.0	oz/a	PRE	A	15 GPA	50.0 mL/mx	1450 mL 1441.6 mL	104	212	311	408
	ROUNDUP P-MAX3	5.88	SL	22.0	oz/a	LPOST	D	15 GAL/AC	17.19 mL/mx					
	INDUCE			0.25	% v/v	LPOST	D	15 GAL/AC	3.75 mL/mx					
	AMSOL			2.5	% v/v	LPOST	D	15 GAL/AC	37.5 mL/mx					
5	MAVERICK	2.04	SC	24.0	oz/a	PRE	A	15 GPA	18.75 mL/mx	1481.3 mL 1441.6 mL	105	214	301	411
	ROUNDUP P-MAX3	5.88	SL	22.0	oz/a	LPOST	D	15 GAL/AC	17.19 mL/mx					
	INDUCE			0.25	% v/v	LPOST	D	15 GAL/AC	3.75 mL/mx					
	AMSOL			2.5	% v/v	LPOST	D	15 GAL/AC	37.5 mL/mx					
6	MAVERICK	2.04	SC	18.0	oz/a	PRE	A	15 GPA	14.06 mL/mx	1485.9 mL 1430.6 mL	106	205	314	404
	MAVERICK	2.04	SC	14.0	oz/a	LPOST	D	15 GAL/AC	10.94 mL/mx					
	ROUNDUP P-MAX3	5.88	SL	22.0	oz/a	LPOST	D	15 GAL/AC	17.19 mL/mx					
	INDUCE			0.25	% v/v	LPOST	D	15 GAL/AC	3.75 mL/mx					
	AMSOL			2.5	% v/v	LPOST	D	15 GAL/AC	37.5 mL/mx					
7	MAVERICK	2.04	SC	24.0	oz/a	PRE	A	15 GPA	18.75 mL/mx	1462.5 mL 1441.6 mL	107	210	305	409
	AATREX	4	L	24.0	oz/a	PRE	A	15 GPA	18.75 mL/mx					
	ROUNDUP P-MAX3	5.88	SL	22.0	oz/a	LPOST	D	15 GAL/AC	17.19 mL/mx					
	INDUCE			0.25	% v/v	LPOST	D	15 GAL/AC	3.75 mL/mx					
	AMSOL			2.5	% v/v	LPOST	D	15 GAL/AC	37.5 mL/mx					
8	RESICORE XL	3.29	ZC	64.0	oz/a	PRE	A	15 GPA	50.0 mL/mx	1425 mL	108	201	304	407
	AATREX	4	L	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx					
9	RESICORE XL	3.29	ZC	40.0	oz/a	EPOST	B	15 GAL/AC	31.25 mL/mx	1370.4 mL	109	213	310	402
	AATREX	4	L	32.0	oz/a	EPOST	B	15 GAL/AC	25.0 mL/mx					
	ROUNDUP P-MAX3	5.88	SL	26.7	oz/a	EPOST	B	15 GAL/AC	20.86 mL/mx					
	PRIME OIL			1.0	% v/v	EPOST	B	15 GAL/AC	15.0 mL/mx					
	AMSOL			2.5	% v/v	EPOST	B	15 GAL/AC	37.5 mL/mx					
10	AATREX	4	L	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx	1475 mL 1370.4 mL	110	211	307	401
	RESICORE XL	3.29	ZC	40.0	oz/a	POST	C	15 GAL/AC	31.25 mL/mx					
	AATREX	4	L	32.0	oz/a	POST	C	15 GAL/AC	25.0 mL/mx					
	ROUNDUP P-MAX3	5.88	SL	26.7	oz/a	POST	C	15 GAL/AC	20.86 mL/mx					
	PRIME OIL			1.0	% v/v	POST	C	15 GAL/AC	15.0 mL/mx					
	AMSOL			2.5	% v/v	POST	C	15 GAL/AC	37.5 mL/mx					
11	AATREX	4	L	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx	1475 mL 1366.5 mL	111	208	306	414
	KYRO	3.487	ZC	45.0	oz/a	POST	C	15 GAL/AC	35.16 mL/mx					
	AATREX	4	L	32.0	oz/a	POST	C	15 GAL/AC	25.0 mL/mx					
	ROUNDUP P-MAX3	5.88	SL	26.7	oz/a	POST	C	15 GAL/AC	20.86 mL/mx					
	PRIME OIL			1.0	% v/v	POST	C	15 GAL/AC	15.0 mL/mx					
	AMSOL			2.5	% v/v	POST	C	15 GAL/AC	37.5 mL/mx					
12	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL 1366.5 mL	112	203	302	405
	KYRO	3.487	ZC	45.0	oz/a	POST	C	15 GAL/AC	35.16 mL/mx					
	AATREX	4	L	32.0	oz/a	POST	C	15 GAL/AC	25.0 mL/mx					
	ROUNDUP P-MAX3	5.88	SL	26.7	oz/a	POST	C	15 GAL/AC	20.86 mL/mx					
	PRIME OIL			1.0	% v/v	POST	C	15 GAL/AC	15.0 mL/mx					
	AMSOL			2.5	% v/v	POST	C	15 GAL/AC	37.5 mL/mx					

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WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL

Trial ID: CN-11-23 Study Dir.: H. SANDERS/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	Unit	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep			
											1	2	3	4
13	AATREX	4	L	32.0	oz/a	PRE	A	15 GPA	25.0 mL/mx	1475 mL 1398.6 mL	113	206	313	412
	HALEX GT	4.38	SC	45.0	oz/a	POST	C	15 GAL/AC	35.16 mL/mx					
	AATREX	4	L	32.0	oz/a	POST	C	15 GAL/AC	25.0 mL/mx					
	INDUCE			0.25	% v/v	POST	C	15 GAL/AC	3.75 mL/mx					
	AMSOL			2.5	% v/v	POST	C	15 GAL/AC	37.5 mL/mx					
14	ROUNDUP P-MAX3	5.88	SL	22.0	oz/a	EPOST	B	15 GAL/AC	17.19 mL/mx	1407.8 mL	114	202	308	413
	AATREX	4	L	64.0	oz/a	EPOST	B	15 GAL/AC	50.0 mL/mx					
	PROWL H20	3.8	SC	32.0	oz/a	EPOST	B	15 GAL/AC	25.0 mL/mx					

Sort Order: Replicate 1

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Trial ID:	CN-11-23	Study Dir.:	H. SANDERS/J. RICHBURG
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Trial Comments

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WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL

Trial ID:	CN-11-23	Study Dir.:	H. SANDERS/J. RICHBURG
Location:	PONDER FARM	Investigator:	Eric P. Prostko

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

BICEP II MAGNUM = ATRAZINE (2.4 LBS/GAL) + S-METOLACHLOR (3.1 LBS/GAL) + BENOXACOR (SAFENER)

RESICORE XL = ACETOCHLOR (2.8 LBS//GAL) + CLOPYRALID (0.19 LBS/GAL) + MESOTRIONE (0.3 LBS/GAL) + BENOXACOR (SAFENER)

MAVERICK = CLOPYRALID (0.524 LBS/GAL) + MESOTRIONE (0.826 LBS/GAL) + PYROXASULFONE (0.691 LBS/GAL)

KYRO = ACETOCHLOR (2.78 LBS/GAL) + TOPRAMEZONE (0.046 LBS/GAL) + CLOPYRALID (0.247 LBS/GAL)

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

WEED STAGES OF GROWTH/DENSITY:

APRIL 15 (EPOST)

AGRASS = 0.25-0.5" TALL; 1-2 LF; 25+/FT2

AMAPA = 0.25" TALL; 1-2 LF; 2/FT2

RAPRA = 0.25"; COTYLEDON; 1/FT2

MAY 1 (POST)

AGRASS = 1-3" TALL; 2-3 LF; 20+/FT2

AMAPA = 1-2" TALL; 3-5 LF; 2/FT2

RAPRA = 0.5" TALL; COTYLEDON; 1/FT2

DEDTO = 0.5" TALL; COTYLEDON; 1/FT2

MAY 10 (LPOST)

AGRASS = 0.25" TALL

RAPRA = 2-4" TALL

HARVEST DATE: 09/07/23

HARVEST MOISTURE: 14.6%

YIELDS ADJUSTED TO 15.5%.

ANNUAL GRASS = NON-UNIFORM MIXTURE OF CRABGRASS, TEXAS PANICUM, GOOSEGRASS, CROWFOOTGRASS, AND SANDBUR.

SUMMARY:

1) CORN INJURY (STUNTING AND LEAF NECROSIS) WAS LESS THAN 10% WITH ALL TREATMENTS EXCEPT FOR THE FOLLOWING:

RESICORE XL @ 40 OZ/A + AATREX + ROUNDUP + PRIME OIL + AMSOL APPLIED EPOST (~10-20% INJURY).

2) AATREX APPLIED PRE PROVIDED POOR CONTROL OF ANNUAL GRASSES.

3) ON MAY 26 (53 DAP), ALL TREATMENTS PROVIDED AT LEAST 90% CONTROL OF PALMER AMARANTH, WILD RADISH, AND ANNUAL GRASSES EXCEPT FOR THE FOLLOWING:

RESICORE XL @ 64 OZ/A + AATREX @ 32 OZ/A APPLIED PRE = 40% ANNUAL GRASS CONTROL

RESICOR XL @ 40 OZ/A + AATREX + ROUNDUP + PRIME OIL + AMSOL APPLIED EPOST = 69% CONTROL OF ANNUAL GRASSES

MAVERICK @ 24 OZ/A (PRE) FB ROUNDUP + INDUCE + AMSOL (LPOST) = 88% CONTROL OF ANNUAL GRASSES.

4) PRE-HARVEST WEED CONTROL RATINGS OBTAINED ON AUGUST 15 INDICATED THAT ONE OF THE MOST EFFECTIVE SEASON LONG TREATMENTS WAS DUAL II (PRE) FOLLOWED BY KYRO @ 45 OZ/A + AATREX + ROUNDUP + PRIME OIL + AMSOL (POST).

5) ALL HERBICIDE TREATMENTS RESULTED IN GREATER YIELDS THAN THE NTC. GENERALLY, NO DIFFERENCES IN YIELD BETWEEN HERBICIDE TREATMENTS EXCEPT BETWEEN TREATMENTS 10 AND 11.

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Trial ID: CN-11-23 Study Dir.: H. SANDERS/J. RICHBURG
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: H. SANDERS/J. RITCHBURG **Title:** _____
Affiliation: _____
Postal Code: _____

Investigator: Eric P. Prostko **Title:** _____
Affiliation: _____
Postal Code: _____

TRIAL LOCATION

City: _____ **Trial Status:** E
State/Prov.: _____ **Trial Reliability:** _____
Postal Code: _____ **Initiation Date:** _____
Country: _____ **Planned Completion Date:** _____
E-Longitude of LL Corner °: _____ **N-Latitude of LL Corner °:** _____
Altitude of LL Corner: _____ **Unit:** _____ **Angle y-axis to North °:** _____
Directions: _____

COOPERATOR/LANDOWNER

Cooperator: _____ **Country:** _____
Org: _____ **Phone No:** _____
Address 1: _____ **Fax No:** _____
Address 2: _____
City: _____
State/Prov: _____
Postal Code: _____

Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N
Guidelines: _____ **Guideline Description:** _____

Objective: _____

Conclusions: _____

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	AMAPA	PA	LMER AMARANTH
2.	RAPRA	WI	LD RADISH
3.	AGRASS	CR	AB/GOOSE/CROW/TX PAN
4.	DEDTO	FL	ORIDA BEGGARWEED

Crop 1: ZEAMA FIELD CORN **Variety:** PIONEER P2042VYHR
Planting Date: Apr-3-23 **Planting Method:** MONOSEM
Rate: 33800 S/A **Depth:** 2 IN **Perennial Age:** _____
Row Spacing: 36 IN **Spacing Within Row:** _____ **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

SITE AND DESIGN

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** RACOBL

Trial Initiation Comments: _____

No.	Previous Crops	Previous Pesticides	Year
1.	SOYBEAN		2022

MAINTENANCE

Field Prep./Maintenance: 1 TON/A LIME - PREPLANT
 800 LBS/A 5-15-30 - PREPLANT
 SIDEDRESS 122-0-0-15 ON APRIL 11 AND APRIL 24
 AXILO BMZ (MICRO-NUTRIENTS) @ 2 LBS/A ON APRIL 20

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

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WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL

Trial ID:	CN-11-23	Study Dir.:	H. SANDERS/J. RICHBURG
Location:	PONDER FARM	Investigator:	Eric P. Prostko

SOIL DESCRIPTION

% Sand: 94	% OM: 0.61	Texture:	SAND
% Silt: 4	pH: 6.0	Soil Name:	TIFTON
% Clay: 2	CEC: 2.5	Fert. Level:	GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit	

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-3-23		0.83	IN	RAINFALL		
2.	Apr-7-23		0.45	IN	SPRINKLER - LATERAL MOVE		
3.	Apr-8-23		0.42	IN	RAINFALL		
4.	Apr-14-23		0.11	IN	RAINFALL		
5.	Apr-19-23		0.5	IN	SPRINKLER - LATERAL MOVE		
6.	Apr-21-23		0.3	IN	SPRINKLER - LATERAL MOVE		
7.	Apr-25-23		0.25	IN	SPRINKLER - LATERAL MOVE		
8.	Apr-27-23		1.0	IN	RAINFALL		
9.	Apr-29-23		0.65	IN	RAINFALL		
10.	May-11-23		0.5	IN	SPRINKLER - LATERAL MOVE		
11.	May-12-23		2.5	IN	RAINFALL		
12.	May-19-23		0.5	IN	SPRINKLER - LATERAL MOVE		
13.	May-20-23		0.1	IN	RAINFALL		
14.	May-22-23		0.75	IN	RAINFALL		

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

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	Apr-5-23	Apr-15-23	May-1-23	May-10-23
Time of Day:	7:45 AM	8:00 AM	6:52 AM	6:30 AM
Application Method:	BACKPACK	BACKPACK	BACKPACK	BACKPACK
Application Timing:	PRE	EPOST	POST	LPOST
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE	FOLIAGE
Air Temp., Unit:	65 F	59 F	52 F	67 F
% Relative Humidity:	94	95	82	87
Wind Velocity, Unit:	2 MPH	2 MPH	1 MPH	2 MPH
Dew Presence (Y/N):	N	Y	Y	N
Water Hardness:	--	--	--	--
Soil Temp., Unit:	68 F	60 F	59 F	72 F
Soil Moisture:	OPTIMUM	OPTIMUM	WET	DRY
% Cloud Cover:	5	0	20	0

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	ZEAMA,	ZEAMA,	ZEAMA,	ZEAMA,
Stage Scale:		V1-V2	V5-V6	V6-V7
Height, Unit:		2, IN	9, IN	20, IN

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Location:	PONDER FARM	Investigator:	Eric P. Prostko

WEED STAGE AT EACH APPLICATION				
	A	B	C	D
Weed 1 Code, Stage:	AMAPA,	AMAPA,	AMAPA,	AMAPA,
Stage Scale:				
Density, Unit:				
Weed 2 Code, Stage:	RAPRA,	RAPRA,	RAPRA,	RAPRA,
Stage Scale:				
Density, Unit:				
Weed 3 Code, Stage:	AGRAS,	AGRAS,	AGRAS,	AGRAS,
Stage Scale:				
Density, Unit:				
Weed 4 Code, Stage:	DEDTO,	DEDTO,	DEDTO,	DEDTO,
Stage Scale:				
Density, Unit:				

APPLICATION EQUIPMENT				
	A	B	C	D
Appl. Equipment:	BACKPACK	SAME	SAME	SAME
Operating Pressure:	37			
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:				
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-11-23		Study Dir.: H. SANDERS/J. RICHBURG														
Location: PONDER FARM		Investigator: Eric P. Prostko														
Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	----- Zeama Stunting %	----- Zeama Necrosis %	Rapra ----- Control %	Amapa ----- Control %	Agrass ----- Control %	----- Zeama Stunting %	----- Zeama Necrosis %	Rapra ----- Control %	Amapa ----- Control %	Agrass ----- Control %		
					Apr-19-23	Apr-19-23	Apr-19-23	Apr-19-23	Apr-19-23	Apr-27-23	Apr-27-23	Apr-27-23	Apr-27-23	Apr-27-23		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	7	8	9	10
1	NTC						0.0 c	0.0 c	0.0 c	0.0 b	0.0 d	0.0 d	0.0 b	0.0 d	0.0 d	0.0 e
2	ACURON	3.44 SC		64.0 oz/a	PRE	A	0.0 c	1.3 c	99.0 a	99.0 a	98.0 a	5.0 b	1.3 b	99.0 a	99.0 a	97.0 ab
	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	LPOST	D										
	INDUCE			0.25 % v/v	LPOST	D										
	AMSOL			2.5 % v/v	LPOST	D										
3	BICEP II MAGNUM	5.5 SC		67.2 oz/a	PRE	A	0.0 c	0.0 c	98.0 a	99.0 a	89.5 a	0.0 d	0.0 b	98.0 a	99.0 a	94.5 ab
	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	LPOST	D										
	INDUCE			0.25 % v/v	LPOST	D										
	AMSOL			2.5 % v/v	LPOST	D										
4	RESICORE XL	3.29 ZC		64.0 oz/a	PRE	A	2.5 b	0.0 c	99.0 a	99.0 a	94.8 a	1.3 cd	0.0 b	95.8 a	99.0 a	91.0 ab
	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	LPOST	D										
	INDUCE			0.25 % v/v	LPOST	D										
	AMSOL			2.5 % v/v	LPOST	D										
5	MAVERICK	2.04 SC		24.0 oz/a	PRE	A	0.0 c	0.0 c	99.0 a	99.0 a	98.0 a	2.5 bcd	0.0 b	99.0 a	99.0 a	99.0 a
	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	LPOST	D										
	INDUCE			0.25 % v/v	LPOST	D										
	AMSOL			2.5 % v/v	LPOST	D										
6	MAVERICK	2.04 SC		18.0 oz/a	PRE	A	0.0 c	0.0 c	99.0 a	99.0 a	94.5 a	1.3 cd	0.0 b	98.0 a	98.0 a	99.0 a
	MAVERICK	2.04 SC		14.0 oz/a	LPOST	D										
	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	LPOST	D										
	INDUCE			0.25 % v/v	LPOST	D										
	AMSOL			2.5 % v/v	LPOST	D										
7	MAVERICK	2.04 SC		24.0 oz/a	PRE	A	0.0 c	0.0 c	99.0 a	99.0 a	97.0 a	0.0 d	0.0 b	99.0 a	99.0 a	96.0 ab
	AATREX	4 L		24.0 oz/a	PRE	A										
	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	LPOST	D										
	INDUCE			0.25 % v/v	LPOST	D										
	AMSOL			2.5 % v/v	LPOST	D										
8	RESICORE XL	3.29 ZC		64.0 oz/a	PRE	A	0.0 c	1.3 c	99.0 a	99.0 a	98.0 a	0.0 d	0.0 b	96.8 a	99.0 a	85.0 b
	AATREX	4 L		32.0 oz/a	PRE	A										
9	RESICORE XL	3.29 ZC		40.0 oz/a	EPOST	B	10.0 a	20.0 a	99.0 a	99.0 a	98.0 a	16.3 a	11.3 a	99.0 a	99.0 a	96.0 ab
	AATREX	4 L		32.0 oz/a	EPOST	B										
	ROUNDUP P-MAX3	5.88 SL		26.7 oz/a	EPOST	B										
	PRIME OIL			1.0 % v/v	EPOST	B										
	AMSOL			2.5 % v/v	EPOST	B										
10	AATREX	4 L		32.0 oz/a	PRE	A	0.0 c	0.0 c	99.0 a	99.0 a	55.0 bc	0.0 d	0.0 b	93.3 ab	92.0 c	50.0 c
	RESICORE XL	3.29 ZC		40.0 oz/a	POST	C										
	AATREX	4 L		32.0 oz/a	POST	C										
	ROUNDUP P-MAX3	5.88 SL		26.7 oz/a	POST	C										
	PRIME OIL			1.0 % v/v	POST	C										
	AMSOL			2.5 % v/v	POST	C										
11	AATREX	4 L		32.0 oz/a	PRE	A	0.0 c	0.0 c	98.0 a	99.0 a	58.8 b	0.0 d	0.0 b	86.8 ab	93.3 bc	56.3 c
	KYRO	3.487 ZC		45.0 oz/a	POST	C										
	AATREX	4 L		32.0 oz/a	POST	C										
	ROUNDUP P-MAX3	5.88 SL		26.7 oz/a	POST	C										
	PRIME OIL			1.0 % v/v	POST	C										
	AMSOL			2.5 % v/v	POST	C										
12	DUAL II MAGNUM	7.64 EC		16.0 oz/a	PRE	A	0.0 c	1.3 c	69.8 b	99.0 a	98.0 a	3.8 bc	2.5 b	55.0 c	99.0 a	91.3 ab
	KYRO	3.487 ZC		45.0 oz/a	POST	C										
	AATREX	4 L		32.0 oz/a	POST	C										
	ROUNDUP P-MAX3	5.88 SL		26.7 oz/a	POST	C										
	PRIME OIL			1.0 % v/v	POST	C										
	AMSOL			2.5 % v/v	POST	C										

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.
 Could not calculate LSD (% mean diff) for columns 4 because error mean square = 0.
 ^Calculated from residual.

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WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL																	
Trial ID: CN-11-23		Study Dir.: H. SANDERS/J. RICHBURG															
Location: PONDER FARM		Investigator: Eric P. Prostko															
Weed Code																	
Crop Code																	
Rating Data Type																	
Rating Unit																	
Rating Date																	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	1	2	3	4	5	6	7	8	9	10
13	AATREX	4 L		32.0	oz/a	PRE	A	0.0 c	0.0 c	99.0 a	99.0 a	47.5 c	1.3 cd	1.3 b	78.5 b	96.8 ab	35.0 d
	HALEX GT	4.38 SC		45.0	oz/a	POST	C										
	AATREX	4 L		32.0	oz/a	POST	C										
	INDUCE			0.25	% v/v	POST	C										
	AMSOL			2.5	% v/v	POST	C										
14	ROUNDUP P-MAX3	5.88 SL		22.0	oz/a	EPOST	B	3.8 b	5.0 b	99.0 a	99.0 a	89.8 a	0.0 d	0.0 b	99.0 a	99.0 a	94.8 ab
	AATREX	4 L		64.0	oz/a	EPOST	B										
	PROWL H20	3.8 SC		32.0	oz/a	EPOST	B										
	LSD P=.10			2.13				2.13	1.37	14.92	.	8.56	3.55	2.53	16.25	4.30	12.73
	Standard Deviation			1.79				1.79	1.15	12.52	0.00	7.19	2.98	2.13	13.64	3.61	10.69
	CV			153.96				153.96	55.87	13.96	0.0	9.01	133.44	183.2	15.95	3.98	13.79
	Grand Mean			1.16				1.16	2.05	89.70	91.93	79.77	2.23	1.16	85.50	90.79	77.48

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 Could not calculate LSD (% mean diff) for columns 4 because error mean square = 0.
 ^Calculated from residual.

University of Georgia

WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL															
Trial ID: CN-11-23		Study Dir.: H. SANDERS/J. RICHBURG													
Location: PONDER FARM		Investigator: Eric P. Prostko													
Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	----- Zeama Stunting %	----- Zeama Bleaching %	----- Amapa Control %	----- Rapra Control %	----- Agrass Control %	----- Rapra Control %	----- Amapa Control %	----- Agrass Control %	----- DEDTO Cobtrol %		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	11	12	13	14	15	16	17	18	19
1	NTC						0.0 c	0.0 d	0.0 c	0.0 e	0.0 f	0.0 d	0.0 c	0.0 e	0.0 f
2	ACURON	3.44 SC		64.0 oz/a	PRE	A	5.0 bc	0.0 d	99.0 a	93.3 abc	92.3 b	97.0 ab	97.0 a	96.0 a	66.3 abc
	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	LPOST	D									
	INDUCE			0.25 % v/v	LPOST	D									
	AMSOL			2.5 % v/v	LPOST	D									
3	BICEP II MAGNUM	5.5 SC		67.2 oz/a	PRE	A	1.3 bc	0.0 d	99.0 a	95.8 abc	86.0 c	99.0 a	98.0 a	96.0 a	27.5 ef
	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	LPOST	D									
	INDUCE			0.25 % v/v	LPOST	D									
	AMSOL			2.5 % v/v	LPOST	D									
4	RESICORE XL	3.29 ZC		64.0 oz/a	PRE	A	1.3 bc	0.0 d	99.0 a	89.5 bc	63.8 d	96.8 ab	95.8 a	95.0 ab	15.0 ef
	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	LPOST	D									
	INDUCE			0.25 % v/v	LPOST	D									
	AMSOL			2.5 % v/v	LPOST	D									
5	MAVERICK	2.04 SC		24.0 oz/a	PRE	A	6.3 b	0.0 d	99.0 a	98.0 ab	94.8 ab	96.8 ab	98.0 a	87.5 b	60.0 bcd
	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	LPOST	D									
	INDUCE			0.25 % v/v	LPOST	D									
	AMSOL			2.5 % v/v	LPOST	D									
6	MAVERICK	2.04 SC		18.0 oz/a	PRE	A	2.5 bc	0.0 d	98.0 b	97.0 ab	86.3 c	98.0 ab	99.0 a	94.8 ab	67.5 abc
	MAVERICK	2.04 SC		14.0 oz/a	LPOST	D									
	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	LPOST	D									
	INDUCE			0.25 % v/v	LPOST	D									
	AMSOL			2.5 % v/v	LPOST	D									
7	MAVERICK	2.04 SC		24.0 oz/a	PRE	A	3.8 bc	0.0 d	99.0 a	95.8 abc	92.5 b	99.0 a	98.0 a	95.0 ab	22.5 ef
	AATREX	4 L		24.0 oz/a	PRE	A									
	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	LPOST	D									
	INDUCE			0.25 % v/v	LPOST	D									
	AMSOL			2.5 % v/v	LPOST	D									
8	RESICORE XL	3.29 ZC		64.0 oz/a	PRE	A	2.5 bc	0.0 d	99.0 a	89.5 bc	56.3 e	90.0 c	91.0 b	40.0 d	38.8 cde
	AATREX	4 L		32.0 oz/a	PRE	A									
9	RESICORE XL	3.29 ZC		40.0 oz/a	EPOST	B	16.3 a	0.0 d	99.0 a	87.3 cd	82.5 c	97.0 ab	90.0 b	68.8 c	33.8 de
	AATREX	4 L		32.0 oz/a	EPOST	B									
	ROUNDUP P-MAX3	5.88 SL		26.7 oz/a	EPOST	B									
	PRIME OIL			1.0 % v/v	EPOST	B									
	AMSOL			2.5 % v/v	EPOST	B									
10	AATREX	4 L		32.0 oz/a	PRE	A	5.0 bc	5.0 c	99.0 a	99.0 a	99.0 a	96.8 ab	97.0 a	95.0 ab	66.3 abc
	RESICORE XL	3.29 ZC		40.0 oz/a	POST	C									
	AATREX	4 L		32.0 oz/a	POST	C									
	ROUNDUP P-MAX3	5.88 SL		26.7 oz/a	POST	C									
	PRIME OIL			1.0 % v/v	POST	C									
	AMSOL			2.5 % v/v	POST	C									
11	AATREX	4 L		32.0 oz/a	PRE	A	6.3 b	11.3 b	99.0 a	99.0 a	99.0 a	98.0 ab	96.8 a	95.0 ab	67.5 abc
	KYRO	3.487 ZC		45.0 oz/a	POST	C									
	AATREX	4 L		32.0 oz/a	POST	C									
	ROUNDUP P-MAX3	5.88 SL		26.7 oz/a	POST	C									
	PRIME OIL			1.0 % v/v	POST	C									
	AMSOL			2.5 % v/v	POST	C									
12	DUAL II MAGNUM	7.64 EC		16.0 oz/a	PRE	A	13.8 a	13.8 a	99.0 a	99.0 a	98.0 ab	99.0 a	99.0 a	97.0 a	90.0 a
	KYRO	3.487 ZC		45.0 oz/a	POST	C									
	AATREX	4 L		32.0 oz/a	POST	C									
	ROUNDUP P-MAX3	5.88 SL		26.7 oz/a	POST	C									
	PRIME OIL			1.0 % v/v	POST	C									
	AMSOL			2.5 % v/v	POST	C									

Means followed by same letter or symbol do not significantly differ (P= .10, LSD).
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 Could not calculate LSD (% mean diff) for columns 4 because error mean square = 0.
 ^Calculated from residual.

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WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL															
Trial ID: CN-11-23		Study Dir.: H. SANDERS/J. RICHBURG													
Location: PONDER FARM		Investigator: Eric P. Prostko													
Weed Code					-----	-----	Amapa	Rapra	Agrass	Rapra	Amapa	Agrass	DEDTO		
Crop Code					Zeama	Zeama	-----	-----	-----	-----	-----	-----	-----	-----	
Rating Data Type					Stunting	Bleaching	Control	Control	Control	Control	Control	Control	Control	Cobtrol	
Rating Unit					%	%	%	%	%	%	%	%	%	%	
Rating Date					May-9-23	May-9-23	May-9-23	May-9-23	May-9-23	May-26-23	May-26-23	May-26-23	May-26-23	May-26-23	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	11	12	13	14	15	16	17	18	19
13	AATREX	4 L		32.0 oz/a	PRE	A	6.3 b	0.0 d	99.0 a	98.0 ab	95.8 ab	98.0 ab	99.0 a	96.0 a	70.0 ab
	HALEX GT	4.38 SC		45.0 oz/a	POST	C									
	AATREX	4 L		32.0 oz/a	POST	C									
	INDUCE			0.25 % v/v	POST	C									
	AMSOL			2.5 % v/v	POST	C									
14	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	EPOST	B	0.0 c	0.0 d	99.0 a	80.0 d	94.8 ab	94.8 b	91.3 b	93.8 ab	63.8 abc
	AATREX	4 L		64.0 oz/a	EPOST	B									
	PROWL H20	3.8 SC		32.0 oz/a	EPOST	B									
LSD P=.10					6.03	1.75	0.64	9.02	5.85	3.29	3.65	7.89	28.88		
Standard Deviation					5.06	1.47	0.53	7.57	4.91	2.76	3.07	6.62	24.24		
CV					101.27	68.46	0.58	8.68	6.02	3.06	3.44	8.06	49.27		
Grand Mean					5.00	2.14	91.86	87.21	81.48	90.00	89.27	82.13	49.20		

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
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 Could not calculate LSD (% mean diff) for columns 4 because error mean square = 0.
 ^Calculated from residual.

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WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL					
Trial ID:	CN-11-23	Study Dir.:	H. SANDERS/J. RICHBURG		
Location:	PONDER FARM	Investigator:	Eric P. Prostko		

						Amapa	Dedto	Agrass	TOTAL	-----	-----	
						Control	Control	Control	WEED	ZEAMA	ZEAMA	
						%	%	%	Cover	YIELD	YIELD	
						Aug-15-23	Aug-15-23	Aug-15-23	Aug-15-23	LBS/PLOT	BU/A	
										Sep-7-23	Sep-7-23	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	20	21	22	23	24	25
1	NTC						0.0 c	96.0 a	0.0 e	96.3 a	34.5 c	181 c
2	ACURON	3.44	SC	64.0 oz/a	PRE	A	99.0 a	5.0 ef	91.3 ab	67.5 de	47.0 ab	246 ab
	ROUNDUP P-MAX3	5.88	SL	22.0 oz/a	LPOST	D						
	INDUCE			0.25 % v/v	LPOST	D						
	AMSOL			2.5 % v/v	LPOST	D						
3	BICEP II MAGNUM	5.5	SC	67.2 oz/a	PRE	A	99.0 a	0.0 f	95.0 a	93.8 ab	46.8 ab	245 ab
	ROUNDUP P-MAX3	5.88	SL	22.0 oz/a	LPOST	D						
	INDUCE			0.25 % v/v	LPOST	D						
	AMSOL			2.5 % v/v	LPOST	D						
4	RESICORE XL	3.29	ZC	64.0 oz/a	PRE	A	98.3 a	0.0 f	95.0 a	96.3 a	46.3 ab	242 ab
	ROUNDUP P-MAX3	5.88	SL	22.0 oz/a	LPOST	D						
	INDUCE			0.25 % v/v	LPOST	D						
	AMSOL			2.5 % v/v	LPOST	D						
5	MAVERICK	2.04	SC	24.0 oz/a	PRE	A	99.0 a	36.3 cd	60.0 cd	88.8 abc	44.5 ab	233 ab
	ROUNDUP P-MAX3	5.88	SL	22.0 oz/a	LPOST	D						
	INDUCE			0.25 % v/v	LPOST	D						
	AMSOL			2.5 % v/v	LPOST	D						
6	MAVERICK	2.04	SC	18.0 oz/a	PRE	A	96.8 ab	30.0 cd	80.0 abc	58.8 ef	43.8 ab	229 ab
	MAVERICK	2.04	SC	14.0 oz/a	LPOST	D						
	ROUNDUP P-MAX3	5.88	SL	22.0 oz/a	LPOST	D						
	INDUCE			0.25 % v/v	LPOST	D						
	AMSOL			2.5 % v/v	LPOST	D						
7	MAVERICK	2.04	SC	24.0 oz/a	PRE	A	99.0 a	5.0 ef	95.0 a	95.0 ab	45.5 ab	238 ab
	AATREX	4	L	24.0 oz/a	PRE	A						
	ROUNDUP P-MAX3	5.88	SL	22.0 oz/a	LPOST	D						
	INDUCE			0.25 % v/v	LPOST	D						
	AMSOL			2.5 % v/v	LPOST	D						
8	RESICORE XL	3.29	ZC	64.0 oz/a	PRE	A	99.0 a	53.8 bc	33.8 d	95.0 ab	46.5 ab	244 ab
	AATREX	4	L	32.0 oz/a	PRE	A						
9	RESICORE XL	3.29	ZC	40.0 oz/a	EPOST	B	99.0 a	12.5 def	68.8 abc	90.0 abc	46.8 ab	245 ab
	AATREX	4	L	32.0 oz/a	EPOST	B						
	ROUNDUP P-MAX3	5.88	SL	26.7 oz/a	EPOST	B						
	PRIME OIL			1.0 % v/v	EPOST	B						
	AMSOL			2.5 % v/v	EPOST	B						
10	AATREX	4	L	32.0 oz/a	PRE	A	98.0 a	26.3 de	76.3 abc	78.8 bcd	49.3 a	258 a
	RESICORE XL	3.29	ZC	40.0 oz/a	POST	C						
	AATREX	4	L	32.0 oz/a	POST	C						
	ROUNDUP P-MAX3	5.88	SL	26.7 oz/a	POST	C						
	PRIME OIL			1.0 % v/v	POST	C						
	AMSOL			2.5 % v/v	POST	C						
11	AATREX	4	L	32.0 oz/a	PRE	A	95.5 ab	65.0 b	66.3 bc	63.8 de	43.0 b	225 b
	KYRO	3.487	ZC	45.0 oz/a	POST	C						
	AATREX	4	L	32.0 oz/a	POST	C						
	ROUNDUP P-MAX3	5.88	SL	26.7 oz/a	POST	C						
	PRIME OIL			1.0 % v/v	POST	C						
	AMSOL			2.5 % v/v	POST	C						
12	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	99.0 a	65.0 b	90.0 ab	46.3 f	46.5 ab	244 ab
	KYRO	3.487	ZC	45.0 oz/a	POST	C						
	AATREX	4	L	32.0 oz/a	POST	C						
	ROUNDUP P-MAX3	5.88	SL	26.7 oz/a	POST	C						
	PRIME OIL			1.0 % v/v	POST	C						
	AMSOL			2.5 % v/v	POST	C						

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.
 Could not calculate LSD (% mean diff) for columns 4 because error mean square = 0.
 ^Calculated from residual.

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WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL						
Trial ID:	CN-11-23	Study Dir.:	H. SANDERS/J. RICHBURG			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			

Weed Code						Amapa	Dedto	Agrass	TOTAL	-----	-----	
Crop Code						-----	-----	-----	WEED	ZEAMA	ZEAMA	
Rating Data Type						Control	Control	Control	Cover	YIELD	YIELD	
Rating Unit						%	%	%	%	LBS/PLOT	BU/A	
Rating Date						Aug-15-23	Aug-15-23	Aug-15-23	Aug-15-23	Sep-7-23	Sep-7-23	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	20	21	22	23	24	25
13	AATREX	4 L		32.0 oz/a	PRE	A	98.0 a	25.0 de	88.8 ab	80.0 a-d	43.8 ab	229 ab
	HALEX GT	4.38 SC		45.0 oz/a	POST	C						
	AATREX	4 L		32.0 oz/a	POST	C						
	INDUCE			0.25 % v/v	POST	C						
	AMSOL			2.5 % v/v	POST	C						
14	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	EPOST	B	93.3 b	22.5 def	75.0 abc	75.0 cde	43.8 ab	229 ab
	AATREX	4 L		64.0 oz/a	EPOST	B						
	PROWL H20	3.8 SC		32.0 oz/a	EPOST	B						
LSD P=.10							3.64	24.55	27.13	17.18	6.24	32.7
Standard Deviation							3.05	20.61	22.77	14.42	5.24	27.5
CV							3.36	65.24	31.41	17.95	11.69	11.69
Grand Mean							90.91	31.59	72.50	80.36	44.84	235.0

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.
 Could not calculate LSD (% mean diff) for columns 4 because error mean square = 0.
 ^Calculated from residual.

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WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL						
Trial ID:	CN-11-23	Study Dir.:	H. SANDERS/J. RICHBURG			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
Randomized Complete Block (RCB) AOV For ----- Zeama Stunting % Apr-19-23 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	55	549.553571				
Replicate	3	19.196429	6.398810	2.004	0.1294	
Treatment	13	405.803571	31.215659	9.774	0.0001	
Error	39	124.553571	3.193681			
Randomized Complete Block (RCB) AOV For ----- Zeama Necrosis % Apr-19-23 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	55	1538.839286				
Replicate	3	4.910714	1.636905	1.243	0.3071	
Treatment	13	1482.589286	114.045330	86.635	0.0001	
Error	39	51.339286	1.316392			
Randomized Complete Block (RCB) AOV For Rapra ----- Control % Apr-19-23 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	55	44351.839286				
Replicate	3	447.482143	149.160714	0.951	0.4255	
Treatment	13	37787.089286	2906.699176	18.531	0.0001	
Error	39	6117.267857	156.853022			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % Apr-19-23 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	55	36403.714286				
Replicate	3	0.000000	0.000000	0.000	1.0000	
Treatment	13	36403.714286	2800.285714	0.000	1.0000	
Error	39	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For Agrass ----- Control % Apr-19-23 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	55	46299.982143				
Replicate	3	68.767857	22.922619	0.444	0.7230	
Treatment	13	44216.732143	3401.287088	65.848	0.0001	
Error	39	2014.482143	51.653388			
Randomized Complete Block (RCB) AOV For ----- Zeama Stunting % Apr-27-23 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	55	1345.982143				
Replicate	3	22.767857	7.589286	0.855	0.4722	
Treatment	13	977.232143	75.171703	8.474	0.0001	
Error	39	345.982143	8.871337			
Randomized Complete Block (RCB) AOV For ----- Zeama Necrosis % Apr-27-23 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	55	649.553571				
Replicate	3	4.910714	1.636905	0.362	0.7807	
Treatment	13	468.303571	36.023352	7.967	0.0001	
Error	39	176.339286	4.521520			
Randomized Complete Block (RCB) AOV For Rapra ----- Control % Apr-27-23 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	55	47038.000000				
Replicate	3	555.571429	185.190476	0.995	0.4052	
Treatment	13	39226.000000	3017.384615	16.217	0.0001	
Error	39	7256.428571	186.062271			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % Apr-27-23 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	55	36391.428571				
Replicate	3	105.285714	35.095238	2.693	0.0593	
Treatment	13	35777.928571	2752.148352	211.198	0.0001	
Error	39	508.214286	13.031136			
Randomized Complete Block (RCB) AOV For Agrass ----- Control % Apr-27-23 (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	55	52895.982143				
Replicate	3	347.482143	115.827381	1.014	0.3968	
Treatment	13	48094.732143	3699.594780	32.396	0.0001	
Error	39	4453.767857	114.199176			

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WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL					
Trial ID:	CN-11-23	Study Dir.:	H. SANDERS/J. RICHBURG		
Location:	PONDER FARM	Investigator:	Eric P. Prostko		
Randomized Complete Block (RCB) AOV For ----- Zeama Stunting % May-9-23 (Data Column 11)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	55	2200.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	13	1200.000000	92.307692	3.600	0.0009
Error	39	1000.000000	25.641026		
Randomized Complete Block (RCB) AOV For ----- Zeama Bleaching % May-9-23 (Data Column 12)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	55	1192.857143			
Replicate	3	3.571429	1.190476	0.553	0.6491
Treatment	13	1105.357143	85.027473	39.511	0.0001
Error	39	83.928571	2.152015		
Randomized Complete Block (RCB) AOV For Amapa ----- Control % May-9-23 (Data Column 13)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	55	36362.857143			
Replicate	3	0.857143	0.285714	1.000	0.4031
Treatment	13	36350.857143	2796.219780	9786.769	0.0001
Error	39	11.142857	0.285714		
Randomized Complete Block (RCB) AOV For Rapra ----- Control % May-9-23 (Data Column 14)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	55	36901.428571			
Replicate	3	281.571429	93.857143	1.637	0.1964
Treatment	13	34384.428571	2644.956044	46.145	0.0001
Error	39	2235.428571	57.318681		
Randomized Complete Block (RCB) AOV For Agrass ----- Control % May-9-23 (Data Column 15)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	55	38563.982143			
Replicate	3	368.339286	122.779762	5.100	0.0045
Treatment	13	37256.732143	2865.902473	119.042	0.0001
Error	39	938.910714	24.074634		
Randomized Complete Block (RCB) AOV For Rapra ----- Control % May-26-23 (Data Column 16)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	55	35560.000000			
Replicate	3	94.428571	31.476190	4.139	0.0122
Treatment	13	35169.000000	2705.307692	355.756	0.0001
Error	39	296.571429	7.604396		
Randomized Complete Block (RCB) AOV For Amapa ----- Control % May-26-23 (Data Column 17)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	55	35230.982143			
Replicate	3	37.339286	12.446429	1.323	0.2807
Treatment	13	34826.732143	2678.979396	284.756	0.0001
Error	39	366.910714	9.407967		
Randomized Complete Block (RCB) AOV For Agrass ---- Control % May-26-23 (Data Column 18)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	55	43838.125000			
Replicate	3	196.910714	65.636905	1.498	0.2301
Treatment	13	41932.875000	3225.605769	73.638	0.0001
Error	39	1708.339286	43.803571		
Randomized Complete Block (RCB) AOV For DEDTO ----- Cobtrol % May-26-23 (Data Column 19)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	55	61138.839286			
Replicate	3	3033.482143	1011.160714	1.721	0.1785
Treatment	13	35195.089286	2707.314560	4.609	0.0001
Error	39	22910.267857	587.442766		
Randomized Complete Block (RCB) AOV For Amapa ----- Control % Aug-15-23 (Data Column 20)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	55	36134.553571			
Replicate	3	19.482143	6.494048	0.696	0.5600
Treatment	13	35751.303571	2750.100275	294.842	0.0001
Error	39	363.767857	9.327381		

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WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL					
Trial ID:	CN-11-23	Study Dir.:	H. SANDERS/J. RICHBURG		
Location:	PONDER FARM	Investigator:	Eric P. Prostko		
Randomized Complete Block (RCB) AOV For Dedto ----- Control % Aug-15-23 (Data Column 21)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	55	64269.553571			
Replicate	3	4401.482143	1467.160714	3.454	0.0255
Treatment	13	43301.303571	3330.869505	7.841	0.0001
Error	39	16566.767857	424.788919		
Randomized Complete Block (RCB) AOV For Agrass ----- Control % Aug-15-23 (Data Column 22)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	55	61200.000000			
Replicate	3	3042.857143	1014.285714	1.956	0.1365
Treatment	13	37937.500000	2918.269231	5.629	0.0001
Error	39	20219.642857	518.452381		
Randomized Complete Block (RCB) AOV For TOTAL WEED Cover % Aug-15-23 (Data Column 23)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	55	21642.857143			
Replicate	3	10.714286	3.571429	0.017	0.9969
Treatment	13	13517.857143	1039.835165	4.998	0.0001
Error	39	8114.285714	208.058608		
Randomized Complete Block (RCB) AOV For ----- ZEAMA YIELD LBS/PLOT Sep-7-23 (Data Column 24)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	55	1797.553571			
Replicate	3	113.339286	37.779762	1.376	0.2644
Treatment	13	613.303571	47.177198	1.718	0.0956
Error	39	1070.910714	27.459249		
Randomized Complete Block (RCB) AOV For ----- ZEAMA YIELD BU/A Sep-7-23 (Data Column 25)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	55	49374.343773			
Replicate	3	3113.149419	1037.716473	1.376	0.2644
Treatment	13	16845.929854	1295.840758	1.718	0.0956
Error	39	29415.264500	754.237551		
<u>Rating Unit</u>					
% = PERCENT					
<u>ARM Action Codes</u>					
TY1 = 5.24094675*[24]					

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WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL														
Trial ID: CN-11-23		Study Dir.: H. SANDERS/J. RICHBURG												
Location: PONDER FARM		Investigator: Eric P. Prostko												
Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	----- Zeama Stunting %	----- Zeama Necrosis %	Rapra ----- Control %	Amapa ----- Control %	Agrass ----- Control %	----- Zeama Stunting %	----- Zeama Necrosis %	Rapra ----- Control %	Amapa ----- Control %	
					Apr-19-23	Apr-19-23	Apr-19-23	Apr-19-23	Apr-19-23	Apr-27-23	Apr-27-23	Apr-27-23	Apr-27-23	
Trt	Treatment	Form Form	Rate	Grow	Appl	1	2	3	4	5	6	7	8	9
No.	Name	Conc Type	Rate Unit	Stg	Code Plot									
1	NTC				101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
					207	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
					303	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
					410	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
					Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	ACURON	3.44 SC	64.0 oz/a	PRE	A 102	0.0	0.0	99.0	99.0	95.0	0.0	0.0	99.0	99.0
	ROUNDUP P-MAX3	5.88 SL	22.0 oz/a	LPOST	D 204	0.0	0.0	99.0	99.0	99.0	10.0	0.0	99.0	99.0
	INDUCE		0.25 % v/v	LPOST	D 309	0.0	5.0	99.0	99.0	99.0	10.0	5.0	99.0	99.0
	AMSOL		2.5 % v/v	LPOST	D 403	0.0	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0
					Mean =	0.0	1.3	99.0	99.0	98.0	5.0	1.3	99.0	99.0
3	BICEP II MAGNUM	5.5 SC	67.2 oz/a	PRE	A 103	0.0	0.0	99.0	99.0	95.0	0.0	0.0	99.0	99.0
	ROUNDUP P-MAX3	5.88 SL	22.0 oz/a	LPOST	D 209	0.0	0.0	95.0	99.0	65.0	0.0	0.0	95.0	99.0
	INDUCE		0.25 % v/v	LPOST	D 312	0.0	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0
	AMSOL		2.5 % v/v	LPOST	D 406	0.0	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0
					Mean =	0.0	0.0	98.0	99.0	89.5	0.0	0.0	98.0	99.0
4	RESICORE XL	3.29 ZC	64.0 oz/a	PRE	A 104	0.0	0.0	99.0	99.0	95.0	0.0	0.0	99.0	99.0
	ROUNDUP P-MAX3	5.88 SL	22.0 oz/a	LPOST	D 212	0.0	0.0	99.0	99.0	90.0	0.0	0.0	99.0	99.0
	INDUCE		0.25 % v/v	LPOST	D 311	10.0	0.0	99.0	99.0	99.0	5.0	0.0	95.0	99.0
	AMSOL		2.5 % v/v	LPOST	D 408	0.0	0.0	99.0	99.0	95.0	0.0	0.0	90.0	99.0
					Mean =	2.5	0.0	99.0	99.0	94.8	1.3	0.0	95.8	99.0
5	MAVERICK	2.04 SC	24.0 oz/a	PRE	A 105	0.0	0.0	99.0	99.0	99.0	5.0	0.0	99.0	99.0
	ROUNDUP P-MAX3	5.88 SL	22.0 oz/a	LPOST	D 214	0.0	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0
	INDUCE		0.25 % v/v	LPOST	D 301	0.0	0.0	99.0	99.0	95.0	0.0	0.0	99.0	99.0
	AMSOL		2.5 % v/v	LPOST	D 411	0.0	0.0	99.0	99.0	99.0	5.0	0.0	99.0	99.0
					Mean =	0.0	0.0	99.0	99.0	98.0	2.5	0.0	99.0	99.0
6	MAVERICK	2.04 SC	18.0 oz/a	PRE	A 106	0.0	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0
	MAVERICK	2.04 SC	14.0 oz/a	LPOST	D 205	0.0	0.0	99.0	99.0	95.0	5.0	0.0	95.0	99.0
	ROUNDUP P-MAX3	5.88 SL	22.0 oz/a	LPOST	D 314	0.0	0.0	99.0	99.0	85.0	0.0	0.0	99.0	95.0
	INDUCE		0.25 % v/v	LPOST	D 404	0.0	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0
	AMSOL		2.5 % v/v	LPOST	D									
					Mean =	0.0	0.0	99.0	99.0	94.5	1.3	0.0	98.0	98.0
7	MAVERICK	2.04 SC	24.0 oz/a	PRE	A 107	0.0	0.0	99.0	99.0	95.0	0.0	0.0	99.0	99.0
	AATREX	4 L	24.0 oz/a	PRE	A 210	0.0	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0
	ROUNDUP P-MAX3	5.88 SL	22.0 oz/a	LPOST	D 305	0.0	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0
	INDUCE		0.25 % v/v	LPOST	D 409	0.0	0.0	99.0	99.0	95.0	0.0	0.0	99.0	99.0
	AMSOL		2.5 % v/v	LPOST	D									
					Mean =	0.0	0.0	99.0	99.0	97.0	0.0	0.0	99.0	99.0
8	RESICORE XL	3.29 ZC	64.0 oz/a	PRE	A 108	0.0	0.0	99.0	99.0	95.0	0.0	0.0	99.0	99.0
	AATREX	4 L	32.0 oz/a	PRE	A 201	0.0	0.0	99.0	99.0	99.0	0.0	0.0	90.0	99.0
					304	0.0	0.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0
					407	0.0	5.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0
					Mean =	0.0	1.3	99.0	99.0	98.0	0.0	0.0	96.8	99.0
9	RESICORE XL	3.29 ZC	40.0 oz/a	EPOST	B 109	10.0	20.0	99.0	99.0	99.0	20.0	15.0	99.0	99.0
	AATREX	4 L	32.0 oz/a	EPOST	B 213	10.0	20.0	99.0	99.0	95.0	15.0	5.0	99.0	99.0
	ROUNDUP P-MAX3	5.88 SL	26.7 oz/a	EPOST	B 310	10.0	20.0	99.0	99.0	99.0	15.0	15.0	99.0	99.0
	PRIME OIL		1.0 % v/v	EPOST	B 402	10.0	20.0	99.0	99.0	99.0	15.0	10.0	99.0	99.0
	AMSOL		2.5 % v/v	EPOST	B									
					Mean =	10.0	20.0	99.0	99.0	98.0	16.3	11.3	99.0	99.0
10	AATREX	4 L	32.0 oz/a	PRE	A 110	0.0	0.0	99.0	99.0	60.0	0.0	0.0	99.0	99.0
	RESICORE XL	3.29 ZC	40.0 oz/a	POST	C 211	0.0	0.0	99.0	99.0	50.0	0.0	0.0	95.0	75.0
	AATREX	4 L	32.0 oz/a	POST	C 307	0.0	0.0	99.0	99.0	50.0	0.0	0.0	99.0	95.0
	ROUNDUP P-MAX3	5.88 SL	26.7 oz/a	POST	C 401	0.0	0.0	99.0	99.0	60.0	0.0	0.0	80.0	99.0
	PRIME OIL		1.0 % v/v	POST	C									
	AMSOL		2.5 % v/v	POST	C									
					Mean =	0.0	0.0	99.0	99.0	55.0	0.0	0.0	93.3	92.0

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WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL									
Trial ID:	CN-11-23	Study Dir.:	H. SANDERS/J. RICHBURG						
Location:	PONDER FARM	Investigator:	Eric P. Prostko						

Weed Code							----- Zeama Stunting %	----- Zeama Necrosis %	Rapra ----- Control %	Amapa ----- Control %	Agrass ----- Control %	----- Zeama Stunting %	----- Zeama Necrosis %	Rapra ----- Control %	Amapa ----- Control %		
Rating Data Type							Apr-19-23	Apr-19-23	Apr-19-23	Apr-19-23	Apr-19-23	Apr-27-23	Apr-27-23	Apr-27-23	Apr-27-23		
Rating Unit																	
Rating Date																	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	Appl Code	Plot	1	2	3	4	5	6	7	8	9
11	AATREX	4 L		32.0 oz/a	PRE	A	111		0.0	0.0	99.0	99.0	60.0	0.0	0.0	99.0	99.0
	KYRO	3.487 ZC		45.0 oz/a	POST	C	208		0.0	0.0	95.0	99.0	65.0	0.0	0.0	50.0	85.0
	AATREX	4 L		32.0 oz/a	POST	C	306		0.0	0.0	99.0	99.0	50.0	0.0	0.0	99.0	90.0
	ROUNDUP P-MAX3	5.88 SL		26.7 oz/a	POST	C	414		0.0	0.0	99.0	99.0	60.0	0.0	0.0	99.0	99.0
	PRIME OIL			1.0 % v/v	POST	C											
	AMSOL			2.5 % v/v	POST	C											
							Mean =		0.0	0.0	98.0	99.0	58.8	0.0	0.0	86.8	93.3
12	DUAL II MAGNUM	7.64 EC		16.0 oz/a	PRE	A	112		0.0	0.0	90.0	99.0	99.0	0.0	0.0	85.0	99.0
	KYRO	3.487 ZC		45.0 oz/a	POST	C	203		0.0	0.0	90.0	99.0	95.0	15.0	10.0	70.0	99.0
	AATREX	4 L		32.0 oz/a	POST	C	302		0.0	0.0	0.0	99.0	99.0	0.0	0.0	0.0	99.0
	ROUNDUP P-MAX3	5.88 SL		26.7 oz/a	POST	C	405		0.0	5.0	99.0	99.0	99.0	0.0	0.0	65.0	99.0
	PRIME OIL			1.0 % v/v	POST	C											
	AMSOL			2.5 % v/v	POST	C											
							Mean =		0.0	1.3	69.8	99.0	98.0	3.8	2.5	55.0	99.0
13	AATREX	4 L		32.0 oz/a	PRE	A	113		0.0	0.0	99.0	99.0	50.0	5.0	5.0	95.0	99.0
	HALEX GT	4.38 SC		45.0 oz/a	POST	C	206		0.0	0.0	99.0	99.0	60.0	0.0	0.0	60.0	90.0
	AATREX	4 L		32.0 oz/a	POST	C	313		0.0	0.0	99.0	99.0	30.0	0.0	0.0	99.0	99.0
	INDUCE			0.25 % v/v	POST	C	412		0.0	0.0	99.0	99.0	50.0	0.0	0.0	60.0	99.0
	AMSOL			2.5 % v/v	POST	C											
							Mean =		0.0	0.0	99.0	99.0	47.5	1.3	1.3	78.5	96.8
14	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	EPOST	B	114		0.0	5.0	99.0	99.0	95.0	0.0	0.0	99.0	99.0
	AATREX	4 L		64.0 oz/a	EPOST	B	202		0.0	5.0	99.0	99.0	90.0	0.0	0.0	99.0	99.0
	PROWL H20	3.8 SC		32.0 oz/a	EPOST	B	308		10.0	5.0	99.0	99.0	99.0	0.0	0.0	99.0	99.0
							413		5.0	5.0	99.0	99.0	75.0	0.0	0.0	99.0	99.0
							Mean =		3.8	5.0	99.0	99.0	89.8	0.0	0.0	99.0	99.0

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WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL													
Trial ID:		CN-11-23		Study Dir.:		H. SANDERS/J. RICHBURG							
Location:		PONDER FARM		Investigator:		Eric P. Prostko							
Weed Code				Agrass		----- Zeama		----- Zeama		Amapa		Rapra	
Crop Code				----- Control		----- Stunting		----- Bleaching		----- Control		----- Control	
Rating Data Type				%		%		%		%		%	
Rating Unit				%		%		%		%		%	
Rating Date				Apr-27-23		May-9-23		May-9-23		May-9-23		May-26-23	
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	10	11	12	13	14
1	NTC							101	0.0	0.0	0.0	0.0	0.0
								207	0.0	0.0	0.0	0.0	0.0
								303	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
2	ACURON	3.44	SC	64.0 oz/a	PRE	A		102	95.0	0.0	0.0	99.0	99.0
	ROUNDUP P-MAX3	5.88	SL	22.0 oz/a	LPOST	D		204	95.0	0.0	0.0	99.0	99.0
	INDUCE			0.25 % v/v	LPOST	D		309	99.0	5.0	0.0	99.0	90.0
	AMSOL			2.5 % v/v	LPOST	D		403	99.0	15.0	0.0	99.0	85.0
								Mean =	97.0	5.0	0.0	99.0	93.3
3	BICEP II MAGNUM	5.5	SC	67.2 oz/a	PRE	A		103	95.0	5.0	0.0	99.0	90.0
	ROUNDUP P-MAX3	5.88	SL	22.0 oz/a	LPOST	D		209	85.0	0.0	0.0	99.0	95.0
	INDUCE			0.25 % v/v	LPOST	D		312	99.0	0.0	0.0	99.0	99.0
	AMSOL			2.5 % v/v	LPOST	D		406	99.0	0.0	0.0	99.0	99.0
								Mean =	94.5	1.3	0.0	99.0	95.8
4	RESICORE XL	3.29	ZC	64.0 oz/a	PRE	A		104	90.0	0.0	0.0	99.0	99.0
	ROUNDUP P-MAX3	5.88	SL	22.0 oz/a	LPOST	D		212	95.0	5.0	0.0	99.0	99.0
	INDUCE			0.25 % v/v	LPOST	D		311	99.0	0.0	0.0	99.0	85.0
	AMSOL			2.5 % v/v	LPOST	D		408	80.0	0.0	0.0	99.0	75.0
								Mean =	91.0	1.3	0.0	99.0	89.5
5	MAVERICK	2.04	SC	24.0 oz/a	PRE	A		105	99.0	15.0	0.0	99.0	99.0
	ROUNDUP P-MAX3	5.88	SL	22.0 oz/a	LPOST	D		214	99.0	5.0	0.0	99.0	99.0
	INDUCE			0.25 % v/v	LPOST	D		301	99.0	0.0	0.0	99.0	95.0
	AMSOL			2.5 % v/v	LPOST	D		411	99.0	5.0	0.0	99.0	99.0
								Mean =	99.0	6.3	0.0	99.0	98.0
6	MAVERICK	2.04	SC	18.0 oz/a	PRE	A		106	99.0	5.0	0.0	99.0	99.0
	MAVERICK	2.04	SC	14.0 oz/a	LPOST	D		205	99.0	0.0	0.0	99.0	99.0
	ROUNDUP P-MAX3	5.88	SL	22.0 oz/a	LPOST	D		314	99.0	0.0	0.0	95.0	95.0
	INDUCE			0.25 % v/v	LPOST	D		404	99.0	5.0	0.0	99.0	95.0
	AMSOL			2.5 % v/v	LPOST	D							
								Mean =	99.0	2.5	0.0	98.0	97.0
7	MAVERICK	2.04	SC	24.0 oz/a	PRE	A		107	95.0	0.0	0.0	99.0	99.0
	AATREX	4	L	24.0 oz/a	PRE	A		210	95.0	5.0	0.0	99.0	99.0
	ROUNDUP P-MAX3	5.88	SL	22.0 oz/a	LPOST	D		305	99.0	0.0	0.0	99.0	95.0
	INDUCE			0.25 % v/v	LPOST	D		409	95.0	10.0	0.0	99.0	90.0
	AMSOL			2.5 % v/v	LPOST	D							
								Mean =	96.0	3.8	0.0	99.0	95.8
8	RESICORE XL	3.29	ZC	64.0 oz/a	PRE	A		108	95.0	0.0	0.0	99.0	99.0
	AATREX	4	L	32.0 oz/a	PRE	A		201	90.0	10.0	0.0	99.0	95.0
								304	75.0	0.0	0.0	99.0	65.0
								407	80.0	0.0	0.0	99.0	99.0
								Mean =	85.0	2.5	0.0	99.0	89.5
9	RESICORE XL	3.29	ZC	40.0 oz/a	EPOST	B		109	95.0	20.0	0.0	99.0	90.0
	AATREX	4	L	32.0 oz/a	EPOST	B		213	95.0	20.0	0.0	99.0	99.0
	ROUNDUP P-MAX3	5.88	SL	26.7 oz/a	EPOST	B		310	95.0	20.0	0.0	99.0	95.0
	PRIME OIL			1.0 % v/v	EPOST	B		402	99.0	5.0	0.0	99.0	65.0
	AMSOL			2.5 % v/v	EPOST	B							
								Mean =	96.0	16.3	0.0	99.0	87.3
10	AATREX	4	L	32.0 oz/a	PRE	A		110	75.0	0.0	5.0	99.0	99.0
	RESICORE XL	3.29	ZC	40.0 oz/a	POST	C		211	40.0	5.0	5.0	99.0	99.0
	AATREX	4	L	32.0 oz/a	POST	C		307	65.0	5.0	5.0	99.0	99.0
	ROUNDUP P-MAX3	5.88	SL	26.7 oz/a	POST	C		401	20.0	10.0	5.0	99.0	99.0
	PRIME OIL			1.0 % v/v	POST	C							
	AMSOL			2.5 % v/v	POST	C							
								Mean =	50.0	5.0	5.0	99.0	99.0

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WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL															
Trial ID: CN-11-23		Study Dir.: H. SANDERS/J. RICHBURG													
Location: PONDER FARM		Investigator: Eric P. Prostko													
Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Agrass Control %	Zeama Stunting %	Zeama Bleaching %	Amapa Control %	Rapra Control %	Agrass Control %	Rapra Control %	Amapa Control %	Agrass Control %		
					Apr-27-23	May-9-23	May-9-23	May-9-23	May-9-23	May-9-23	May-26-23	May-26-23	May-26-23		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code Plot									
11	AATREX	4 L		32.0 oz/a	PRE	A 111	60.0	5.0	10.0	99.0	99.0	99.0	95.0		
	KYRO	3.487 ZC		45.0 oz/a	POST	C 208	40.0	0.0	5.0	99.0	99.0	99.0	95.0		
	AATREX	4 L		32.0 oz/a	POST	C 306	65.0	10.0	15.0	99.0	99.0	99.0	95.0		
	ROUNDUP P-MAX3	5.88 SL		26.7 oz/a	POST	C 414	60.0	10.0	15.0	99.0	99.0	95.0	95.0		
	PRIME OIL			1.0 % v/v	POST	C									
	AMSOL			2.5 % v/v	POST	C									
						Mean =	56.3	6.3	11.3	99.0	99.0	99.0	95.0		
12	DUAL II MAGNUM	7.64 EC		16.0 oz/a	PRE	A 112	90.0	10.0	15.0	99.0	99.0	95.0	99.0		
	KYRO	3.487 ZC		45.0 oz/a	POST	C 203	90.0	20.0	15.0	99.0	99.0	99.0	95.0		
	AATREX	4 L		32.0 oz/a	POST	C 302	90.0	15.0	10.0	99.0	99.0	99.0	95.0		
	ROUNDUP P-MAX3	5.88 SL		26.7 oz/a	POST	C 405	95.0	10.0	15.0	99.0	99.0	99.0	99.0		
	PRIME OIL			1.0 % v/v	POST	C									
	AMSOL			2.5 % v/v	POST	C									
						Mean =	91.3	13.8	13.8	99.0	99.0	98.0	97.0		
13	AATREX	4 L		32.0 oz/a	PRE	A 113	60.0	10.0	0.0	99.0	99.0	99.0	95.0		
	HALEX GT	4.38 SC		45.0 oz/a	POST	C 206	40.0	0.0	0.0	99.0	99.0	90.0	95.0		
	AATREX	4 L		32.0 oz/a	POST	C 313	0.0	15.0	0.0	99.0	99.0	99.0	95.0		
	INDUCE			0.25 % v/v	POST	C 412	40.0	0.0	0.0	99.0	95.0	95.0	99.0		
	AMSOL			2.5 % v/v	POST	C									
						Mean =	35.0	6.3	0.0	99.0	98.0	95.8	96.0		
14	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	EPOST	B 114	95.0	0.0	0.0	99.0	65.0	95.0	95.0		
	AATREX	4 L		64.0 oz/a	EPOST	B 202	90.0	0.0	0.0	99.0	85.0	90.0	90.0		
	PROWL H20	3.8 SC		32.0 oz/a	EPOST	B 308	95.0	0.0	0.0	99.0	85.0	95.0	95.0		
						413	99.0	0.0	0.0	99.0	85.0	99.0	95.0		
						Mean =	94.8	0.0	0.0	99.0	80.0	94.8	93.8		

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WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL			
Trial ID:	CN-11-23	Study Dir.:	H. SANDERS/J. RICHBURG
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Weed Code					DEDTO	Amapa	Dedto	Agrass	TOTAL WEED	ZEAMA	ZEAMA
Crop Code					-----	-----	-----	-----	WEED	-----	-----
Rating Data Type					Cobtrol	Control	Control	Control	Cover	LBS/PLOT	YIELD
Rating Unit					%	%	%	%	%	Sep-7-23	BU/A
Rating Date					May-26-23	Aug-15-23	Aug-15-23	Aug-15-23	Aug-15-23	Sep-7-23	Sep-7-23
Trt Treatment	Form Form	Rate	Grow	Appl							
No. Name	Conc Type	Rate Unit	Stg	Code Plot	19	20	21	22	23	24	25
1 NTC				101	0.0	0.0	99.0	0.0	100.0	25.0	131
				207	0.0	0.0	95.0	0.0	95.0	48.0	252
				303	0.0	0.0	95.0	0.0	90.0	29.0	152
				410	0.0	0.0	95.0	0.0	100.0	36.0	189
				Mean =	0.0	0.0	96.0	0.0	96.3	34.5	181
2 ACURON	3.44 SC	64.0 oz/a	PRE	A 102	65.0	99.0	0.0	95.0	65.0	45.0	236
ROUNDUP P-MAX3	5.88 SL	22.0 oz/a	LPOST	D 204	60.0	99.0	20.0	90.0	65.0	53.0	278
INDUCE		0.25 % v/v	LPOST	D 309	65.0	99.0	0.0	90.0	75.0	46.0	241
AMSOL		2.5 % v/v	LPOST	D 403	75.0	99.0	0.0	90.0	65.0	44.0	231
				Mean =	66.3	99.0	5.0	91.3	67.5	47.0	246
3 BICEP II MAGNUM	5.5 SC	67.2 oz/a	PRE	A 103	50.0	99.0	0.0	95.0	75.0	53.0	278
ROUNDUP P-MAX3	5.88 SL	22.0 oz/a	LPOST	D 209	0.0	99.0	0.0	95.0	100.0	49.0	257
INDUCE		0.25 % v/v	LPOST	D 312	60.0	99.0	0.0	95.0	100.0	42.0	220
AMSOL		2.5 % v/v	LPOST	D 406	0.0	99.0	0.0	95.0	100.0	43.0	225
				Mean =	27.5	99.0	0.0	95.0	93.8	46.8	245
4 RESICORE XL	3.29 ZC	64.0 oz/a	PRE	A 104	30.0	99.0	0.0	95.0	85.0	53.0	278
ROUNDUP P-MAX3	5.88 SL	22.0 oz/a	LPOST	D 212	0.0	99.0	0.0	95.0	100.0	43.0	225
INDUCE		0.25 % v/v	LPOST	D 311	30.0	96.0	0.0	95.0	100.0	49.0	257
AMSOL		2.5 % v/v	LPOST	D 408	0.0	99.0	0.0	95.0	100.0	40.0	210
				Mean =	15.0	98.3	0.0	95.0	96.3	46.3	242
5 MAVERICK	2.04 SC	24.0 oz/a	PRE	A 105	30.0	99.0	30.0	95.0	65.0	48.0	252
ROUNDUP P-MAX3	5.88 SL	22.0 oz/a	LPOST	D 214	75.0	99.0	0.0	50.0	100.0	37.0	194
INDUCE		0.25 % v/v	LPOST	D 301	85.0	99.0	30.0	0.0	100.0	53.0	278
AMSOL		2.5 % v/v	LPOST	D 411	50.0	99.0	85.0	95.0	90.0	40.0	210
				Mean =	60.0	99.0	36.3	60.0	88.8	44.5	233
6 MAVERICK	2.04 SC	18.0 oz/a	PRE	A 106	50.0	99.0	20.0	85.0	50.0	48.0	252
MAVERICK	2.04 SC	14.0 oz/a	LPOST	D 205	60.0	99.0	50.0	95.0	45.0	49.0	257
ROUNDUP P-MAX3	5.88 SL	22.0 oz/a	LPOST	D 314	95.0	90.0	50.0	50.0	75.0	36.0	189
INDUCE		0.25 % v/v	LPOST	D 404	65.0	99.0	0.0	90.0	65.0	42.0	220
AMSOL		2.5 % v/v	LPOST	D							
				Mean =	67.5	96.8	30.0	80.0	58.8	43.8	229
7 MAVERICK	2.04 SC	24.0 oz/a	PRE	A 107	0.0	99.0	0.0	95.0	100.0	49.0	257
AATREX	4 L	24.0 oz/a	PRE	A 210	0.0	99.0	0.0	95.0	100.0	44.0	231
ROUNDUP P-MAX3	5.88 SL	22.0 oz/a	LPOST	D 305	40.0	99.0	20.0	95.0	80.0	47.0	246
INDUCE		0.25 % v/v	LPOST	D 409	50.0	99.0	0.0	95.0	100.0	42.0	220
AMSOL		2.5 % v/v	LPOST	D							
				Mean =	22.5	99.0	5.0	95.0	95.0	45.5	238
8 RESICORE XL	3.29 ZC	64.0 oz/a	PRE	A 108	0.0	99.0	0.0	85.0	90.0	46.0	241
AATREX	4 L	32.0 oz/a	PRE	A 201	90.0	99.0	75.0	0.0	100.0	49.0	257
				304	65.0	99.0	60.0	0.0	95.0	48.0	252
				407	0.0	99.0	80.0	50.0	95.0	43.0	225
				Mean =	38.8	99.0	53.8	33.8	95.0	46.5	244
9 RESICORE XL	3.29 ZC	40.0 oz/a	EPOST	B 109	0.0	99.0	0.0	95.0	100.0	48.0	252
AATREX	4 L	32.0 oz/a	EPOST	B 213	50.0	99.0	0.0	85.0	100.0	42.0	220
ROUNDUP P-MAX3	5.88 SL	26.7 oz/a	EPOST	B 310	0.0	99.0	0.0	65.0	95.0	48.0	252
PRIME OIL		1.0 % v/v	EPOST	B 402	85.0	99.0	50.0	30.0	65.0	49.0	257
AMSOL		2.5 % v/v	EPOST	B							
				Mean =	33.8	99.0	12.5	68.8	90.0	46.8	245
10 AATREX	4 L	32.0 oz/a	PRE	A 110	50.0	99.0	0.0	95.0	85.0	47.0	246
RESICORE XL	3.29 ZC	40.0 oz/a	POST	C 211	50.0	99.0	0.0	95.0	100.0	48.0	252
AATREX	4 L	32.0 oz/a	POST	C 307	75.0	99.0	30.0	65.0	65.0	49.0	257
ROUNDUP P-MAX3	5.88 SL	26.7 oz/a	POST	C 401	90.0	95.0	75.0	50.0	65.0	53.0	278
PRIME OIL		1.0 % v/v	POST	C							
AMSOL		2.5 % v/v	POST	C							
				Mean =	66.3	98.0	26.3	76.3	78.8	49.3	258

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WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL			
Trial ID:	CN-11-23	Study Dir.:	H. SANDERS/J. RICHBURG
Location:	PONDER FARM	Investigator:	Eric P. Prostko

							DEDTO	Amapa	Dedto	Agrass	TOTAL	-----	-----		
							-----	-----	-----	-----	WEED	ZEAMA	ZEAMA		
							Cobtrol	Control	Control	Control	Cover	YIELD	YIELD		
							%	%	%	%	%	LBS/PLOT	BU/A		
							May-26-23	Aug-15-23	Aug-15-23	Aug-15-23	Aug-15-23	Sep-7-23	Sep-7-23		
Trt	Treatment	Form	Form	Rate	Grow	Appl									
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	19	20	21	22	23	24	25
11	AATREX	4 L		32.0 oz/a	PRE	A	111		50.0	99.0	60.0	85.0	60.0	46.0	241
	KYRO	3.487 ZC		45.0 oz/a	POST	C	208		60.0	99.0	65.0	95.0	40.0	48.0	252
	AATREX	4 L		32.0 oz/a	POST	C	306		65.0	99.0	50.0	85.0	55.0	42.0	220
	ROUNDUP P-MAX3	5.88 SL		26.7 oz/a	POST	C	414		95.0	85.0	85.0	0.0	100.0	36.0	189
	PRIME OIL			1.0 % v/v	POST	C									
	AMSOL			2.5 % v/v	POST	C									
							Mean =		67.5	95.5	65.0	66.3	63.8	43.0	225
12	DUAL II MAGNUM	7.64 EC		16.0 oz/a	PRE	A	112		80.0	99.0	60.0	90.0	50.0	45.0	236
	KYRO	3.487 ZC		45.0 oz/a	POST	C	203		95.0	99.0	65.0	90.0	40.0	47.0	246
	AATREX	4 L		32.0 oz/a	POST	C	302		90.0	99.0	85.0	85.0	45.0	49.0	257
	ROUNDUP P-MAX3	5.88 SL		26.7 oz/a	POST	C	405		95.0	99.0	50.0	95.0	50.0	45.0	236
	PRIME OIL			1.0 % v/v	POST	C									
	AMSOL			2.5 % v/v	POST	C									
							Mean =		90.0	99.0	65.0	90.0	46.3	46.5	244
13	AATREX	4 L		32.0 oz/a	PRE	A	113		60.0	99.0	0.0	95.0	100.0	46.0	241
	HALEX GT	4.38 SC		45.0 oz/a	POST	C	206		50.0	95.0	50.0	95.0	60.0	45.0	236
	AATREX	4 L		32.0 oz/a	POST	C	313		75.0	99.0	0.0	90.0	95.0	46.0	241
	INDUCE			0.25 % v/v	POST	C	412		95.0	99.0	50.0	75.0	65.0	38.0	199
	AMSOL			2.5 % v/v	POST	C									
							Mean =		70.0	98.0	25.0	88.8	80.0	43.8	229
14	ROUNDUP P-MAX3	5.88 SL		22.0 oz/a	EPOST	B	114		65.0	85.0	0.0	60.0	95.0	34.0	178
	AATREX	4 L		64.0 oz/a	EPOST	B	202		75.0	99.0	20.0	75.0	75.0	49.0	257
	PROWL H20	3.8 SC		32.0 oz/a	EPOST	B	308		30.0	99.0	20.0	90.0	65.0	47.0	246
							413		85.0	90.0	50.0	75.0	65.0	45.0	236
							Mean =		63.8	93.3	22.5	75.0	75.0	43.8	229

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WEED CONTROL IN FIELD CORN WITH KYRO, MAVERICK, AND RESICORE XL

Trial ID:	CN-11-23	Study Dir.:	H. SANDERS/J. RICHBURG
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Rating Unit
% = PERCENT
ARM Action Codes
TY1 = 5.24094675*[24]