

University of Georgia

WEED CONTROL IN CORN WITH KATAGON, HELMET MAXX,
AND V-10494

Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
Appl. Amount: 15 GAL/AC Mix Size: 1.5 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Name	Form Form		Rate	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep			
		Conc	Type						Rate Unit	1	2	3
1	NTC							-	101	206	307	408
2	HELMET	7.8	EC	21.0 oz/a	PRE	A	16.4 mL/mx	1483.6 mL	102	203	302	411
	KATAGON	2	SC	3.2 oz/a	EPOST	B	2.5 mL/mx	1482.5 mL				
	AGRIDEX			1.0 % v/v	EPOST	B	15.0 mL/mx					
3	KATAGON	2	SC	3.2 oz/a	EPOST	B	2.5 mL/mx	1482.5 mL	103	210	301	409
	AGRIDEX			1.0 % v/v	EPOST	B	15.0 mL/mx					
4	KATAGON	2	SC	3.2 oz/a	EPOST	B	2.5 mL/mx	1470 mL	104	211	310	406
	ATRAZINE	4	L	16.0 oz/a	EPOST	B	12.5 mL/mx					
	AGRIDEX			1.0 % v/v	EPOST	B	15.0 mL/mx					
5	HELMET MAXX	3.58	SC	96.0 oz/a	PRE	A	74.99 mL/mx	1425.0 mL	105	204	312	410
6	HELMET MAXX	3.58	SC	96.0 oz/a	EPOST	B	74.99 mL/mx	1410.0 mL	106	208	304	405
	AGRIDEX			1.0 % v/v	EPOST	B	15.0 mL/mx					
7	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	12.5 mL/mx	1487.5 mL	107	209	305	404
	ROUNDUP POWERMAX 3	5.88	SL	21.0 oz/a	EPOST	B	16.4 mL/mx	1408.6 mL				
	ATRAZINE	4	L	64.0 oz/a	EPOST	B	49.99 mL/mx					
	PROWL H2O	3.8	SC	32.0 oz/a	EPOST	B	25.0 mL/mx					
8	ROUNDUP POWERMAX 3	5.88	SL	21.0 oz/a	EPOST	B	16.4 mL/mx	1442.4 mL	108	205	308	402
	INDUCE			0.25 % v/v	EPOST	B	3.75 mL/mx					
	AMSOL 34%			2.5 % v/v	EPOST	B	37.5 mL/mx					
9	V-10494	2.04	SC	14.5 oz/a	PRE	A	11.33 mL/mx	1488.7 mL	109	201	306	407
	ROUNDUP POWERMAX 3	5.88	SL	21.0 oz/a	EPOST	B	16.4 mL/mx	1442.4 mL				
	INDUCE			0.25 % v/v	EPOST	B	3.75 mL/mx					
	AMSOL 34%			2.5 % v/v	EPOST	B	37.5 mL/mx					
10	V-10494	2.04	SC	18.0 oz/a	PRE	A	14.06 mL/mx	1485.9 mL	110	202	309	412
	ROUNDUP POWERMAX 3	5.88	SL	21.0 oz/a	EPOST	B	16.4 mL/mx	1442.4 mL				
	INDUCE			0.25 % v/v	EPOST	B	3.75 mL/mx					
	AMSOL 34%			2.5 % v/v	EPOST	B	37.5 mL/mx					
11	V-10494	2.04	SC	24.0 oz/a	PRE	A	18.75 mL/mx	1481.3 mL	111	212	311	403
	ROUNDUP POWERMAX 3	5.88	SL	21.0 oz/a	EPOST	B	16.4 mL/mx	1442.4 mL				
	INDUCE			0.25 % v/v	EPOST	B	3.75 mL/mx					
	AMSOL 34%			2.5 % v/v	EPOST	B	37.5 mL/mx					
12	V-10494	2.04	SC	32.0 oz/a	PRE	A	25.0 mL/mx	1475 mL	112	207	303	401
	ROUNDUP POWERMAX 3	5.88	SL	21.0 oz/a	EPOST	B	16.4 mL/mx	1442.4 mL				
	INDUCE			0.25 % v/v	EPOST	B	3.75 mL/mx					
	AMSOL 34%			2.5 % v/v	EPOST	B	37.5 mL/mx					

Sort Order: Treatment

Trial Comments

HELMET = METOLACHLOR

KATAGON = TOLPYRALTE (1 LB AI/GAL) + NICOSULFURON (1 LB AI/A) - ACTUALLY FORMULATED AS OD (OIL DISPERSION) NOT AN SC

HELMET MAXX = METOLACHLOR (1.7 LB AI/GAL) + ATRAZINE (1.66 LB AI/GAL) + MESOTRIONE (0.218 LBS AI/GAL)

VERY LIGHT DRIZZLE OCCURRED 2 HAT (EPOST) TREATMENTS BUT HAD NO EFFECT ON EFFICACY (<0.1").

HARVEST MOISTURE: 15.67%
YIELDS ADJUSTED TO 15.5%

ANNUAL GRASSES: A NON-UNIFORM MIXTURE OF ANNUAL GRASSES INCLUDING TEXAS PANICUM, CRABGRASS, GOOSEGRASS, CROWFOOTGRASS, AND SANDBUR.

SUMMARY:

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WEED CONTROL IN CORN WITH KATAGON, HELMET MAXX,
AND V-10494

Trial ID: CN-05-21

Study Dir.: SCOT AKIN/HUNT SANDERS

Location: PONDER FARM Investigator: Eric P. Prostko

FROM RATINGS OBTAINED ON MAY 11 (43 DAP), THE FOLLOWING OBSERVATIONS WERE MADE:

- 1) PRE APPLICATIONS OF HELMET MAXX CAUSED SLIGHT FIELD CORN INJURY (9% STUNTING) AND PROVIDED GOOD CONTROL OF WILD RADISH (86%) AND EXCELLENT CONTROL OF PALMER AMARANTH AND ANNUAL GRASSES (>90%).
- 2) PRE APPLICATIONS OF V-10494 AT RATES GREATER THAN 14.5 OZ/A CAUSED SLIGHT FIELD CORN INJURY (9-10% STUNTING). ALL RATES PROVIDED AT LEAST 83% CONTROL OF WILD RADISH AND EXCELLENT CONTROL OF PALMER AMARANTH AND ANNUAL GRASSES (>94%).
- 3) EPOST APPLICATIONS OF KATAGON + ATRAZINE CAUSED SLIGHT CORN STUNTING (6-7%) AND PROVIDED EXCELLENT CONTROL OF WILD RADISH AND PALMER AMARANTH (>95%) AND GOOD CONTROL OF ANNUAL GRASSES (83%). ANNUAL GRASS CONTROL WITH KATAGON + ATRAZINE WAS BETTER THAN KATAGON ALONE (83% VS. 69%).
- 4) ALL HERBICIDE TREATED PLOTS HAD HIGHER GRAIN YIELDS THAN THE NTC EXCEPT V-10494 @ 18 OZ/A (PRE) + ROUNDUP + INDUCE + AMSOL (EPOST).
- 5) PLOTS TREATED WITH HELMET MAXX @ 96 OZ/A + AGRIDEX (EPOST) HAD LOWER CORN YIELDS THAN PLOTS TREATED WITH V-10494 @ 14.5 OZ/A (PRE) + ROUNDUP + INDUCE + AMSOL (EPOST) AND KATAGON @ 3.2 OZ/A + AGRIDEX (EPOST).

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Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: SCOT AKIN/HUNT SANDERS **Title:** _____
Affiliation: _____ **Postal Code:** _____

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

Trial Status: E **Initiation Date:** _____ **Country:** _____
City: _____ **State/Prov.:** _____ **Postal Code:** _____
Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

Objective: _____

Conclusions: _____

CROP AND PEST DESCRIPTION

Weed 1: AMAPA PALMER AMARANTH **2:** RAPRA WILD RADISH
Weed 3: AGRASS TX PAN/CROW/GOOSE/CRAB **4:** _____

Crop 1: ZEAMA FIELD CORN **Variety:** DKC-6208 **Planting Date:** Mar-29-21
Planting Method: MONOSEM **Rate:** 36300 SEED/A **Depth:** 2 IN
Perennial Age: _____ **Row Spacing:** 36 IN **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4

Site Type: _____

Tillage Type: CONVENTIONAL **Study Design:** RACOBL

Trial Initiation Comments: 800 LBS/A 5-15-30 PREPLANT; 127-0-0-16 (S) ON APRIL 19 AND 29; AXILO BMZ MICRONUTRIENTS @ 2 LBS/A ON APRIL 20;

Previous: Crops **Pesticides** **Year**
1. PEANUT _____ 2020

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.61 **% Sand:** 94 **% Silt:** 4 **% Clay:** 2
pH: 6.0 **CEC:** 2.6 **Soil Name:** DOTHAN **Fertility Level:** GOOD

MOISTURE CONDITIONS

On:	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Mar-28-21	_____	0.1	IN	RAINFALL	_____	_____
2.	Mar-31-21	_____	0.6	IN	SPRINKLER - LATERAL MOVE	_____	_____
3.	Mar-31-21	_____	0.8	IN	RAINFALL	_____	_____
4.	Apr-7-21	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
5.	Apr-9-21	_____	0.27	IN	RAINFALL	_____	_____
6.	Apr-11-21	_____	0.08	IN	RAINFALL	_____	_____
7.	Apr-17-21	_____	0.10	IN	RAINFALL	_____	_____
8.	Apr-18-21	_____	0.01	IN	RAINFALL	_____	_____
9.	Apr-20-21	_____	0.35	IN	SPRINKLER - LATERAL MOVE	_____	_____
10.	Apr-24-21	_____	6.0	IN	RAINFALL	_____	_____
11.	May-3-21	_____	0.1	IN	RAINFALL	_____	_____
12.	May-4-21	_____	1.15	IN	RAINFALL	_____	_____
13.	May-11-21	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
14.	May-11-21	_____	0.15	IN	RAINFALL	_____	_____
15.	May-12-21	_____	0.6	IN	RAINFALL	_____	_____

Overall Moisture Conditions: _____

Closest Weather Station: _____ **Distance:** _____ **Unit:** _____

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Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

		APPLICATION DESCRIPTION					
		A	B	C	D	E	F
Application Date:	Mar-29-21	Apr-16-21		_____	_____	_____	_____
Time of Day:	2:42 PM	7:55 AM		_____	_____	_____	_____
Application Method:	BROADCAST	BROADCAST		_____	_____	_____	_____
Application Timing:	PRE	EPOST		_____	_____	_____	_____
Applic. Placement:	SOIL	FOLIAGE		_____	_____	_____	_____
Air Temp., Unit:	68 F	56 F		_____	_____	_____	_____
% Relative Humidity:	36	77		_____	_____	_____	_____
Wind Velocity, Unit:	4 MPH	2 MPH		_____	_____	_____	_____
Dew Presence (Y/N):	N	Y		_____	_____	_____	_____
Water Hardness:	--	--		_____	_____	_____	_____
Soil Temp., Unit:	78 F	60 F		_____	_____	_____	_____
Soil Moisture:	OPTIMUM	OPTIMUM		_____	_____	_____	_____
% Cloud Cover:	0	100		_____	_____	_____	_____

		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1 Stage:	ZEAMA	_____	_____	_____	_____	_____	_____
Stage Scale:		V3-V4		_____	_____	_____	_____
Height, Unit:		5 IN		_____	_____	_____	_____

		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1 Stage:	AMAPA	1"		_____	_____	_____	_____
Stage Scale:		_____	_____	_____	_____	_____	_____
Density, Unit:		_____	_____	_____	_____	_____	_____
Weed 2 Stage:	RAPRA	2-3"		_____	_____	_____	_____
Stage Scale:		_____	_____	_____	_____	_____	_____
Density, Unit:		_____	_____	_____	_____	_____	_____
Weed 3 Stage:	AGRASS	1"		_____	_____	_____	_____
Stage Scale:		_____	_____	_____	_____	_____	_____
Density, Unit:		_____	_____	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK		_____	_____	_____	_____
Operating Pressure:	35	36		_____	_____	_____	_____
Nozzle Type:	AIXR	AIXR		_____	_____	_____	_____
Nozzle Size:	11002	11002		_____	_____	_____	_____
Nozzle Spacing, Unit:	20	IN	20	IN	_____	_____	_____
Nozzles/Row:	_____	_____	_____	_____	_____	_____	_____
Band Width, Unit:	_____	_____	_____	_____	_____	_____	_____
Boom Length, Unit:	60	IN	60	IN	_____	_____	_____
Boom Height, Unit:	20	IN	20	IN	_____	_____	_____
Ground Speed, Unit:	3.5	MPH	3.5	MPH	_____	_____	_____
Incorporation Equip.:	_____	_____	_____	_____	_____	_____	_____
Hours to Incorp.:	_____	_____	_____	_____	_____	_____	_____
Incorp. Depth, Unit:	_____	_____	_____	_____	_____	_____	_____
Carrier:	WATER	WATER		_____	_____	_____	_____
Spray Volume, Unit:	15	GPA	15	GPA	_____	_____	_____
Spray pH:	_____	_____	_____	_____	_____	_____	_____
Propellant:	CO2	CO2		_____	_____	_____	_____
Tank Mix (Y/N):	_____	_____	_____	_____	_____	_____	_____

Trt No	Treatment Application Comment

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AND V-10494

Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						----- Zeama Plant - Stunting Percent Apr-13-21	Rapra ----- Control Percent Apr-13-21	Amapa ----- Control Percent Apr-13-21	Agrass ----- Control Percent Apr-13-21	----- Zeama Plant - Stunting Percent Apr-23-21
PRM Data Type # Subsamples, Dec.						1	2	3	4	5
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Stg	Appl Code					
1 NTC						0.0 a	0.0 d	0.0 c	0.0 c	0.0 b
2 HELMET KATAGON AGRIDEX	7.8	EC	21.0 oz/a	PRE	A	0.0 a	0.0 d	99.0 a	99.0 a	2.5 b
	2	SC	3.2 oz/a	EPOST	B					
			1.0 % v/v	EPOST	B					
3 KATAGON AGRIDEX	2	SC	3.2 oz/a	EPOST	B	0.0 a	0.0 d	0.0 c	0.0 c	2.5 b
			1.0 % v/v	EPOST	B					
4 KATAGON ATRAZINE AGRIDEX	2	SC	3.2 oz/a	EPOST	B	0.0 a	0.0 d	0.0 c	0.0 c	0.0 b
	4	L	16.0 oz/a	EPOST	B					
			1.0 % v/v	EPOST	B					
5 HELMET MAXX	3.58	SC	96.0 oz/a	PRE	A	0.0 a	75.0 b	99.0 a	98.0 ab	0.0 b
6 HELMET MAXX AGRIDEX	3.58	SC	96.0 oz/a	EPOST	B	0.0 a	0.0 d	0.0 c	0.0 c	15.0 a
			1.0 % v/v	EPOST	B					
7 DUAL MAGNUM ROUNDUP POWERMAX 3 ATRAZINE PROWL H20	7.62	EC	16.0 oz/a	PRE	A	0.0 a	0.0 d	99.0 a	99.0 a	0.0 b
	5.88	SL	21.0 oz/a	EPOST	B					
		4	64.0 oz/a	EPOST	B					
	3.8	SC	32.0 oz/a	EPOST	B					
8 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	5.88	SL	21.0 oz/a	EPOST	B	0.0 a	0.0 d	0.0 c	0.0 c	0.0 b
			0.25 % v/v	EPOST	B					
			2.5 % v/v	EPOST	B					
9 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04	SC	14.5 oz/a	PRE	A	0.0 a	67.5 c	97.0 b	95.5 b	2.5 b
	5.88	SL	21.0 oz/a	EPOST	B					
			0.25 % v/v	EPOST	B					
			2.5 % v/v	EPOST	B					
10 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04	SC	18.0 oz/a	PRE	A	0.0 a	81.3 a	99.0 a	99.0 a	2.5 b
	5.88	SL	21.0 oz/a	EPOST	B					
			0.25 % v/v	EPOST	B					
			2.5 % v/v	EPOST	B					
11 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04	SC	24.0 oz/a	PRE	A	0.0 a	82.5 a	99.0 a	99.0 a	0.0 b
	5.88	SL	21.0 oz/a	EPOST	B					
			0.25 % v/v	EPOST	B					
			2.5 % v/v	EPOST	B					
12 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04	SC	32.0 oz/a	PRE	A	0.0 a	86.3 a	98.0 ab	99.0 a	3.8 b
	5.88	SL	21.0 oz/a	EPOST	B					
			0.25 % v/v	EPOST	B					
			2.5 % v/v	EPOST	B					
LSD P=.10						.	5.52	1.03	2.53	4.15
Standard Deviation						0.00	4.61	0.86	2.12	3.47
CV						0.0	14.1	1.49	3.69	144.65
Grand Mean						0.00	32.71	57.50	57.38	2.40
Bartlett's X2^						.	50.451	41.867	63.415	22.578
P(Bartlett's X2)						.	0.00*	0.00*	0.00*	0.02*

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Average=7
 Could not calculate LSD (% mean diff) for columns 1,9,12,13,18 because error mean square = 0.
 ^Calculated from residual.

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Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code					----- Zeama Leaf - Chlorosi Percent Apr-23-21	Amapa ----- Control Percent Apr-23-21	Rapra ----- Control Percent Apr-23-21	Agrass ----- Control Percent Apr-23-21	----- Zeama Plant - Stunting Percent Apr-30-21	
Crop Code	Form	Form	Rate	Grow	Appl	6	7	8	9	10
Part Rated	Conc	Type	Unit	Stg	Code					
Rating Data Type										
Rating Unit										
Rating Date										
PRM Data Type										
# Subsamples, Dec.										
1 NTC						0.0 b	0.0 c	0.0 d	0.0 b	0.0 e
2 HELMET	7.8	EC	21.0 oz/a	PRE	A	2.5 b	99.0 a	60.0 c	99.0 a	5.0 cd
KATAGON	2	SC	3.2 oz/a	EPOST	B					
AGRIDEX			1.0 % v/v	EPOST	B					
3 KATAGON	2	SC	3.2 oz/a	EPOST	B	0.0 b	99.0 a	62.5 b	99.0 a	1.3 de
AGRIDEX			1.0 % v/v	EPOST	B					
4 KATAGON	2	SC	3.2 oz/a	EPOST	B	2.5 b	99.0 a	99.0 a	99.0 a	6.3 bc
ATRAZINE	4	L	16.0 oz/a	EPOST	B					
AGRIDEX			1.0 % v/v	EPOST	B					
5 HELMET MAXX	3.58	SC	96.0 oz/a	PRE	A	0.0 b	99.0 a	99.0 a	99.0 a	8.8 bc
6 HELMET MAXX	3.58	SC	96.0 oz/a	EPOST	B	35.0 a	99.0 a	98.0 a	99.0 a	18.8 a
AGRIDEX			1.0 % v/v	EPOST	B					
7 DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	0.0 b	99.0 a	99.0 a	99.0 a	6.3 bc
ROUNDUP POWERMAX 3	5.88	SL	21.0 oz/a	EPOST	B					
ATRAZINE	4	L	64.0 oz/a	EPOST	B					
PROWL H20	3.8	SC	32.0 oz/a	EPOST	B					
8 ROUNDUP POWERMAX 3	5.88	SL	21.0 oz/a	EPOST	B	0.0 b	33.3 b	63.8 b	99.0 a	0.0 e
INDUCE			0.25 % v/v	EPOST	B					
AMSOL 34%			2.5 % v/v	EPOST	B					
9 V-10494	2.04	SC	14.5 oz/a	PRE	A	0.0 b	99.0 a	99.0 a	99.0 a	1.3 de
ROUNDUP POWERMAX 3	5.88	SL	21.0 oz/a	EPOST	B					
INDUCE			0.25 % v/v	EPOST	B					
AMSOL 34%			2.5 % v/v	EPOST	B					
10 V-10494	2.04	SC	18.0 oz/a	PRE	A	0.0 b	99.0 a	99.0 a	99.0 a	8.8 bc
ROUNDUP POWERMAX 3	5.88	SL	21.0 oz/a	EPOST	B					
INDUCE			0.25 % v/v	EPOST	B					
AMSOL 34%			2.5 % v/v	EPOST	B					
11 V-10494	2.04	SC	24.0 oz/a	PRE	A	0.0 b	99.0 a	99.0 a	99.0 a	10.0 b
ROUNDUP POWERMAX 3	5.88	SL	21.0 oz/a	EPOST	B					
INDUCE			0.25 % v/v	EPOST	B					
AMSOL 34%			2.5 % v/v	EPOST	B					
12 V-10494	2.04	SC	32.0 oz/a	PRE	A	0.0 b	99.0 a	99.0 a	99.0 a	10.0 b
ROUNDUP POWERMAX 3	5.88	SL	21.0 oz/a	EPOST	B					
INDUCE			0.25 % v/v	EPOST	B					
AMSOL 34%			2.5 % v/v	EPOST	B					
LSD P=.10						2.72	8.28	1.51	.	4.30
Standard Deviation						2.28	6.91	1.26	0.00	3.59
CV						68.26	8.1	1.55	0.0	56.51
Grand Mean						3.33	85.28	81.44	90.75	6.35
Bartlett's X2^						33.787	66.208	55.664	.	15.539
P(Bartlett's X2)						0.00*	0.00*	0.00*	.	0.159

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Average=7
 Could not calculate LSD (% mean diff) for columns 1,9,12,13,18 because error mean square = 0.
 ^Calculated from residual.

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AND V-10494

Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	-----	-----	Amapa	Rapra	Agrass					
Crop Code	Zeama	Zeama	-----	-----	-----					
Part Rated	Leaf -	Leaf -								
Rating Data Type	Chlorosi	Necrosis	Control	Control	Control					
Rating Unit	Percent	Percent	Percent	Percent	Percent					
Rating Date	Apr-30-21	Apr-30-21	Apr-30-21	Apr-30-21	Apr-30-21					
PRM Data Type										
# Subsamples, Dec.										
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	11	12	13	14	15
1 NTC						0.0 b	0.0 b	0.0 b	0.0 d	0.0 d
2 HELMET KATAGON AGRIDEX	7.8	EC	21.0 oz/a	PRE	A	0.0 b	0.0 b	99.0 a	95.8 ab	99.0 a
	2	SC	3.2 oz/a	EPOST	B					
			1.0 % v/v	EPOST	B					
3 KATAGON AGRIDEX	2	SC	3.2 oz/a	EPOST	B	0.0 b	0.0 b	99.0 a	93.5 b	86.0 c
			1.0 % v/v	EPOST	B					
4 KATAGON ATRAZINE AGRIDEX	2	SC	3.2 oz/a	EPOST	B	0.0 b	0.0 b	99.0 a	93.5 b	92.0 b
	4	L	16.0 oz/a	EPOST	B					
			1.0 % v/v	EPOST	B					
5 HELMET MAXX	3.58	SC	96.0 oz/a	PRE	A	0.0 b	0.0 b	99.0 a	93.5 b	95.5 ab
6 HELMET MAXX AGRIDEX	3.58	SC	96.0 oz/a	EPOST	B	11.3 a	5.0 a	99.0 a	99.0 a	99.0 a
			1.0 % v/v	EPOST	B					
7 DUAL MAGNUM ROUNDUP POWERMAX 3 ATRAZINE PROWL H20	7.62	EC	16.0 oz/a	PRE	A	0.0 b	0.0 b	99.0 a	99.0 a	99.0 a
	5.88	SL	21.0 oz/a	EPOST	B					
			64.0 oz/a	EPOST	B					
	3.8	SC	32.0 oz/a	EPOST	B					
8 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	5.88	SL	21.0 oz/a	EPOST	B	0.0 b	0.0 b	0.0 b	83.8 c	97.0 ab
			0.25 % v/v	EPOST	B					
			2.5 % v/v	EPOST	B					
9 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04	SC	14.5 oz/a	PRE	A	0.0 b	0.0 b	99.0 a	95.8 ab	98.0 a
	5.88	SL	21.0 oz/a	EPOST	B					
			0.25 % v/v	EPOST	B					
			2.5 % v/v	EPOST	B					
10 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04	SC	18.0 oz/a	PRE	A	0.0 b	0.0 b	99.0 a	94.5 ab	99.0 a
	5.88	SL	21.0 oz/a	EPOST	B					
			0.25 % v/v	EPOST	B					
			2.5 % v/v	EPOST	B					
11 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04	SC	24.0 oz/a	PRE	A	0.0 b	0.0 b	99.0 a	94.5 ab	99.0 a
	5.88	SL	21.0 oz/a	EPOST	B					
			0.25 % v/v	EPOST	B					
			2.5 % v/v	EPOST	B					
12 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04	SC	32.0 oz/a	PRE	A	0.0 b	0.0 b	99.0 a	94.5 ab	99.0 a
	5.88	SL	21.0 oz/a	EPOST	B					
			0.25 % v/v	EPOST	B					
			2.5 % v/v	EPOST	B					
LSD P=.10						0.86	.	.	5.17	5.31
Standard Deviation						0.72	0.00	0.00	4.32	4.43
CV						76.98	0.0	0.0	4.99	5.01
Grand Mean						0.94	0.42	82.50	86.44	88.54
Bartlett's X2^						64.208	.	.	19.237	69.95
P(Bartlett's X2)						0.00*	.	.	0.057	0.00*

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 ^Calculated from residual.

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WEED CONTROL IN CORN WITH KATAGON, HELMET MAXX,
AND V-10494
Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

						----- Zeama Plant - Stunt Percent May-11-21	----- Zeama Leaf - Chlorosi Percent May-11-21	----- Zeama Leaf - Necrosis Percent May-11-21	Amapa ----- Control Percent May-11-21	Rapra ----- Control Percent May-11-21
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date					
PRM Data Type	# Subsamples, Dec.					16	17	18	19	20
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code					
1 NTC						0.0 d	0.0 c	0.0 a	0.0 c	0.0 g
2 HELMET KATAGON AGRIDEX	7.8	EC	21.0 oz/a	PRE	A	5.0 c	0.0 c	0.0 a	95.8 b	93.5 abc
	2	SC	3.2 oz/a	EPOST	B					
			1.0 % v/v	EPOST	B					
3 KATAGON AGRIDEX	2	SC	3.2 oz/a	EPOST	B	0.0 d	0.0 c	0.0 a	96.0 b	91.0 bcd
			1.0 % v/v	EPOST	B					
4 KATAGON ATRAZINE AGRIDEX	2	SC	3.2 oz/a	EPOST	B	6.3 bc	0.0 c	0.0 a	99.0 a	98.0 ab
	4	L	16.0 oz/a	EPOST	B					
			1.0 % v/v	EPOST	B					
5 HELMET MAXX	3.58	SC	96.0 oz/a	PRE	A	8.8 bc	1.3 b	0.0 a	98.0 a	86.3 de
6 HELMET MAXX AGRIDEX	3.58	SC	96.0 oz/a	EPOST	B	17.5 a	6.3 a	0.0 a	99.0 a	99.0 a
			1.0 % v/v	EPOST	B					
7 DUAL MAGNUM ROUNDUP POWERMAX 3 ATRAZINE PROWL H20	7.62	EC	16.0 oz/a	PRE	A	5.0 c	0.0 c	0.0 a	99.0 a	98.0 ab
	5.88	SL	21.0 oz/a	EPOST	B					
		4	64.0 oz/a	EPOST	B					
	3.8	SC	32.0 oz/a	EPOST	B					
8 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	5.88	SL	21.0 oz/a	EPOST	B	0.0 d	0.0 c	0.0 a	0.0 c	63.8 f
			0.25 % v/v	EPOST	B					
			2.5 % v/v	EPOST	B					
9 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04	SC	14.5 oz/a	PRE	A	0.0 d	0.0 c	0.0 a	99.0 a	82.5 e
	5.88	SL	21.0 oz/a	EPOST	B					
			0.25 % v/v	EPOST	B					
			2.5 % v/v	EPOST	B					
10 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04	SC	18.0 oz/a	PRE	A	8.8 bc	0.0 c	0.0 a	99.0 a	88.8 cde
	5.88	SL	21.0 oz/a	EPOST	B					
			0.25 % v/v	EPOST	B					
			2.5 % v/v	EPOST	B					
11 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04	SC	24.0 oz/a	PRE	A	10.0 b	0.0 c	0.0 a	99.0 a	90.0 cd
	5.88	SL	21.0 oz/a	EPOST	B					
			0.25 % v/v	EPOST	B					
			2.5 % v/v	EPOST	B					
12 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04	SC	32.0 oz/a	PRE	A	10.0 b	0.0 c	0.0 a	99.0 a	85.0 de
	5.88	SL	21.0 oz/a	EPOST	B					
			0.25 % v/v	EPOST	B					
			2.5 % v/v	EPOST	B					
LSD P=.10						4.96	1.16	.	1.83	7.15
Standard Deviation						4.15	0.97	0.00	1.53	5.98
CV						69.82	155.7	0.0	1.87	7.35
Grand Mean						5.94	0.63	0.00	81.90	81.31
Bartlett's X2^						14.488	34.477	.	90.806	29.888
P(Bartlett's X2)						0.207	0.00*	.	0.00*	0.002*

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
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 Missing data estimates are included in columns: Average=7
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 ^Calculated from residual.

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WEED CONTROL IN CORN WITH KATAGON, HELMET MAXX,
AND V-10494

Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

	Agrass -----	----- ZEAMA	----- ZEAMA					
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.	Control Percent May-11-21	YIELD LBS/PLOT Sep-7-21	YIELD BU/A Sep-7-21 TY1 - 1					
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	21	22	23
1 NTC						0.0 d	45.3 d	234.2 d
2 HELMET KATAGON AGRIDEX	7.8	EC	21.0 oz/a	PRE	A	88.5 ab	49.3 abc	254.9 abc
	2	SC	3.2 oz/a 1.0 % v/v	EPOST	B			
3 KATAGON AGRIDEX	2	SC	3.2 oz/a 1.0 % v/v	EPOST	B	68.8 c	52.0 a	269.1 a
4 KATAGON ATRAZINE AGRIDEX	2	SC	3.2 oz/a 16.0 oz/a 1.0 % v/v	EPOST	B	83.3 b	49.5 abc	256.2 abc
5 HELMET MAXX	3.58	SC	96.0 oz/a	PRE	A	91.0 ab	51.0 abc	263.9 abc
6 HELMET MAXX AGRIDEX	3.58	SC	96.0 oz/a 1.0 % v/v	EPOST	B	99.0 a	48.5 bc	251.0 bc
7 DUAL MAGNUM ROUNDUP POWERMAX 3 ATRAZINE PROWL H20	7.62 5.88 4 3.8	EC SL L SC	16.0 oz/a 21.0 oz/a 64.0 oz/a 32.0 oz/a	PRE EPOST EPOST EPOST	A B B B	98.0 a	51.5 ab	266.5 ab
8 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	5.88	SL	21.0 oz/a 0.25 % v/v 2.5 % v/v	EPOST EPOST EPOST	B B B	65.0 c	50.0 abc	258.8 abc
9 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04 5.88	SC SL	14.5 oz/a 21.0 oz/a 0.25 % v/v 2.5 % v/v	PRE EPOST EPOST EPOST	A B B B	95.0 a	52.0 a	269.1 a
10 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04 5.88	SC SL	18.0 oz/a 21.0 oz/a 0.25 % v/v 2.5 % v/v	PRE EPOST EPOST EPOST	A B B B	95.0 a	48.0 cd	248.4 cd
11 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04 5.88	SC SL	24.0 oz/a 21.0 oz/a 0.25 % v/v 2.5 % v/v	PRE EPOST EPOST EPOST	A B B B	94.8 a	49.5 abc	256.2 abc
12 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04 5.88	SC SL	32.0 oz/a 21.0 oz/a 0.25 % v/v 2.5 % v/v	PRE EPOST EPOST EPOST	A B B B	95.0 a	50.8 abc	262.6 abc
LSD P=.10						10.99	3.23	16.73
Standard Deviation						9.18	2.70	13.98
CV						11.32	5.43	5.43
Grand Mean						81.10	49.77	257.58
Bartlett's X2^						71.144	14.203	14.203
P(Bartlett's X2)						0.00*	0.222	0.222

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Average=7
 Could not calculate LSD (% mean diff) for columns 1,9,12,13,18 because error mean square = 0.
 ^Calculated from residual.

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WEED CONTROL IN CORN WITH KATAGON, HELMET MAXX,
AND V-10494

Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For ----- Zeama Plant Stunting Percent Apr-13-21 (Data Column 1)					
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 Rapra ----- Control Percent Apr-13-21 (Data Column 2)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	73497.916667			
Replicate	3	35.416667	11.805556	0.555	0.6485
Treatment	11	72760.416667	6614.583333	310.905	0.0001
Error	33	702.083333	21.275253		

Randomized Complete Block (RCB) AOV For Amapa ----- Control Percent Apr-13-21 (Data Column 3)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	113400.000000			
Replicate	3	3.666667	1.222222	1.658	0.1951
Treatment	11	113372.000000	10306.545455	13977.371	0.0001
Error	33	24.333333	0.737374		

Randomized Complete Block (RCB) AOV For Agrass ----- Control Percent Apr-13-21 (Data Column 4)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	113065.250000			
Replicate	3	10.916667	3.638889	0.811	0.4970
Treatment	11	112906.250000	10264.204545	2287.353	0.0001
Error	33	148.083333	4.487374		

Randomized Complete Block (RCB) AOV For ----- Zeama Plant Stunting Percent Apr-23-21 (Data Column 5)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	1249.479167			
Replicate	3	72.395833	24.131944	2.009	0.1318
Treatment	11	780.729167	70.975379	5.909	0.0001
Error	33	396.354167	12.010732		

Randomized Complete Block (RCB) AOV For ----- Zeama Leaf Chlorosi Percent Apr-23-21 (Data Column 6)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	4616.666667			
Replicate	3	29.166667	9.722222	1.878	0.1525
Treatment	11	4416.666667	401.515152	77.561	0.0001
Error	33	170.833333	5.176768		

Randomized Complete Block (RCB) AOV For Amapa ----- Control Percent Apr-23-21 (Data Column 7)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	46	49080.740741			
Replicate	3	138.888889	46.296296	0.970	0.4191
Treatment	11	47414.074074	4310.370370	90.283	0.0001
Error	32	1527.777778	47.743056		

Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent Apr-23-21 (Data Column 8)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	40841.812500			
Replicate	3	3.395833	1.131944	0.713	0.5509
Treatment	11	40786.062500	3707.823864	2337.124	0.0001
Error	33	52.354167	1.586490		

Randomized Complete Block (RCB) AOV For Agrass ----- Control Percent Apr-23-21 (Data Column 9)					
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 ----- Zeama Plant Stunting Percent Apr-30-21 (Data Column 10)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	1886.979167			
Replicate	3	155.729167	51.909722	4.026	0.0152
Treatment	11	1305.729167	118.702652	9.206	0.0001
Error	33	425.520833	12.894571		

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WEED CONTROL IN CORN WITH KATAGON, HELMET MAXX,
AND V-10494

Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For ----- Zeama Leaf Chlorosi Percent Apr-30-21 (Data Column 11)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	482.812500			
Replicate	3	1.562500	0.520833	1.000	0.4051
Treatment	11	464.062500	42.187500	81.000	0.0001
Error	33	17.187500	0.520833		

Randomized Complete Block (RCB) AOV For ----- Zeama Leaf Necrosis Percent Apr-30-21 (Data Column 12)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	91.666667			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	11	91.666667	8.333333	0.000	1.0000
Error	33	0.000000	0.000000		

Randomized Complete Block (RCB) AOV For Amapa ----- Control Percent Apr-30-21 (Data Column 13)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	65340.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	11	65340.000000	5940.000000	0.000	1.0000
Error	33	0.000000	0.000000		

Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent Apr-30-21 (Data Column 14)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	33891.812500			
Replicate	3	27.229167	9.076389	0.487	0.6936
Treatment	11	33249.562500	3022.687500	162.188	0.0001
Error	33	615.020833	18.636995		

Randomized Complete Block (RCB) AOV For Agrass ----- Control Percent Apr-30-21 (Data Column 15)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35557.916667			
Replicate	3	14.250000	4.750000	0.242	0.8667
Treatment	11	34894.916667	3172.265152	161.364	0.0001
Error	33	648.750000	19.659091		

Randomized Complete Block (RCB) AOV For ----- Zeama Plant Stunt Percent May-11-21 (Data Column 16)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	1982.812500			
Replicate	3	114.062500	38.020833	2.212	0.1052
Treatment	11	1301.562500	118.323864	6.884	0.0001
Error	33	567.187500	17.187500		

Randomized Complete Block (RCB) AOV For ----- Zeama Leaf Chlorosi Percent May-11-21 (Data Column 17)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	181.250000			
Replicate	3	6.250000	2.083333	2.200	0.1066
Treatment	11	143.750000	13.068182	13.800	0.0001
Error	33	31.250000	0.946970		

Randomized Complete Block (RCB) AOV For ----- Zeama Leaf Necrosis Percent May-11-21 (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 Percent May-11-21 (Data Column 19)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	64526.479167			
Replicate	3	1.229167	0.409722	0.174	0.9129
Treatment	11	64447.729167	5858.884470	2494.081	0.0001
Error	33	77.520833	2.349116		

Randomized Complete Block (RCB) AOV For Rapra ----- Control Percent May-11-21 (Data Column 20)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	34024.312500			
Replicate	3	35.062500	11.687500	0.327	0.8058
Treatment	11	32810.062500	2982.732955	83.473	0.0001
Error	33	1179.187500	35.732955		

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WEED CONTROL IN CORN WITH KATAGON, HELMET MAXX,
AND V-10494

Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For Agrass ----- Control Percent May-11-21 (Data Column 21)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	36898.479167			
Replicate	3	43.729167	14.576389	0.173	0.9139
Treatment	11	34073.229167	3097.566288	36.750	0.0001
Error	33	2781.520833	84.288510		

Randomized Complete Block (RCB) AOV For ----- ZEAMA YIELD LBS/PLOT Sep-7-21 (Data Column 22)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	560.479167			
Replicate	3	155.562500	51.854167	7.110	0.0008
Treatment	11	164.229167	14.929924	2.047	0.0553
Error	33	240.687500	7.293561		

Randomized Complete Block (RCB) AOV For ----- ZEAMA YIELD BU/A Sep-7-21 TY1 1 (Data Column 23)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	15011.615339			
Replicate	3	4166.514208	1388.838069	7.110	0.0008
Treatment	11	4398.638208	399.876201	2.047	0.0553
Error	33	6446.462923	195.347361		

Weed Code
 Rapra = RADISH, WILD / RAPHANUS RAPHANISTRUM L.
 Amapa = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
Part Rated
 Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
 Leaf = LEAF / FOLIAGE
PRM Data Type
 TY1 = 5.17528149*[22]

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WEED CONTROL IN CORN WITH KATAGON, HELMET MAXX,
AND V-10494

Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

	----- Zeama Plant - Stunting Percent Apr-13-21	Rapra ----- Control Percent Apr-13-21	Amapa ----- Control Percent Apr-13-21	Agrass ----- Control Percent Apr-13-21	----- Zeama Plant - Stunting Percent Apr-23-21
Trt Treatment No. Name	1	2	3	4	5
1 NTC 101 206 307 408 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
2 HELMET KATAGON AGRIDEX 7.8 EC 21.0 oz/a PRE A 102 2 SC 3.2 oz/a EPOST B 203 1.0 % v/v EPOST B 302 411 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0 99.0	0.0 0.0 0.0 10.0 2.5
3 KATAGON AGRIDEX 2 SC 3.2 oz/a EPOST B 103 1.0 % v/v EPOST B 210 301 409 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 10.0 2.5
4 KATAGON ATRAZINE AGRIDEX 2 SC 3.2 oz/a EPOST B 104 4 L 16.0 oz/a EPOST B 211 1.0 % v/v EPOST B 310 406 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
5 HELMET MAXX 3.58 SC 96.0 oz/a PRE A 105 204 312 410 Mean =	0.0 0.0 0.0 0.0 0.0	65.0 65.0 85.0 85.0 75.0	99.0 99.0 99.0 99.0 99.0	99.0 99.0 99.0 95.0 98.0	0.0 0.0 0.0 0.0 0.0
6 HELMET MAXX AGRIDEX 3.58 SC 96.0 oz/a EPOST B 106 1.0 % v/v EPOST B 208 304 405 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	15.0 15.0 15.0 15.0 15.0
7 DUAL MAGNUM ROUNDUP POWERMAX 3 7.62 EC 16.0 oz/a PRE A 107 5.88 SL 21.0 oz/a EPOST B 209 ATRAZINE 4 L 64.0 oz/a EPOST B 305 PROWL H20 3.8 SC 32.0 oz/a EPOST B 404 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0 99.0	0.0 0.0 0.0 0.0 0.0
8 ROUNDUP POWERMAX 3 5.88 SL 21.0 oz/a EPOST B 108 INDUCE 0.25 % v/v EPOST B 205 AMSOL 34% 2.5 % v/v EPOST B 308 402 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
9 V-10494 ROUNDUP POWERMAX 3 2.04 SC 14.5 oz/a PRE A 109 5.88 SL 21.0 oz/a EPOST B 201 INDUCE 0.25 % v/v EPOST B 306 AMSOL 34% 2.5 % v/v EPOST B 407 Mean =	0.0 0.0 0.0 0.0 0.0	75.0 65.0 65.0 65.0 67.5	95.0 95.0 99.0 99.0 97.0	99.0 85.0 99.0 99.0 95.5	0.0 0.0 10.0 0.0 2.5
10 V-10494 ROUNDUP POWERMAX 3 2.04 SC 18.0 oz/a PRE A 110 5.88 SL 21.0 oz/a EPOST B 202 INDUCE 0.25 % v/v EPOST B 309 AMSOL 34% 2.5 % v/v EPOST B 412 Mean =	0.0 0.0 0.0 0.0 0.0	85.0 75.0 75.0 90.0 81.3	99.0 99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0 99.0	0.0 0.0 10.0 0.0 2.5

University of Georgia

WEED CONTROL IN CORN WITH KATAGON, HELMET MAXX,
AND V-10494

Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

						----- Zeama Leaf - Chlorosi Percent Apr-23-21	Amapa ----- Control Percent Apr-23-21	Rapra ----- Control Percent Apr-23-21	Agrass ----- Control Percent Apr-23-21	----- Zeama Plant - Stunting Percent Apr-30-21
Trt Treatment	Form Form	Rate Grow	Appl							
No. Name	Conc Type	Rate Unit	Stg	Code Plot	6	7	8	9	10	
1 NTC				101	0.0	0.0	0.0	0.0	0.0	
				206	0.0	0.0	0.0	0.0	0.0	
				307	0.0	0.0	0.0	0.0	0.0	
				408	0.0	0.0	0.0	0.0	0.0	
				Mean =	0.0	0.0	0.0	0.0	0.0	
2 HELMET	7.8 EC	21.0 oz/a	PRE	A 102	5.0	99.0	60.0	99.0	0.0	
KATAGON	2 SC	3.2 oz/a	EPOST	B 203	0.0	99.0	60.0	99.0	0.0	
AGRIDEX		1.0 % v/v	EPOST	B 302	0.0	99.0	60.0	99.0	5.0	
				411	5.0	99.0	60.0	99.0	15.0	
				Mean =	2.5	99.0	60.0	99.0	5.0	
3 KATAGON	2 SC	3.2 oz/a	EPOST	B 103	0.0	99.0	65.0	99.0	0.0	
AGRIDEX		1.0 % v/v	EPOST	B 210	0.0	99.0	60.0	99.0	0.0	
				301	0.0	99.0	60.0	99.0	0.0	
				409	0.0	99.0	65.0	99.0	5.0	
				Mean =	0.0	99.0	62.5	99.0	1.3	
4 KATAGON	2 SC	3.2 oz/a	EPOST	B 104	0.0	99.0	99.0	99.0	5.0	
ATRAZINE	4 L	16.0 oz/a	EPOST	B 211	0.0	99.0	99.0	99.0	5.0	
AGRIDEX		1.0 % v/v	EPOST	B 310	0.0	99.0	99.0	99.0	10.0	
				406	10.0	99.0	99.0	99.0	5.0	
				Mean =	2.5	99.0	99.0	99.0	6.3	
5 HELMET MAXX	3.58 SC	96.0 oz/a	PRE	A 105	0.0	99.0	99.0	99.0	5.0	
				204	0.0	99.0	99.0	99.0	15.0	
				312	0.0	99.0	99.0	99.0	5.0	
				410	0.0	99.0	99.0	99.0	10.0	
				Mean =	0.0	99.0	99.0	99.0	8.8	
6 HELMET MAXX	3.58 SC	96.0 oz/a	EPOST	B 106	30.0	99.0	99.0	99.0	15.0	
AGRIDEX		1.0 % v/v	EPOST	B 208	40.0	99.0	95.0	99.0	20.0	
				304	30.0	99.0	99.0	99.0	20.0	
				405	40.0	99.0	99.0	99.0	20.0	
				Mean =	35.0	99.0	98.0	99.0	18.8	
7 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A 107	0.0	99.0	99.0	99.0	0.0	
ROUNDUP POWERMAX 3	5.88 SL	21.0 oz/a	EPOST	B 209	0.0	99.0	99.0	99.0	5.0	
ATRAZINE	4 L	64.0 oz/a	EPOST	B 305	0.0	99.0	99.0	99.0	5.0	
PROWL H20	3.8 SC	32.0 oz/a	EPOST	B 404	0.0	99.0	99.0	99.0	15.0	
				Mean =	0.0	99.0	99.0	99.0	6.3	
8 ROUNDUP POWERMAX 3	5.88 SL	21.0 oz/a	EPOST	B 108	0.0	50.0	65.0	99.0	0.0	
INDUCE		0.25 % v/v	EPOST	B 205	0.0	.	65.0	99.0	0.0	
AMSOL 34%		2.5 % v/v	EPOST	B 308	0.0	0.0	65.0	99.0	0.0	
				402	0.0	50.0	60.0	99.0	0.0	
				Mean =	0.0	33.3	63.8	99.0	0.0	
9 V-10494	2.04 SC	14.5 oz/a	PRE	A 109	0.0	99.0	99.0	99.0	0.0	
ROUNDUP POWERMAX 3	5.88 SL	21.0 oz/a	EPOST	B 201	0.0	99.0	99.0	99.0	0.0	
INDUCE		0.25 % v/v	EPOST	B 306	0.0	99.0	99.0	99.0	0.0	
AMSOL 34%		2.5 % v/v	EPOST	B 407	0.0	99.0	99.0	99.0	5.0	
				Mean =	0.0	99.0	99.0	99.0	1.3	
10 V-10494	2.04 SC	18.0 oz/a	PRE	A 110	0.0	99.0	99.0	99.0	0.0	
ROUNDUP POWERMAX 3	5.88 SL	21.0 oz/a	EPOST	B 202	0.0	99.0	99.0	99.0	10.0	
INDUCE		0.25 % v/v	EPOST	B 309	0.0	99.0	99.0	99.0	10.0	
AMSOL 34%		2.5 % v/v	EPOST	B 412	0.0	99.0	99.0	99.0	15.0	
				Mean =	0.0	99.0	99.0	99.0	8.8	

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WEED CONTROL IN CORN WITH KATAGON, HELMET MAXX,
AND V-10494

Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

	----- Zeama Leaf - Chlorosi Percent Apr-23-21	Amapa ----- Control Percent Apr-23-21	Rapra ----- Control Percent Apr-23-21	Agrass ----- Control Percent Apr-23-21	----- Zeama Plant - Stunting Percent Apr-30-21																						
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.																											
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Trt No.</td> <td style="width: 15%;">Treatment Name</td> <td style="width: 10%;">Form Conc</td> <td style="width: 10%;">Form Type</td> <td style="width: 10%;">Rate Rate</td> <td style="width: 10%;">Unit Unit</td> <td style="width: 10%;">Grow Stg</td> <td style="width: 10%;">Appl Code</td> <td style="width: 10%;">Plot</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">6</td> <td style="text-align: center;">7</td> </tr> </table>	Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg	Appl Code	Plot												6	7	6	7	8	9	10
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg	Appl Code	Plot																			
									6	7																	
11 V-10494	2.04 SC	24.0 oz/a	PRE	A	111	0.0	99.0	99.0	99.0	10.0																	
ROUNDUP POWERMAX 3	5.88 SL	21.0 oz/a	EPOST	B	212	0.0	99.0	99.0	99.0	10.0																	
INDUCE		0.25 % v/v	EPOST	B	311	0.0	99.0	99.0	99.0	10.0																	
AMSOL 34%		2.5 % v/v	EPOST	B	403	0.0	99.0	99.0	99.0	10.0																	
					Mean =	0.0	99.0	99.0	99.0	10.0																	
12 V-10494	2.04 SC	32.0 oz/a	PRE	A	112	0.0	99.0	99.0	99.0	15.0																	
ROUNDUP POWERMAX 3	5.88 SL	21.0 oz/a	EPOST	B	207	0.0	99.0	99.0	99.0	5.0																	
INDUCE		0.25 % v/v	EPOST	B	303	0.0	99.0	99.0	99.0	10.0																	
AMSOL 34%		2.5 % v/v	EPOST	B	401	0.0	99.0	99.0	99.0	10.0																	
					Mean =	0.0	99.0	99.0	99.0	10.0																	

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WEED CONTROL IN CORN WITH KATAGON, HELMET MAXX,
AND V-10494

Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						----- Zeama Leaf - Chlorosi Percent Apr-30-21	----- Zeama Leaf - Necrosis Percent Apr-30-21	Amapa ----- Control Percent Apr-30-21	Rapra ----- Control Percent Apr-30-21	Agrass ----- Control Percent Apr-30-21
Trt Treatment	Form Form	Rate Grow	Appl							
No. Name	Conc Type	Rate Unit Stg	Code Plot			11	12	13	14	15
1 NTC				101		0.0	0.0	0.0	0.0	0.0
				206		0.0	0.0	0.0	0.0	0.0
				307		0.0	0.0	0.0	0.0	0.0
				408		0.0	0.0	0.0	0.0	0.0
				Mean =		0.0	0.0	0.0	0.0	0.0
2 HELMET KATAGON AGRIDEX	7.8 EC 2 SC	21.0 oz/a 3.2 oz/a 1.0 % v/v	PRE A EPOST B EPOST B	102 203 302 411		0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	90.0 95.0 99.0 99.0	99.0 99.0 99.0 99.0
				Mean =		0.0	0.0	99.0	95.8	99.0
3 KATAGON AGRIDEX	2 SC	3.2 oz/a 1.0 % v/v	EPOST B EPOST B	103 210 301 409		0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	95.0 90.0 99.0 90.0	85.0 75.0 85.0 99.0
				Mean =		0.0	0.0	99.0	93.5	86.0
4 KATAGON ATRAZINE AGRIDEX	2 SC 4 L	3.2 oz/a 16.0 oz/a 1.0 % v/v	EPOST B EPOST B EPOST B	104 211 310 406		0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	90.0 99.0 90.0 95.0	85.0 99.0 99.0 85.0
				Mean =		0.0	0.0	99.0	93.5	92.0
5 HELMET MAXX	3.58 SC	96.0 oz/a	PRE A	105 204 312 410		0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	95.0 99.0 90.0 90.0	99.0 99.0 99.0 85.0
				Mean =		0.0	0.0	99.0	93.5	95.5
6 HELMET MAXX AGRIDEX	3.58 SC	96.0 oz/a 1.0 % v/v	EPOST B EPOST B	106 208 304 405		15.0 10.0 10.0 10.0	5.0 5.0 5.0 5.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0
				Mean =		11.3	5.0	99.0	99.0	99.0
7 DUAL MAGNUM ROUNDUP POWERMAX 3 ATRAZINE PROWL H20	7.62 EC 5.88 SL 4 L 3.8 SC	16.0 oz/a 21.0 oz/a 64.0 oz/a 32.0 oz/a	PRE A EPOST B EPOST B EPOST B	107 209 305 404		0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0
				Mean =		0.0	0.0	99.0	99.0	99.0
8 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	5.88 SL	21.0 oz/a 0.25 % v/v 2.5 % v/v	EPOST B EPOST B EPOST B	108 205 308 402		0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	75.0 85.0 90.0 85.0	95.0 99.0 95.0 99.0
				Mean =		0.0	0.0	0.0	83.8	97.0
9 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04 SC 5.88 SL	14.5 oz/a 21.0 oz/a 0.25 % v/v 2.5 % v/v	PRE A EPOST B EPOST B EPOST B	109 201 306 407		0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	99.0 90.0 99.0 95.0	95.0 99.0 99.0 99.0
				Mean =		0.0	0.0	99.0	95.8	98.0
10 V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04 SC 5.88 SL	18.0 oz/a 21.0 oz/a 0.25 % v/v 2.5 % v/v	PRE A EPOST B EPOST B EPOST B	110 202 309 412		0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	99.0 99.0 90.0 90.0	99.0 99.0 99.0 99.0
				Mean =		0.0	0.0	99.0	94.5	99.0

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WEED CONTROL IN CORN WITH KATAGON, HELMET MAXX,
AND V-10494

Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code					-----	-----	-----	Amapa				
Crop Code					Zeama	Zeama	Zeama	-----				
Part Rated					Plant -	Leaf -	Leaf -					
Rating Data Type					Stunt	Chlorosi	Necrosis	Control				
Rating Unit					Percent	Percent	Percent	Percent				
Rating Date					May-11-21	May-11-21	May-11-21	May-11-21				
PRM Data Type												
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Appl Code	Plot	16	17	18	19
1	NTC							101	0.0	0.0	0.0	0.0
								206	0.0	0.0	0.0	0.0
								307	0.0	0.0	0.0	0.0
								408	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0
2	HELMET KATAGON AGRIDEX	7.8 EC	2 SC	21.0 oz/a	PRE	A		102	0.0	0.0	0.0	99.0
				3.2 oz/a	EPOST	B		203	0.0	0.0	0.0	90.0
				1.0 % v/v	EPOST	B		302	10.0	0.0	0.0	95.0
								411	10.0	0.0	0.0	99.0
								Mean =	5.0	0.0	0.0	95.8
3	KATAGON AGRIDEX	2 SC	2 SC	3.2 oz/a	EPOST	B		103	0.0	0.0	0.0	95.0
				1.0 % v/v	EPOST	B		210	0.0	0.0	0.0	99.0
								301	0.0	0.0	0.0	95.0
								409	0.0	0.0	0.0	95.0
								Mean =	0.0	0.0	0.0	96.0
4	KATAGON ATRAZINE AGRIDEX	2 SC	4 L	3.2 oz/a	EPOST	B		104	10.0	0.0	0.0	99.0
				16.0 oz/a	EPOST	B		211	0.0	0.0	0.0	99.0
				1.0 % v/v	EPOST	B		310	10.0	0.0	0.0	99.0
								406	5.0	0.0	0.0	99.0
								Mean =	6.3	0.0	0.0	99.0
5	HELMET MAXX	3.58 SC	3.58 SC	96.0 oz/a	PRE	A		105	15.0	0.0	0.0	95.0
								204	10.0	0.0	0.0	99.0
								312	0.0	0.0	0.0	99.0
								410	10.0	5.0	0.0	99.0
								Mean =	8.8	1.3	0.0	98.0
6	HELMET MAXX AGRIDEX	3.58 SC	3.58 SC	96.0 oz/a	EPOST	B		106	20.0	5.0	0.0	99.0
				1.0 % v/v	EPOST	B		208	15.0	5.0	0.0	99.0
								304	20.0	5.0	0.0	99.0
								405	15.0	10.0	0.0	99.0
								Mean =	17.5	6.3	0.0	99.0
7	DUAL MAGNUM ROUNDUP POWERMAX 3 ATRAZINE PROWL H20	7.62 EC	5.88 SL	16.0 oz/a	PRE	A		107	0.0	0.0	0.0	99.0
				21.0 oz/a	EPOST	B		209	0.0	0.0	0.0	99.0
				64.0 oz/a	EPOST	B		305	5.0	0.0	0.0	99.0
				32.0 oz/a	EPOST	B		404	15.0	0.0	0.0	99.0
								Mean =	5.0	0.0	0.0	99.0
8	ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	5.88 SL	5.88 SL	21.0 oz/a	EPOST	B		108	0.0	0.0	0.0	0.0
				0.25 % v/v	EPOST	B		205	0.0	0.0	0.0	0.0
				2.5 % v/v	EPOST	B		308	0.0	0.0	0.0	0.0
								402	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0
9	V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04 SC	5.88 SL	14.5 oz/a	PRE	A		109	0.0	0.0	0.0	99.0
				21.0 oz/a	EPOST	B		201	0.0	0.0	0.0	99.0
				0.25 % v/v	EPOST	B		306	0.0	0.0	0.0	99.0
				2.5 % v/v	EPOST	B		407	0.0	0.0	0.0	99.0
								Mean =	0.0	0.0	0.0	99.0
10	V-10494 ROUNDUP POWERMAX 3 INDUCE AMSOL 34%	2.04 SC	5.88 SL	18.0 oz/a	PRE	A		110	10.0	0.0	0.0	99.0
				21.0 oz/a	EPOST	B		202	0.0	0.0	0.0	99.0
				0.25 % v/v	EPOST	B		309	10.0	0.0	0.0	99.0
				2.5 % v/v	EPOST	B		412	15.0	0.0	0.0	99.0
								Mean =	8.8	0.0	0.0	99.0

University of Georgia

WEED CONTROL IN CORN WITH KATAGON, HELMET MAXX,
AND V-10494

Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

	----- Zeama Plant - Stunt Percent May-11-21	----- Zeama Leaf - Chlorosi Percent May-11-21	----- Zeama Leaf - Necrosis Percent May-11-21	Amapa ----- Control Percent May-11-21																																																																																																																																															
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.																																																																																																																																																			
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University of Georgia

WEED CONTROL IN CORN WITH KATAGON, HELMET MAXX,
AND V-10494

Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

						Rapra	Agrass	-----	-----
						-----	-----	ZEAMA	ZEAMA
						Control	Control	YIELD	YIELD
						Percent	Percent	LBS/PLOT	BU/A
						May-11-21	May-11-21	Sep-7-21	Sep-7-21
								TY1	
								- 1	
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	
1	NTC						101	20	253.6
							206	21	222.5
							307	22	227.7
							408	23	232.9
							Mean =		234.2
2	HELMET	7.8	EC	21.0	oz/a	PRE	A	102	263.9
	KATAGON	2	SC	3.2	oz/a	EPOST	B	203	253.6
	AGRIDEX			1.0	% v/v	EPOST	B	302	274.3
							411	411	227.7
							Mean =		254.9
3	KATAGON	2	SC	3.2	oz/a	EPOST	B	103	289.8
	AGRIDEX			1.0	% v/v	EPOST	B	210	243.2
							301	301	295.0
							409	409	248.4
							Mean =		269.1
4	KATAGON	2	SC	3.2	oz/a	EPOST	B	104	274.3
	ATRAZINE	4	L	16.0	oz/a	EPOST	B	211	243.2
	AGRIDEX			1.0	% v/v	EPOST	B	310	258.8
							406	406	248.4
							Mean =		256.2
5	HELMET MAXX	3.58	SC	96.0	oz/a	PRE	A	105	279.5
							204	204	263.9
							312	312	258.8
							410	410	253.6
							Mean =		263.9
6	HELMET MAXX	3.58	SC	96.0	oz/a	EPOST	B	106	248.4
	AGRIDEX			1.0	% v/v	EPOST	B	208	248.4
							304	304	263.9
							405	405	243.2
							Mean =		251.0
7	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	107	274.3
	ROUNDUP POWERMAX 3	5.88	SL	21.0	oz/a	EPOST	B	209	263.9
	ATRAZINE	4	L	64.0	oz/a	EPOST	B	305	269.1
	PROWL H20	3.8	SC	32.0	oz/a	EPOST	B	404	258.8
							Mean =		266.5
8	ROUNDUP POWERMAX 3	5.88	SL	21.0	oz/a	EPOST	B	108	269.1
	INDUCE			0.25	% v/v	EPOST	B	205	263.9
	AMSOL 34%			2.5	% v/v	EPOST	B	308	232.9
							402	402	269.1
							Mean =		258.8
9	V-10494	2.04	SC	14.5	oz/a	PRE	A	109	289.8
	ROUNDUP POWERMAX 3	5.88	SL	21.0	oz/a	EPOST	B	201	279.5
	INDUCE			0.25	% v/v	EPOST	B	306	258.8
	AMSOL 34%			2.5	% v/v	EPOST	B	407	248.4
							Mean =		269.1
10	V-10494	2.04	SC	18.0	oz/a	PRE	A	110	274.3
	ROUNDUP POWERMAX 3	5.88	SL	21.0	oz/a	EPOST	B	202	248.4
	INDUCE			0.25	% v/v	EPOST	B	309	227.7
	AMSOL 34%			2.5	% v/v	EPOST	B	412	243.2
							Mean =		248.4

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AND V-10494

Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

							Rapra -----	Agrass -----	----- ZEAMA	----- ZEAMA
							Control Percent May-11-21	Control Percent May-11-21	YIELD LBS/PLOT Sep-7-21	YIELD BU/A Sep-7-21 TY1 - 1
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg Code Plot	20	21	22	23
11	V-10494	2.04	SC	24.0	oz/a	PRE A 111	90.0	95.0	53.0	274.3
	ROUNDUP POWERMAX 3	5.88	SL	21.0	oz/a	EPOST B 212	85.0	95.0	51.0	263.9
	INDUCE			0.25	% v/v	EPOST B 311	95.0	99.0	45.0	232.9
	AMSOL 34%			2.5	% v/v	EPOST B 403	90.0	90.0	49.0	253.6
						Mean =	90.0	94.8	49.5	256.2
12	V-10494	2.04	SC	32.0	oz/a	PRE A 112	90.0	95.0	55.0	284.6
	ROUNDUP POWERMAX 3	5.88	SL	21.0	oz/a	EPOST B 207	85.0	95.0	46.0	238.1
	INDUCE			0.25	% v/v	EPOST B 303	85.0	95.0	53.0	274.3
	AMSOL 34%			2.5	% v/v	EPOST B 401	80.0	95.0	49.0	253.6
						Mean =	85.0	95.0	50.8	262.6

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AND V-10494

Trial ID: CN-05-21 Study Dir.: SCOT AKIN/HUNT SANDERS
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

Rapra = RADISH, WILD / RAPHANUS RAPHANISTRUM L.

Amapa = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.

Part Rated

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

Leaf = LEAF / FOLIAGE

PRM Data Type

TY1 = 5.17528149*[22]