

University of Georgia

WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS				
Trial ID:	CN-05-22	Study Dir.:	HENRY MCLEAN;	
Location:	PONDER FARM	Investigator:	Eric P. Prostko	

Reps: 3

Plots: 6 by 25 feet
Mix Size: 1.5 L

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep 1	2	3
1	NTC								-	101	213	314
2	A23980 AATREX	3.22 4 L	ZC	54.4 oz/a 20.0 oz/a	PRE PRE	A A	15 GPA 15 GPA	42.5 mL/mx 15.62 mL/mx	1441.9 mL	102	214	307
3	A23980 AATREX	3.22 4 L	ZC	67.2 oz/a 20.0 oz/a	PRE PRE	A A	15 GPA 15 GPA	52.5 mL/mx 15.62 mL/mx	1431.9 mL	103	206	304
4	ACURON	3.44	ZC	80.0 oz/a	PRE	A	15 GPA	62.5 mL/mx	1437.5 mL	104	209	302
5	RESICORE AATREX	3.29 4 L	SC	72.0 oz/a 20.0 oz/a	PRE PRE	A A	15 GPA 15 GPA	56.25 mL/mx 15.62 mL/mx	1428.1 mL	105	202	303
6	CORVUS A21798 AATREX	2.63 4.17 4 L	SC SC	4.54 oz/a 10.3 oz/a 20.0 oz/a	PRE PRE PRE	A A A	15 GPA 15 GPA 15 GPA	3.547 mL/mx 8.047 mL/mx 15.62 mL/mx	1472.8 mL	106	208	315
7	ZIDUA CALLISTO AATREX STINGER	4.17 4 4 L 3 L	SC SC	3.48 oz/a 4.33 oz/a 20.0 oz/a 3.65 oz/a	PRE PRE PRE PRE	A A A A	15 GPA 15 GPA 15 GPA 15 GPA	2.719 mL/mx 3.383 mL/mx 15.62 mL/mx 2.852 mL/mx	1475.4 mL	107	215	309
8	A23980 AATREX AMS A23980 AATREX ROUNDUP P-MAX3	3.22 4 L 3.22 4 L 5.88	ZC ZC SL	27.2 oz/a 9.98 oz/a 2.5 % v/v 27.2 oz/a 9.98 oz/a 25.0 oz/a	PRE PRE POST POST POST POST	A A C C C C	15 GPA 15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	21.25 mL/mx 7.797 mL/mx 37.5 mL/mx 21.25 mL/mx 7.797 mL/mx 19.53 mL/mx	1471.0 mL 1413.9 mL	108	205	301
9	A23980 AATREX AMS A23980 AATREX ROUNDUP P-MAX3	3.22 4 L 3.22 4 L 5.88	ZC ZC SL	33.6 oz/a 9.98 oz/a 2.5 % v/v 33.6 oz/a 9.98 oz/a 25.0 oz/a	PRE PRE POST POST POST POST	A A C C C C	15 GPA 15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	26.25 mL/mx 7.797 mL/mx 37.5 mL/mx 26.25 mL/mx 7.797 mL/mx 19.53 mL/mx	1466.0 mL 1408.9 mL	109	204	310
10	ACURON AMS ACURON ROUNDUP P-MAX3	3.44 3.44 5.88	ZC ZC SL	40.0 oz/a 2.5 % v/v 40.0 oz/a 25.0 oz/a	PRE POST POST POST	A C C C	15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC	31.25 mL/mx 37.5 mL/mx 31.25 mL/mx 19.53 mL/mx	1468.8 mL 1411.7 mL	110	216	306
11	RESICORE AATREX AMS RESICORE AATREX ROUNDUP P-MAX3	3.29 4 L 3.29 4 L 5.88	SC SC SL	36.0 oz/a 9.98 oz/a 2.5 % v/v 36.0 oz/a 9.98 oz/a 25.0 oz/a	PRE PRE POST POST POST POST	A A C C C C	15 GPA 15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	28.12 mL/mx 7.797 mL/mx 37.5 mL/mx 28.12 mL/mx 7.797 mL/mx 19.53 mL/mx	1464.1 mL 1407.1 mL	111	203	308
12	CORVUS A21798 AATREX AMS CORVUS A21798 AATREX ROUNDUP P-MAX3	2.63 4.17 4 L 2.63 4.17 4 L 5.88	SC SC SC SC SL	2.27 oz/a 5.13 oz/a 9.98 oz/a 2.5 % v/v 2.27 oz/a 5.13 oz/a 9.98 oz/a 25.0 oz/a	PRE PRE PRE POST POST POST POST POST	A A A C C C C C	15 GPA 15 GPA 15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	1.773 mL/mx 4.008 mL/mx 7.797 mL/mx 37.5 mL/mx 1.773 mL/mx 4.008 mL/mx 7.797 mL/mx 19.53 mL/mx	1486.4 mL 1429.4 mL	112	211	313

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Reps: 3

Plots: 6 by 25 feet
Mix Size: 1.5 L

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep 1	2	3
13	ZIDUA	4.17	SC	1.74 oz/a	PRE	A	15 GPA	1.359 mL/mx	1487.7 mL	113	207	311
	CALLISTO	4	SC	2.17 oz/a	PRE	A	15 GPA	1.695 mL/mx	1430.7 mL			
	AATREX	4 L		9.98 oz/a	PRE	A	15 GPA	7.797 mL/mx				
	STINGER	3 L		1.82 oz/a	PRE	A	15 GPA	1.422 mL/mx				
	AMS			2.5 % v/v	POST	C	15 GAL/AC	37.5 mL/mx				
	ZIDUA	4.17	SC	1.74 oz/a	POST	C	15 GAL/AC	1.359 mL/mx				
	CALLISTO	4	SC	2.17 oz/a	POST	C	15 GAL/AC	1.695 mL/mx				
	AATREX	4 L		9.98 oz/a	POST	C	15 GAL/AC	7.797 mL/mx				
	STINGER	3 L		1.82 oz/a	POST	C	15 GAL/AC	1.422 mL/mx				
	ROUNDUP P-MAX3	5.88	SL	25.0 oz/a	POST	C	15 GAL/AC	19.53 mL/mx				
14	ROUNDUP P-MAX3	5.88	SL	22.0 oz/a	EPOST B		15 GAL/AC	17.19 mL/mx	1443.0 mL	114	201	312
	WARRANT	3	ME	48.0 oz/a	EPOST B		15 GAL/AC	37.5 mL/mx	1445.2 mL	115	212	305
	LAUDIS	3.5	SC	3.0 oz/a	EPOST B		15 GAL/AC	2.344 mL/mx				
15	LAUDIS	3.5	SC	3.0 oz/a	EPOST B		15 GAL/AC	2.344 mL/mx				
	WARRANT	3	ME	48.0 oz/a	EPOST B		15 GAL/AC	37.5 mL/mx	1413.1 mL	116	210	316
	AGRIDEX			1.0 % v/v	EPOST B		15 GAL/AC	15.0 mL/mx				
16	ACURON GT	4.295	ZC	60.0 oz/a	EPOST B		15 GAL/AC	46.87 mL/mx	1413.1 mL	116	210	316
	AATREX	4	L	32.0 oz/a	EPOST B		15 GAL/AC	25.0 mL/mx				
	AGRIDEX			1.0 % v/v	EPOST B		15 GAL/AC	15.0 mL/mx				

Sort Order: Treatment

Trial Comments

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

RESICORE = ACETOCHLOR (2.8 LBS AI/GAL) + MESOTRIONE (0.30 LB AI/GAL) + CLOPYRALID (0.19 LBS AI/GAL) + FURILAZOLE (SAFENER)

CORVUS = ISOXAFLUTOLE (1.88 LBS AI/GAL) + THIENCARBAZONE (0.75 LB AI/GAL) + CYPROSULFAMIDE (SAFENER)

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

AGRASS = NON-UNIFORM MIXTURE OF ANNUAL GRASSES INCLUDING TEXAS PANICUM, CRABGRASS, GOOSEGRASS, CROWFOOTGRASS

HARVEST DATE: 08/30/22

HARVEST MOISTURE: 17.47%

YIELDS ADJUSTED TO 15.5%

03/29/22: TRT 5: RESICORE + ATRAZINE: HAD TROUBLE GETTING HERBICIDES TO MIX WELL IN WATER. RESIDUE ON BOTTOM OF BOTTLE REMAINED.

SUMMARY:

1) AT 27 DAT, PRE APPS OF A23980 + ATRAZINE CAUSED EARLY CORN STUNTING (13-20%) AND PROVIDED PROVIDED EXCELLENT RESIDUAL CONTROL OF PALMER AMARANTH, WILD RADISH, AND ANNUAL GRASSES (>97% CONTROL).

2) AT 27 DAT, PRE APPS OF CORVUS + A21798 + ATRAZINE ALSO CAUSED EARLY SEASON CORN STUNTING (15%) AND PROVIDED EXCELLENT CONTROL OF PALMER AMARANTH AND WILD RADISH (99%) BUT ONLY FAIR-GOOD CONTROL OF ANNUAL GRASSES (76-83%).

3) GENERALLY, SPLIT APPLICATIONS OF A23980 + ATRAZINE AND CORVUS + A21798 WERE NOT LESS INJURIOUS THAN SINGLE APPLICATIONS AT HIGHER RATES.

4) ON JUNE 7 (70 DAP), PALMER AMARANTH CONTROL WITH ALL TREATMENTS EXCEEDED 96%.

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Location:	PONDER FARM	Investigator:	Eric P. Prostko

5) ON JUNE 7 (70 DAP), ANNUAL GRASS CONTROL WITH ALL TREATMENTS WAS AT LEAST 80% EXCEPT THE FOLLOWING:

ACURON-PRE = 62% CONTROL

RESICORE + ATRAZINE-PRE = 30% CONTROL

ZIDUA + CALLISTO + ATRAZINE + STINGER-PRE=77% CONTROL

LAUDIS + WARRANT + ATRAZINE-EPOST=53% CONTROL

6) NO DIFFERENCES IN CORN YIELD WERE OBSERVED (P=0.1267). TEST AVERAGE YIELD WAS 231.5 BU/A

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WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS

Trial ID: CN-05-22 Study Dir.: HENRY MCLEAN;
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: HENRY MCLEAN; 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	LEMR AMARANTH
2.	RAPRA	WI	LD RADISH
3.	AGRASS	TX	PAN/CRAB/GOOSE/CROW

Crop 1: ZEAMA FIELD CORN Variety: P2042VYHR
 Planting Date: Mar-28-22 Planting Method: MONOSEM
 Rate: 36300 S/A Depth: 2 IN Perennial Age: _____
 Row Spacing: 36 IN Spacing Within Row: _____ Seed Bed: _____
 Soil Temperature: _____ Soil Moisture: NORMAL Emergence Date: _____

SITE AND DESIGN

Plot Width, Unit: 6 FT Plot Length, Unit: 25 FT Reps: 3
 Site Type: _____
 Tillage Type: CONVENTIONAL Study Design: RACOB

Trial Initiation Comments: _____

	Previous Crops	Previous Pesticides	Year
1.	PEANUT		2022

MAINTENANCE

Field Prep./Maintenance: 1.5 TONS/A LIME-PREPLANT(03/16/22)
 700 LBS/A 5-15-30 -PREPLANT (03/28/22)
 131-0-0-16 SIDEDRESS ON APRIL 21 AND MAY 4
 AXILO BMZ @ 2 LBS/A ON APRIL 26 (HELENA MICRO-NUTRIENTS)

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WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS

Trial ID: CN-05-22 Study Dir.: HENRY MCLEAN;
 Location: PONDER FARM Investigator: Eric P. Prostko

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

SOIL DESCRIPTION

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

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Mar-29-22		0.4	IN	SPRINKLER - LATERAL MOVE		
2.	Mar-31-22		1.65	IN	RAINFALL		
3.	Apr-5-22		1.36	IN	RAINFALL		
4.	Apr-6-22		0.43	IN	RAINFALL		
5.	Apr-17-22		0.16	IN	RAINFALL		
6.	Apr-18-22		0.53	IN	RAINFALL		
7.	Apr-27-22		0.3	IN	SPRINKLER - LATERAL MOVE		
8.	Apr-28-22		0.5	IN	SPRINKLER - LATERAL MOVE		
9.	May-2-22		0.5	IN	SPRINKLER - LATERAL MOVE		
10.	May-3-22		0.3	IN	SPRINKLER - LATERAL MOVE		
11.	May-4-22		0.3	IN	SPRINKLER - LATERAL MOVE		
12.	May-6-22		0.45	IN	RAINFALL		
13.	May-10-22		0.38	IN	SPRINKLER - LATERAL MOVE		
14.	May-12-22		0.4	IN	SPRINKLER - LATERAL MOVE		
15.	May-16-22		0.5	IN	SPRINKLER - LATERAL MOVE		
16.	May-24-22		0.5	IN	SPRINKLER - LATERAL MOVE		
17.	May-24-22		1.8	IN	RAINFALL		
18.	Jun-1-22		0.6	IN	SPRINKLER - LATERAL MOVE		
19.	Jun-7-22		0.5	IN	SPRINKLER - LATERAL MOVE		
20.							
21.							

Overall Moisture Conditions:

Closest Weather Station: _____ Distance: _____ Unit: _____

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Trial ID: CN-05-22 Study Dir.: HENRY MCLEAN;
 Location: PONDER FARM Investigator: Eric P. Prostko

APPLICATION DESCRIPTION

	A	B	C
Application Date:	Mar-29-22	Apr-21-22	Apr-25-22
Time of Day:	8:50 AM	7:27 AM	6:41 AM
Application Method:	BROADCAST	BROADCAST	BROADCAST
Application Timing:	PRE	EPOST	POST
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE
Air Temp., Unit:	54 F	59 F	62 F
% Relative Humidity:	72	87	93
Wind Velocity, Unit:	2 MPH	2 MPH	0 Y
Dew Presence (Y/N):	Y	Y	
Water Hardness:	--	--	68
Soil Temp., Unit:	58 F	60 F	68 F
Soil Moisture:	ADEQUATE	OPTIMUM	DRY
% Cloud Cover:	0	10	0

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMA,	ZEAMA,	ZEAMA,
Stage Scale:		V4-V5	V5-V6
Height, Unit:		7, IN	9, IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	AMAPA,	AMAPA,	AMAPA,
Stage Scale:		1-2"	
Density, Unit:			
Weed 2 Code, Stage:	RAPRA,	RAPRA,	RAPRA,
Stage Scale:		1-3"	1-3"
Density, Unit:			
Weed 3 Code, Stage:	AGRAS,	AGRAS,	AGRAS,
Stage Scale:		1-2"	1-2"
Density, Unit:			

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WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS

Trial ID: CN-05-22 Study Dir.: HENRY MCLEAN;
Location: PONDER FARM Investigator: Eric P. Prostko

APPLICATION EQUIPMENT

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

Trt No	Treatment Application Comment

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WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS											
Trial ID: CN-05-22		Study Dir.: HENRY MCLEAN;									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code					-----	-----	-----	Amapa	AGRASS	Rapra	-----
Crop Code					Zeama	Zeama	Zeama	-----			Zeama
Part Rated											
Rating Data Type					Stunting	Stand ct	Stunting	Control	Control	Control	Stunting
Rating Unit					%	#/5ft	%	%	%	%	%
Rating Date					Apr-11-22	Apr-12-22	Apr-19-22	Apr-19-22	Apr-19-22	Apr-19-22	Apr-25-22
Trt Treatment	Form	Form	Grow	Appl	1	2	3	4	5	6	7
No. Name	Conc	Type	Stg	Code							
1 NTC					0.0 a	11.3 a	0.0 d	0.0 b	0.0 e	0.0 b	0.0 f
2 A23980	3.22 ZC	PRE	A		3.3 a	10.7 a	8.3 b	99.0 a	97.7 a	99.0 a	15.0 a-d
AATREX	4 L	PRE	A								
3 A23980	3.22 ZC	PRE	A		0.0 a	11.0 a	11.7 a	99.0 a	97.7 a	99.0 a	20.0 ab
AATREX	4 L	PRE	A								
4 ACURON	3.44 ZC	PRE	A		3.3 a	10.3 a	8.3 b	99.0 a	96.0 ab	99.0 a	15.0 a-d
5 RESICORE	3.29 SC	PRE	A		0.0 a	11.3 a	10.0 ab	99.0 a	91.0 abc	99.0 a	11.7 b-e
AATREX	4 L	PRE	A								
6 CORVUS	2.63 SC	PRE	A		5.0 a	12.0 a	11.7 a	99.0 a	89.7 a-d	99.0 a	15.0 a-d
A21798	4.17 SC	PRE	A								
AATREX	4 L	PRE	A								
7 ZIDUA	4.17 SC	PRE	A		3.3 a	11.0 a	10.0 ab	99.0 a	99.0 a	99.0 a	21.7 a
CALLISTO	4 SC	PRE	A								
AATREX	4 L	PRE	A								
STINGER	3 L	PRE	A								
8 A23980	3.22 ZC	PRE	A		0.0 a	11.3 a	8.3 b	99.0 a	99.0 a	99.0 a	13.3 a-d
AATREX	4 L	PRE	A								
AMS		POST	C								
A23980	3.22 ZC	POST	C								
AATREX	4 L	POST	C								
ROUNDUP P-MAX3	5.88 SL	POST	C								
9 A23980	3.22 ZC	PRE	A		0.0 a	11.3 a	8.3 b	99.0 a	99.0 a	99.0 a	13.3 a-d
AATREX	4 L	PRE	A								
AMS		POST	C								
A23980	3.22 ZC	POST	C								
AATREX	4 L	POST	C								
ROUNDUP P-MAX3	5.88 SL	POST	C								
10 ACURON	3.44 ZC	PRE	A		0.0 a	11.7 a	5.0 c	99.0 a	97.7 a	99.0 a	6.7 def
AMS		POST	C								
ACURON	3.44 ZC	POST	C								
ROUNDUP P-MAX3	5.88 SL	POST	C								
11 RESICORE	3.29 SC	PRE	A		0.0 a	11.3 a	5.0 c	99.0 a	78.3 d	99.0 a	3.3 ef
AATREX	4 L	PRE	A								
AMS		POST	C								
RESICORE	3.29 SC	POST	C								
AATREX	4 L	POST	C								
ROUNDUP P-MAX3	5.88 SL	POST	C								
12 CORVUS	2.63 SC	PRE	A		0.0 a	11.7 a	8.3 b	99.0 a	84.7 bcd	99.0 a	8.3 c-f
A21798	4.17 SC	PRE	A								
AATREX	4 L	PRE	A								
AMS		POST	C								
CORVUS	2.63 SC	POST	C								
A21798	4.17 SC	POST	C								
AATREX	4 L	POST	C								
ROUNDUP P-MAX3	5.88 SL	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 4,6,8,9,10,15 because error mean square = 0.

^Calculated from residual.

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Weed Code						-----	-----	-----	Amapa	AGRASS	Rapra	-----
Crop Code						Zeama	Zeama	Zeama	-----			Zeama
Part Rated												
Rating Data Type						Stunting	Stand ct	Stunting	Control	Control	Control	Stunting
Rating Unit						%	#/5ft	%	%	%	%	%
Rating Date						Apr-11-22	Apr-12-22	Apr-19-22	Apr-19-22	Apr-19-22	Apr-19-22	Apr-25-22
Trt	Treatment	Form	Form	Grow	Appl	1	2	3	4	5	6	7
No.	Name	Conc	Type	Stg	Code							
13	ZIDUA	4.17	SC	PRE	A	0.0 a	11.0 a	10.0 ab	99.0 a	81.7 cd	99.0 a	16.7 abc
	CALLISTO	4	SC	PRE	A							
	AATREX	4	L	PRE	A							
	STINGER	3	L	PRE	A							
	AMS			POST	C							
	ZIDUA	4.17	SC	POST	C							
	CALLISTO	4	SC	POST	C							
	AATREX	4	L	POST	C							
	STINGER	3	L	POST	C							
	ROUNDUP P-MAX3	5.88	SL	POST	C							
14	ROUNDUP P-MAX3	5.88	SL	EPOST	B	0.0 a	10.3 a	0.0 d	0.0 b	0.0 e	0.0 b	0.0 f
	WARRANT	3	ME	EPOST	B							
	LAUDIS	3.5	SC	EPOST	B							
15	LAUDIS	3.5	SC	EPOST	B	0.0 a	10.3 a	0.0 d	0.0 b	0.0 e	0.0 b	0.0 f
	WARRANT	3	ME	EPOST	B							
	AGRIDEX			EPOST	B							
16	ACURON GT	4.295	ZC	EPOST	B	0.0 a	11.3 a	0.0 d	0.0 b	0.0 e	0.0 b	3.3 ef
	AATREX	4	L	EPOST	B							
	AGRIDEX			EPOST	B							
LSD P=.10						3.98	0.93	3.24	.	11.57	.	8.75
Standard Deviation						2.87	0.67	2.33	0.00	8.35	0.00	6.31
CV						305.99	6.06	35.58	0.0	12.02	0.0	61.85
Grand Mean						0.94	11.13	6.56	74.25	69.46	74.25	10.21
Bartlett's X2^						79.852	18.20	46.139	.	65.616	.	18.977
P(Bartlett's X2)						0.00*	0.252	0.00*	.	0.00*	.	0.215

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 4,6,8,9,10,15 because error mean square = 0.

^Calculated from residual.

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Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code					----	-----	Amapa	Rapra	Agrass	-----	-----
Crop Code					Zeama	Zeama	-----	-----	-----	Zeama	Zeama
Part Rated					Leaf, -	Leaf, -					
Rating Data Type					Necrosis	Chlorosis	Control	Control	Control	Stunting	Bleaching
Rating Unit					%	%	%	%	%	%	%
Rating Date					Apr-25-22	Apr-25-22	Apr-25-22	Apr-25-22	Apr-25-22	May-5-22	May-5-22
Trt Treatment	Form	Form	Grow	Appl	8	9	10	11	12	13	14
No. Name	Conc	Type	Stg	Code							
1 NTC					0.0 a	0.0 b	0.0 c	0.0 e	0.0 f	0.0 f	0.0 b
2 A23980	3.22 ZC	PRE	A		0.0 a	0.0 b	99.0 a	99.0 a	99.0 a	20.0 abc	0.0 b
AATREX	4 L	PRE	A								
3 A23980	3.22 ZC	PRE	A		0.0 a	0.0 b	99.0 a	99.0 a	97.7 ab	30.0 a	1.7 b
AATREX	4 L	PRE	A								
4 ACURON	3.44 ZC	PRE	A		0.0 a	0.0 b	99.0 a	99.0 a	97.7 ab	15.0 b-e	0.0 b
5 RESICORE	3.29 SC	PRE	A		0.0 a	0.0 b	99.0 a	99.0 a	84.7 a-d	8.3 c-f	0.0 b
AATREX	4 L	PRE	A								
6 CORVUS	2.63 SC	PRE	A		0.0 a	0.0 b	99.0 a	99.0 a	76.3 cde	25.0 ab	1.7 b
A21798	4.17 SC	PRE	A								
AATREX	4 L	PRE	A								
7 ZIDUA	4.17 SC	PRE	A		0.0 a	0.0 b	99.0 a	99.0 a	96.3 ab	30.0 a	0.0 b
CALLISTO	4 SC	PRE	A								
AATREX	4 L	PRE	A								
STINGER	3 L	PRE	A								
8 A23980	3.22 ZC	PRE	A		0.0 a	0.0 b	99.0 a	99.0 a	97.7 ab	25.0 ab	0.0 b
AATREX	4 L	PRE	A								
AMS		POST	C								
A23980	3.22 ZC	POST	C								
AATREX	4 L	POST	C								
ROUNDUP P-MAX3	5.88 SL	POST	C								
9 A23980	3.22 ZC	PRE	A		0.0 a	0.0 b	99.0 a	99.0 a	99.0 a	16.7 bcd	0.0 b
AATREX	4 L	PRE	A								
AMS		POST	C								
A23980	3.22 ZC	POST	C								
AATREX	4 L	POST	C								
ROUNDUP P-MAX3	5.88 SL	POST	C								
10 ACURON	3.44 ZC	PRE	A		0.0 a	0.0 b	99.0 a	99.0 a	89.7 abc	3.3 ef	0.0 b
AMS		POST	C								
ACURON	3.44 ZC	POST	C								
ROUNDUP P-MAX3	5.88 SL	POST	C								
11 RESICORE	3.29 SC	PRE	A		0.0 a	0.0 b	99.0 a	97.7 a	70.0 de	0.0 f	0.0 b
AATREX	4 L	PRE	A								
AMS		POST	C								
RESICORE	3.29 SC	POST	C								
AATREX	4 L	POST	C								
ROUNDUP P-MAX3	5.88 SL	POST	C								
12 CORVUS	2.63 SC	PRE	A		0.0 a	0.0 b	99.0 a	99.0 a	83.0 bcd	26.7 ab	1.7 b
A21798	4.17 SC	PRE	A								
AATREX	4 L	PRE	A								
AMS		POST	C								
CORVUS	2.63 SC	POST	C								
A21798	4.17 SC	POST	C								
AATREX	4 L	POST	C								
ROUNDUP P-MAX3	5.88 SL	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 4,6,8,9,10,15 because error mean square = 0.

^Calculated from residual.

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WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS											
Trial ID: CN-05-22		Study Dir.: HENRY MCLEAN;									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code					----	-----	Amapa	Rapra	Agrass	-----	-----
Crop Code					Zeama	Zeama	-----	-----	-----	Zeama	Zeama
Part Rated					Leaf, -	Leaf, -					
Rating Data Type					Necrosis	Chlorosis	Control	Control	Control	Stunting	Bleaching
Rating Unit					%	%	%	%	%	%	%
Rating Date					Apr-25-22	Apr-25-22	Apr-25-22	Apr-25-22	Apr-25-22	May-5-22	May-5-22
Trt Treatment	Form	Form	Grow	Appl	8	9	10	11	12	13	14
No. Name	Conc	Type	Stg	Code							
13 ZIDUA	4.17	SC	PRE	A	0.0 a	0.0 b	99.0 a	99.0 a	76.3 cde	23.3 ab	0.0 b
CALLISTO	4	SC	PRE	A							
AATREX	4	L	PRE	A							
STINGER	3	L	PRE	A							
AMS			POST	C							
ZIDUA	4.17	SC	POST	C							
CALLISTO	4	SC	POST	C							
AATREX	4	L	POST	C							
STINGER	3	L	POST	C							
ROUNDUP P-MAX3	5.88	SL	POST	C							
14 ROUNDUP P-MAX3	5.88	SL	EPOST	B	0.0 a	0.0 b	65.0 b	81.7 c	65.0 e	3.3 ef	0.0 b
WARRANT	3	ME	EPOST	B							
LAUDIS	3.5	SC	EPOST	B							
15 LAUDIS	3.5	SC	EPOST	B	0.0 a	0.0 b	65.0 b	68.3 d	65.0 e	5.0 def	0.0 b
WARRANT	3	ME	EPOST	B							
AGRINDEX			EPOST	B							
16 ACURON GT	4.295	ZC	EPOST	B	0.0 a	20.0 a	99.0 a	89.7 b	96.3 ab	8.3 c-f	20.0 a
AATREX	4	L	EPOST	B							
AGRINDEX			EPOST	B							
LSD P=.10					.	.	.	5.51	15.75	11.95	1.73
Standard Deviation					0.00	0.00	0.00	3.97	11.36	8.63	1.25
CV					0.0	0.0	0.0	4.46	14.06	57.51	80.0
Grand Mean					0.00	1.25	88.56	89.15	80.85	15.00	1.56
Bartlett's X2^					.	.	.	116.295	50.183	25.212	51.592
P(Bartlett's X2)					.	.	.	0.00*	0.00*	0.047*	0.00*

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 4,6,8,9,10,15 because error mean square = 0.

^Calculated from residual.

University of Georgia

WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS											
Trial ID: CN-05-22		Study Dir.: HENRY MCLEAN;									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code					----- Zeama	Amapa -----	Rapra -----	Agrass -----	----- Zeama Plant, -	Amapa -----	Rapra -----
Crop Code					Necrosis %	Control %	Control %	Control %	Stunting %	Control %	Control %
Part Rated					May-5-22	May-5-22	May-5-22	May-5-22	May-17-22	May-17-22	May-17-22
Rating Data Type											
Rating Unit											
Rating Date											
Trt Treatment No. Name	Form Conc	Form Type	Grow Stg	Appl Code	15	16	17	18	19	20	21
1 NTC					0.0 a	0.0 d	0.0 e	0.0 e	0.0 c	0.0 d	0.0 f
2 A23980 AATREX	3.22 ZC 4 L	PRE PRE	A A		0.0 a	99.0 a	78.3 bc	99.0 a	3.3 bc	99.0 a	88.0 abc
3 A23980 AATREX	3.22 ZC 4 L	PRE PRE	A A		0.0 a	99.0 a	63.3 cd	99.0 a	11.7 a	99.0 a	71.7 e
4 ACURON	3.44 ZC	PRE	A		0.0 a	99.0 a	65.0 cd	86.7 b	5.0 abc	99.0 a	78.3 cde
5 RESICORE AATREX	3.29 SC 4 L	PRE PRE	A A		0.0 a	99.0 a	68.3 cd	65.0 d	0.0 c	99.0 a	78.3 cde
6 CORVUS A21798 AATREX	2.63 SC 4.17 SC 4 L	PRE PRE PRE	A A A		0.0 a	99.0 a	60.0 d	97.7 a	10.0 ab	99.0 a	89.7 ab
7 ZIDUA CALLISTO AATREX STINGER	4.17 SC 4 SC 4 L 3 L	PRE PRE PRE PRE	A A A A		0.0 a	99.0 a	65.0 cd	97.7 a	8.3 ab	99.0 a	75.0 de
8 A23980 AATREX AMS A23980 AATREX ROUNDUP P-MAX3	3.22 ZC 4 L 3.22 ZC 4 L 5.88 SL	PRE PRE POST POST POST POST	A A C C C C		0.0 a	99.0 a	68.3 cd	99.0 a	6.7 abc	99.0 a	93.0 ab
9 A23980 AATREX AMS A23980 AATREX ROUNDUP P-MAX3	3.22 ZC 4 L 3.22 ZC 4 L 5.88 SL	PRE PRE POST POST POST POST	A A C C C C		0.0 a	99.0 a	76.3 bc	99.0 a	6.7 abc	99.0 a	97.7 a
10 ACURON AMS ACURON ROUNDUP P-MAX3	3.44 ZC 3.44 ZC 5.88 SL	PRE POST POST POST	A C C C		0.0 a	99.0 a	60.0 d	96.0 a	0.0 c	99.0 a	94.3 ab
11 RESICORE AATREX AMS RESICORE AATREX ROUNDUP P-MAX3	3.29 SC 4 L 3.29 SC 4 L 5.88 SL	PRE PRE POST POST POST POST	A A C C C C		0.0 a	99.0 a	86.3 ab	97.7 a	0.0 c	99.0 a	99.0 a
12 CORVUS A21798 AATREX AMS CORVUS A21798 AATREX ROUNDUP P-MAX3	2.63 SC 4.17 SC 4 L 2.63 SC 4.17 SC 4 L 5.88 SL	PRE PRE PRE POST POST POST POST POST	A A A C C C C C		0.0 a	99.0 a	91.0 ab	99.0 a	8.3 ab	99.0 a	97.7 a

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 4,6,8,9,10,15 because error mean square = 0.

^Calculated from residual.

University of Georgia

WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS											
Trial ID: CN-05-22		Study Dir.: HENRY MCLEAN;									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code					----- Zeama	Amapa -----	Rapra -----	Agrass -----	----- Zeama Plant, -	Amapa -----	Rapra -----
Crop Code					Necrosis %	Control %	Control %	Control %	Stunting %	Control %	Control %
Part Rated					May-5-22	May-5-22	May-5-22	May-5-22	May-17-22	May-17-22	May-17-22
Rating Data Type											
Rating Unit											
Rating Date											
Trt Treatment No. Name	Form Conc	Form Type	Grow Stg	Appl Code	15	16	17	18	19	20	21
13 ZIDUA	4.17	SC	PRE	A	0.0 a	99.0 a	86.3 ab	99.0 a	6.7 abc	99.0 a	99.0 a
CALLISTO	4	SC	PRE	A							
AATREX	4	L	PRE	A							
STINGER	3	L	PRE	A							
AMS			POST	C							
ZIDUA	4.17	SC	POST	C							
CALLISTO	4	SC	POST	C							
AATREX	4	L	POST	C							
STINGER	3	L	POST	C							
ROUNDUP P-MAX3	5.88	SL	POST	C							
14 ROUNDUP P-MAX3	5.88	SL	EPOST	B	0.0 a	96.3 b	78.3 bc	96.3 a	0.0 c	96.3 b	94.3 ab
WARRANT	3	ME	EPOST	B							
LAUDIS	3.5	SC	EPOST	B							
15 LAUDIS	3.5	SC	EPOST	B	0.0 a	93.3 c	94.3 a	80.0 c	3.3 bc	93.0 c	84.7 bcd
WARRANT	3	ME	EPOST	B							
AGRIDEX			EPOST	B							
16 ACURON GT	4.295	ZC	EPOST	B	0.0 a	99.0 a	88.3 ab	96.3 a	3.3 bc	99.0 a	99.0 a
AATREX	4	L	EPOST	B							
AGRIDEX			EPOST	B							
LSD P=.10					.	1.26	15.36	3.64	7.14	1.92	11.05
Standard Deviation					0.00	0.91	11.08	2.63	5.15	1.39	7.97
CV					0.0	0.98	15.7	2.99	112.37	1.5	9.52
Grand Mean					0.00	92.29	70.58	87.96	4.58	92.27	83.73
Bartlett's X2^					.	47.528	16.653	29.789	12.609	44.652	10.397
P(Bartlett's X2)					.	0.00*	0.34	0.013*	0.633	0.00*	0.794

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 4,6,8,9,10,15 because error mean square = 0.

^Calculated from residual.

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WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS										
Trial ID: Location:		CN-05-22 PONDER FARM		Study Dir.: Investigator:		HENRY MCLEAN; Eric P. Prostko				
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						Agrass ----- Control % May-17-22	Amapa ----- Control % Jun-7-22	Agrass ----- Control % Jun-7-22	----- Zeama Plot, - Yield Lbs/plot Aug-30-22	----- Zeama Plot, - YIELD BU/A Aug-30-22
Trt No.	Treatment Name	Form Conc	Form Type	Grow Stg	Appl Code	22	23	24	25	26
1	NTC					0.0 f	0.0 c	0.0 e	35.7 a	180.6 a
2	A23980 AATREX	3.22 4 L	ZC PRE	PRE PRE	A A	94.7 ab	99.7 ab	85.0 ab	48.3 a	244.8 a
3	A23980 AATREX	3.22 4 L	ZC PRE	PRE PRE	A A	88.3 b	99.7 ab	80.0 b	45.0 a	227.9 a
4	ACURON	3.44	ZC	PRE	A	80.0 c	99.7 ab	61.7 c	46.0 a	233.0 a
5	RESICORE AATREX	3.29 4 L	SC PRE	PRE PRE	A A	58.3 e	100.0 a	30.0 d	47.7 a	241.4 a
6	CORVUS A21798 AATREX	2.63 4.17 4 L	SC SC PRE	PRE PRE PRE	A A A	88.3 b	96.7 b	80.0 b	43.3 a	219.5 a
7	ZIDUA CALLISTO AATREX STINGER	4.17 4 4 L 3 L	SC SC PRE PRE	PRE PRE PRE PRE	A A A A	95.0 ab	99.7 ab	76.7 b	49.0 a	248.2 a
8	A23980 AATREX AMS A23980 AATREX ROUNDUP P-MAX3	3.22 4 L 3.22 4 L 5.88	ZC PRE ZC POST SL	PRE PRE POST POST POST	A A C C C	99.0 a	100.0 a	95.0 a	48.7 a	246.5 a
9	A23980 AATREX AMS A23980 AATREX ROUNDUP P-MAX3	3.22 4 L 3.22 4 L 5.88	ZC PRE ZC POST SL	PRE PRE POST POST POST	A A C C C	99.0 a	100.0 a	96.7 a	47.3 a	239.7 a
10	ACURON AMS ACURON ROUNDUP P-MAX3	3.44 3.44 5.88	ZC ZC SL	PRE POST POST POST	A C C C	94.3 ab	96.7 b	80.0 b	47.7 a	241.4 a
11	RESICORE AATREX AMS RESICORE AATREX ROUNDUP P-MAX3	3.29 4 L 3.29 4 L 5.88	SC PRE SC POST SL	PRE PRE POST POST POST	A A C C C	96.3 a	100.0 a	85.0 ab	47.0 a	238.0 a
12	CORVUS A21798 AATREX AMS CORVUS A21798 AATREX ROUNDUP P-MAX3	2.63 4.17 4 L 2.63 4.17 4 L 5.88	SC SC PRE POST SC SC POST POST	PRE PRE PRE POST POST POST POST POST	A A A C C C C C	99.0 a	100.0 a	96.7 a	42.7 a	216.1 a

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 4,6,8,9,10,15 because error mean square = 0.

^Calculated from residual.

University of Georgia

WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS									
Trial ID:		CN-05-22		Study Dir.:		HENRY MCLEAN;			
Location:		PONDER FARM		Investigator:		Eric P. Prostko			
Weed Code					Agrass	Amapa	Agrass	-----	-----
Crop Code					-----	-----	-----	Zeama	Zeama
Part Rated								Plot, -	Plot, -
Rating Data Type					Control	Control	Control	Yield	YIELD
Rating Unit					%	%	%	Lbs/plot	BU/A
Rating Date					May-17-22	Jun-7-22	Jun-7-22	Aug-30-22	Aug-30-22
Trt	Treatment	Form	Form	Grow	Appl	22	23	24	25
No.	Name	Conc	Type	Stg	Code				26
13	ZIDUA	4.17	SC	PRE	A	99.0 a	100.0 a	95.0 a	44.3 a
	CALLISTO	4	SC	PRE	A				224.5 a
	AATREX	4	L	PRE	A				
	STINGER	3	L	PRE	A				
	AMS			POST	C				
	ZIDUA	4.17	SC	POST	C				
	CALLISTO	4	SC	POST	C				
	AATREX	4	L	POST	C				
	STINGER	3	L	POST	C				
	ROUNDUP P-MAX3	5.88	SL	POST	C				
14	ROUNDUP P-MAX3	5.88	SL	EPOST	B	93.3 ab	96.7 b	88.3 ab	48.7 a
	WARRANT	3	ME	EPOST	B				246.5 a
	LAUDIS	3.5	SC	EPOST	B				
15	LAUDIS	3.5	SC	EPOST	B	71.7 d	96.7 b	53.3 c	45.7 a
	WARRANT	3	ME	EPOST	B				231.3 a
	AGRIDEX			EPOST	B				
16	ACURON GT	4.295	ZC	EPOST	B	94.3 ab	100.0 a	83.3 ab	44.3 a
	AATREX	4	L	EPOST	B				224.5 a
	AGRIDEX			EPOST	B				
LSD P=.10					7.63	3.26	14.23	6.30	31.89
Standard Deviation					5.51	2.35	10.27	4.54	23.01
CV					6.52	2.54	13.84	9.94	9.94
Grand Mean					84.42	92.83	74.17	45.71	231.50
Bartlett's X2^					12.971	62.369	13.332	13.866	13.866
P(Bartlett's X2)					0.605	0.00*	0.577	0.536	0.536

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 4,6,8,9,10,15 because error mean square = 0.

^Calculated from residual.

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WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS					
Trial ID:	CN-05-22	Study Dir.:	HENRY MCLEAN;		
Location:	PONDER FARM	Investigator:	Eric P. Prostko		
Randomized Complete Block (RCB) AOV For ----- Zeama Stunting % Apr-11-22 (Data Column 1)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	382.812500			
Replicate	2	3.125000	1.562500	0.190	0.8281
Treatment	15	132.812500	8.854167	1.076	0.4159
Error	30	246.875000	8.229167		
Randomized Complete Block (RCB) AOV For ----- Zeama Stand ct #/5ft Apr-12-22 (Data Column 2)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	25.250000			
Replicate	2	0.375000	0.187500	0.413	0.6655
Treatment	15	11.250000	0.750000	1.651	0.1181
Error	30	13.625000	0.454167		
Randomized Complete Block (RCB) AOV For ----- Zeama Stunting % Apr-19-22 (Data Column 3)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	1007.812500			
Replicate	2	3.125000	1.562500	0.287	0.7528
Treatment	15	841.145833	56.076389	10.287	0.0001
Error	30	163.541667	5.451389		
Randomized Complete Block (RCB) AOV For Amapa ----- Control % Apr-19-22 (Data Column 4)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	88209.000000			
Replicate	2	0.000000	0.000000	0.000	1.0000
Treatment	15	88209.000000	5880.600000	0.000	1.0000
Error	30	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For AGRASS Control % Apr-19-22 (Data Column 5)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	81121.916667			
Replicate	2	13.541667	6.770833	0.097	0.9077
Treatment	15	79017.250000	5267.816667	75.574	0.0001
Error	30	2091.125000	69.704167		
Randomized Complete Block (RCB) AOV For Rapra Control % Apr-19-22 (Data Column 6)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	88209.000000			
Replicate	2	0.000000	0.000000	0.000	1.0000
Treatment	15	88209.000000	5880.600000	0.000	1.0000
Error	30	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For ----- Zeama Stunting % Apr-25-22 (Data Column 7)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	3797.916667			
Replicate	2	254.166667	127.083333	3.188	0.0555
Treatment	15	2347.916667	156.527778	3.927	0.0007
Error	30	1195.833333	39.861111		
Randomized Complete Block (RCB) AOV For ---- Zeama Leaf Necrosis % Apr-25-22 (Data Column 8)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	0.000000000000			
Replicate	2	0.000000000000	0.000000000000	0.000	1.0000
Treatment	15	0.000000000000	0.000000000000	0.000	1.0000
Error	30	0.000000000000	0.000000000000		
Randomized Complete Block (RCB) AOV For ----- Zeama Leaf Chlorosis % Apr-25-22 (Data Column 9)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	1125.000000			
Replicate	2	0.000000	0.000000	0.000	1.0000
Treatment	15	1125.000000	75.000000	0.000	1.0000
Error	30	0.000000	0.000000		
Randomized Complete Block (RCB) AOV For Amapa ----- Control % Apr-25-22 (Data Column 10)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	31109.812500			
Replicate	2	0.000000	0.000000	0.000	1.0000
Treatment	15	31109.812500	2073.987500	0.000	1.0000
Error	30	0.000000	0.000000		

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WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS						
Trial ID:	CN-05-22	Study Dir.:	HENRY MCLEAN;			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
Randomized Complete Block (RCB) AOV For Rapra ----- Control % Apr-25-22 (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	29205.979167				
Replicate	2	1.166667	0.583333	0.037	0.9638	
Treatment	15	28731.312500	1915.420833	121.357	0.0001	
Error	30	473.500000	15.783333			
Randomized Complete Block (RCB) AOV For Agrass ----- Control % Apr-25-22 (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	31823.979167				
Replicate	2	105.166667	52.583333	0.407	0.6692	
Treatment	15	27843.979167	1856.265278	14.372	0.0001	
Error	30	3874.833333	129.161111			
Randomized Complete Block (RCB) AOV For ----- Zeama Stunting % May-5-22 (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	8500.000000				
Replicate	2	884.375000	442.187500	5.943	0.0067	
Treatment	15	5383.333333	358.888889	4.823	0.0001	
Error	30	2232.291667	74.409722			
Randomized Complete Block (RCB) AOV For ----- Zeama Bleaching % May-5-22 (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	1157.812500				
Replicate	2	3.125000	1.562500	1.000	0.3798	
Treatment	15	1107.812500	73.854167	47.267	0.0001	
Error	30	46.875000	1.562500			
Randomized Complete Block (RCB) AOV For ----- Zeama Necrosis % May-5-22 (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	0.000000000000				
Replicate	2	0.000000000000	0.000000000000	0.000	1.0000	
Treatment	15	0.000000000000	0.000000000000	0.000	1.0000	
Error	30	0.000000000000	0.000000000000			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % May-5-22 (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	27387.916667				
Replicate	2	2.541667	1.270833	1.538	0.2313	
Treatment	15	27360.583333	1824.038889	2207.241	0.0001	
Error	30	24.791667	0.826389			
Randomized Complete Block (RCB) AOV For Rapra ----- Control % May-5-22 (Data Column 17)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	25995.666667				
Replicate	2	480.666667	240.333333	1.956	0.1590	
Treatment	15	21829.000000	1455.266667	11.844	0.0001	
Error	30	3686.000000	122.866667			
Randomized Complete Block (RCB) AOV For Agrass ----- Control % May-5-22 (Data Column 18)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	28867.916667				
Replicate	2	17.041667	8.520833	1.235	0.3052	
Treatment	15	28643.916667	1909.594444	276.809	0.0001	
Error	30	206.958333	6.898611			
Randomized Complete Block (RCB) AOV For ----- Zeama Plant Stunting % May-17-22 (Data Column 19)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	1691.666667				
Replicate	2	204.166667	102.083333	3.848	0.0325	
Treatment	15	691.666667	46.111111	1.738	0.0963	
Error	30	795.833333	26.527778			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % May-17-22 (Data Column 20)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	27423.479167				
Replicate	2	7.041667	3.520833	1.833	0.1774	
Treatment	15	27358.812500	1823.920833	949.547	0.0001	
Error	30	57.625000	1.920833			

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WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS

Trial ID:	CN-05-22	Study Dir.:	HENRY MCLEAN;
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Randomized Complete Block (RCB) AOV For Rapra ----- Control % May-17-22 (Data Column 21)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	28663.479167			
Replicate	2	525.791667	262.895833	4.137	0.0259
Treatment	15	26231.479167	1748.765278	27.522	0.0001
Error	30	1906.208333	63.540278		

Randomized Complete Block (RCB) AOV For Agrass ----- Control % May-17-22 (Data Column 22)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	29911.666667			
Replicate	2	486.166667	243.083333	8.015	0.0016
Treatment	15	28515.666667	1901.044444	62.683	0.0001
Error	30	909.833333	30.327778		

Randomized Complete Block (RCB) AOV For Amapa ----- Control % Jun-7-22 (Data Column 23)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	27838.666667			
Replicate	2	3.166667	1.583333	0.286	0.7534
Treatment	15	27669.333333	1844.622222	333.031	0.0001
Error	30	166.166667	5.538889		

Randomized Complete Block (RCB) AOV For Agrass ----- Control % Jun-7-22 (Data Column 24)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35766.666667			
Replicate	2	954.166667	477.083333	4.526	0.0192
Treatment	15	31650.000000	2110.000000	20.016	0.0001
Error	30	3162.500000	105.416667		

Randomized Complete Block (RCB) AOV For ----- Zeama Plot Yield Lbs/plot Aug-30-22 (Data Column 25)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	1127.916667			
Replicate	2	6.791667	3.395833	0.165	0.8491
Treatment	15	501.916667	33.461111	1.621	0.1267
Error	30	619.208333	20.640278		

Randomized Complete Block (RCB) AOV For ----- Zeama Plot YIELD BU/A Aug-30-22 (Data Column 26)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	28933.732152			
Replicate	2	174.222325	87.111163	0.165	0.8491
Treatment	15	12875.350480	858.356699	1.621	0.1267
Error	30	15884.159347	529.471978		

Part Rated

$$\text{Leaf} = \text{LEAF} / \text{FOLIAGE}$$

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

Rating Data Type

Yield = YIELD

Rating Unit

% = PERCENT

ARM Action Codes

$$\overline{\text{TY1}} = 5.06481657 \cdot [25]$$

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WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS										
Trial ID: CN-05-22		Study Dir.: HENRY MCLEAN;								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code					-----	-----	-----	Amapa	AGRASS	Rapra
Crop Code					Zeama	Zeama	Zeama	-----		
Part Rated										
Rating Data Type					Stunting	Stand ct	Stunting	Control	Control	Control
Rating Unit					%	#/5ft	%	%	%	%
Rating Date					Apr-11-22	Apr-12-22	Apr-19-22	Apr-19-22	Apr-19-22	Apr-19-22
Trt Treatment	Form	Form	Grow	Appl						
No. Name	Conc	Type	Stg	Code Plot	1	2	3	4	5	6
1 NTC				101	0.0	12.0	0.0	0.0	0.0	0.0
				213	0.0	11.0	0.0	0.0	0.0	0.0
				314	0.0	11.0	0.0	0.0	0.0	0.0
				Mean =	0.0	11.3	0.0	0.0	0.0	0.0
2 A23980	3.22 ZC	PRE	A	102	0.0	11.0	10.0	99.0	99.0	99.0
AATREX	4 L	PRE	A	214	10.0	11.0	10.0	99.0	95.0	99.0
				307	0.0	10.0	5.0	99.0	99.0	99.0
				Mean =	3.3	10.7	8.3	99.0	97.7	99.0
3 A23980	3.22 ZC	PRE	A	103	0.0	12.0	10.0	99.0	95.0	99.0
AATREX	4 L	PRE	A	206	0.0	10.0	10.0	99.0	99.0	99.0
				304	0.0	11.0	15.0	99.0	99.0	99.0
				Mean =	0.0	11.0	11.7	99.0	97.7	99.0
4 ACURON	3.44 ZC	PRE	A	104	0.0	11.0	5.0	99.0	99.0	99.0
				209	0.0	9.0	10.0	99.0	90.0	99.0
				302	10.0	11.0	10.0	99.0	99.0	99.0
				Mean =	3.3	10.3	8.3	99.0	96.0	99.0
5 RESICORE	3.29 SC	PRE	A	105	0.0	11.0	10.0	99.0	99.0	99.0
AATREX	4 L	PRE	A	202	0.0	11.0	10.0	99.0	99.0	99.0
				303	0.0	12.0	10.0	99.0	75.0	99.0
				Mean =	0.0	11.3	10.0	99.0	91.0	99.0
6 CORVUS	2.63 SC	PRE	A	106	10.0	12.0	15.0	99.0	99.0	99.0
A21798	4.17 SC	PRE	A	208	5.0	12.0	10.0	99.0	85.0	99.0
AATREX	4 L	PRE	A	315	0.0	12.0	10.0	99.0	85.0	99.0
				Mean =	5.0	12.0	11.7	99.0	89.7	99.0
7 ZIDUA	4.17 SC	PRE	A	107	10.0	11.0	10.0	99.0	99.0	99.0
CALLISTO	4 SC	PRE	A	215	0.0	11.0	10.0	99.0	99.0	99.0
AATREX	4 L	PRE	A	309	0.0	11.0	10.0	99.0	99.0	99.0
STINGER	3 L	PRE	A							
				Mean =	3.3	11.0	10.0	99.0	99.0	99.0
8 A23980	3.22 ZC	PRE	A	108	0.0	12.0	5.0	99.0	99.0	99.0
AATREX	4 L	PRE	A	205	0.0	11.0	10.0	99.0	99.0	99.0
AMS		POST	C	301	0.0	11.0	10.0	99.0	99.0	99.0
A23980	3.22 ZC	POST	C							
AATREX	4 L	POST	C							
ROUNDUP P-MAX3	5.88 SL	POST	C							
				Mean =	0.0	11.3	8.3	99.0	99.0	99.0
9 A23980	3.22 ZC	PRE	A	109	0.0	11.0	5.0	99.0	99.0	99.0
AATREX	4 L	PRE	A	204	0.0	11.0	10.0	99.0	99.0	99.0
AMS		POST	C	310	0.0	12.0	10.0	99.0	99.0	99.0
A23980	3.22 ZC	POST	C							
AATREX	4 L	POST	C							
ROUNDUP P-MAX3	5.88 SL	POST	C							
				Mean =	0.0	11.3	8.3	99.0	99.0	99.0
10 ACURON	3.44 ZC	PRE	A	110	0.0	12.0	5.0	99.0	95.0	99.0
AMS		POST	C	216	0.0	12.0	5.0	99.0	99.0	99.0
ACURON	3.44 ZC	POST	C	306	0.0	11.0	5.0	99.0	99.0	99.0
ROUNDUP P-MAX3	5.88 SL	POST	C							
				Mean =	0.0	11.7	5.0	99.0	97.7	99.0

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WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS										
Trial ID: CN-05-22		Study Dir.: HENRY MCLEAN;								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code						-----	-----	-----	Amapa	AGRASS
Crop Code						Zeama	Zeama	Zeama	-----	Rapra
Part Rated										
Rating Data Type						Stunting	Stand ct	Stunting	Control	Control
Rating Unit						%	#/5ft	%	%	%
Rating Date						Apr-11-22	Apr-12-22	Apr-19-22	Apr-19-22	Apr-19-22
Trt Treatment	Form	Form	Grow	Appl						
No. Name	Conc	Type	Stg	Code Plot		1	2	3	4	5
11 RESICORE	3.29	SC	PRE	A 111		0.0	11.0	5.0	99.0	65.0
AATREX	4	L	PRE	A 203		0.0	11.0	5.0	99.0	95.0
AMS			POST	C 308		0.0	12.0	5.0	99.0	75.0
RESICORE	3.29	SC	POST	C						
AATREX	4	L	POST	C						
ROUNDUP P-MAX3	5.88	SL	POST	C						
Mean =						0.0	11.3	5.0	99.0	78.3
12 CORVUS	2.63	SC	PRE	A 112		0.0	11.0	5.0	99.0	65.0
A21798	4.17	SC	PRE	A 211		0.0	13.0	10.0	99.0	99.0
AATREX	4	L	PRE	A 313		0.0	11.0	10.0	99.0	90.0
AMS			POST	C						
CORVUS	2.63	SC	POST	C						
A21798	4.17	SC	POST	C						
AATREX	4	L	POST	C						
ROUNDUP P-MAX3	5.88	SL	POST	C						
Mean =						0.0	11.7	8.3	99.0	84.7
13 ZIDUA	4.17	SC	PRE	A 113		0.0	11.0	15.0	99.0	90.0
CALLISTO	4	SC	PRE	A 207		0.0	11.0	10.0	99.0	65.0
AATREX	4	L	PRE	A 311		0.0	11.0	5.0	99.0	90.0
STINGER	3	L	PRE	A						
AMS			POST	C						
ZIDUA	4.17	SC	POST	C						
CALLISTO	4	SC	POST	C						
AATREX	4	L	POST	C						
STINGER	3	L	POST	C						
ROUNDUP P-MAX3	5.88	SL	POST	C						
Mean =						0.0	11.0	10.0	99.0	81.7
14 ROUNDUP P-MAX3	5.88	SL	EPOST	B 114		0.0	10.0	0.0	0.0	0.0
WARRANT	3	ME	EPOST	B 201		0.0	10.0	0.0	0.0	0.0
LAUDIS	3.5	SC	EPOST	B 312		0.0	11.0	0.0	0.0	0.0
Mean =						0.0	10.3	0.0	0.0	0.0
15 LAUDIS	3.5	SC	EPOST	B 115		0.0	10.0	0.0	0.0	0.0
WARRANT	3	ME	EPOST	B 212		0.0	11.0	0.0	0.0	0.0
AGRINDEX			EPOST	B 305		0.0	10.0	0.0	0.0	0.0
Mean =						0.0	10.3	0.0	0.0	0.0
16 ACURON GT	4.295	ZC	EPOST	B 116		0.0	11.0	0.0	0.0	0.0
AATREX	4	L	EPOST	B 210		0.0	11.0	0.0	0.0	0.0
AGRINDEX			EPOST	B 316		0.0	12.0	0.0	0.0	0.0
Mean =						0.0	11.3	0.0	0.0	0.0

University of Georgia

WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS											
Trial ID: CN-05-22		Study Dir.: HENRY MCLEAN;									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	----- Zeama Stunting % Apr-25-22	---- Zeama Leaf, - Necrosis % Apr-25-22	----- Zeama Leaf, - Chlorosis % Apr-25-22	Amapa ----- Control % Apr-25-22	Rapra ----- Control % Apr-25-22	Agrass ----- Control % Apr-25-22
Trt	Treatment	Form	Form	Grow	Appl						
No.	Name	Conc	Type	Stg	Code	Plot	7	8	9	10	12
1	NTC					101	0.0	0.0	0.0	0.0	0.0
						213	0.0	0.0	0.0	0.0	0.0
						314	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0
2	A23980	3.22	ZC	PRE	A	102	15.0	0.0	0.0	99.0	99.0
	AATREX	4 L	PRE	A	A	214	20.0	0.0	0.0	99.0	99.0
						307	10.0	0.0	0.0	99.0	99.0
						Mean =	15.0	0.0	0.0	99.0	99.0
3	A23980	3.22	ZC	PRE	A	103	15.0	0.0	0.0	99.0	99.0
	AATREX	4 L	PRE	A	A	206	20.0	0.0	0.0	99.0	95.0
						304	25.0	0.0	0.0	99.0	99.0
						Mean =	20.0	0.0	0.0	99.0	97.7
4	ACURON	3.44	ZC	PRE	A	104	10.0	0.0	0.0	99.0	99.0
						209	15.0	0.0	0.0	99.0	99.0
						302	20.0	0.0	0.0	99.0	95.0
						Mean =	15.0	0.0	0.0	99.0	97.7
5	RESICORE	3.29	SC	PRE	A	105	10.0	0.0	0.0	99.0	90.0
	AATREX	4 L	PRE	A	A	202	15.0	0.0	0.0	99.0	99.0
						303	10.0	0.0	0.0	99.0	65.0
						Mean =	11.7	0.0	0.0	99.0	84.7
6	CORVUS	2.63	SC	PRE	A	106	15.0	0.0	0.0	99.0	99.0
	A21798	4.17	SC	PRE	A	208	10.0	0.0	0.0	99.0	65.0
	AATREX	4 L	PRE	A	A	315	20.0	0.0	0.0	99.0	65.0
						Mean =	15.0	0.0	0.0	99.0	76.3
7	ZIDUA	4.17	SC	PRE	A	107	15.0	0.0	0.0	99.0	95.0
	CALLISTO	4 SC	PRE	A	A	215	20.0	0.0	0.0	99.0	95.0
	AATREX	4 L	PRE	A	A	309	30.0	0.0	0.0	99.0	99.0
	STINGER	3 L	PRE	A	A						
						Mean =	21.7	0.0	0.0	99.0	96.3
8	A23980	3.22	ZC	PRE	A	108	0.0	0.0	0.0	99.0	95.0
	AATREX	4 L	PRE	A	A	205	20.0	0.0	0.0	99.0	99.0
	AMS			POST	C	301	20.0	0.0	0.0	99.0	99.0
	A23980	3.22	ZC	POST	C						
	AATREX	4 L	POST	C	C						
	ROUNDUP P-MAX3	5.88	SL	POST	C						
						Mean =	13.3	0.0	0.0	99.0	97.7
9	A23980	3.22	ZC	PRE	A	109	10.0	0.0	0.0	99.0	99.0
	AATREX	4 L	PRE	A	A	204	10.0	0.0	0.0	99.0	99.0
	AMS			POST	C	310	20.0	0.0	0.0	99.0	99.0
	A23980	3.22	ZC	POST	C						
	AATREX	4 L	POST	C	C						
	ROUNDUP P-MAX3	5.88	SL	POST	C						
						Mean =	13.3	0.0	0.0	99.0	99.0
10	ACURON	3.44	ZC	PRE	A	110	0.0	0.0	0.0	99.0	85.0
	AMS			POST	C	216	10.0	0.0	0.0	99.0	85.0
	ACURON	3.44	ZC	POST	C	306	10.0	0.0	0.0	99.0	99.0
	ROUNDUP P-MAX3	5.88	SL	POST	C						
						Mean =	6.7	0.0	0.0	99.0	89.7

University of Georgia

WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS											
Trial ID:		CN-05-22		Study Dir.:		HENRY MCLEAN;					
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code						-----	----	-----	Amapa	Rapra	Agrass
Crop Code						Zeama	Zeama	Zeama	-----	-----	-----
Part Rated							Leaf, -	Leaf, -			
Rating Data Type						Stunting	Necrosis	Chlorosis	Control	Control	Control
Rating Unit						%	%	%	%	%	%
Rating Date						Apr-25-22	Apr-25-22	Apr-25-22	Apr-25-22	Apr-25-22	Apr-25-22
Trt	Treatment	Form	Form	Grow	Appl						
No.	Name	Conc	Type	Stg	Code Plot	7	8	9	10	11	12
11	RESICORE	3.29	SC	PRE	A 111	0.0	0.0	0.0	99.0	99.0	50.0
	AATREX	4	L	PRE	A 203	10.0	0.0	0.0	99.0	99.0	95.0
	AMS			POST	C 308	0.0	0.0	0.0	99.0	95.0	65.0
	RESICORE	3.29	SC	POST	C						
	AATREX	4	L	POST	C						
	ROUNDUP P-MAX3	5.88	SL	POST	C						
	Mean =					3.3	0.0	0.0	99.0	97.7	70.0
12	CORVUS	2.63	SC	PRE	A 112	0.0	0.0	0.0	99.0	99.0	65.0
	A21798	4.17	SC	PRE	A 211	10.0	0.0	0.0	99.0	99.0	99.0
	AATREX	4	L	PRE	A 313	15.0	0.0	0.0	99.0	99.0	85.0
	AMS			POST	C						
	CORVUS	2.63	SC	POST	C						
	A21798	4.17	SC	POST	C						
	AATREX	4	L	POST	C						
	ROUNDUP P-MAX3	5.88	SL	POST	C						
	Mean =					8.3	0.0	0.0	99.0	99.0	83.0
13	ZIDUA	4.17	SC	PRE	A 113	30.0	0.0	0.0	99.0	99.0	65.0
	CALLISTO	4	SC	PRE	A 207	0.0	0.0	0.0	99.0	99.0	65.0
	AATREX	4	L	PRE	A 311	20.0	0.0	0.0	99.0	99.0	99.0
	STINGER	3	L	PRE	A						
	AMS			POST	C						
	ZIDUA	4.17	SC	POST	C						
	CALLISTO	4	SC	POST	C						
	AATREX	4	L	POST	C						
	STINGER	3	L	POST	C						
	ROUNDUP P-MAX3	5.88	SL	POST	C						
	Mean =					16.7	0.0	0.0	99.0	99.0	76.3
14	ROUNDUP P-MAX3	5.88	SL	EPOST	B 114	0.0	0.0	0.0	65.0	75.0	65.0
	WARRANT	3	ME	EPOST	B 201	0.0	0.0	0.0	65.0	75.0	65.0
	LAUDIS	3.5	SC	EPOST	B 312	0.0	0.0	0.0	65.0	95.0	65.0
	Mean =					0.0	0.0	0.0	65.0	81.7	65.0
15	LAUDIS	3.5	SC	EPOST	B 115	0.0	0.0	0.0	65.0	75.0	65.0
	WARRANT	3	ME	EPOST	B 212	0.0	0.0	0.0	65.0	65.0	65.0
	AGRIDEX			EPOST	B 305	0.0	0.0	0.0	65.0	65.0	65.0
	Mean =					0.0	0.0	0.0	65.0	68.3	65.0
16	ACURON GT	4.295	ZC	EPOST	B 116	0.0	0.0	20.0	99.0	85.0	95.0
	AATREX	4	L	EPOST	B 210	0.0	0.0	20.0	99.0	99.0	99.0
	AGRIDEX			EPOST	B 316	10.0	0.0	20.0	99.0	85.0	95.0
	Mean =					3.3	0.0	20.0	99.0	89.7	96.3

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WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS													
Trial ID: Location:		CN-05-22 PONDER FARM		Study Dir.: Investigator:		HENRY MCLEAN; Eric P. Prostko							
Weed Code						-----	-----	-----	Amapa	Rapra	Agrass	-----	
Crop Code						Zeama	Zeama	Zeama	-----	-----	-----	Zeama	
Part Rated												Plant, -	
Rating Data Type						Stunting	Bleaching	Necrosis	Control	Control	Control	Stunting	
Rating Unit						%	%	%	%	%	%	%	
Rating Date						May-5-22	May-5-22	May-5-22	May-5-22	May-5-22	May-5-22	May-17-22	
Trt	Treatment	Form	Form	Grow	Appl								
No.	Name	Conc	Type	Stg	Code Plot	13	14	15	16	17	18	19	
1	NTC				101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
					213	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
					314	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
					Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	A23980 AATREX	3.22 4 L	ZC PRE	PRE A	102	10.0	0.0	0.0	99.0	95.0	99.0	0.0	
					214	30.0	0.0	0.0	99.0	65.0	99.0	0.0	
					307	20.0	0.0	0.0	99.0	75.0	99.0	10.0	
					Mean =	20.0	0.0	0.0	99.0	78.3	99.0	3.3	
3	A23980 AATREX	3.22 4 L	ZC PRE	PRE A	103	20.0	5.0	0.0	99.0	90.0	99.0	0.0	
					206	30.0	0.0	0.0	99.0	50.0	99.0	15.0	
					304	40.0	0.0	0.0	99.0	50.0	99.0	20.0	
					Mean =	30.0	1.7	0.0	99.0	63.3	99.0	11.7	
4	ACURON	3.44 ZC	PRE	A	104	0.0	0.0	0.0	99.0	65.0	80.0	0.0	
					209	20.0	0.0	0.0	99.0	65.0	90.0	15.0	
					302	25.0	0.0	0.0	99.0	65.0	90.0	0.0	
					Mean =	15.0	0.0	0.0	99.0	65.0	86.7	5.0	
5	RESICORE AATREX	3.29 4 L	SC PRE	PRE A	105	10.0	0.0	0.0	99.0	65.0	65.0	0.0	
					202	5.0	0.0	0.0	99.0	65.0	65.0	0.0	
					303	10.0	0.0	0.0	99.0	75.0	65.0	0.0	
					Mean =	8.3	0.0	0.0	99.0	68.3	65.0	0.0	
6	CORVUS A21798 AATREX	2.63 4.17 4 L	SC SC PRE	PRE A	106	25.0	5.0	0.0	99.0	65.0	99.0	10.0	
					208	15.0	0.0	0.0	99.0	50.0	99.0	10.0	
					315	35.0	0.0	0.0	99.0	65.0	95.0	10.0	
					Mean =	25.0	1.7	0.0	99.0	60.0	97.7	10.0	
7	ZIDUA CALLISTO AATREX STINGER	4.17 4 SC 4 L 3 L	SC SC PRE PRE	PRE A	107	20.0	0.0	0.0	99.0	65.0	95.0	10.0	
					215	30.0	0.0	0.0	99.0	65.0	99.0	0.0	
					309	40.0	0.0	0.0	99.0	65.0	99.0	15.0	
					Mean =	30.0	0.0	0.0	99.0	65.0	97.7	8.3	
8	A23980 AATREX AMS A23980 AATREX ROUNDUP P-MAX3	3.22 4 L	ZC PRE	PRE A	108	5.0	0.0	0.0	99.0	75.0	99.0	0.0	
					205	35.0	0.0	0.0	99.0	65.0	99.0	10.0	
					301	35.0	0.0	0.0	99.0	65.0	99.0	10.0	
					Mean =	25.0	0.0	0.0	99.0	68.3	99.0	6.7	
9	A23980 AATREX AMS A23980 AATREX ROUNDUP P-MAX3	3.22 4 L	ZC PRE	PRE A	109	15.0	0.0	0.0	99.0	65.0	99.0	10.0	
					204	15.0	0.0	0.0	99.0	65.0	99.0	0.0	
					310	20.0	0.0	0.0	99.0	99.0	99.0	10.0	
					Mean =	16.7	0.0	0.0	99.0	76.3	99.0	6.7	
10	ACURON AMS ACURON ROUNDUP P-MAX3	3.44 3.44 5.88	ZC ZC SL	PRE POST	A C	110	0.0	0.0	0.0	99.0	65.0	99.0	0.0
						216	0.0	0.0	0.0	99.0	50.0	99.0	0.0
						306	10.0	0.0	0.0	99.0	65.0	90.0	0.0
						Mean =	3.3	0.0	0.0	99.0	60.0	96.0	0.0

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WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS												
Trial ID: Location:		CN-05-22 PONDER FARM		Study Dir.: Investigator:		HENRY MCLEAN; Eric P. Prostko						
Weed Code						-----	-----	-----	Amapa	Rapra	Agrass	-----
Crop Code						Zeama	Zeama	Zeama	-----	-----	-----	Zeama
Part Rated												Plant, -
Rating Data Type						Stunting	Bleaching	Necrosis	Control	Control	Control	Stunting
Rating Unit						%	%	%	%	%	%	%
Rating Date						May-5-22	May-5-22	May-5-22	May-5-22	May-5-22	May-5-22	May-17-22
Trt	Treatment	Form	Form	Grow	Appl							
No.	Name	Conc	Type	Stg	Code Plot	13	14	15	16	17	18	19
11	RESICORE	3.29	SC	PRE	A 111	0.0	0.0	0.0	99.0	75.0	99.0	0.0
	AATREX	4	L	PRE	A 203	0.0	0.0	0.0	99.0	85.0	95.0	0.0
	AMS			POST	C 308	0.0	0.0	0.0	99.0	99.0	99.0	0.0
	RESICORE	3.29	SC	POST	C							
	AATREX	4	L	POST	C							
	ROUNDUP P-MAX3	5.88	SL	POST	C							
	Mean =					0.0	0.0	0.0	99.0	86.3	97.7	0.0
12	CORVUS	2.63	SC	PRE	A 112	20.0	0.0	0.0	99.0	99.0	99.0	10.0
	A21798	4.17	SC	PRE	A 211	30.0	5.0	0.0	99.0	99.0	99.0	0.0
	AATREX	4	L	PRE	A 313	30.0	0.0	0.0	99.0	75.0	99.0	15.0
	AMS			POST	C							
	CORVUS	2.63	SC	POST	C							
	A21798	4.17	SC	POST	C							
	AATREX	4	L	POST	C							
	ROUNDUP P-MAX3	5.88	SL	POST	C							
	Mean =					26.7	1.7	0.0	99.0	91.0	99.0	8.3
13	ZIDUA	4.17	SC	PRE	A 113	40.0	0.0	0.0	99.0	99.0	99.0	10.0
	CALLISTO	4	SC	PRE	A 207	0.0	0.0	0.0	99.0	75.0	99.0	0.0
	AATREX	4	L	PRE	A 311	30.0	0.0	0.0	99.0	85.0	99.0	10.0
	STINGER	3	L	PRE	A							
	AMS			POST	C							
	ZIDUA	4.17	SC	POST	C							
	CALLISTO	4	SC	POST	C							
	AATREX	4	L	POST	C							
	STINGER	3	L	POST	C							
	ROUNDUP P-MAX3	5.88	SL	POST	C							
	Mean =					23.3	0.0	0.0	99.0	86.3	99.0	6.7
14	ROUNDUP P-MAX3	5.88	SL	EPOST	B 114	0.0	0.0	0.0	99.0	85.0	99.0	0.0
	WARRANT	3	ME	EPOST	B 201	0.0	0.0	0.0	95.0	85.0	95.0	0.0
	LAUDIS	3.5	SC	EPOST	B 312	10.0	0.0	0.0	95.0	65.0	95.0	0.0
	Mean =					3.3	0.0	0.0	96.3	78.3	96.3	0.0
15	LAUDIS	3.5	SC	EPOST	B 115	0.0	0.0	0.0	95.0	99.0	80.0	0.0
	WARRANT	3	ME	EPOST	B 212	0.0	0.0	0.0	90.0	99.0	85.0	0.0
	AGRIDEX			EPOST	B 305	15.0	0.0	0.0	95.0	85.0	75.0	10.0
	Mean =					5.0	0.0	0.0	93.3	94.3	80.0	3.3
16	ACURON GT	4.295	ZC	EPOST	B 116	10.0	20.0	0.0	99.0	85.0	95.0	0.0
	AATREX	4	L	EPOST	B 210	0.0	20.0	0.0	99.0	85.0	99.0	0.0
	AGRIDEX			EPOST	B 316	15.0	20.0	0.0	99.0	95.0	95.0	10.0
	Mean =					8.3	20.0	0.0	99.0	88.3	96.3	3.3

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WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS											
Trial ID: Location:		CN-05-22 PONDER FARM		Study Dir.: Investigator:		HENRY MCLEAN; Eric P. Prostko					
Weed Code						Amapa	Rapra	Agrass	Amapa	Agrass	-----
Crop Code						-----	-----	-----	-----	-----	Zeama
Part Rated											Plot, -
Rating Data Type						Control	Control	Control	Control	Control	Yield
Rating Unit						%	%	%	%	%	Lbs/plot
Rating Date						May-17-22	May-17-22	May-17-22	Jun-7-22	Jun-7-22	Aug-30-22
Trt	Treatment	Form	Form	Grow	Appl						
No.	Name	Conc	Type	Stg	Code Plot	20	21	22	23	24	25
1	NTC				101	0.0	0.0	0.0	0.0	0.0	29.0
					213	0.0	0.0	0.0	0.0	0.0	35.0
					314	0.0	0.0	0.0	0.0	0.0	43.0
					Mean =	0.0	0.0	0.0	0.0	0.0	35.7
2	A23980	3.22	ZC	PRE	A 102	99.0	90.0	95.0	99.0	85.0	49.0
	AATREX	4 L	PRE	A 214		99.0	99.0	99.0	100.0	95.0	49.0
					307	99.0	75.0	90.0	100.0	75.0	47.0
					Mean =	99.0	88.0	94.7	99.7	85.0	48.3
3	A23980	3.22	ZC	PRE	A 103	99.0	85.0	95.0	99.0	90.0	49.0
	AATREX	4 L	PRE	A 206		99.0	65.0	95.0	100.0	85.0	47.0
					304	99.0	65.0	75.0	100.0	65.0	39.0
					Mean =	99.0	71.7	88.3	99.7	80.0	45.0
4	ACURON	3.44	ZC	PRE	A 104	99.0	85.0	85.0	99.0	60.0	47.0
					209	99.0	85.0	90.0	100.0	65.0	43.0
					302	99.0	65.0	65.0	100.0	60.0	48.0
					Mean =	99.0	78.3	80.0	99.7	61.7	46.0
5	RESICORE	3.29	SC	PRE	A 105	99.0	65.0	60.0	100.0	20.0	49.0
	AATREX	4 L	PRE	A 202		99.0	85.0	65.0	100.0	50.0	51.0
					303	99.0	85.0	50.0	100.0	20.0	43.0
					Mean =	99.0	78.3	58.3	100.0	30.0	47.7
6	CORVUS	2.63	SC	PRE	A 106	99.0	99.0	95.0	90.0	95.0	48.0
	A21798	4.17	SC	PRE	A 208	99.0	85.0	85.0	100.0	75.0	37.0
	AATREX	4 L	PRE	A 315		99.0	85.0	85.0	100.0	70.0	45.0
					Mean =	99.0	89.7	88.3	96.7	80.0	43.3
7	ZIDUA	4.17	SC	PRE	A 107	99.0	75.0	95.0	99.0	65.0	46.0
	CALLISTO	4 SC	PRE	A 215		99.0	85.0	95.0	100.0	85.0	48.0
	AATREX	4 L	PRE	A 309		99.0	65.0	95.0	100.0	80.0	53.0
	STINGER	3 L	PRE	A							
					Mean =	99.0	75.0	95.0	99.7	76.7	49.0
8	A23980	3.22	ZC	PRE	A 108	99.0	99.0	99.0	100.0	95.0	53.0
	AATREX	4 L	PRE	A 205		99.0	85.0	99.0	100.0	95.0	45.0
	AMS			POST C 301		99.0	95.0	99.0	100.0	95.0	48.0
	A23980	3.22	ZC	POST C							
	AATREX	4 L	POST C								
	ROUNDUP P-MAX3	5.88	SL	POST C							
					Mean =	99.0	93.0	99.0	100.0	95.0	48.7
9	A23980	3.22	ZC	PRE	A 109	99.0	95.0	99.0	100.0	100.0	49.0
	AATREX	4 L	PRE	A 204		99.0	99.0	99.0	100.0	95.0	44.0
	AMS			POST C 310		99.0	99.0	99.0	100.0	95.0	49.0
	A23980	3.22	ZC	POST C							
	AATREX	4 L	POST C								
	ROUNDUP P-MAX3	5.88	SL	POST C							
					Mean =	99.0	97.7	99.0	100.0	96.7	47.3
10	ACURON	3.44	ZC	PRE	A 110	99.0	99.0	99.0	100.0	95.0	46.0
	AMS			POST C 216		99.0	99.0	99.0	100.0	95.0	49.0
	ACURON	3.44	ZC	POST C 306		99.0	85.0	85.0	90.0	50.0	48.0
	ROUNDUP P-MAX3	5.88	SL	POST C							
					Mean =	99.0	94.3	94.3	96.7	80.0	47.7

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WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS											
Trial ID:		CN-05-22		Study Dir.:		HENRY MCLEAN;					
Location:		PONDER FARM		Investigator:		Eric P. Prostko					
Weed Code						Amapa	Rapra	Agrass	Amapa	Agrass	-----
Crop Code						-----	-----	-----	-----	-----	Zeama
Part Rated											Plot, -
Rating Data Type						Control	Control	Control	Control	Control	Yield
Rating Unit						%	%	%	%	%	Lbs/plot
Rating Date						May-17-22	May-17-22	May-17-22	Jun-7-22	Jun-7-22	Aug-30-22
Trt No.	Treatment Name	Form Conc	Form Type	Grow Stg	Appl Code Plot	20	21	22	23	24	25
11	RESICORE	3.29	SC	PRE	A 111	99.0	99.0	95.0	100.0	70.0	44.0
	AATREX	4	L	PRE	A 203	99.0	99.0	95.0	100.0	90.0	48.0
	AMS			POST	C 308	99.0	99.0	99.0	100.0	95.0	49.0
	RESICORE	3.29	SC	POST	C						
	AATREX	4	L	POST	C						
	ROUNDUP P-MAX3	5.88	SL	POST	C						
	Mean =					99.0	99.0	96.3	100.0	85.0	47.0
12	CORVUS	2.63	SC	PRE	A 112	99.0	95.0	99.0	100.0	100.0	36.0
	A21798	4.17	SC	PRE	A 211	99.0	99.0	99.0	100.0	95.0	46.0
	AATREX	4	L	PRE	A 313	99.0	99.0	99.0	100.0	95.0	46.0
	AMS			POST	C						
	CORVUS	2.63	SC	POST	C						
	A21798	4.17	SC	POST	C						
	AATREX	4	L	POST	C						
	ROUNDUP P-MAX3	5.88	SL	POST	C						
Mean =					99.0	97.7	99.0	100.0	96.7	42.7	
13	ZIDUA	4.17	SC	PRE	A 113	99.0	99.0	99.0	100.0	95.0	42.0
	CALLISTO	4	SC	PRE	A 207	99.0	99.0	99.0	100.0	95.0	44.0
	AATREX	4	L	PRE	A 311	99.0	99.0	99.0	100.0	95.0	47.0
	STINGER	3	L	PRE	A						
	AMS			POST	C						
	ZIDUA	4.17	SC	POST	C						
	CALLISTO	4	SC	POST	C						
	AATREX	4	L	POST	C						
	STINGER	3	L	POST	C						
	ROUNDUP P-MAX3	5.88	SL	POST	C						
Mean =					99.0	99.0	99.0	100.0	95.0	44.3	
14	ROUNDUP P-MAX3	5.88	SL	EPOST	B 114	99.0	99.0	95.0	100.0	95.0	46.0
	WARRANT	3	ME	EPOST	B 201	95.0	99.0	95.0	95.0	85.0	49.0
	LAUDIS	3.5	SC	EPOST	B 312	95.0	85.0	90.0	95.0	85.0	51.0
	Mean =					96.3	94.3	93.3	96.7	88.3	48.7
15	LAUDIS	3.5	SC	EPOST	B 115	99.0	99.0	65.0	100.0	60.0	46.0
	WARRANT	3	ME	EPOST	B 212	90.0	90.0	85.0	95.0	60.0	49.0
	AGRIDEX			EPOST	B 305	90.0	65.0	65.0	95.0	40.0	42.0
	Mean =					93.0	84.7	71.7	96.7	53.3	45.7
16	ACURON GT	4.295	ZC	EPOST	B 116	99.0	99.0	99.0	100.0	85.0	44.0
	AATREX	4	L	EPOST	B 210	99.0	99.0	99.0	100.0	95.0	53.0
	AGRIDEX			EPOST	B 316	99.0	99.0	85.0	100.0	70.0	36.0
	Mean =					99.0	99.0	94.3	100.0	83.3	44.3

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WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS							
Trial ID:		CN-05-22		Study Dir.:		HENRY MCLEAN;	
Location:		PONDER FARM		Investigator:		Eric P. Prostko	
Weed Code				-----			
Crop Code				Zeama			
Part Rated				Plot, -			
Rating Data Type				YIELD			
Rating Unit				BU/A			
Rating Date				Aug-30-22			
Trt	Treatment	Form	Form	Grow	Appl		
No.	Name	Conc	Type	Stg	Code	Plot	26
1	NTC				101		146.9
					213		177.3
					314		217.8
					Mean =		180.6
2	A23980	3.22	ZC	PRE	A	102	248.2
	AATREX	4 L	PRE	A	214		248.2
					307		238.0
					Mean =		244.8
3	A23980	3.22	ZC	PRE	A	103	248.2
	AATREX	4 L	PRE	A	206		238.0
					304		197.5
					Mean =		227.9
4	ACURON	3.44	ZC	PRE	A	104	238.0
					209		217.8
					302		243.1
					Mean =		233.0
5	RESICORE	3.29	SC	PRE	A	105	248.2
	AATREX	4 L	PRE	A	202		258.3
					303		217.8
					Mean =		241.4
6	CORVUS	2.63	SC	PRE	A	106	243.1
	A21798	4.17	SC	PRE	A	208	187.4
	AATREX	4 L	PRE	A	315		227.9
					Mean =		219.5
7	ZIDUA	4.17	SC	PRE	A	107	233.0
	CALLISTO	4 SC	PRE	A	215		243.1
	AATREX	4 L	PRE	A	309		268.4
	STINGER	3 L	PRE	A			
					Mean =		248.2
8	A23980	3.22	ZC	PRE	A	108	268.4
	AATREX	4 L	PRE	A	205		227.9
	AMS		POST	C	301		243.1
	A23980	3.22	ZC	POST	C		
	AATREX	4 L	POST	C			
	ROUNDUP P-MAX3	5.88	SL	POST	C		
					Mean =		246.5
9	A23980	3.22	ZC	PRE	A	109	248.2
	AATREX	4 L	PRE	A	204		222.9
	AMS		POST	C	310		248.2
	A23980	3.22	ZC	POST	C		
	AATREX	4 L	POST	C			
	ROUNDUP P-MAX3	5.88	SL	POST	C		
					Mean =		239.7
10	ACURON	3.44	ZC	PRE	A	110	233.0
	AMS		POST	C	216		248.2
	ACURON	3.44	ZC	POST	C	306	243.1
	ROUNDUP P-MAX3	5.88	SL	POST	C		
					Mean =		241.4

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WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS							
Trial ID:		CN-05-22		Study Dir.:		HENRY MCLEAN;	
Location:		PONDER FARM		Investigator:		Eric P. Prostko	
Weed Code				-----			
Crop Code				Zeama			
Part Rated				Plot, -			
Rating Data Type				YIELD			
Rating Unit				BU/A			
Rating Date				Aug-30-22			
Trt No.	Treatment Name	Form Conc	Form Type	Grow Stg	Appl Code	Plot	26
11	RESICORE	3.29	SC	PRE	A	111	222.9
	AATREX	4	L	PRE	A	203	243.1
	AMS			POST	C	308	248.2
	RESICORE	3.29	SC	POST	C		
	AATREX	4	L	POST	C		
	ROUNDUP P-MAX3	5.88	SL	POST	C		
	Mean =						238.0
12	CORVUS	2.63	SC	PRE	A	112	182.3
	A21798	4.17	SC	PRE	A	211	233.0
	AATREX	4	L	PRE	A	313	233.0
	AMS			POST	C		
	CORVUS	2.63	SC	POST	C		
	A21798	4.17	SC	POST	C		
	AATREX	4	L	POST	C		
	ROUNDUP P-MAX3	5.88	SL	POST	C		
	Mean =						216.1
13	ZIDUA	4.17	SC	PRE	A	113	212.7
	CALLISTO	4	SC	PRE	A	207	222.9
	AATREX	4	L	PRE	A	311	238.0
	STINGER	3	L	PRE	A		
	AMS			POST	C		
	ZIDUA	4.17	SC	POST	C		
	CALLISTO	4	SC	POST	C		
	AATREX	4	L	POST	C		
	STINGER	3	L	POST	C		
	ROUNDUP P-MAX3	5.88	SL	POST	C		
	Mean =						224.5
14	ROUNDUP P-MAX3	5.88	SL	EPOST	B	114	233.0
	WARRANT	3	ME	EPOST	B	201	248.2
	LAUDIS	3.5	SC	EPOST	B	312	258.3
	Mean =						246.5
15	LAUDIS	3.5	SC	EPOST	B	115	233.0
	WARRANT	3	ME	EPOST	B	212	248.2
	AGRIDEX			EPOST	B	305	212.7
	Mean =						231.3
16	ACURON GT	4.295	ZC	EPOST	B	116	222.9
	AATREX	4	L	EPOST	B	210	268.4
	AGRIDEX			EPOST	B	316	182.3
	Mean =						224.5

University of Georgia

WEED CONTROL IN FIELD CORN WITH A23980, A21798 AND OTHERS

Trial ID: CN-05-22 Study Dir.: HENRY MCLEAN;
Location: PONDER FARM Investigator: Eric P. Prostko

Part Rated

Leaf = LEAF / FOLIAGE

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

Rating Data Type

Yield = YIELD

Rating Unit

% = PERCENT

ARM Action Codes

TY1 = 5.06481657*[25]