

University of Georgia

Effects of Various Herbicide Systems on Weed Control in Corn when Applied E-Post (V3/V4)

Trial ID: CN-02-22 Location: GA Trial Year: 2022
 Protocol ID: 22-EBU 07 Investigator (Creator): Eric P. Prostko
 Project ID: Study Director: Dr. Eric Prostko
 Sponsor Contact: 252-503-0204

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 Type Name	Form Conc	Form Type	Rate Rate Unit	Appl Timing	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	HERB HM1821A	3.82 L		45 fl oz/a	POSPOS A		35.16 mL/mx	1410.2 mL	101	204	308	406
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A		17.19 mL/mx					
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A		25.0 mL/mx					
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A		12.5 mL/mx					
2	HERB HM1821A	3.82 L		32 fl oz/a	POSPOS A		25.0 mL/mx	1420.3 mL	102	206	303	411
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A		17.19 mL/mx					
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A		25.0 mL/mx					
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A		12.5 mL/mx					
3	HERB HM1823	3.543 L		80 fl oz/a	POSPOS A		62.5 mL/mx	1407.8 mL	103	208	302	409
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A		17.19 mL/mx					
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A		12.5 mL/mx					
4	HERB HM1824	3.448 L		80 fl oz/a	POSPOS A		62.5 mL/mx	1407.8 mL	104	207	304	410
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A		17.19 mL/mx					
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A		12.5 mL/mx					
5	HERB Halex GT	4.39 L		58 fl oz/a	POSPOS A		45.31 mL/mx	1417.2 mL	105	203	307	412
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A		25.0 mL/mx					
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A		12.5 mL/mx					
6	HERB Impact	2.8 L		0.75 fl oz/a	POSPOS A		0.5859 mL/mx	1444.7 mL	106	205	311	405
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A		17.19 mL/mx					
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A		25.0 mL/mx					
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A		12.5 mL/mx					
7	HERB Armezon PRO	5.35 L		15 fl oz/a	POSPOS A		11.72 mL/mx	1433.6 mL	107	211	310	407
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A		17.19 mL/mx					
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A		25.0 mL/mx					
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A		12.5 mL/mx					
8	HERB Shieldex	3.33 L		1 fl oz/a	POSPOS A		0.7812 mL/mx	1444.5 mL	108	202	312	401
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A		17.19 mL/mx					
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A		25.0 mL/mx					
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A		12.5 mL/mx					
9	HERB Laudis	3.5 L		3 fl oz/a	POSPOS A		2.344 mL/mx	1443.0 mL	109	210	306	408
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A		17.19 mL/mx					
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A		25.0 mL/mx					
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A		12.5 mL/mx					
10	HERB Resicore	3.29 L		72 fl oz/a	POSPOS A		56.25 mL/mx	1389.1 mL	110	209	301	402
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A		17.19 mL/mx					
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A		25.0 mL/mx					
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A		12.5 mL/mx					

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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 Type Name	Form Conc	Form Type	Rate Rate Unit	Appl Timing	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3	4
11	HERB Acuron Flexi	3.26 L		64 fl oz/a	POSPOS A		50.0 mL/mx	1395.3 mL	111	212	309	403
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A		17.19 mL/mx					
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A		25.0 mL/mx					
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A		12.5 mL/mx					
12	NTC							-	112	201	305	404

Sort Order: Treatment

Trial Comments

HM1821A = **EMPYROS** = TOLPYRALATE (0.10 LBS/GAL) + S-METOLACHLOR (3.72 LBS/GAL) + BENOXACOR
 HM1823 = **EMPYROS TRIAD** = TOLPYRALATE (0.043 LBS/GAL) + S-METOLACHLOR (1.75 LBS/GAL) + ATRAZINE (1.75 LBS/GAL) + BENOXACOR
 HM1824 = **EMPYROS TRIAD FLEX** = TOLPYRALATE (0.048 LBS/GAL) + S-METOLACHLOR (2.47 LBS/GAL) + ATRAZINE (0.93 LBS/GAL) + BENOXACOR
ARMEZON PRO = TOPRAMEZONE (0.1 LBS/GAL) + DIMETHENAMID-P (5.25 LBS/GAL)
RESICORE = ACETOCHLOR (2.8 LBS/GAL) + MESOTRIONE (0.30 LBS/GAL) + CLOPYRALID (0.19 LBS/GAL) + FURILAZOLE
ACURON FLEXI = BICYCLOPYRONE (0.08 LBS/GAL) + MESOTRIONE (0.32 LBS/GAL) + S-METOLACHLOR (2.86 LBS/GAL)
HALEX GT = GLYPHOSATE (2.09 LBS/GAL) + MESOTRIONE (2.09 LBS/GAL) + S-METOLACHLOR (0.209 LBS/GAL)

HM9679A = **GROUNDLED**

HARVEST MOISTURE: 16.63%
 YIELDS ADJUSTED TO 15.5%

SUMMARY:

- 1) AT 7 DAT, ALL TREATMENTS CAUSED CORN STUNTING AND BLEACHING. 45 OZ/A OF EMPYROS CAUSED MORE BLEACHING THAN 32 OZ/A. HALEX GT, ARMEZON PRO, IMPACT, AND LAUDIS CAUSED LESS BLEACHING AT THIS TIME.
- 2) AT 14 DAT, CORN STUNTING WAS NOT INFLUENCED BY ANY HERBICIDE TREATMENT. BLEACHING WAS >7% WITH ALL TREATMENTS EXCEPT ARMEZON PRO AND LAUDIS.
- 3) AT 27 DAT, NO BLEACHING WAS OBSERVED AND CORN STRUNTING WAS NOT INFLUENCED BY HERBICIDE TREATMENT.
- 4) AT 27 DAT, ALL TREATMENTS PROVIDED > 93% CONTROL OF PALMER AMARANTH, WILD RADISH, AND ANNUAL GRASSES.
- 5) AT 49 DAT, ALL TREATMENTS PROVIDED > 94% CONTROL OF PALMER AMARANTH EXCEPT THE FOLLOWING:
 IMPACT @ 1 OZ/A + ROUNDUP + ATRAZINE + GROUNDLED = 75% CONTROL
 ARMEZON PRO @ 15 OZ/A + ROUNDUP + ATRAZINE + GROUNDLED = 88% CONTROL
 SHIELDDEX @ 1 OZ/A + ROUNDUP + ATRAZINE + GROUNDLED = 81% CONTROL
 LAUDIS @ 3 OZ/A + ROUNDUP + ATRAZINE + GROUNDLED = 79% CONTROL

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6) AT 49 DAT, ALL TREATMENTS PROVIDED AT LEAST 83% CONTROL OF ANNUAL GRASSES EXCEPT THE FOLLOWING:

IMPACT @ 1 OZ/A + ROUNDUP + ATRAZINE + GROUNDED = 76% CONTROL
SHIELDEX @ 1 OZ/A + ROUNDUP + ATRAZINE + GROUNDED = 73% CONTROL
LAUDIS @ 3 OZ/A + ROUNDUP + ATRAZINE + GROUNDED = 73% CONTROL

7) ALL HERBICIDE TREATED PLOTS HAD HIGHER CORN YIELDS THAN THE NTC WITH NO DIFFERENCES BETWEEN HERBICIDE TREATMENTS.

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 Project ID: Study Director: Dr. Eric Prostko
 Sponsor Contact: 252-503-0204

General Trial Information

Study Director: Dr. Eric Prostko **Title:** _____
Investigator: _____ **Title:** _____
Discipline: _____ **Trial Status:** E established **Trial Reliability:** _____

ARM Trial Created On: Feb-11-22
Initiation Date: _____ **Planned Completion Date:** _____ **Interim Data Due:** _____
Completion Date: _____

Trial Location

City: _____ **Country:** _____
State/Prov.: _____
Postal Code: _____ **Climate Zone:** _____
Latitude of LL Corner °: _____
Longitude of LL Corner °: _____
GPS Accuracy of LL Corner: _____
Altitude of LL Corner: _____
Angle y-axis to North °: _____

Directions:

Conducted Under GLP: No **Official Trial ID:** _____
Conducted Under GEP: No **Other Trial ID:** _____
Study Rules: _____

No.	Guideline	Discipline	Description
1.			

Keywords:

Objectives:

The main objective of this trial is to demonstrate the efficacy of different corn herbicide systems when applied post-emergence to corn at growth stage V3/V4 and with a height of no greater than 12-inches.

Conclusions:

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 Project ID: Study Director: Dr. Eric Prostko
 Sponsor Contact: 252-503-0204

Contacts

Study Director: Dr. Eric Prostko	Role: STYDIR study director	Title: _____
Organization: _____		Org. Type: _____
Address 1: _____		Phone No.: _____ Mobile No.: _____
Address 2: _____		
Country: _____		E-mail: _____
City: _____		State/Prov: _____ Postal Code: _____
Role: INVEST investigator		
Investigator: _____		Title: _____
Organization: _____		Org. Type: _____
Address 1: _____		Phone No.: _____ Mobile No.: _____
Address 2: _____		
Country: _____		E-mail: _____
City: _____		State/Prov: _____ Postal Code: _____
Role: SPONSR sponsor		
Sponsor: 252-503-0204		Title: _____
Organization: _____		Org. Type: _____
Address 1: _____		Phone No.: _____ Mobile No.: _____
Address 2: _____		
Country: _____		E-mail: _____
City: _____		State/Prov: _____ Postal Code: _____
Role: COOPER cooperator		
Cooperator: _____		Title: _____
Organization: _____		Org. Type: _____
Address 1: _____		Phone No.: _____ Mobile No.: _____
Address 2: _____		
Country: _____		E-mail: _____
City: _____		State/Prov: _____ Postal Code: _____
Role: _____		
Contact Name 5: _____		Title: _____
Organization: _____		Org. Type: _____
Address 1: _____		Phone No.: _____ Mobile No.: _____
Address 2: _____		
Country: _____		E-mail: _____
City: _____		State/Prov: _____ Postal Code: _____

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 Project ID: Study Director: Dr. Eric Prostko
 Sponsor Contact: 252-503-0204

Crop Description

Crop 1: C	ZEAMX Zea mays	Corn	Stage Scale: BBCH	BBCH Scale: BCOR
Entry Date:	Mar-28-22			
Variety:	DKC-6895			
Attributes:	_____			
Seed Shape:	_____	Seed Size:	_____	
Perennial Age:	_____			
Nursery Date:	_____			
Planting Date:	Mar-28-22	Planting Rate: 36300	S/A	
Depth: 2	IN	Planting Density:	_____	
Rows per Plot:	_____	Planting Method:	_____	
Row Spacing: 36	IN	Planting Equipment: VP	vacuum planter	
Spacing within Row:	_____	Seed Bed:	_____	
Soil Temperature:	_____	Soil Moisture: NORMAL	normal, adequate	
Emergence Date:	_____			
Harvest Date:	_____	Harvest Equipment:	_____	
Moisture Meter:	_____	Harvested Width: 6	FT	
% Standard Moisture: 15.5		Harvested Length: 25	FT	
Weighing Equipment:	_____			

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Pest Description

Pest 1 Type: W	Code: AMAPA	Amaranthus palmeri	Entry Date: Sep-20-22
	Common Name: Palmer amaranth		Stage Scale: BBCH
	Attributes: _____		Artificial Population: _
	Establishment Date: _____		Stage at Establishment: _____
	Establishment Rate: _____		
	Concentration: _____		
Establishment Method/Description: _____			
Crop: _____		Stage at Infestation: _____	

Pest 2 Type: W	Code: RAPRA	Raphanus raphanistrum	Entry Date: Sep-20-22
	Common Name: Wild radish		Stage Scale: BBCH
	Attributes: _____		Artificial Population: _
	Establishment Date: _____		Stage at Establishment: _____
	Establishment Rate: _____		
	Concentration: _____		
Establishment Method/Description: _____			
Crop: _____		Stage at Infestation: _____	

Pest 3 Type: _	Code: AGRASS		Entry Date: Sep-20-22
	Common Name: TXPANICUM/CRAB/GOOSE/CROW		Stage Scale: BBCH
	Attributes: _____		Artificial Population: _
	Establishment Date: _____		Stage at Establishment: _____
	Establishment Rate: _____		
	Concentration: _____		
Establishment Method/Description: _____			
Crop: _____		Stage at Infestation: _____	

Site and Design

Treated Plot Width: 6 FT	Site Type: FIELD field
Treated Plot Length: 25 FT	Experimental Unit: 1 PLOT plot
Treated Plot Area: 150.0 FT ²	Tillage Type: CONTIL conventional-till
Treatments: 12	Study Design: RACOB L Randomized Complete Block (RCB)
Replications: 4	
% Slope: _____	

Trial Initiation Comments:

1.5 TONS/A LIME-PREPLANT (03/16/22)
 700 LBS/A 5-15-30-PREPLANT (03/28/22)
 131-0-0-6 SIDEDRESS ON APRIL 21 AND MAY 4.
 AXILO BMZ @ 2 LBS/A ON APRIL 26

[illegible]

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Protocol ID: 22-EBU 07	Investigator (Creator): Eric P. Prostko
Project ID:	Study Director: Dr. Eric Prostko
	Sponsor Contact: 252-503-0204
Trial Year: 2022	
Comment:	
03/29/22: 0.4" irrigation (lateral move)	
03/31/22: 1.65" RAINFALL	
04/05/22: 1.36" RAINFALL	
04/06/22: 0.43" RAINFALL	
04/17/22: 0.16" RAINFALL	
04/18/22: 0.53" RAINFALL	
04/27/22:0.3" IRRIGATION	
04/28/22: 0.5" IRRIGATION	
05/02/22: 0.5" IRRIGATION	
05/03/22: 0.3" IRRIGATION	
05/05/22: 0.3" IRRIGATION	
05/06/22: 0.45" RAINFALL	
05/10/22: 0.38" IRRIGATION	
05/12/22: 0.4" IRRIGATION	
05/16/22: 0.5" IRRIGATION	
05/24/22: 0.5" IRRIGATION	
06/01/22: 0.6" IRRIGATION	
06/07?22: 0.5" IRRIGATION	

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Trial ID: CN-02-22 Location: GA Trial Year: 2022
 Protocol ID: 22-EBU 07 Investigator (Creator): Eric P. Prostko
 Project ID: Study Director: Dr. Eric Prostko
 Sponsor Contact: 252-503-0204

Application Description

	A
Application Date	Apr-20-22
Appl. Start Time	
Appl. Stop Time	7:57 AM
Application Method	SPRAY
Application Timing	POST
Application Placement	BROFOL
Applied By	CA
Appl. Entry Date	Sep-20-22
Air Temperature Start, Stop	, 46 F
% Relative Humidity Start, Stop	, 84
Wind Velocity+Dir. Start	2 MPH,
Wind Velocity+Dir. Stop	
Wind Velocity+Dir. Max	
Wet Leaves (Y/N)	
Soil Temperature	50 F
Soil Moisture	OPTIMUM
Soil Surface Condition	
% Cloud Cover	0
Next Moisture Occurred On	
Time to Next Moisture	
Moisture 6 Hours after Appl.	
Moisture 1 Week after Appl.	

Comment:

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Crop Stage At Each Application

	A
Crop 1 Code, BBCH Scale	ZEAMX, BCOR
Days after Emergence	
Stage Majority, Percent	V4, 100
Stage Minimum, Percent	
Stage Maximum, Percent	
Diameter Average	
Diameter Minimum, Maximum	
Height Average	7 IN
Height Minimum, Maximum	
Density Average	
Density Minimum, Maximum	
Coverage	

Pest Stage At Each Application

	A
Pest 1 Code, Type, Scale	AMAPA, W, BBCH
Stage Majority, Percent	
Stage Minimum, Percent	
Stage Maximum, Percent	
Diameter Average	
Diameter Minimum, Maximum	
Height Average	1.5 IN
Height Minimum, Maximum	1, 2
Density Average	
Density Minimum, Maximum	
Coverage	
Crop Part Attacked, Code	
Pest 2 Code, Type, Scale	RAPRA, W, BBCH
Stage Majority, Percent	4-6L,
Stage Minimum, Percent	

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Stage Maximum, Percent	
Diameter Average	
Diameter Minimum, Maximum	
Height Average	IN
Height Minimum, Maximum	1, 3
Density Average	
Density Minimum, Maximum	
Coverage	
Crop Part Attacked, Code	
Pest 3 Code, Type, Scale	AGRASS, , BBCH
Stage Majority, Percent	1-3L,
Stage Minimum, Percent	
Stage Maximum, Percent	
Diameter Average	
Diameter Minimum, Maximum	
Height Average	2 IN
Height Minimum, Maximum	1, 3
Density Average	
Density Minimum, Maximum	
Coverage	
Crop Part Attacked, Code	

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Application Equipment

	A
Appl. Equipment	BACKPACK
Equipment Type	POST
Operation Pressure	36 PSI
Nozzle Model	AIXR
Nozzle Type	11002
Nozzle TradeName	TEEJET
Nozzle Tip Size, Color	
Nozzle Spacing	20.0 IN
Nozzles/Row	
Band Width	
% Coverage	
Boom ID	
Boom Length	60.0 IN
Boom Height	20.0 IN
Ground Speed	3.5 MPH
Carrier	WATER
Water Hardness (ppm CaCO3)	
Application Amount	15 GAL/AC
Mix Overage	0 mL
Mix Size	1.5 L
Spray pH	
Propellant	COMCO2
Tank Mix (Y/N)	Y, yes

Equipment Comment:

Treatment Appl. Comments

Trt No Treatment Application Comment

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Notes

Context	Date	By	Notes
STATUS	Feb-11-22	Eric P. Prostko	Automatically added by ARM: Trial Status updated to 'S' during trial creation.
STATUS	Mar-28-22	Eric P. Prostko	Automatically added by ARM: Trial Status updated to 'E' when Date entered.

Deviations

No. 1: Date: _____ By: _____
Deviations:
Reasons:

SE Definitions

	1.
Rating Timing	
SE Name	
SE Description	
Part Rated	
Rating Type	
Rating Unit/Min/Max	
Sample Size	
Collection Basis	
Reporting Basis	
Number of Subsamples	
ARM Action Codes	
Pest Type, Code	
Crop Type, Code	

No. Task Comment

1. _____

Instructions:

Geographic Area/Environmental Considerations:

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Cropping Considerations:

Corn variety used in this trial should be one that is commonly used in the trial area and produces a consistent and high quality final product. Corn should be managed following normal agronomic procedures. Maintenance of corn should be kept consistent across all plots and replications. All treatments should be applied to corn at the V3/V4 growth stage. Treatments should be applied to corn with a height of no greater than 12-inches. ***Do not use Lorsban, Counter, Dyfonate, or Thimet in addition to these treatments because severe corn injury will occur.***

Data to Collect:

1. Percent weed control at 3, 7, 14, 21, 28, 35, 42, 59, and 56 days after treatment application.
2. Final yield of corn.
3. Any visual differences between treatments should be documented via digital photography.
4. All data should be submitted in ARM format and include a written explanation of results.

Statistical Analysis:

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Pest Name Crop Type, Code Crop Name Rating Date SE Name SE Description Part Rated Rating Type Rating Unit/Min/Max Data Entry Date Trt-Eval Interval							Zeama Apr-27-22	Zeama Apr-27-22	Zeama Apr-27-22	Amapa Apr-27-22	Rapra Apr-27-22	Agrass Apr-27-22	Molve Apr-27-22	C, ZEAMA Flour corn May-4-22	C, ZEAMA Flour corn May-4-22
							Stunting %, 0, 100 Apr-27-22 7 DA-A	Bleaching %, 0, 100 Apr-27-22 7 DA-A	Necrosis %, 0, 100 Apr-27-22 7 DA-A	Control %, 0, 100 Apr-27-22 7 DA-A	Control %, 0, 100 Apr-27-22 7 DA-A	Control %, 0, 100 Apr-27-22 7 DA-A	Control %, 0, 100 Apr-27-22 7 DA-A	Stunting %, 0, 100 May-4-22 14 DA-A	Bleaching %, 0, 100 May-4-22 14 DA-A
Trt No.	Treatment Type Name	Form Conc	Form Type	Rate Rate	Appl Unit	Appl Timing	1	2	3	4	5	6	7	8	9
1	HERB HM1821A	3.82 L		45 fl oz/a	POSPOS A		11.3 abc	18.8 a	0.0 a	99.0 a	99.0 a	98.0 a	99.0 a	5.0 a	12.5 b
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A										
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A										
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A										
2	HERB HM1821A	3.82 L		32 fl oz/a	POSPOS A		8.8 abc	13.8 bc	0.0 a	99.0 a	99.0 a	99.0 a	99.0 a	0.0 a	10.0 bcd
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A										
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A										
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A										
3	HERB HM1823	3.543 L		80 fl oz/a	POSPOS A		12.5 ab	17.5 ab	0.0 a	99.0 a	99.0 a	96.8 a	99.0 a	5.0 a	11.3 bc
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A										
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A										
4	HERB HM1824	3.448 L		80 fl oz/a	POSPOS A		8.8 abc	18.8 a	0.0 a	99.0 a	99.0 a	96.8 a	99.0 a	2.5 a	10.0 bcd
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A										
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A										
5	HERB Halex GT	4.39 L		58 fl oz/a	POSPOS A		8.8 abc	6.3 e	0.0 a	99.0 a	99.0 a	98.0 a	99.0 a	2.5 a	7.5 d
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A										
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A										
6	HERB Impact	2.8 L		0.75 fl oz/a	POSPOS A		8.8 abc	8.8 de	0.0 a	99.0 a	99.0 a	96.8 a	99.0 a	5.0 a	11.3 bc
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A										
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A										
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A										
7	HERB Armezon PRO	5.35 L		15 fl oz/a	POSPOS A		7.5 bc	5.0 e	0.0 a	99.0 a	99.0 a	99.0 a	99.0 a	5.0 a	2.5 e
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A										
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A										
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS 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 3,4,5,7,10,11,12,15,16 because error mean square = 0.

^Calculated from residual.

University of Georgia

Effects of Various Herbicide Systems on Weed Control in Corn when Applied E-Post (V3/V4)

Trial ID: CN-02-22 Location: GA Trial Year: 2022
 Protocol ID: 22-EBU 07 Investigator (Creator): Eric P. Prostko
 Project ID: Study Director: Dr. Eric Prostko
 Sponsor Contact: 252-503-0204

Pest Name										Amapa	Rapra	Agrass	Molve	C, ZEAMA	C, ZEAMA	
Crop Type, Code															Flour corn	Flour corn
Crop Name							Zeama	Zeama	Zeama	Apr-27-22	Apr-27-22	Apr-27-22	Apr-27-22		May-4-22	May-4-22
Rating Date																
SE Name																
SE Description																
Part Rated																
Rating Type																
Rating Unit/Min/Max																
Data Entry Date																
Trt-Eval Interval																
Trt	Treatment	Form	Form	Rate	Appl	Appl	1	2	3	4	5	6	7	8	9	
No.	Type	Name	Conc	Type	Rate	Unit	Timing	Code								
8	HERB Shieldex	3.33 L		1 fl oz/a	POS	POS	A		10.0 abc	18.8 a	0.0 a	99.0 a	99.0 a	99.0 a	16.3 a	
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POS	POS	A									
	HERB Atrazine	4 L		32 fl oz/a	POS	POS	A									
	ADJ HM9679A	99 L		16 fl oz/a	POS	POS	A									
9	HERB Laudis	3.5 L		3 fl oz/a	POS	POS	A		6.3 c	0.0 f	0.0 a	99.0 a	99.0 a	99.0 a	0.0 e	
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POS	POS	A									
	HERB Atrazine	4 L		32 fl oz/a	POS	POS	A									
	ADJ HM9679A	99 L		16 fl oz/a	POS	POS	A									
10	HERB Resicore	3.29 L		72 fl oz/a	POS	POS	A		13.8 a	11.3 cd	0.0 a	99.0 a	99.0 a	99.0 a	8.8 cd	
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POS	POS	A									
	HERB Atrazine	4 L		32 fl oz/a	POS	POS	A									
	ADJ HM9679A	99 L		16 fl oz/a	POS	POS	A									
11	HERB Acuron Flexi	3.26 L		64 fl oz/a	POS	POS	A		11.3 abc	16.3 ab	0.0 a	99.0 a	99.0 a	99.0 a	11.3 bc	
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POS	POS	A									
	HERB Atrazine	4 L		32 fl oz/a	POS	POS	A									
	ADJ HM9679A	99 L		16 fl oz/a	POS	POS	A									
12	NTC							0.0 d	0.0 f	0.0 a	0.0 b	0.0 b	0.0 b	0.0 b	0.0 a	0.0 e
LSD P=.10								6.01	3.78	.	.	.	2.97	.	6.86	3.01
Standard Deviation								5.02	3.16	0.00	0.00	0.00	2.48	0.00	5.73	2.52
CV								56.02	28.07	0.0	0.0	0.0	2.75	0.0	125.01	29.82
Grand Mean								8.96	11.25	0.00	90.75	90.75	90.02	90.75	4.58	8.44
Bartlett's X2^								5.404	13.445	.	.	.	68.475	.	10.971	19.903
P(Bartlett's X2)								0.91	0.265	.	.	.	0.00*	.	0.446	0.047*

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

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Could not calculate LSD (% mean diff) for columns 3,4,5,7,10,11,12,15,16 because error mean square = 0.

^Calculated from residual.

University of Georgia

Effects of Various Herbicide Systems on Weed Control in Corn when Applied E-Post (V3/V4)

Trial ID: CN-02-22 Location: GA Trial Year: 2022
 Protocol ID: 22-EBU 07 Investigator (Creator): Eric P. Prostko
 Project ID: Study Director: Dr. Eric Prostko
 Sponsor Contact: 252-503-0204

Pest Name Crop Type, Code Crop Name Rating Date SE Name SE Description Part Rated Rating Type Rating Unit/Min/Max Data Entry Date Trt-Eval Interval							C, ZEAMA Flour corn May-4-22	Amapa May-4-22	Rapra May-4-22	Agrass May-4-22	C, ZEAMA Flour corn May-17-22	Amapa May-17-22	Rapra May-17-22	Agrass May-17-22	Amapa Jun-8-22
							Necrosis %, 0, 100 May-4-22 14 DA-A	Control %, 0, 100 May-4-22 14 DA-A	Control %, 0, 100 May-4-22 14 DA-A	Control %, 0, 100 May-4-22 14 DA-A	Plant, C Stunting %, 0, 100 May-17-22 27 DA-A	Control %, 0, 100 May-17-22 27 DA-A	Control %, 0, 100 May-17-22 27 DA-A	Control %, 0, 100 May-17-22 27 DA-A	Control %, 0, 100 Jun-8-22 49 DA-A
Trt No.	Treatment Type Name	Form Conc	Form Type	Rate Rate	Appl Unit	Appl Timing	10	11	12	13	14	15	16	17	18
1	HERB HM1821A	3.82	L	45 fl oz/a	POSPOS A		0.0 a	99.0 a	99.0 a	99.0 a	6.3 a	99.0 a	99.0 a	98.0 ab	100.0 a
	HERB Roundup PowerMax3	5.88	L	22 fl oz/a	POSPOS A										
	HERB Atrazine	4	L	32 fl oz/a	POSPOS A										
	ADJ HM9679A	99	L	16 fl oz/a	POSPOS A										
2	HERB HM1821A	3.82	L	32 fl oz/a	POSPOS A		0.0 a	99.0 a	99.0 a	95.5 b	6.3 a	99.0 a	99.0 a	95.5 ab	98.8 a
	HERB Roundup PowerMax3	5.88	L	22 fl oz/a	POSPOS A										
	HERB Atrazine	4	L	32 fl oz/a	POSPOS A										
	ADJ HM9679A	99	L	16 fl oz/a	POSPOS A										
3	HERB HM1823	3.543	L	80 fl oz/a	POSPOS A		0.0 a	99.0 a	99.0 a	98.0 ab	11.3 a	99.0 a	99.0 a	95.8 ab	98.8 a
	HERB Roundup PowerMax3	5.88	L	22 fl oz/a	POSPOS A										
	ADJ HM9679A	99	L	16 fl oz/a	POSPOS A										
4	HERB HM1824	3.448	L	80 fl oz/a	POSPOS A		0.0 a	99.0 a	99.0 a	98.0 ab	8.8 a	99.0 a	99.0 a	94.5 b	98.8 a
	HERB Roundup PowerMax3	5.88	L	22 fl oz/a	POSPOS A										
	ADJ HM9679A	99	L	16 fl oz/a	POSPOS A										
5	HERB Halex GT	4.39	L	58 fl oz/a	POSPOS A		0.0 a	99.0 a	99.0 a	98.0 ab	6.3 a	99.0 a	99.0 a	96.8 ab	98.8 a
	HERB Atrazine	4	L	32 fl oz/a	POSPOS A										
	ADJ HM9679A	99	L	16 fl oz/a	POSPOS A										
6	HERB Impact	2.8	L	0.75 fl oz/a	POSPOS A		0.0 a	99.0 a	99.0 a	99.0 a	6.3 a	99.0 a	99.0 a	93.8 b	75.0 c
	HERB Roundup PowerMax3	5.88	L	22 fl oz/a	POSPOS A										
	HERB Atrazine	4	L	32 fl oz/a	POSPOS A										
	ADJ HM9679A	99	L	16 fl oz/a	POSPOS A										
7	HERB Armezon PRO	5.35	L	15 fl oz/a	POSPOS A		0.0 a	99.0 a	99.0 a	99.0 a	3.8 a	99.0 a	99.0 a	98.0 ab	87.5 b
	HERB Roundup PowerMax3	5.88	L	22 fl oz/a	POSPOS A										
	HERB Atrazine	4	L	32 fl oz/a	POSPOS A										
	ADJ HM9679A	99	L	16 fl oz/a	POSPOS 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 3,4,5,7,10,11,12,15,16 because error mean square = 0.

^Calculated from residual.

University of Georgia

Effects of Various Herbicide Systems on Weed Control in Corn when Applied E-Post (V3/V4)

Trial ID: CN-02-22 Location: GA Trial Year: 2022
 Protocol ID: 22-EBU 07 Investigator (Creator): Eric P. Prostko
 Project ID: Study Director: Dr. Eric Prostko
 Sponsor Contact: 252-503-0204

Pest Name							C, ZEAMA Flour corn May-4-22	Amapa May-4-22	Rapra May-4-22	Agrass May-4-22	C, ZEAMA Flour corn May-17-22	Amapa May-17-22	Rapra May-17-22	Agrass May-17-22	Amapa Jun-8-22
Crop Type, Code															
Crop Name															
Rating Date															
SE Name															
SE Description															
Part Rated															
Rating Type															
Rating Unit/Min/Max															
Data Entry Date															
Trt-Eval Interval															
Trt No.	Treatment Type	Form Conc	Form Type	Rate	Appl Unit	Appl Timing	10	11	12	13	14	15	16	17	18
8	HERB Shieldex	3.33 L		1 fl oz/a	POS	POS A	0.0 a	99.0 a	99.0 a	98.0 ab	6.3 a	99.0 a	99.0 a	93.8 b	81.3 bc
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POS	POS A									
	HERB Atrazine	4 L		32 fl oz/a	POS	POS A									
	ADJ HM9679A	99 L		16 fl oz/a	POS	POS A									
9	HERB Laudis	3.5 L		3 fl oz/a	POS	POS A	0.0 a	99.0 a	99.0 a	98.0 ab	6.3 a	99.0 a	99.0 a	99.0 a	78.8 c
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POS	POS A									
	HERB Atrazine	4 L		32 fl oz/a	POS	POS A									
	ADJ HM9679A	99 L		16 fl oz/a	POS	POS A									
10	HERB Resicore	3.29 L		72 fl oz/a	POS	POS A	0.0 a	99.0 a	99.0 a	99.0 a	10.0 a	99.0 a	99.0 a	97.0 ab	95.0 a
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POS	POS A									
	HERB Atrazine	4 L		32 fl oz/a	POS	POS A									
	ADJ HM9679A	99 L		16 fl oz/a	POS	POS A									
11	HERB Acuron Flexi	3.26 L		64 fl oz/a	POS	POS A	0.0 a	99.0 a	99.0 a	99.0 a	5.0 a	99.0 a	99.0 a	99.0 a	97.5 a
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POS	POS A									
	HERB Atrazine	4 L		32 fl oz/a	POS	POS A									
	ADJ HM9679A	99 L		16 fl oz/a	POS	POS A									
12	NTC						0.0 a	0.0 b	0.0 b	0.0 c	0.0 a	0.0 b	0.0 b	0.0 c	0.0 d
LSD P=.10							.	.	.	2.93	5.63	.	.	4.35	6.31
Standard Deviation							0.00	0.00	0.00	2.45	4.70	0.00	0.00	3.64	5.27
CV							0.0	0.0	0.0	2.72	74.0	0.0	0.0	4.11	6.26
Grand Mean							0.00	90.75	90.75	90.04	6.35	90.75	90.75	88.42	84.17
Bartlett's X2^							.	.	.	47.81	6.93	.	.	24.795	29.215
P(Bartlett's X2)							.	.	.	0.00*	0.805	.	.	0.01*	0.002*

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 3,4,5,7,10,11,12,15,16 because error mean square = 0.

^Calculated from residual.

University of Georgia

Effects of Various Herbicide Systems on Weed Control in Corn when Applied E-Post (V3/V4)

Trial ID: CN-02-22 Location: GA Trial Year: 2022
 Protocol ID: 22-EBU 07 Investigator (Creator): Eric P. Prostko
 Project ID: Study Director: Dr. Eric Prostko
 Sponsor Contact: 252-503-0204

Pest Name						Agrass		
Crop Type, Code							ZEAM	ZEAM
Crop Name							Aug-31-22	Aug-31-22
Rating Date						Jun-8-22		
SE Name							YIELD	YIELD
SE Description								
Part Rated								
Rating Type						Control	LBS/PLOT	YIELD
Rating Unit/Min/Max						%, 0, 100		BU/A, -, -
Data Entry Date						Jun-8-22	Aug-31-22	
Trt-Eval Interval						49 DA-A	133 DA-A	133 DA-A
Trt No.	Treatment Type	Form Conc	Form Type	Rate Rate	Unit Unit	Appl Timing	Appl Code	
1	HERB HM1821A	3.82 L		45 fl oz/a	POSPOS A			
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A			
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A			
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A			
						91.3 abc	37.0 a	189.3 a
2	HERB HM1821A	3.82 L		32 fl oz/a	POSPOS A			
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A			
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A			
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A			
						85.0 bc	35.3 a	180.4 a
3	HERB HM1823	3.543 L		80 fl oz/a	POSPOS A			
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A			
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A			
						86.3 bc	34.8 a	177.8 a
4	HERB HM1824	3.448 L		80 fl oz/a	POSPOS A			
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A			
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A			
						88.8 abc	36.5 a	186.7 a
5	HERB Halex GT	4.39 L		58 fl oz/a	POSPOS A			
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A			
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A			
						92.5 ab	35.8 a	182.9 a
6	HERB Impact	2.8 L		0.75 fl oz/a	POSPOS A			
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A			
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A			
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A			
						76.3 de	35.3 a	180.4 a
7	HERB Armezon PRO	5.35 L		15 fl oz/a	POSPOS A			
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A			
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A			
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A			
						86.3 bc	34.5 a	176.5 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 3,4,5,7,10,11,12,15,16 because error mean square = 0.

^Calculated from residual.

University of Georgia

Effects of Various Herbicide Systems on Weed Control in Corn when Applied E-Post (V3/V4)

Trial ID: CN-02-22 Location: GA Trial Year: 2022
 Protocol ID: 22-EBU 07 Investigator (Creator): Eric P. Prostko
 Project ID: Study Director: Dr. Eric Prostko
 Sponsor Contact: 252-503-0204

Pest Name						Agrass		
Crop Type, Code							ZEAM	ZEAM
Crop Name								
Rating Date						Jun-8-22	Aug-31-22	Aug-31-22
SE Name								
SE Description							YIELD	YIELD
Part Rated								
Rating Type						Control	LBS/PLOT	YIELD
Rating Unit/Min/Max						%, 0, 100		BU/A, -, -
Data Entry Date						Jun-8-22	Aug-31-22	
Trt-Eval Interval						49 DA-A	133 DA-A	133 DA-A
Trt No.	Treatment Type	Form Conc	Form Type	Rate Rate	Appl Unit	Appl Timing	Code	
8	HERB Shieldex	3.33 L		1 fl oz/a	POSPOS A			
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A			
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A			
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A			
						72.5 e	33.3 a	170.1 a
9	HERB Laudis	3.5 L		3 fl oz/a	POSPOS A			
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A			
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A			
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A			
						72.5 e	34.3 a	175.2 a
10	HERB Resicore	3.29 L		72 fl oz/a	POSPOS A			
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A			
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A			
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A			
						83.8 cd	33.3 a	170.1 a
11	HERB Acuron Flexi	3.26 L		64 fl oz/a	POSPOS A			
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A			
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A			
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A			
						95.0 a	35.8 a	182.9 a
12	NTC							
						0.0 f	23.3 b	119.0 b
LSD P=.10						7.79	3.82	19.55
Standard Deviation						6.51	3.19	16.34
CV						8.4	9.38	9.38
Grand Mean						77.50	34.06	174.28
Bartlett's X2^						16.861	17.361	17.361
P(Bartlett's X2)						0.112	0.098	0.098

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 3,4,5,7,10,11,12,15,16 because error mean square = 0.

^Calculated from residual.

University of Georgia

Effects of Various Herbicide Systems on Weed Control in Corn when Applied E-Post (V3/V4)

Trial ID: CN-02-22 Location: GA Trial Year: 2022
 Protocol ID: 22-EBU 07 Investigator (Creator): Eric P. Prostko
 Project ID: Study Director: Dr. Eric Prostko
 Sponsor Contact: 252-503-0204

Randomized Complete Block (RCB) AOV For Zeama Apr-27-22 Stunting % 0 100 Apr-27-22 7 DA-A (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	1597.916667			
Replicate	3	218.750000	72.916667	2.895	0.0498
Treatment	11	547.916667	49.810606	1.977	0.0643
Error	33	831.250000	25.189394		

Randomized Complete Block (RCB) AOV For Zeama Apr-27-22 Bleaching % 0 100 Apr-27-22 7 DA-A (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	2675.000000			
Replicate	3	95.833333	31.944444	3.203	0.0358
Treatment	11	2250.000000	204.545455	20.506	0.0001
Error	33	329.166667	9.974747		

Randomized Complete Block (RCB) AOV For Zeama Apr-27-22 Necrosis % 0 100 Apr-27-22 7 DA-A (Data Column 3)

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 Apr-27-22 Control % 0 100 Apr-27-22 7 DA-A (Data Column 4)

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 Rapra Apr-27-22 Control % 0 100 Apr-27-22 7 DA-A (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35937.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	11	35937.000000	3267.000000	0.000	1.0000
Error	33	0.000000	0.000000		

Randomized Complete Block (RCB) AOV For Agrass Apr-27-22 Control % 0 100 Apr-27-22 7 DA-A (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35608.979167			
Replicate	3	3.395833	1.131944	0.184	0.9064
Treatment	11	35402.729167	3218.429924	523.569	0.0001
Error	33	202.854167	6.147096		

Randomized Complete Block (RCB) AOV For Molve Apr-27-22 Control % 0 100 Apr-27-22 7 DA-A (Data Column 7)

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		

University of Georgia

Effects of Various Herbicide Systems on Weed Control in Corn when Applied E-Post (V3/V4)

Trial ID: CN-02-22 Location: GA Trial Year: 2022
 Protocol ID: 22-EBU 07 Investigator (Creator): Eric P. Prostko
 Project ID: Study Director: Dr. Eric Prostko
 Sponsor Contact: 252-503-0204

Randomized Complete Block (RCB) AOV For C ZEAMA Flour corn May-4-22 Stunting % 0 100 May-4-22 14 DA-A (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	1741.666667			
Replicate	3	279.166667	93.055556	2.835	0.0532
Treatment	11	379.166667	34.469697	1.050	0.4282
Error	33	1083.333333	32.828283		

Randomized Complete Block (RCB) AOV For C ZEAMA Flour corn May-4-22 Bleaching % 0 100 May-4-22 14 DA-A (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	1357.812500			
Replicate	3	9.895833	3.298611	0.521	0.6707
Treatment	11	1139.062500	103.551136	16.362	0.0001
Error	33	208.854167	6.328914		

Randomized Complete Block (RCB) AOV For C ZEAMA Flour corn May-4-22 Necrosis % 0 100 May-4-22 14 DA-A (Data Column 10)

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 May-4-22 Control % 0 100 May-4-22 14 DA-A (Data Column 11)

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 Rapra May-4-22 Control % 0 100 May-4-22 14 DA-A (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35937.000000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	11	35937.000000	3267.000000	0.000	1.0000
Error	33	0.000000	0.000000		

Randomized Complete Block (RCB) AOV For Agrass May-4-22 Control % 0 100 May-4-22 14 DA-A (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35627.916667			
Replicate	3	9.583333	3.194444	0.534	0.6622
Treatment	11	35420.916667	3220.083333	538.266	0.0001
Error	33	197.416667	5.982323		

Randomized Complete Block (RCB) AOV For C ZEAMA Flour corn May-17-22 Plant C Stunting % 0 100 May-17-22 27 DA-A (Data Column 14)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	1536.979167			
Replicate	3	439.062500	146.354167	6.619	0.0013
Treatment	11	368.229167	33.475379	1.514	0.1733
Error	33	729.687500	22.111742		

Effects of Various Herbicide Systems on Weed Control in Corn when Applied E-Post (V3/V4)						
Trial ID: CN-02-22		Location: GA		Trial Year: 2022		
Protocol ID: 22-EBU 07		Investigator (Creator): Eric P. Prostko				
Project ID:		Study Director: Dr. Eric Prostko				
Sponsor Contact: 252-503-0204						
Randomized Complete Block (RCB) AOV For Amapa May-17-22 Control % 0 100 May-17-22 27 DA-A (Data Column 15)						
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 Rapra May-17-22 Control % 0 100 May-17-22 27 DA-A (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	35937.000000				
Replicate	3	0.000000	0.000000	0.000	1.0000	
Treatment	11	35937.000000	3267.000000	0.000	1.0000	
Error	33	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For Agrass May-17-22 Control % 0 100 May-17-22 27 DA-A (Data Column 17)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	34735.666667				
Replicate	3	34.500000	11.500000	0.869	0.4667	
Treatment	11	34264.666667	3114.969697	235.496	0.0001	
Error	33	436.500000	13.227273			
Randomized Complete Block (RCB) AOV For Amapa Jun-8-22 Control % 0 100 Jun-8-22 49 DA-A (Data Column 18)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	35416.666667				
Replicate	3	45.833333	15.277778	0.550	0.6517	
Treatment	11	34454.166667	3132.196970	112.759	0.0001	
Error	33	916.666667	27.777778			
Randomized Complete Block (RCB) AOV For Agrass Jun-8-22 Control % 0 100 Jun-8-22 49 DA-A (Data Column 19)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	30100.000000				
Replicate	3	87.500000	29.166667	0.688	0.5661	
Treatment	11	28612.500000	2601.136364	61.313	0.0001	
Error	33	1400.000000	42.424242			
Randomized Complete Block (RCB) AOV For ZEAM Aug-31-22 YIELD LBS/PLOT Aug-31-22 133 DA-A (Data Column 20)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	1162.812500				
Replicate	3	258.229167	86.076389	8.441	0.0003	
Treatment	11	568.062500	51.642045	5.064	0.0001	
Error	33	336.520833	10.197601			
Randomized Complete Block (RCB) AOV For ZEAM Aug-31-22 YIELD YIELD BU/A 133 DA-A (Data Column 21)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	30439.186824				
Replicate	3	6759.719084	2253.239695	8.441	0.0003	
Treatment	11	14870.291268	1351.844661	5.064	0.0001	
Error	33	8809.176472	266.944742			
Crop Type, Code						
C = EPPO species (Bayer) codes						
Zeama = IIS						

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Effects of Various Herbicide Systems on Weed Control in Corn when Applied E-Post (V3/V4)	
Trial ID: CN-02-22	Location: GA
Protocol ID: 22-EBU 07	Investigator (Creator): Eric P. Prostko
Project ID:	Study Director: Dr. Eric Prostko
	Sponsor Contact: 252-503-0204
Trial Year: 2022	
ZEAMA, BCOR, Zea mays amylacea, Flour corn = US	
, , , ZEAM = US	
<u>Part Rated</u>	
Plant = plant	
C = Crop is Part Rated	
<u>Rating Type</u>	
YIELD = yield	
<u>Rating Unit/Min/Max</u>	
%, 0, 100 = percent	
<u>ARM Action Codes</u>	
TY1 = 5.11636686*[20]	

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Effects of Various Herbicide Systems on Weed Control in Corn when Applied E-Post (V3/V4)

Trial ID: CN-02-22 Location: GA Trial Year: 2022
 Protocol ID: 22-EBU 07 Investigator (Creator): Eric P. Prostko
 Project ID: Study Director: Dr. Eric Prostko
 Sponsor Contact: 252-503-0204

Pest Name Crop Type, Code Crop Name Rating Date SE Name SE Description Part Rated Rating Type Rating Unit/Min/Max Data Entry Date Trt-Eval Interval							Zeama Apr-27-22	Zeama Apr-27-22	Zeama Apr-27-22	Amapa Apr-27-22	Rapra Apr-27-22	Agrass Apr-27-22	Molve Apr-27-22	C, ZEAMA Flour corn May-4-22		
							Stunting %, 0, 100 Apr-27-22 7 DA-A	Bleaching %, 0, 100 Apr-27-22 7 DA-A	Necrosis %, 0, 100 Apr-27-22 7 DA-A	Control %, 0, 100 Apr-27-22 7 DA-A	Control %, 0, 100 Apr-27-22 7 DA-A	Control %, 0, 100 Apr-27-22 7 DA-A	Control %, 0, 100 Apr-27-22 7 DA-A	Stunting %, 0, 100 May-4-22 14 DA-A		
Trt No.	Treatment Type Name	Form Conc	Form Type	Rate Rate	Appl Unit	Appl Timing	Appl Code	Plot	1	2	3	4	5	6	7	8
1	HERB HM1821A	3.82	L	45 fl oz/a	POS	POS	A	101	10.0	20.0	0.0	99.0	99.0	95.0	99.0	10.0
	HERB Roundup PowerMax3	5.88	L	22 fl oz/a	POS	POS	A	204	10.0	20.0	0.0	99.0	99.0	99.0	99.0	0.0
	HERB Atrazine	4	L	32 fl oz/a	POS	POS	A	308	10.0	20.0	0.0	99.0	99.0	99.0	99.0	0.0
	ADJ HM9679A	99	L	16 fl oz/a	POS	POS	A	406	15.0	15.0	0.0	99.0	99.0	99.0	99.0	10.0
								Mean =	11.3	18.8	0.0	99.0	99.0	98.0	99.0	5.0
2	HERB HM1821A	3.82	L	32 fl oz/a	POS	POS	A	102	10.0	15.0	0.0	99.0	99.0	99.0	99.0	0.0
	HERB Roundup PowerMax3	5.88	L	22 fl oz/a	POS	POS	A	206	15.0	20.0	0.0	99.0	99.0	99.0	99.0	0.0
	HERB Atrazine	4	L	32 fl oz/a	POS	POS	A	303	0.0	10.0	0.0	99.0	99.0	99.0	99.0	0.0
	ADJ HM9679A	99	L	16 fl oz/a	POS	POS	A	411	10.0	10.0	0.0	99.0	99.0	99.0	99.0	0.0
								Mean =	8.8	13.8	0.0	99.0	99.0	99.0	99.0	0.0
3	HERB HM1823	3.543	L	80 fl oz/a	POS	POS	A	103	10.0	20.0	0.0	99.0	99.0	90.0	99.0	0.0
	HERB Roundup PowerMax3	5.88	L	22 fl oz/a	POS	POS	A	208	10.0	20.0	0.0	99.0	99.0	99.0	99.0	0.0
	ADJ HM9679A	99	L	16 fl oz/a	POS	POS	A	302	10.0	15.0	0.0	99.0	99.0	99.0	99.0	0.0
								409	20.0	15.0	0.0	99.0	99.0	99.0	99.0	20.0
								Mean =	12.5	17.5	0.0	99.0	99.0	96.8	99.0	5.0
4	HERB HM1824	3.448	L	80 fl oz/a	POS	POS	A	104	10.0	20.0	0.0	99.0	99.0	99.0	99.0	0.0
	HERB Roundup PowerMax3	5.88	L	22 fl oz/a	POS	POS	A	207	15.0	20.0	0.0	99.0	99.0	99.0	99.0	0.0
	ADJ HM9679A	99	L	16 fl oz/a	POS	POS	A	304	0.0	20.0	0.0	99.0	99.0	90.0	99.0	0.0
								410	10.0	15.0	0.0	99.0	99.0	99.0	99.0	10.0
								Mean =	8.8	18.8	0.0	99.0	99.0	96.8	99.0	2.5
5	HERB Halex GT	4.39	L	58 fl oz/a	POS	POS	A	105	15.0	5.0	0.0	99.0	99.0	99.0	99.0	10.0
	HERB Atrazine	4	L	32 fl oz/a	POS	POS	A	203	10.0	10.0	0.0	99.0	99.0	95.0	99.0	0.0
	ADJ HM9679A	99	L	16 fl oz/a	POS	POS	A	307	0.0	5.0	0.0	99.0	99.0	99.0	99.0	0.0
								412	10.0	5.0	0.0	99.0	99.0	99.0	99.0	0.0
								Mean =	8.8	6.3	0.0	99.0	99.0	98.0	99.0	2.5
6	HERB Impact	2.8	L	0.75 fl oz/a	POS	POS	A	106	10.0	10.0	0.0	99.0	99.0	99.0	99.0	10.0
	HERB Roundup PowerMax3	5.88	L	22 fl oz/a	POS	POS	A	205	10.0	15.0	0.0	99.0	99.0	99.0	99.0	0.0
	HERB Atrazine	4	L	32 fl oz/a	POS	POS	A	311	0.0	5.0	0.0	99.0	99.0	99.0	99.0	0.0
	ADJ HM9679A	99	L	16 fl oz/a	POS	POS	A	405	15.0	5.0	0.0	99.0	99.0	90.0	99.0	10.0
								Mean =	8.8	8.8	0.0	99.0	99.0	96.8	99.0	5.0

Effects of Various Herbicide Systems on Weed Control in Corn when Applied E-Post (V3/V4)

Trial ID: CN-02-22 Location: GA
Protocol ID: 22-EBU 07 Investigator (Creator): Eric P. Prostko
Project ID: Study Director: Dr. Eric Prostko
Sponsor Contact: 252-503-0204

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Effects of Various Herbicide Systems on Weed Control in Corn when Applied E-Post (V3/V4)

Trial ID: CN-02-22 Location: GA Trial Year: 2022
 Protocol ID: 22-EBU 07 Investigator (Creator): Eric P. Prostko
 Project ID: Study Director: Dr. Eric Prostko
 Sponsor Contact: 252-503-0204

Pest Name Crop Type, Code Crop Name Rating Date SE Name SE Description Part Rated Rating Type Rating Unit/Min/Max Data Entry Date Trt-Eval Interval								C, ZEAMA Flour corn May-4-22	C, ZEAMA Flour corn May-4-22	Amapa May-4-22	Rapra May-4-22	Agrass May-4-22	C, ZEAMA Flour corn May-17-22	Amapa May-17-22	Rapra May-17-22		
								Bleaching %, 0, 100 May-4-22 14 DA-A	Necrosis %, 0, 100 May-4-22 14 DA-A	Control %, 0, 100 May-4-22 14 DA-A	Control %, 0, 100 May-4-22 14 DA-A	Control %, 0, 100 May-4-22 14 DA-A	Plant, C Stunting %, 0, 100 May-17-22 27 DA-A	Control %, 0, 100 May-17-22 27 DA-A	Control %, 0, 100 May-17-22 27 DA-A		
Trt	Treatment	Form	Form	Rate	Appl	Appl											
No.	Type	Name	Conc	Type	Rate	Unit	Timing	Code	Plot	9	10	11	12	13	14	15	16
1	HERB	HM1821A	3.82	L	45 fl oz/a	POS	POS A	101		15.0	0.0	99.0	99.0	99.0	10.0	99.0	99.0
	HERB	Roundup PowerMax3	5.88	L	22 fl oz/a	POS	POS A	204		10.0	0.0	99.0	99.0	99.0	10.0	99.0	99.0
	HERB	Atrazine	4	L	32 fl oz/a	POS	POS A	308		15.0	0.0	99.0	99.0	99.0	0.0	99.0	99.0
	ADJ	HM9679A	99	L	16 fl oz/a	POS	POS A	406		10.0	0.0	99.0	99.0	99.0	5.0	99.0	99.0
								Mean =		12.5	0.0	99.0	99.0	99.0	6.3	99.0	99.0
2	HERB	HM1821A	3.82	L	32 fl oz/a	POS	POS A	102		10.0	0.0	99.0	99.0	85.0	10.0	99.0	99.0
	HERB	Roundup PowerMax3	5.88	L	22 fl oz/a	POS	POS A	206		10.0	0.0	99.0	99.0	99.0	15.0	99.0	99.0
	HERB	Atrazine	4	L	32 fl oz/a	POS	POS A	303		10.0	0.0	99.0	99.0	99.0	0.0	99.0	99.0
	ADJ	HM9679A	99	L	16 fl oz/a	POS	POS A	411		10.0	0.0	99.0	99.0	99.0	0.0	99.0	99.0
								Mean =		10.0	0.0	99.0	99.0	95.5	6.3	99.0	99.0
3	HERB	HM1823	3.543	L	80 fl oz/a	POS	POS A	103		10.0	0.0	99.0	99.0	99.0	10.0	99.0	99.0
	HERB	Roundup PowerMax3	5.88	L	22 fl oz/a	POS	POS A	208		10.0	0.0	99.0	99.0	99.0	10.0	99.0	99.0
	ADJ	HM9679A	99	L	16 fl oz/a	POS	POS A	302		10.0	0.0	99.0	99.0	95.0	10.0	99.0	99.0
								409		15.0	0.0	99.0	99.0	99.0	15.0	99.0	99.0
								Mean =		11.3	0.0	99.0	99.0	98.0	11.3	99.0	99.0
4	HERB	HM1824	3.448	L	80 fl oz/a	POS	POS A	104		10.0	0.0	99.0	99.0	99.0	10.0	99.0	99.0
	HERB	Roundup PowerMax3	5.88	L	22 fl oz/a	POS	POS A	207		5.0	0.0	99.0	99.0	99.0	10.0	99.0	99.0
	ADJ	HM9679A	99	L	16 fl oz/a	POS	POS A	304		10.0	0.0	99.0	99.0	95.0	0.0	99.0	99.0
								410		15.0	0.0	99.0	99.0	99.0	15.0	99.0	99.0
								Mean =		10.0	0.0	99.0	99.0	98.0	8.8	99.0	99.0
5	HERB	Halex GT	4.39	L	58 fl oz/a	POS	POS A	105		5.0	0.0	99.0	99.0	99.0	15.0	99.0	99.0
	HERB	Atrazine	4	L	32 fl oz/a	POS	POS A	203		10.0	0.0	99.0	99.0	99.0	10.0	99.0	99.0
	ADJ	HM9679A	99	L	16 fl oz/a	POS	POS A	307		10.0	0.0	99.0	99.0	99.0	0.0	99.0	99.0
								412		5.0	0.0	99.0	99.0	95.0	0.0	99.0	99.0
								Mean =		7.5	0.0	99.0	99.0	98.0	6.3	99.0	99.0
6	HERB	Impact	2.8	L	0.75 fl oz/a	POS	POS A	106		10.0	0.0	99.0	99.0	99.0	15.0	99.0	99.0
	HERB	Roundup PowerMax3	5.88	L	22 fl oz/a	POS	POS A	205		15.0	0.0	99.0	99.0	99.0	10.0	99.0	99.0
	HERB	Atrazine	4	L	32 fl oz/a	POS	POS A	311		10.0	0.0	99.0	99.0	99.0	0.0	99.0	99.0
	ADJ	HM9679A	99	L	16 fl oz/a	POS	POS A	405		10.0	0.0	99.0	99.0	99.0	0.0	99.0	99.0
								Mean =		11.3	0.0	99.0	99.0	99.0	6.3	99.0	99.0

University of Georgia

Effects of Various Herbicide Systems on Weed Control in Corn when Applied E-Post (V3/V4)

Trial ID: CN-02-22	Location: GA
Protocol ID: 22-EBU 07	Investigator (Creator): Eric P. Prostko
Project ID:	Study Director: Dr. Eric Prostko
	Sponsor Contact: 252-503-0204

Pest Name Crop Type, Code Crop Name Rating Date SE Name SE Description Part Rated Rating Type Rating Unit/Min/Max Data Entry Date Trt-Eval Interval								Agrass	Amapa	Agrass		
								May-17-22	Jun-8-22	Jun-8-22	ZEAM Aug-31-22	ZEAM Aug-31-22
											YIELD	YIELD
								Control %, 0, 100 May-17-22 27 DA-A	Control %, 0, 100 Jun-8-22 49 DA-A	Control %, 0, 100 Jun-8-22 49 DA-A	LBS/PLOT Aug-31-22 133 DA-A	YIELD BU/A, -, - 133 DA-A
Trt No.	Treatment Type	Form Conc	Form Type	Rate Unit	Appl Timing	Appl Code	Plot	17	18	19	20	21
1	HERB HM1821A	3.82 L		45 fl oz/a	POSPOS A	101		95.0	100.0	85.0	35.0	179.1
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A	204		99.0	100.0	90.0	37.0	189.3
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A	308		99.0	100.0	95.0	37.0	189.3
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A	406		99.0	100.0	95.0	39.0	199.5
						Mean =		98.0	100.0	91.3	37.0	189.3
2	HERB HM1821A	3.82 L		32 fl oz/a	POSPOS A	102		85.0	100.0	75.0	33.0	168.8
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A	206		99.0	95.0	95.0	32.0	163.7
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A	303		99.0	100.0	85.0	38.0	194.4
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A	411		99.0	100.0	85.0	38.0	194.4
						Mean =		95.5	98.8	85.0	35.3	180.4
3	HERB HM1823	3.543 L		80 fl oz/a	POSPOS A	103		95.0	100.0	90.0	29.0	148.4
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A	208		99.0	100.0	90.0	37.0	189.3
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A	302		90.0	100.0	80.0	37.0	189.3
						409		99.0	95.0	85.0	36.0	184.2
						Mean =		95.8	98.8	86.3	34.8	177.8
4	HERB HM1824	3.448 L		80 fl oz/a	POSPOS A	104		99.0	100.0	95.0	32.0	163.7
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A	207		99.0	100.0	95.0	35.0	179.1
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A	304		85.0	100.0	70.0	43.0	220.0
						410		95.0	95.0	95.0	36.0	184.2
						Mean =		94.5	98.8	88.8	36.5	186.7
5	HERB Halex GT	4.39 L		58 fl oz/a	POSPOS A	105		99.0	100.0	95.0	32.0	163.7
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A	203		99.0	95.0	95.0	34.0	174.0
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A	307		99.0	100.0	95.0	41.0	209.8
						412		90.0	100.0	85.0	36.0	184.2
						Mean =		96.8	98.8	92.5	35.8	182.9
6	HERB Impact	2.8 L		0.75 fl oz/a	POSPOS A	106		95.0	75.0	80.0	30.0	153.5
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A	205		95.0	70.0	70.0	38.0	194.4
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A	311		90.0	65.0	75.0	34.0	174.0
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A	405		95.0	90.0	80.0	39.0	199.5
						Mean =		93.8	75.0	76.3	35.3	180.4

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Effects of Various Herbicide Systems on Weed Control in Corn when Applied E-Post (V3/V4)

Trial ID: CN-02-22 Location: GA Trial Year: 2022
 Protocol ID: 22-EBU 07 Investigator (Creator): Eric P. Prostko
 Project ID: Study Director: Dr. Eric Prostko
 Sponsor Contact: 252-503-0204

Pest Name								Agrass	Amapa	Agrass		
Crop Type, Code											ZEAM	ZEAM
Crop Name											Aug-31-22	Aug-31-22
Rating Date								May-17-22	Jun-8-22	Jun-8-22		
SE Name												
SE Description											YIELD	YIELD
Part Rated												
Rating Type								Control	Control	Control	LBS/PLOT	YIELD
Rating Unit/Min/Max								%, 0, 100	%, 0, 100	%, 0, 100		BU/A, -, -
Data Entry Date								May-17-22	Jun-8-22	Jun-8-22	Aug-31-22	
Trt-Eval Interval								27 DA-A	49 DA-A	49 DA-A	133 DA-A	133 DA-A
Trt No.	Treatment Type	Form Conc	Form Type	Rate Rate Unit	Appl Timing	Appl Code	Plot	17	18	19	20	21
7	HERB Armezon PRO	5.35 L		15 fl oz/a	POSPOS A	107		95.0	100.0	95.0	34.0	174.0
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A	211		99.0	80.0	85.0	31.0	158.6
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A	310		99.0	85.0	75.0	34.0	174.0
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A	407		99.0	85.0	90.0	39.0	199.5
						Mean =		98.0	87.5	86.3	34.5	176.5
8	HERB Shieldex	3.33 L		1 fl oz/a	POSPOS A	108		95.0	85.0	75.0	35.0	179.1
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A	202		90.0	80.0	65.0	31.0	158.6
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A	312		95.0	85.0	75.0	36.0	184.2
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A	401		95.0	75.0	75.0	31.0	158.6
						Mean =		93.8	81.3	72.5	33.3	170.1
9	HERB Laudis	3.5 L		3 fl oz/a	POSPOS A	109		99.0	75.0	60.0	32.0	163.7
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A	210		99.0	75.0	75.0	29.0	148.4
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A	306		99.0	80.0	75.0	37.0	189.3
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A	408		99.0	85.0	80.0	39.0	199.5
						Mean =		99.0	78.8	72.5	34.3	175.2
10	HERB Resicore	3.29 L		72 fl oz/a	POSPOS A	110		99.0	85.0	85.0	32.0	163.7
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A	209		99.0	95.0	80.0	34.0	174.0
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A	301		95.0	100.0	85.0	34.0	174.0
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A	402		95.0	100.0	85.0	33.0	168.8
						Mean =		97.0	95.0	83.8	33.3	170.1
11	HERB Acuron Flexi	3.26 L		64 fl oz/a	POSPOS A	111		99.0	95.0	95.0	33.0	168.8
	HERB Roundup PowerMax3	5.88 L		22 fl oz/a	POSPOS A	212		99.0	100.0	95.0	33.0	168.8
	HERB Atrazine	4 L		32 fl oz/a	POSPOS A	309		99.0	100.0	95.0	39.0	199.5
	ADJ HM9679A	99 L		16 fl oz/a	POSPOS A	403		99.0	95.0	95.0	38.0	194.4
						Mean =		99.0	97.5	95.0	35.8	182.9
12	NTC					112		0.0	0.0	0.0	21.0	107.4
						201		0.0	0.0	0.0	13.0	66.5
						305		0.0	0.0	0.0	27.0	138.1
						404		0.0	0.0	0.0	32.0	163.7
						Mean =		0.0	0.0	0.0	23.3	119.0

University of Georgia

Effects of Various Herbicide Systems on Weed Control in Corn when Applied E-Post (V3/V4)	
Trial ID: CN-02-22	Location: GA
Protocol ID: 22-EBU 07	Investigator (Creator): Eric P. Prostko
Project ID:	Study Director: Dr. Eric Prostko
	Sponsor Contact: 252-503-0204
Trial Year: 2022	
<u>Crop Type, Code</u>	
C = EPPO species (Bayer) codes	
, , , Zeama = US	
ZEAMA, BCOR, Zea mays amylacea, Flour corn = US	
, , , ZEAM = US	
<u>Part Rated</u>	
Plant = plant	
C = Crop is Part Rated	
<u>Rating Type</u>	
YIELD = yield	
<u>Rating Unit/Min/Max</u>	
%, 0, 100 = percent	
<u>ARM Action Codes</u>	
TY1 = 5.11636686*[20]	