University of Georgia

CONTROLLING RR CORN FOR REPLANT

Title No. 2:
Trial ID: CN-01-25 Official Trial ID: Cooperator Trial ID:
Protocol ID: Location: Trial Year: 2024
Project ID: Project ID 2: Project ID 3:
Study Director: Sponsor Contact: Conducted Under GEP: No
Investigator: Trial Origin: Restricted:

Reps: 4 Plots: 6 by 25 feet

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	V3-4 STAGE						-	101	210	309	408
	GRAMOXONE	3	SL	32.0	oz/a	25.0 mL/mx	1471.3 mL				
	INDUCE			0.25	% v/v	3.75 mL/mx					
2	V3-4 STAGE						-	102	204	310	405
	GRAMOXONE	3	SL	32.0	oz/a	25.0 mL/mx	1446.3 mL				
	AATREX	4	F	32.0	oz/a	25.0 mL/mx					
	INDUCE			0.25	% v/v	3.75 mL/mx					
3	V3-4 STAGE						-	103	202	303	401
	GRAMOXONE	3	SL	32.0	oz/a	25.0 mL/mx	1468.1 mL				
	TRICOR	4	F	4.0	oz/a	3.125 mL/mx					
	INDUCE			0.25	% v/v	3.75 mL/mx					
4	V3-4 STAGE						-	104	212	305	406
	LIBERTY ULTRA	1.76	SL	24.0	oz/a	18.75 mL/mx	1481.3 mL				
5	V3-4 STAGE						-	105	211	312	410
	SELECT MAX	0.97	EC	6.0	oz/a	4.687 mL/mx	1491.6 mL				
	INDUCE			0.25	% v/v	3.75 mL/mx					
6	V3-4 STAGE						-	106	203	306	403
	NO HERBICIDE						-				
7	V5-6 STAGE						-	107	206	308	404
	GRAMOXONE	3	SL	32.0	oz/a	25.0 mL/mx	1471.3 mL				
	INDUCE			0.25	% v/v	3.75 mL/mx					
8	V5-6 STAGE						-	108	209	302	412
	GRAMOXONE	3	SL	32.0	oz/a	25.0 mL/mx	1446.3 mL				
	AATREX	4	F	32.0	oz/a	25.0 mL/mx					
	INDUCE			0.25	% v/v	3.75 mL/mx					
9	V5-6 STAGE						-	109	207	311	402
	GRAMOXONE	3	SL	32.0	oz/a	25.0 mL/mx	1468.1 mL				
	TRICOR	4	F	4.0	oz/a	3.125 mL/mx					
	INDUCE			0.25	% v/v	3.75 mL/mx					
10	V5-6 STAGE						-	110	208	307	411
	LIBERTY ULTRA	1.76	SL	24.0	oz/a	18.75 mL/mx	1481.3 mL				
11	V5-6 STAGE						-	111	205	301	407
	SELECT MAX	0.97	EC	6.0	oz/a	4.687 mL/mx	1491.6 mL				
	INDUCE			0.25	% v/v	3.75 mL/mx					
12	V5-6 STAGE						-	112	201	304	409
	NO HERBICIDE						-				

Sort Order: Treatment

Trial Comments

AATREX @ 32 OZ/A + DUAL MAGNUM @ 16 OZ/A - PRE

APRIL 9 APPLICATION SUNRISE = 7: 13 AM
APRIL 19 APPLICATION SUNRISE = 7:01 AM

SUMMARY:

1) ON MAY 7 (42 DAP), A SIGNIFICANT INTERACTION WAS OBSERVED BETWEEN TIMING AND TREATMENT (P=0.0025).
.
2) GRAMOXONE, GRAMOXONE + ATRAZINE, AND LIBERTY ULTRA WERE MORE EFFECTIVE WHEN APPLIED AT V5-6 STAGE IN COMPARISON TO V3-V4- STAGE. (56% VS 70%; 63% VS 75%, 48% VS 64%).

3) WHEN COMPARED TO GRAMOXONE ALONE, ATRAZINE DID NOT IMPROVE CONTROL WHEN TANK-MIXED WITH GRAMOXONE . TRICOR IMPROVED CORN CONTROL BY 30-40%.

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4) TIMING HAD NO EFFECT ON CORN CONTROL WITH GRAMOXONE + TRICOR OR SELECT MAX. BOTH PROVIDED AT LEAST 95% CONTROL OF CORN.

General Trial Information

Study Director: _____ **Title:** _____
Investigator: _____ **Title:** _____

Discipline: ___ **Data Location:** _____
Status: E established **Usage/Type:** ___
Status Date: Apr-11-25 **Last Export Date:** _____ **Last Changed By:** Eric P. Prostko
ARM Trial Created On: Nov-7-24 **Meets All Objectives:** _ **Reliability:** _____
Initiation Date: _____ **Planned Completion Date:** _____ **Interim Data Due:** _____
Completion Date: _____ **Last Possible Tour Visit:** _____
Protocol Revision Number: _____ **Protocol Revision Date:** Nov-7-24
Interim Report Due: _____ **Final Report Due:** _____

Trial Location
Address (Location): _____
City: _____ **Country:** ___
State/Prov.: _____ ___ **County:** _____
Postal Code: _____ **Climate Zone:** _____

Upper Left: _____ _____ **Upper Right:** _____ _____
Latitude of LL Corner °: _____ _ **Lower Right:** _____ _____
Longitude of LL Corner °: _____ _ _____ _____ - _____
GPS Accuracy of LL Corner: _____ __ _____ - _____
Altitude of LL Corner: _____ _____ **GPS Target:** ___
Angle y-axis to North °: _____ **Map Reference:** _____
Time Zone: _____

Directions:

Keywords:

Regulations

Conducted Under GLP: No
Conducted Under GEP: No

Objectives:

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Contacts

Role: STYDIR study director
Study Director: _____ **Title:** _____
Organization: _____ **Org. Type:** _____
Address 1: _____ **Phone No.:** _____
Address 2: _____ **Fax No.:** _____
Country: ___ **E-mail:** _____
City: _____ **State/Prov:** _____
Region: _____ **Other:** _____

Role: INVEST investigator
Investigator: _____ **Title:** _____
Organization: _____ **Org. Type:** _____
Address 1: _____ **Phone No.:** _____
Address 2: _____ **Fax No.:** _____
Country: ___ **E-mail:** _____
City: _____ **State/Prov:** _____
Other: _____

Role: SPONSR sponsor
Sponsor: _____ **Title:** _____
Organization: _____ **Org. Type:** _____
Address 1: _____ **Phone No.:** _____
Address 2: _____ **Fax No.:** _____
Country: ___ **E-mail:** _____
City: _____ **State/Prov:** _____
Other: _____

Role: COOPER cooperator
Cooperator: _____ **Title:** _____
Organization: _____ **Org. Type:** _____
Address 1: _____ **Phone No.:** _____
Address 2: _____ **Fax No.:** _____
Country: ___ **E-mail:** _____
City: _____ **State/Prov:** _____
Other: _____

Role: _____
Contact Name 5: _____ **Title:** _____
Organization: _____ **Org. Type:** _____
Address 1: _____ **Phone No.:** _____
Address 2: _____ **Fax No.:** _____
Country: ___ **E-mail:** _____
City: _____ **State/Prov:** _____
Other: _____

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Crop Description

Crop 1: C ZEAMA Zea mays amylacea Flour corn
Entry Date: Mar-5-25 **Crop Group:** _____ **Stage Scale:** BBCH
Variety: DKC 70-45 **Maturity Group:** _____
Attributes: _____ **Natural Crop Population:** _
Seed Lot No: _____ **Seed Source:** _____
% Germination: _____ **% Seed Moisture:** _____ **1000 Seed Weight:** _____ __
Seed Shape: _____ **Seed Size:** _____ __
Perennial Age: _____ _____ **Perennial Height:** _____ __
Seed Mod./Coating Type: _____ **Seed Treatment Products:** _____
Nursery Date: _____
Planting Date: Mar-26-25 **Approximate?:** N **Planting Rate:** 31114
Depth: 2 IN **Planting Density:** _____
Rows per Plot: 2 **Planting Method:** _____
Row Spacing: 36 IN **Planting Equipment:** _____
Spacing within Row: _____ _____ **Seed Bed:** _____
Soil Temperature: _____ _ **Soil Moisture:** _____
Ground Cover Planting: _____ **Plant Arrangement:** _____
Emergence Date: _____
Planting Stage: _____ **Plant Shape:** _____
Transplant Weight: _____ _____ **Transplant Height:** _____ __
Rootstock: _____ **Scion:** _____
Harvest Date: _____ **Harvest Equipment:** _____
Moisture Meter: _____ **Harvested Width:** _____ __
% Standard Moisture: _____ **Harvested Length:** _____ __
Weighing Equipment: _____

Pest Description

Pest 1 Type: _ **Code:** _____ _____ **Entry Date:**
Common Name: _____ **Stage Scale:** ____
Attributes: _____ **Artificial Population:** _
Resistance Characteristics: _____ _____ _____ **Resistance Information:** ___
Establishment Date: _____ **Time:** _____ **Stage at Establishment:** _____
Establishment Rate: _____ _____ **Pest Depth:** _____
Concentration: _____ _____
Establishment Method/Description: _____
Crop: __ _____ **Stage at Infestation:** _____

Site and Design

Treated Plot Width: 6 FT **Total Plot Width:** _____ _____ **Site Type:** _____
Treated Plot Length: 25 FT **Total Plot Length:** _____ _____ **Experimental Unit:** _____ _____
Treated Plot Area: 150.0 FT2 **Trial Cost:** _____ ___ **Tillage Type:** _____
Replications: 4 **Treatments:** 12 **Plots:** 48 **Study Design:** FACTOR F
% Slope: _____ **Trial Map arranged as in field?:** _ **Exposure:** _____
Untreated Arrangement: _____
Block Arrangement: _____
Distance between Blocks: 1 **Buffer Zone:** _____
Distance between 'Plot' Experimental Units: 0.5 FT

Trial Initiation Comments:

Location Quality:

No.	Previous Crop	Previous Pest Type	Previous Pest	Previous Pesticides	Year	Month	Comment
1.	PEANUT				2024		
2.							

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Maintenance

No.	Date	Type	Maintenance Product Name	Form Conc	Form Unit	Form Type	Lot Code	Specific Gravity	Registration Number	Re-Entry Interval	Description	Cost	Cost Unit
1.													

No.	Date	Type	Maintenance Product Name	Identification Code	Supplier	Risk Phrase	Safety Phrase	Rate	Rate Unit	Tank Mix (Y/N)	Tank Mix (Yes/No)	Comment
1.												

Comment:

Field Prep./Maintenance:
500 LBS/A 5-15-30 PREPLANT

Soil Description

Date: _____
Description Name: _____
% Sand: _____ **% OM:** _____ **Texture:** _____
% Silt: _____ **% Carbon:** _____ **Soil Name:** _____
% Clay: _____ **% Lime:** _____ **Fert. Level:** _
pH: _____ **CEC:** _____
Soil Drainage: _ **Water Leaching:** _____ _____
Turf Thatch Rating: _____
Comment:

Soil Properties to Record

No.	Property	Unit
1.		

Additional Measured Soil Properties
Insert Soil Records

No.	Date	Property	Value	Unit	Depth	Unit	Source	Comment
1.								

Weather Conditions

Overall Moisture Conditions: _____ **Irrigation Type:** _____
Weather Station Name: _____ **Code:** _____ **Distance:** _____ __ **Official Weath**

No.	Date	Time	Moisture Total	Unit	Precip	Unit	Irrigation	Unit	Type	Type Description	Interval	Unit	Leaf Wetness Duration	Unit	30Y Precip	Unit
1.																

No.	Date	Min Temp	Max Temp	Avg Temp	Temp Unit	30Y Min Temp	30Y Max Temp	30Y Avg Temp	Unit	Min % Relative Humidity	Max % Relative Humidity	Avg % Relative Humidity	Min Wind	Max Wind	Avg Wind	Unit	30Y Avg Wind
1.																	

No.	Date	Unit	% Cloud Cover	Avg Shortwave Radiation	Unit	30Y Avg Shortwave Radiation	Unit	Avg Soil Temp	Unit	0-10 cm Scaled Soil Moisture	0-200 cm Scaled Soil Moisture	Source	Additional Comments
1.													

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Comment:
RAINFALL/IRRIGATION DATA:

MARCH 27: 0.35" IRRIGATION
MARCH 30: 0.04" RAINFALL
MARCH 31: 0.11" RAINFALL
APRIL 7: 4.9" RAINFALL
APRIL 9: 0.3" IRRIGATION (8 HAT)
APRIL 11: 0.1" RAINFALL
APRIL 17: 0.3" IRRIGATION
APRIL 27: 0.8" RAINFALL
MAY 1: 0.5" IRRIGATION

Controlled Environment (Greenhouse/Growth Chamber)

No.	Equipment No.	Light Equipment No.	Light Equipment Name	Min Temp Hours	Max Temp Hours	Irrigation Equipment No.	Irrigation Equipment Name
1.							

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Application Description

	A	B
Date	Apr-9-25	Apr-19-25
Start Time		
Stop Time	8:00 AM	7:00 AM
Interval to Prev. Appl.		10 DAYS
Standard		
Method	BROADCAST	BROADCAST
Timing	V3-V4	V5-V6
Placement	FOLIAGE	FOLIAGE
Mixed/Prepared By	EPP	EPP
Applied By	EPP	EPP
Entry Date	Oct-1-25	Oct-1-25
Air Temperature Start, Stop	46, F	62, F
% Relative Humidity Start, Stop	82,	93,
Wind Velocity+Dir. Start	1 MPH,	3 MPH,
Wind Velocity+Dir. Stop		
Wind Velocity+Dir. Max		
Wet Leaves (Y/N)	Y, yes	
Soil Temperature	52 F	64 F
Soil Temperature Depth		
Soil Moisture	WET	OPTIMUM
Flood-Appl Interval		
Soil Surface Condition		
% Ground Cover		
% Cloud Cover	0	5
Solar Radiation Start		
Solar Radiation Stop		
Solar Radiation Max		
First Moisture Occurred On		
Time to First Moisture		
Amount of First Moisture		
Moisture 2 Weeks Before Appl.		
Moisture 1 Week Before Appl.		
Moisture 6 Hours After Appl.		
Moisture 24 Hours After Appl.		
Moisture 1 Week After Appl.		
Moisture 2 Weeks After Appl.		
Moisture 3 Weeks After Appl.		
Moisture 4 Weeks After Appl.		
Weather Source		
Problems with Application?		

Comment:

Protocol Application Directions:

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Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale	ZEAMA, BCOR	ZEAMA, BCOR
Days after Emergence		
Stage Scale Used	BBCH	BBCH
Stage Majority, Percent	V3-4,	V5-V6,
Stage Minimum, Percent		
Stage Maximum, Percent		
Growth Condition		
Diameter Average		
Diameter Minimum, Maximum		
Height Average	4 IN	8 IN
Height Minimum, Maximum		
Density Average		
Density Minimum, Maximum		
Total Canopy Height		
Treated Canopy Height		
Treated Leaf Wall Area		
Treated LWA Formula		
Treated LWA per Plot		
Total Leaf Wall Area		
Total LWA Formula		
Treated Tree Row Volume		
Treated TRV Formula		
Treated TRV per Plot		
Total Tree Row Volume (m3/ha)		
Coverage		

Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale		
Establishment Interval		
Stage Majority, Percent		
Stage Minimum, Percent		
Stage Maximum, Percent		
Growth Condition		
Diameter Average		
Diameter Minimum, Maximum		
Height Average		
Height Minimum, Maximum		
Relative Density		
Density Average		
Density Minimum, Maximum		
Coverage		
Crop Part Attacked, Code		

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Application Equipment

	A	B
Equipment Name	CO2 BACKPACK	SAME AS A
Equipment Type		
Flying Mode		
Operation Pressure	38 PSI	
Nozzle Model		
Nozzle Type	AIXR	
Nozzle TradeName		
Nozzle Tip Size, Color	11002,	
Nozzle Spacing	20.0 IN	
Nozzles/Row		
Nozzle Count		
Nozzle Calibration		
Nozzle Filter Mesh		
Spray Quality		
Time to Treat 1 Plot		
Band Width		
Spray Swath		
% Coverage		
Row Sides Applied		
Concentration Factor		
Boom ID		
Boom Length	60.0 IN	
Boom Height	20.0 IN	
Boom Flow Rate		
Ground Speed	3.5 MPH	
Incorporation Equip.		
Hours to Incorp.		
Incorp. Depth		
Carrier	WATER	
Water Hardness (ppm CaCO3)		
Application Amount	15 GAL/AC	
Minimum Mix/Treatment	0.782 L	0.782 L
Mix Overage	10.0 %	
Mix Size	1.5 L	
Spray pH		
Propellant	COMCO2	
Tank Mix (Y/N)		

Equipment Comment:

Protocol Equipment Comment:

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Equipment

	1.
Equipment Name	
Type	
Method/Sub-type	
Method/Sub-type Description	
Trade Name	
Model	
Sensor Type	
Sensor Trade Name	
Sensor Model	
Resolution	
Sensor Height	
Sensor Speed	
Original Data Location	
Analysis Company	
Analysis Method	
Software Version	
Scale Trade Name	
Scale Model	

Treatment Appl. Comments

Notes

STATUS Nov-7-24 9:34 AM Eric P. Prostko Automatically added by ARM: Trial Status updated to 'S' during trial creation by (EGAPRE).
STATUS Apr-11-25 11:22 AM Eric P. Prostko Automatically added by ARM: Trial Status updated to 'E' when Rating Date was entered by (EGAPRE).

Deviations

No. 1:

SE Definitions

1.

SE Tasks
1.

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Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	1	2	3	4	5
Rating Date						Apr-11-25	Apr-17-25	Apr-25-25	Apr-29-25	May-7-25
Rating Type						Control	Control	Control	Control	Control
Rating Unit						%	%	%	%	%
Crop Type, Code						C, ZEAMA.	C, ZEAMA	C, ZEAMA	B, ZEAMA	C, ZEAMA
TABLE OF R MEANS										
Replicate 1						18.3	29.6	56.2	62.3	65.3
Replicate 2						20.8	27.9	56.3	61.1	64.6
Replicate 3						21.3	29.2	57.5	63.2	66.2
Replicate 4						20.0	27.1	55.4	59.0	61.3
TABLE OF A (TIMING) MEANS										
1	V3-4 STAGE					38.8 a	56.9 a	65.4 a	65.0 a	61.4 b
2	V5-6 STAGE					1.5 b	0.0 b	47.3 b	57.8 b	67.3 a
LSD P=.10						2.93	2.70	4.29	6.40	3.12
Standard Deviation						4.31	3.97	6.32	9.42	4.60
CV						21.44	13.98	11.22	15.35	7.15
TABLE OF B (HERBICIDE) MEANS										
1	GRAMOXONE	3	SL	32.0	oz/a	32.5 b	31.9 c	66.3 c	58.8 d	64.4 b
1	INDUCE			0.25	% v/v					
2	GRAMOXONE	3	SL	32.0	oz/a	34.4 b	36.9 b	73.1 b	72.5 c	68.8 b
2	AATREX	4	F	32.0	oz/a					
2	INDUCE			0.25	% v/v					
3	GRAMOXONE	3	SL	32.0	oz/a	43.8 a	50.0 a	96.8 a	99.4 a	99.9 a
3	TRICOR	4	F	4.0	oz/a					
3	INDUCE			0.25	% v/v					
4	LIBERTY ULTRA	1.76	SL	24.0	oz/a	4.4 c	24.4 e	43.1 e	58.1 d	55.6 c
5	SELECT MAX	0.97	EC	6.0	oz/a	5.6 c	27.5 d	58.8 d	79.5 b	97.4 a
5	INDUCE			0.25	% v/v					
6	NO HERBICIDE					0.0 d	0.0 f	0.0 f	0.0 e	0.0 d
LSD P=.10						3.25	2.33	2.82	5.34	5.14
Standard Deviation						3.70	2.65	3.22	6.09	5.86
CV						18.42	9.34	5.71	9.92	9.11
TABLE OF A (TIMING) B (HERBICIDE) MEANS										
1	V3-4 STAGE					65.0 b	63.8 c	70.0 e	56.3 c	58.8 c
1	GRAMOXONE	3	SL	32.0	oz/a					
1	INDUCE			0.25	% v/v					
2	V5-6 STAGE					0.0 e	0.0 f	62.5 f	61.3 c	70.0 b
1	GRAMOXONE	3	SL	32.0	oz/a					
1	INDUCE			0.25	% v/v					
1	V3-4 STAGE					65.0 b	73.8 b	78.8 d	73.8 b	62.5 c
2	GRAMOXONE	3	SL	32.0	oz/a					
2	AATREX	4	F	32.0	oz/a					
2	INDUCE			0.25	% v/v					
2	V5-6 STAGE					3.8 d	0.0 f	67.5 ef	71.3 b	75.0 b
2	GRAMOXONE	3	SL	32.0	oz/a					
2	AATREX	4	F	32.0	oz/a					
2	INDUCE			0.25	% v/v					
1	V3-4 STAGE					85.0 a	100.0 a	99.8 a	99.8 a	99.8 a
3	GRAMOXONE	3	SL	32.0	oz/a					
3	TRICOR	4	F	4.0	oz/a					
3	INDUCE			0.25	% v/v					

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.

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Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	1	2	3	4	5
Rating Date						Apr-11-25	Apr-17-25	Apr-25-25	Apr-29-25	May-7-25
Rating Type						Control	Control	Control	Control	Control
Rating Unit						%	%	%	%	%
Crop Type, Code						C, ZEAMA.	C, ZEAMA	C, ZEAMA	B, ZEAMA	C, ZEAMA
2	V5-6 STAGE					2.5 de	0.0 f	93.8 b	99.0 a	100.0 a
3	GRAMOXONE	3	SL	32.0	oz/a					
3	TRICOR	4	F	4.0	oz/a					
3	INDUCE			0.25	% v/v					
1	V3-4 STAGE					7.5 c	48.8 e	56.3 g	61.3 c	47.5 d
4	LIBERTY ULTRA	1.76	SL	24.0	oz/a					
2	V5-6 STAGE					1.3 de	0.0 f	30.0 h	55.0 c	63.8 c
4	LIBERTY ULTRA	1.76	SL	24.0	oz/a					
1	V3-4 STAGE					10.0 c	55.0 d	87.5 c	99.0 a	99.8 a
5	SELECT MAX	0.97	EC	6.0	oz/a					
5	INDUCE			0.25	% v/v					
2	V5-6 STAGE					1.3 de	0.0 f	30.0 h	60.0 c	95.0 a
5	SELECT MAX	0.97	EC	6.0	oz/a					
5	INDUCE			0.25	% v/v					
1	V3-4 STAGE					0.0 e	0.0 f	0.0 i	0.0 d	0.0 e
6	NO HERBICIDE									
2	V5-6 STAGE					0.0 e	0.0 f	0.0 i	0.0 d	0.0 e
6	NO HERBICIDE									
LSD P=.10						3.72	3.29	5.81	8.20	5.93
Standard Deviation						3.00	2.65	4.69	6.61	4.79
CV						14.92	9.34	8.33	10.77	7.44

COMPLETE FACTORIAL AOV For Apr-11-25 Control % C ZEAMA. (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	44474.479167				
R	3	59.895833	19.965278	2.220	0.1280	
A	1	16688.020833	16688.020833	898.346	0.0001	2.9
RA	3	55.729167	18.576389			
B	5	14221.354167	2844.270833	207.380	0.0001	3.2
RB	15	205.729167	13.715278			
AB	5	13108.854167	2621.770833	291.533	0.0001	3.7
RAB	15	134.895833	8.993056			

COMPLETE FACTORIAL AOV For Apr-17-25 Control % C ZEAMA (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	61107.812500				
R	3	47.395833	15.798611	2.241	0.1255	
A	1	38817.187500	38817.187500	2457.000	0.0001	2.7
RA	3	47.395833	15.798611			
B	5	10992.187500	2198.437500	311.897	0.0001	2.3
RB	15	105.729167	7.048611			
AB	5	10992.187500	2198.437500	311.897	0.0001	3.3
RAB	15	105.729167	7.048611			

COMPLETE FACTORIAL AOV For Apr-25-25 Control % C ZEAMA (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	52000.666667				
R	3	26.833333	8.944444	0.407	0.7505	
A	1	3924.083333	3924.083333	98.307	0.0022	4.3
RA	3	119.750000	39.916667			
B	5	42940.416667	8588.083333	828.877	0.0001	2.8
RB	15	155.416667	10.361111			
AB	5	4504.166667	900.833333	40.947	0.0001	5.8
RAB	15	330.000000	22.000000			

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.

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Study Director: Sponsor Contact: Conducted Under GEP: No
Investigator: Trial Origin: Restricted:

COMPLETE FACTORIAL AOV For Apr-29-25 Control % B ZEAMA (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	50223.250000				
R	3	116.416667	38.805556	0.888	0.4700	
A	1	630.750000	630.750000	7.103	0.0760	6.4
RA	3	266.416667	88.805556			
B	5	45445.000000	9089.000000	245.280	0.0001	5.3
RB	15	555.833333	37.055556			
AB	5	2553.000000	510.600000	11.678	0.0001	8.2
RAB	15	655.833333	43.722222			

COMPLETE FACTORIAL AOV For May-7-25 Control % C ZEAMA (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	54940.666667				
R	3	167.166667	55.722222	2.433	0.1053	
A	1	420.083333	420.083333	19.873	0.0210	3.1
RA	3	63.416667	21.138889			
B	5	52712.666667	10542.533333	307.163	0.0001	5.1
RB	15	514.833333	34.322222			
AB	5	718.916667	143.783333	6.277	0.0025	5.9
RAB	15	343.583333	22.905556			

Rating Unit
%, 0, 100, = percent
Crop Type, Code
C = EPPO species (Bayer) codes
ZEAMA, BCOR, Zea mays amylacea, Flour corn = US

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.

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Study Director: Sponsor Contact: Conducted Under GEP: No
Investigator: Trial Origin: Restricted:

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Plot	Apr-11-25 Control % C, ZEAMA. 1	Apr-17-25 Control % C, ZEAMA 2	Apr-25-25 Control % C, ZEAMA 3	Apr-29-25 Control % B, ZEAMA 4	May-7-25 Control % C, ZEAMA 5
1	V3-4 STAGE					101	65.0	65.0	75.0	75.0	60.0
	GRAMOXONE	3	SL	32.0	oz/a	210	65.0	60.0	65.0	50.0	60.0
	INDUCE			0.25	% v/v	309	65.0	70.0	75.0	55.0	65.0
						408	65.0	60.0	65.0	45.0	50.0
						Mean =	65.0	63.8	70.0	56.3	58.8
2	V3-4 STAGE					102	65.0	80.0	80.0	80.0	65.0
	GRAMOXONE	3	SL	32.0	oz/a	204	65.0	75.0	75.0	75.0	60.0
	AATREX	4	F	32.0	oz/a	310	65.0	75.0	90.0	90.0	75.0
	INDUCE			0.25	% v/v	405	65.0	65.0	70.0	50.0	50.0
						Mean =	65.0	73.8	78.8	73.8	62.5
3	V3-4 STAGE					103	85.0	100.0	99.0	99.0	99.0
	GRAMOXONE	3	SL	32.0	oz/a	202	85.0	100.0	100.0	100.0	100.0
	TRICOR	4	F	4.0	oz/a	303	85.0	100.0	100.0	100.0	100.0
	INDUCE			0.25	% v/v	401	85.0	100.0	100.0	100.0	100.0
						Mean =	85.0	100.0	99.8	99.8	99.8
4	V3-4 STAGE					104	5.0	50.0	50.0	60.0	50.0
	LIBERTY ULTRA	1.76	SL	24.0	oz/a	212	10.0	50.0	60.0	65.0	50.0
						305	5.0	45.0	60.0	60.0	50.0
						406	10.0	50.0	55.0	60.0	40.0
						Mean =	7.5	48.8	56.3	61.3	47.5
5	V3-4 STAGE					105	0.0	60.0	95.0	99.0	100.0
	SELECT MAX	0.97	EC	6.0	oz/a	211	15.0	50.0	85.0	99.0	100.0
	INDUCE			0.25	% v/v	312	10.0	60.0	85.0	99.0	99.0
						410	15.0	50.0	85.0	99.0	100.0
						Mean =	10.0	55.0	87.5	99.0	99.8
6	V3-4 STAGE					106	0.0	0.0	0.0	0.0	0.0
	NO HERBICIDE					203	0.0	0.0	0.0	0.0	0.0
						306	0.0	0.0	0.0	0.0	0.0
						403	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0
7	V5-6 STAGE					107	0.0	0.0	60.0	60.0	85.0
	GRAMOXONE	3	SL	32.0	oz/a	206	0.0	0.0	70.0	65.0	70.0
	INDUCE			0.25	% v/v	308	0.0	0.0	60.0	60.0	60.0
						404	0.0	0.0	60.0	60.0	65.0
						Mean =	0.0	0.0	62.5	61.3	70.0
8	V5-6 STAGE					108	0.0	0.0	65.0	65.0	65.0
	GRAMOXONE	3	SL	32.0	oz/a	209	0.0	0.0	65.0	70.0	75.0
	AATREX	4	F	32.0	oz/a	302	15.0	0.0	65.0	75.0	85.0
	INDUCE			0.25	% v/v	412	0.0	0.0	75.0	75.0	75.0
						Mean =	3.8	0.0	67.5	71.3	75.0
9	V5-6 STAGE					109	0.0	0.0	90.0	99.0	100.0
	GRAMOXONE	3	SL	32.0	oz/a	207	0.0	0.0	95.0	99.0	100.0
	TRICOR	4	F	4.0	oz/a	311	10.0	0.0	95.0	99.0	100.0
	INDUCE			0.25	% v/v	402	0.0	0.0	95.0	99.0	100.0
						Mean =	2.5	0.0	93.8	99.0	100.0
10	V5-6 STAGE					110	0.0	0.0	30.0	50.0	65.0
	LIBERTY ULTRA	1.76	SL	24.0	oz/a	208	5.0	0.0	30.0	50.0	65.0
						307	0.0	0.0	30.0	60.0	65.0
						411	0.0	0.0	30.0	60.0	60.0
						Mean =	1.3	0.0	30.0	55.0	63.8

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Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Plot	1	2	3	4	5
	Rating Date						Apr-11-25	Apr-17-25	Apr-25-25	Apr-29-25	May-7-25
	Rating Type						Control	Control	Control	Control	Control
	Rating Unit						%	%	%	%	%
	Crop Type, Code						C, ZEAMA.	C, ZEAMA	C, ZEAMA	B, ZEAMA	C, ZEAMA
11	V5-6 STAGE					111	0.0	0.0	30.0	60.0	95.0
	SELECT MAX	0.97	EC	6.0	oz/a	205	5.0	0.0	30.0	60.0	95.0
	INDUCE			0.25	% v/v	301	0.0	0.0	30.0	60.0	95.0
						407	0.0	0.0	30.0	60.0	95.0
						Mean =	1.3	0.0	30.0	60.0	95.0
12	V5-6 STAGE					112	0.0	0.0	0.0	0.0	0.0
	NO HERBICIDE					201	0.0	0.0	0.0	0.0	0.0
						304	0.0	0.0	0.0	0.0	0.0
						409	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0

Rating Unit
%, 0, 100, = percent
Crop Type, Code
C = EPPO species (Bayer) codes
ZEAMA, BCOR, Zea mays amylacea, Flour corn = US