



# University of Georgia

ROUNDUP + LIBERTY TANK-MIXES FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-03-21 Study Dir.:  
Location: PONDER FARM Investigator: Eric P. Prostko

3) CORN YIELDS WERE NOT INFLUENCED BY ANY HERBICIDE TREATMENT (P=0.3492).

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ROUNDUP + LIBERTY TANK-MIXES FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-03-21 Study Dir.:  
 Location: PONDER FARM Investigator: Eric P. Prostko

### GENERAL TRIAL INFORMATION

Study Director: \_\_\_\_\_ Title: \_\_\_\_\_  
 Affiliation: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Investigator: Eric P. Prostko Title: \_\_\_\_\_  
 Affiliation: \_\_\_\_\_ Postal Code: \_\_\_\_\_

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

Objective:

Conclusions:

### CROP AND PEST DESCRIPTION

Weed 1. AMAPA PALMER AMARANTH 2. LAMAM HENBIT  
 Weed 3. AGRASS TX PAN/CRAB/GOOSE/CROW 4. \_\_\_\_\_

Crop 1: ZEAMA FIELD CORN Variety: PIONEER 1870 YHR Planting Date: Mar-22-21  
 Planting Method: MONOSEM Rate: 36300 SEED/A Depth: 2 IN  
 Perennial Age: \_\_\_\_\_ Row Spacing: 36 IN Seed Bed: \_\_\_\_\_  
 Soil Temperature: \_\_\_\_\_ Soil Moisture: OPTIMUM Emergence Date: \_\_\_\_\_

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

Site Type: \_\_\_\_\_  
 Tillage Type: CONVENTIONAL Study Design: RACOBL  
 Trial Initiation Comments: LUMIGEN SEED TREATMENT; 800 LBS/A 5-15-30  
 PREPLANT;127 LBS/A + 16 LBS/A SIDRESS ON APRIL 19; AXILO BMZ (MICROS) ON APRIL

Previous: Crops	Pesticides	Year
1. PEANUT		2020

### MAINTENANCE

Field Prep./Maintenance: \_\_\_\_\_  

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

### SOIL DESCRIPTION

Texture: SAND % OM: 0.65 % Sand: 92 % Silt: 4 % Clay: 4  
 pH: 6.0 CEC: 2.5 Soil Name: FUQUAY Fertility Level: GOOD

### MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1.	Mar-24-21	0.4	IN	SPRINKLER - LATERAL MOVE		
2.	Mar-28-21	0.1	IN	RAINFALL		
3.	Mar-31-21	0.6	IN	SPRINKLER - LATERAL MOVE		
4.	Mar-31-21	0.8	IN	RAINFALL		
5.	Apr-7-21	0.5	IN	SPRINKLER - LATERAL MOVE		
6.	Apr-9-21	0.27	IN	RAINFALL		
7.	Apr-10-21	0.05	IN	RAINFALL		
8.	Apr-11-21	0.08	IN	RAINFALL		
9.	Apr-17-21	0.1	IN	RAINFALL		
10.	Apr-18-21	0.01	IN	RAINFALL		
11.	Apr-20-21	0.35	IN	SPRINKLER - LATERAL MOVE		
12.	Apr-24-21	6.0	IN	RAINFALL		
13.	May-3-21	0.1	IN	RAINFALL		
14.	May-4-21	1.15	IN	RAINFALL		
15.	May-11-21	0.5	IN	SPRINKLER - LATERAL MOVE		
16.	May-11-21	0.15	IN	RAINFALL		
17.	May-12-21	0.6	IN	RAINFALL		

Overall Moisture Conditions: \_\_\_\_\_  
 Closest Weather Station: \_\_\_\_\_ Distance: \_\_\_\_\_ Unit: \_\_\_\_\_

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Trial ID:	CN-03-21	Study Dir.:	
Location:	PONDER FARM	Investigator:	Eric P. Prostko

		APPLICATION DESCRIPTION					
		A	B	C	D	E	F
Application Date:	Apr-14-21	_____	_____	_____	_____	_____	_____
Time of Day:	7:30 AM	_____	_____	_____	_____	_____	_____
Application Method:	BROADCAST	_____	_____	_____	_____	_____	_____
Application Timing:	EPOST	_____	_____	_____	_____	_____	_____
Applic. Placement:	FOILAGE	_____	_____	_____	_____	_____	_____
Air Temp., Unit:	60 F	_____	_____	_____	_____	_____	_____
% Relative Humidity:	85	_____	_____	_____	_____	_____	_____
Wind Velocity, Unit:	2 MPH	_____	_____	_____	_____	_____	_____
Dew Presence (Y/N):	Y	_____	_____	_____	_____	_____	_____
Water Hardness:	--	_____	_____	_____	_____	_____	_____
Soil Temp., Unit:	68 F	_____	_____	_____	_____	_____	_____
Soil Moisture:	OPTIMUM	_____	_____	_____	_____	_____	_____
% Cloud Cover:	40	_____	_____	_____	_____	_____	_____

		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1	Stage: ZEAMA	_____	_____	_____	_____	_____	_____
Stage Scale:	V4	_____	_____	_____	_____	_____	_____
Height, Unit:	6 IN	_____	_____	_____	_____	_____	_____

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

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	_____	_____	_____	_____	_____	_____
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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ROUNDUP + LIBERTY TANK-MIXES FOR WEED CONTROL IN FIELD CORN																		
Trial ID:		CN-03-21		Study Dir.:		Eric P. Prostko												
Location:		PONDER FARM		Investigator:														
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	----- Zeama Plant, - Stunting %	Apr-21-21	Amapa ----- Control %	Apr-21-21	Lamam ----- Control %	Apr-21-21	Agrass ----- Control %	Apr-21-21	----- Zeama Plant, - Stunting %	Apr-28-21	----- Zeama Plant, - Chlorosi %	Apr-28-21	
Trt-Eval Interval						7 DA-A			7 DA-A			7 DA-A			14 DA-A			14 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	1	2	3	4	5	6					
1	ROUNDUP P-MAX3 ATRAZINE	5.88 4	SL L	25.0 64.0	oz/a oz/a	EPOST EPOST	A A	0.0 a	99.0 a	99.0 a	99.0 a	0.0 a	0.0 a					
2	LIBERTY ATRAZINE	2.34 4	SL L	32.0 64.0	oz/a oz/a	EPOST EPOST	A A	0.0 a	99.0 a	99.0 a	99.0 a	2.5 a	0.0 a					
3	ROUNDUP P-MAX3 LIBERTY ATRAZINE	5.88 2.34 4	SL SL L	25.0 32.0 64.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	0.0 a	99.0 a	99.0 a	99.0 a	5.0 a	0.0 a					
4	ROUNDUP P-MAX3 LIBERTY	5.88 2.34	SL SL	25.0 32.0	oz/a oz/a	EPOST EPOST	A A	0.0 a	99.0 a	87.0 b	99.0 a	5.0 a	0.0 a					
5	ROUNDUP P-MAX3 ATRAZINE	5.88 4	SL L	21.0 64.0	oz/a oz/a	EPOST EPOST	A A	0.0 a	99.0 a	99.0 a	99.0 a	0.0 a	0.0 a					
6	LIBERTY ATRAZINE	2.34 4	SL L	22.0 64.0	oz/a oz/a	EPOST EPOST	A A	0.0 a	99.0 a	99.0 a	99.0 a	2.5 a	0.0 a					
7	ROUNDUP P-MAX3 LIBERTY ATRAZINE	5.88 2.34 4	SL SL L	21.0 22.0 64.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	0.0 a	99.0 a	99.0 a	99.0 a	2.5 a	0.0 a					
8	ROUNDUP P-MAX3 LIBERTY ATRAZINE PROWL H20	5.88 2.34 4 3.8	SL SL L SC	21.0 22.0 64.0 32.0	oz/a oz/a oz/a oz/a	EPOST EPOST EPOST EPOST	A A A A	0.0 a	99.0 a	99.0 a	99.0 a	2.5 a	0.0 a					
9	ROUNDUP P-MAX3 LIBERTY ATRAZINE PROWL H20	5.88 2.34 4 3.8	SL SL L SC	25.0 32.0 64.0 32.0	oz/a oz/a oz/a oz/a	EPOST EPOST EPOST EPOST	A A A A	0.0 a	99.0 a	99.0 a	99.0 a	2.5 a	0.0 a					
10	ROUNDUP P-MAX3 REVULIN Q ATRAZINE	5.88 51.2 4	SL DG L	21.0 3.5 64.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	0.0 a	99.0 a	99.0 a	98.0 b	0.0 a	0.0 a					
11	ROUNDUP P-MAX3 ATRAZINE PROWL H20	5.88 4 3.8	SL L SC	21.0 64.0 32.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	0.0 a	99.0 a	99.0 a	99.0 a	0.0 a	0.0 a					
12	LIBERTY ATRAZINE PROWL H20	2.34 4 3.8	SL L SC	32.0 64.0 32.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	0.0 a	99.0 a	99.0 a	99.0 a	2.5 a	0.0 a					
13	NTC								0.0 a	0.0 b	0.0 c	0.0 c	0.0 a	0.0 a				
LSD P=.10								.	.	5.33	0.66	5.04	.					
Standard Deviation								0.00	0.00	4.46	0.55	4.22	0.00					
CV								0.0	0.0	4.93	0.61	219.65	0.0					
Grand Mean								0.00	91.38	90.46	91.31	1.92	0.00					
Bartlett's X2^								.	.	73.238	73.238	49.43	.					
P(Bartlett's X2)								.	.	0.00*	0.00*	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 1,2,6,8,10,12,13 because error mean square = 0.  
 ^Calculated from residual.

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Trial ID:		CN-03-21		Study Dir.:									
Location:		PONDER FARM		Investigator:		Eric P. Prostko							
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	----- Zeama Plant, - Necrosis % Apr-28-21	Amapa ----- Control % Apr-28-21	Lamam ----- Control % Apr-28-21	Agrass ----- Control % Apr-28-21	----- Zeama Stunt % May-14-21	----- Zeama Chlorosi % May-14-21		
Trt-Eval Interval						14 DA-A	14 DA-A	14 DA-A	14 DA-A	30 DA-A	30 DA-A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	7	8	9	10	11	12
1	ROUNDUP P-MAX3 ATRAZINE	5.88 4	SL L	25.0 64.0	oz/a oz/a	EPOST EPOST	A A	0.0 b	99.0 a	99.0 a	99.0 a	2.5 a	0.0 a
2	LIBERTY ATRAZINE	2.34 4	SL L	32.0 64.0	oz/a oz/a	EPOST EPOST	A A	0.0 b	99.0 a	99.0 a	99.0 a	1.3 a	0.0 a
3	ROUNDUP P-MAX3 LIBERTY ATRAZINE	5.88 2.34 4	SL SL L	25.0 32.0 64.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	0.0 b	99.0 a	99.0 a	99.0 a	1.3 a	0.0 a
4	ROUNDUP P-MAX3 LIBERTY	5.88 2.34	SL SL	25.0 32.0	oz/a oz/a	EPOST EPOST	A A	1.3 ab	99.0 a	87.0 b	99.0 a	2.5 a	0.0 a
5	ROUNDUP P-MAX3 ATRAZINE	5.88 4	SL L	21.0 64.0	oz/a oz/a	EPOST EPOST	A A	2.5 a	99.0 a	99.0 a	99.0 a	1.3 a	0.0 a
6	LIBERTY ATRAZINE	2.34 4	SL L	22.0 64.0	oz/a oz/a	EPOST EPOST	A A	0.0 b	99.0 a	99.0 a	99.0 a	3.8 a	0.0 a
7	ROUNDUP P-MAX3 LIBERTY ATRAZINE	5.88 2.34 4	SL SL L	21.0 22.0 64.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	0.0 b	99.0 a	99.0 a	99.0 a	3.8 a	0.0 a
8	ROUNDUP P-MAX3 LIBERTY ATRAZINE PROWL H20	5.88 2.34 4 3.8	SL SL L SC	21.0 22.0 64.0 32.0	oz/a oz/a oz/a oz/a	EPOST EPOST EPOST EPOST	A A A A	0.0 b	99.0 a	99.0 a	99.0 a	2.5 a	0.0 a
9	ROUNDUP P-MAX3 LIBERTY ATRAZINE PROWL H20	5.88 2.34 4 3.8	SL SL L SC	25.0 32.0 64.0 32.0	oz/a oz/a oz/a oz/a	EPOST EPOST EPOST EPOST	A A A A	1.3 ab	99.0 a	99.0 a	99.0 a	2.5 a	0.0 a
10	ROUNDUP P-MAX3 REVULIN Q ATRAZINE	5.88 51.2 4	SL DG L	21.0 3.5 64.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	0.0 b	99.0 a	99.0 a	99.0 a	1.3 a	0.0 a
11	ROUNDUP P-MAX3 ATRAZINE PROWL H20	5.88 4 3.8	SL L SC	21.0 64.0 32.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	0.0 b	99.0 a	99.0 a	99.0 a	5.0 a	0.0 a
12	LIBERTY ATRAZINE PROWL H20	2.34 4 3.8	SL L SC	32.0 64.0 32.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	0.0 b	99.0 a	99.0 a	99.0 a	2.5 a	0.0 a
13	NTC							0.0 b	0.0 b	0.0 c	0.0 b	0.0 a	0.0 a
LSD P=.10						1.42	.	5.33	.	3.35	.		
Standard Deviation						1.19	0.00	4.46	0.00	2.81	0.00		
CV						309.35	0.0	4.93	0.0	121.64	0.0		
Grand Mean						0.38	91.38	90.46	91.38	2.31	0.00		
Bartlett's X2^						29.715	.	73.238	.	9.759	.		
P(Bartlett's X2)						0.003*	.	0.00*	.	0.637	.		

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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 ^Calculated from residual.

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ROUNDUP + LIBERTY TANK-MIXES FOR WEED CONTROL IN FIELD CORN													
Trial ID: CN-03-21		Study Dir.: Eric P. Prostko											
Location: PONDER FARM		Investigator:											
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	----- Zeama	Amapa -----	Lamam -----	Agrass -----	----- ZEAMA	----- ZEAMA		
						Necrosis % May-14-21	Control % May-14-21	Control % May-14-21	Control % May-14-21	YIELD LBS/PLOT Aug-23-21	YIELD BU/A Aug-23-21		
Trt-Eval Interval						30 DA-A	30 DA-A	30 DA-A	30 DA-A	131 DA-A	131 DA-A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	13	14	15	16	17	18
1	ROUNDUP P-MAX3 ATRAZINE	5.88 4	SL L	25.0 64.0	oz/a oz/a	EPOST EPOST	A A	0.0 a	99.0 a	99.0 a	97.0 ab	52.5 a	263.0 a
2	LIBERTY ATRAZINE	2.34 4	SL L	32.0 64.0	oz/a oz/a	EPOST EPOST	A A	0.0 a	99.0 a	99.0 a	97.0 ab	50.0 a	250.5 a
3	ROUNDUP P-MAX3 LIBERTY ATRAZINE	5.88 2.34 4	SL SL L	25.0 32.0 64.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	0.0 a	99.0 a	99.0 a	95.5 ab	48.8 a	244.2 a
4	ROUNDUP P-MAX3 LIBERTY	5.88 2.34	SL SL	25.0 32.0	oz/a oz/a	EPOST EPOST	A A	0.0 a	82.3 b	89.8 b	94.5 ab	50.0 a	250.5 a
5	ROUNDUP P-MAX3 ATRAZINE	5.88 4	SL L	21.0 64.0	oz/a oz/a	EPOST EPOST	A A	0.0 a	99.0 a	99.0 a	94.5 ab	51.3 a	256.8 a
6	LIBERTY ATRAZINE	2.34 4	SL L	22.0 64.0	oz/a oz/a	EPOST EPOST	A A	0.0 a	99.0 a	99.0 a	94.8 ab	48.8 a	244.2 a
7	ROUNDUP P-MAX3 LIBERTY ATRAZINE	5.88 2.34 4	SL SL L	21.0 22.0 64.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	0.0 a	99.0 a	99.0 a	93.3 b	52.0 a	260.5 a
8	ROUNDUP P-MAX3 LIBERTY ATRAZINE PROWL H20	5.88 2.34 4 3.8	SL SL L SC	21.0 22.0 64.0 32.0	oz/a oz/a oz/a oz/a	EPOST EPOST EPOST EPOST	A A A A	0.0 a	99.0 a	99.0 a	99.0 a	52.8 a	264.3 a
9	ROUNDUP P-MAX3 LIBERTY ATRAZINE PROWL H20	5.88 2.34 4 3.8	SL SL L SC	25.0 32.0 64.0 32.0	oz/a oz/a oz/a oz/a	EPOST EPOST EPOST EPOST	A A A A	0.0 a	99.0 a	99.0 a	99.0 a	50.0 a	250.5 a
10	ROUNDUP P-MAX3 REVULIN Q ATRAZINE	5.88 51.2 4	SL DG L	21.0 3.5 64.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	0.0 a	99.0 a	99.0 a	96.0 ab	48.0 a	240.5 a
11	ROUNDUP P-MAX3 ATRAZINE PROWL H20	5.88 4 3.8	SL L SC	21.0 64.0 32.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	0.0 a	99.0 a	99.0 a	99.0 a	47.3 a	236.7 a
12	LIBERTY ATRAZINE PROWL H20	2.34 4 3.8	SL L SC	32.0 64.0 32.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	0.0 a	99.0 a	99.0 a	98.0 ab	50.5 a	253.0 a
13	NTC							0.0 a	0.0 c	0.0 c	0.0 c	45.3 a	226.7 a
LSD P=.10								.	7.38	2.19	5.23	4.80	24.07
Standard Deviation								0.00	6.18	1.83	4.38	4.02	20.16
CV								0.0	6.86	2.02	4.92	8.09	8.09
Grand Mean								0.00	90.10	90.67	89.04	49.77	249.35
Bartlett's X2^								.	73.238	73.238	36.067	12.862	12.862
P(Bartlett's X2)								.	0.00*	0.00*	0.00*	0.379	0.379

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 1,2,6,8,10,12,13 because error mean square = 0.  
 ^Calculated from residual.

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ROUNDUP + LIBERTY TANK-MIXES FOR WEED CONTROL IN FIELD CORN						
Trial ID:	CN-03-21	Study Dir.:				
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
Randomized Complete Block (RCB) AOV For ----- Zeama Plant Stunting % Apr-21-21 7 DA-A (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	51	0.000000000000				
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000	
Treatment	12	0.000000000000	0.000000000000	0.000	1.0000	
Error	36	0.000000000000	0.000000000000			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % Apr-21-21 7 DA-A (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	51	36188.307692				
Replicate	3	0.000000	0.000000	0.000	1.0000	
Treatment	12	36188.307692	3015.692308	0.000	1.0000	
Error	36	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For Lamam ----- Control % Apr-21-21 7 DA-A (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	51	36764.923077				
Replicate	3	59.692308	19.897436	1.000	0.4040	
Treatment	12	35988.923077	2999.076923	150.727	0.0001	
Error	36	716.307692	19.897436			
Randomized Complete Block (RCB) AOV For Agrass ----- Control % Apr-21-21 7 DA-A (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	51	36143.076923				
Replicate	3	0.923077	0.307692	1.000	0.4040	
Treatment	12	36131.076923	3010.923077	9785.501	0.0001	
Error	36	11.076923	0.307692			
Randomized Complete Block (RCB) AOV For ----- Zeama Plant Stunting % Apr-28-21 14 DA-A (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	51	807.692308				
Replicate	3	7.692308	2.564103	0.144	0.9330	
Treatment	12	157.692308	13.141026	0.737	0.7072	
Error	36	642.307692	17.841880			
Randomized Complete Block (RCB) AOV For ----- Zeama Plant Chlorosi % Apr-28-21 14 DA-A (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	51	0.000000000000				
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000	
Treatment	12	0.000000000000	0.000000000000	0.000	1.0000	
Error	36	0.000000000000	0.000000000000			
Randomized Complete Block (RCB) AOV For ----- Zeama Plant Necrosis % Apr-28-21 14 DA-A (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	51	92.307692				
Replicate	3	11.538462	3.846154	2.717	0.0589	
Treatment	12	29.807692	2.483974	1.755	0.0953	
Error	36	50.961538	1.415598			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % Apr-28-21 14 DA-A (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	51	36188.307692				
Replicate	3	0.000000	0.000000	0.000	1.0000	
Treatment	12	36188.307692	3015.692308	0.000	1.0000	
Error	36	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For Lamam ----- Control % Apr-28-21 14 DA-A (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	51	36764.923077				
Replicate	3	59.692308	19.897436	1.000	0.4040	
Treatment	12	35988.923077	2999.076923	150.727	0.0001	
Error	36	716.307692	19.897436			
Randomized Complete Block (RCB) AOV For Agrass ----- Control % Apr-28-21 14 DA-A (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	51	36188.307692				
Replicate	3	0.000000	0.000000	0.000	1.0000	
Treatment	12	36188.307692	3015.692308	0.000	1.0000	
Error	36	0.000000	0.000000			



# University of Georgia

ROUNDUP + LIBERTY TANK-MIXES FOR WEED CONTROL IN FIELD CORN					
Trial ID:	CN-03-21	Study Dir.:			
Location:	PONDER FARM	Investigator:	Eric P. Prostko		
Randomized Complete Block (RCB) AOV For ----- Zeama Stunt % May-14-21 30 DA-A (Data Column 11)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	523.076923			
Replicate	3	153.846154	51.282051	6.508	0.0012
Treatment	12	85.576923	7.131410	0.905	0.5510
Error	36	283.653846	7.879274		
Randomized Complete Block (RCB) AOV For ----- Zeama Chlorosi % May-14-21 30 DA-A (Data Column 12)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	0.000000000000			
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000
Treatment	12	0.000000000000	0.000000000000	0.000	1.0000
Error	36	0.000000000000	0.000000000000		
Randomized Complete Block (RCB) AOV For ----- Zeama Necrosis % May-14-21 30 DA-A (Data Column 13)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	0.000000000000			
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000
Treatment	12	0.000000000000	0.000000000000	0.000	1.0000
Error	36	0.000000000000	0.000000000000		
Randomized Complete Block (RCB) AOV For Amapa ----- Control % May-14-21 30 DA-A (Data Column 14)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	37694.519231			
Replicate	3	114.673077	38.224359	1.000	0.4040
Treatment	12	36203.769231	3016.980769	78.928	0.0001
Error	36	1376.076923	38.224359		
Randomized Complete Block (RCB) AOV For Lamam ----- Control % May-14-21 30 DA-A (Data Column 15)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	36071.442308			
Replicate	3	10.057692	3.352564	1.000	0.4040
Treatment	12	35940.692308	2995.057692	893.363	0.0001
Error	36	120.692308	3.352564		
Randomized Complete Block (RCB) AOV For Agrass ----- Control % May-14-21 30 DA-A (Data Column 16)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	35281.923077			
Replicate	3	59.923077	19.974359	1.041	0.3860
Treatment	12	34531.423077	2877.618590	150.011	0.0001
Error	36	690.576923	19.182692		
Randomized Complete Block (RCB) AOV For ----- ZEAMA YIELD LBS/PLOT Aug-23-21 131 DA-A (Data Column 17)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	867.230769			
Replicate	3	59.538462	19.846154	1.226	0.3145
Treatment	12	224.730769	18.727564	1.156	0.3492
Error	36	582.961538	16.193376		
Randomized Complete Block (RCB) AOV For ----- ZEAMA YIELD BU/A Aug-23-21 131 DA-A (Data Column 18)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	51	21769.297878			
Replicate	3	1494.539343	498.179781	1.226	0.3145
Treatment	12	5641.210196	470.100850	1.156	0.3492
Error	36	14633.548338	406.487454		
<b>Weed Code</b>					
Amapa = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.					
Lamam = HENBIT / LAMIUM AMPLEXICAULE L.					
<b>Part Rated</b>					
Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)					
<b>PRM Data Type</b>					
TY1 = 5.0101978*[C17]					

# University of Georgia

ROUNDUP + LIBERTY TANK-MIXES FOR WEED CONTROL IN FIELD CORN				
Trial ID:	CN-03-21	Study Dir.:		
Location:	PONDER FARM	Investigator:	Eric P. Prostko	

Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	----- Zeama Plant, - Stunting % Apr-21-21 7 DA-A	Amapa ----- Control % Apr-21-21 7 DA-A	Lamam ----- Control % Apr-21-21 7 DA-A	Agrass ----- Control % Apr-21-21 7 DA-A	----- Zeama Plant, - Stunting % Apr-28-21 14 DA-A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	Appl Code	Plot	1	2	3	4	5
1	ROUNDUP P-MAX3	5.88 SL		25.0 oz/a	EPOST A		101		0.0	99.0	99.0	99.0	0.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A		205		0.0	99.0	99.0	99.0	0.0
							310		0.0	99.0	99.0	99.0	0.0
							404		0.0	99.0	99.0	99.0	0.0
							Mean =		0.0	99.0	99.0	99.0	0.0
2	LIBERTY	2.34 SL		32.0 oz/a	EPOST A		102		0.0	99.0	99.0	99.0	0.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A		211		0.0	99.0	99.0	99.0	0.0
							301		0.0	99.0	99.0	99.0	0.0
							403		0.0	99.0	99.0	99.0	10.0
							Mean =		0.0	99.0	99.0	99.0	2.5
3	ROUNDUP P-MAX3	5.88 SL		25.0 oz/a	EPOST A		103		0.0	99.0	99.0	99.0	10.0
	LIBERTY	2.34 SL		32.0 oz/a	EPOST A		212		0.0	99.0	99.0	99.0	0.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A		311		0.0	99.0	99.0	99.0	0.0
							413		0.0	99.0	99.0	99.0	10.0
							Mean =		0.0	99.0	99.0	99.0	5.0
4	ROUNDUP P-MAX3	5.88 SL		25.0 oz/a	EPOST A		104		0.0	99.0	65.0	99.0	10.0
	LIBERTY	2.34 SL		32.0 oz/a	EPOST A		208		0.0	99.0	85.0	99.0	10.0
							306		0.0	99.0	99.0	99.0	0.0
							411		0.0	99.0	99.0	99.0	0.0
							Mean =		0.0	99.0	87.0	99.0	5.0
5	ROUNDUP P-MAX3	5.88 SL		21.0 oz/a	EPOST A		105		0.0	99.0	99.0	99.0	0.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A		209		0.0	99.0	99.0	99.0	0.0
							312		0.0	99.0	99.0	99.0	0.0
							402		0.0	99.0	99.0	99.0	0.0
							Mean =		0.0	99.0	99.0	99.0	0.0
6	LIBERTY	2.34 SL		22.0 oz/a	EPOST A		106		0.0	99.0	99.0	99.0	0.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A		213		0.0	99.0	99.0	99.0	10.0
							307		0.0	99.0	99.0	99.0	0.0
							412		0.0	99.0	99.0	99.0	0.0
							Mean =		0.0	99.0	99.0	99.0	2.5
7	ROUNDUP P-MAX3	5.88 SL		21.0 oz/a	EPOST A		107		0.0	99.0	99.0	99.0	0.0
	LIBERTY	2.34 SL		22.0 oz/a	EPOST A		202		0.0	99.0	99.0	99.0	0.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A		308		0.0	99.0	99.0	99.0	10.0
							410		0.0	99.0	99.0	99.0	0.0
							Mean =		0.0	99.0	99.0	99.0	2.5
8	ROUNDUP P-MAX3	5.88 SL		21.0 oz/a	EPOST A		108		0.0	99.0	99.0	99.0	0.0
	LIBERTY	2.34 SL		22.0 oz/a	EPOST A		201		0.0	99.0	99.0	99.0	0.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A		313		0.0	99.0	99.0	99.0	10.0
	PROWL H20	3.8 SC		32.0 oz/a	EPOST A		401		0.0	99.0	99.0	99.0	0.0
							Mean =		0.0	99.0	99.0	99.0	2.5
9	ROUNDUP P-MAX3	5.88 SL		25.0 oz/a	EPOST A		109		0.0	99.0	99.0	99.0	0.0
	LIBERTY	2.34 SL		32.0 oz/a	EPOST A		206		0.0	99.0	99.0	99.0	10.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A		304		0.0	99.0	99.0	99.0	0.0
	PROWL H20	3.8 SC		32.0 oz/a	EPOST A		406		0.0	99.0	99.0	99.0	0.0
							Mean =		0.0	99.0	99.0	99.0	2.5
10	ROUNDUP P-MAX3	5.88 SL		21.0 oz/a	EPOST A		110		0.0	99.0	99.0	99.0	0.0
	REVULIN Q	51.2 DG		3.5 oz/a	EPOST A		203		0.0	99.0	99.0	99.0	0.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A		305		0.0	99.0	99.0	99.0	0.0
							407		0.0	99.0	99.0	95.0	0.0
							Mean =		0.0	99.0	99.0	98.0	0.0

# University of Georgia

ROUNDUP + LIBERTY TANK-MIXES FOR WEED CONTROL IN FIELD CORN					
Trial ID:	CN-03-21	Study Dir.:			
Location:	PONDER FARM	Investigator:	Eric P. Prostko		

Weed Code	-----	Amapa	Lamam	Agrass	-----								
Crop Code	Zeama	-----	-----	-----	Zeama								
Part Rated	Plant, -				Plant, -								
Rating Data Type	Stunting	Control	Control	Control	Stunting								
Rating Unit	%	%	%	%	%								
Rating Date	Apr-21-21	Apr-21-21	Apr-21-21	Apr-21-21	Apr-28-21								
Trt-Eval Interval	7 DA-A	7 DA-A	7 DA-A	7 DA-A	14 DA-A								
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Plot	1	2	3	4	5
11	ROUNDUP P-MAX3	5.88	SL	21.0	oz/a	EPOST A	111		0.0	99.0	99.0	99.0	0.0
	ATRAZINE	4	L	64.0	oz/a	EPOST A	207		0.0	99.0	99.0	99.0	0.0
	PROWL H20	3.8	SC	32.0	oz/a	EPOST A	309		0.0	99.0	99.0	99.0	0.0
							405		0.0	99.0	99.0	99.0	0.0
							Mean =		0.0	99.0	99.0	99.0	0.0
12	LIBERTY	2.34	SL	32.0	oz/a	EPOST A	112		0.0	99.0	99.0	99.0	0.0
	ATRAZINE	4	L	64.0	oz/a	EPOST A	204		0.0	99.0	99.0	99.0	0.0
	PROWL H20	3.8	SC	32.0	oz/a	EPOST A	303		0.0	99.0	99.0	99.0	10.0
							409		0.0	99.0	99.0	99.0	0.0
							Mean =		0.0	99.0	99.0	99.0	2.5
13	NTC						113		0.0	0.0	0.0	0.0	0.0
							210		0.0	0.0	0.0	0.0	0.0
							302		0.0	0.0	0.0	0.0	0.0
							408		0.0	0.0	0.0	0.0	0.0
							Mean =		0.0	0.0	0.0	0.0	0.0

# University of Georgia

ROUNDUP + LIBERTY TANK-MIXES FOR WEED CONTROL IN FIELD CORN				
Trial ID:	CN-03-21	Study Dir.:		
Location:	PONDER FARM	Investigator:	Eric P. Prostko	

						----- Zeama Plant, - Chlorosi % Apr-28-21 14 DA-A	----- Zeama Plant, - Necrosis % Apr-28-21 14 DA-A	Amapa ----- Control % Apr-28-21 14 DA-A	Lamam ----- Control % Apr-28-21 14 DA-A	Agrass ----- Control % Apr-28-21 14 DA-A			
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code	Plot	6	7	8	9	10
1	ROUNDUP P-MAX3 ATRAZINE	5.88 4	SL L	25.0 64.0	oz/a oz/a	EPOST EPOST	A A	101	0.0	0.0	99.0	99.0	99.0
								205	0.0	0.0	99.0	99.0	99.0
								310	0.0	0.0	99.0	99.0	99.0
								404	0.0	0.0	99.0	99.0	99.0
								Mean =	0.0	0.0	99.0	99.0	99.0
2	LIBERTY ATRAZINE	2.34 4	SL L	32.0 64.0	oz/a oz/a	EPOST EPOST	A A	102	0.0	0.0	99.0	99.0	99.0
								211	0.0	0.0	99.0	99.0	99.0
								301	0.0	0.0	99.0	99.0	99.0
								403	0.0	0.0	99.0	99.0	99.0
								Mean =	0.0	0.0	99.0	99.0	99.0
3	ROUNDUP P-MAX3 LIBERTY ATRAZINE	5.88 2.34 4	SL SL L	25.0 32.0 64.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	103	0.0	0.0	99.0	99.0	99.0
								212	0.0	0.0	99.0	99.0	99.0
								311	0.0	0.0	99.0	99.0	99.0
								413	0.0	0.0	99.0	99.0	99.0
								Mean =	0.0	0.0	99.0	99.0	99.0
4	ROUNDUP P-MAX3 LIBERTY	5.88 2.34	SL SL	25.0 32.0	oz/a oz/a	EPOST EPOST	A A	104	0.0	5.0	99.0	99.0	99.0
								208	0.0	0.0	99.0	65.0	99.0
								306	0.0	0.0	99.0	99.0	99.0
								411	0.0	0.0	99.0	85.0	99.0
								Mean =	0.0	1.3	99.0	87.0	99.0
5	ROUNDUP P-MAX3 ATRAZINE	5.88 4	SL L	21.0 64.0	oz/a oz/a	EPOST EPOST	A A	105	0.0	5.0	99.0	99.0	99.0
								209	0.0	5.0	99.0	99.0	99.0
								312	0.0	0.0	99.0	99.0	99.0
								402	0.0	0.0	99.0	99.0	99.0
								Mean =	0.0	2.5	99.0	99.0	99.0
6	LIBERTY ATRAZINE	2.34 4	SL L	22.0 64.0	oz/a oz/a	EPOST EPOST	A A	106	0.0	0.0	99.0	99.0	99.0
								213	0.0	0.0	99.0	99.0	99.0
								307	0.0	0.0	99.0	99.0	99.0
								412	0.0	0.0	99.0	99.0	99.0
								Mean =	0.0	0.0	99.0	99.0	99.0
7	ROUNDUP P-MAX3 LIBERTY ATRAZINE	5.88 2.34 4	SL SL L	21.0 22.0 64.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	107	0.0	0.0	99.0	99.0	99.0
								202	0.0	0.0	99.0	99.0	99.0
								308	0.0	0.0	99.0	99.0	99.0
								410	0.0	0.0	99.0	99.0	99.0
								Mean =	0.0	0.0	99.0	99.0	99.0
8	ROUNDUP P-MAX3 LIBERTY ATRAZINE PROWL H20	5.88 2.34 4 3.8	SL SL L SC	21.0 22.0 64.0 32.0	oz/a oz/a oz/a oz/a	EPOST EPOST EPOST EPOST	A A A A	108	0.0	0.0	99.0	99.0	99.0
								201	0.0	0.0	99.0	99.0	99.0
								313	0.0	0.0	99.0	99.0	99.0
								401	0.0	0.0	99.0	99.0	99.0
								Mean =	0.0	0.0	99.0	99.0	99.0
9	ROUNDUP P-MAX3 LIBERTY ATRAZINE PROWL H20	5.88 2.34 4 3.8	SL SL L SC	25.0 32.0 64.0 32.0	oz/a oz/a oz/a oz/a	EPOST EPOST EPOST EPOST	A A A A	109	0.0	5.0	99.0	99.0	99.0
								206	0.0	0.0	99.0	99.0	99.0
								304	0.0	0.0	99.0	99.0	99.0
								406	0.0	0.0	99.0	99.0	99.0
								Mean =	0.0	1.3	99.0	99.0	99.0
10	ROUNDUP P-MAX3 REVULIN Q ATRAZINE	5.88 51.2 4	SL DG L	21.0 3.5 64.0	oz/a oz/a oz/a	EPOST EPOST EPOST	A A A	110	0.0	0.0	99.0	99.0	99.0
								203	0.0	0.0	99.0	99.0	99.0
								305	0.0	0.0	99.0	99.0	99.0
								407	0.0	0.0	99.0	99.0	99.0
								Mean =	0.0	0.0	99.0	99.0	99.0

# University of Georgia

ROUNDUP + LIBERTY TANK-MIXES FOR WEED CONTROL IN FIELD CORN					
Trial ID:	CN-03-21	Study Dir.:			
Location:	PONDER FARM	Investigator:	Eric P. Prostko		

Weed Code	-----	-----	Amapa	Lamam	Agrass
Crop Code	Zeama	Zeama	-----	-----	-----
Part Rated	Plant, -	Plant, -			
Rating Data Type	Chlorosi	Necrosis	Control	Control	Control
Rating Unit	%	%	%	%	%
Rating Date	Apr-28-21	Apr-28-21	Apr-28-21	Apr-28-21	Apr-28-21
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A
Trt Treatment	Form Form	Rate Grow	Appl		
No. Name	Conc Type	Rate Unit Stg	Code Plot	6	7
11 ROUNDUP P-MAX3	5.88 SL	21.0 oz/a	EPOST A	111	0.0
ATRAZINE	4 L	64.0 oz/a	EPOST A	207	0.0
PROWL H20	3.8 SC	32.0 oz/a	EPOST A	309	0.0
				405	0.0
			Mean =	0.0	0.0
12 LIBERTY	2.34 SL	32.0 oz/a	EPOST A	112	0.0
ATRAZINE	4 L	64.0 oz/a	EPOST A	204	0.0
PROWL H20	3.8 SC	32.0 oz/a	EPOST A	303	0.0
				409	0.0
			Mean =	0.0	0.0
13 NTC				113	0.0
				210	0.0
				302	0.0
				408	0.0
			Mean =	0.0	0.0

# University of Georgia

<b>ROUNDUP + LIBERTY TANK-MIXES FOR WEED CONTROL IN FIELD CORN</b>					
Trial ID:	CN-03-21	Study Dir.:			
Location:	PONDER FARM	Investigator:	Eric P. Prostko		

						----- Zeama	----- Zeama	----- Zeama	Amapa -----	Lamam -----	
						Stunt %	Chlorosi %	Necrosis %	Control %	Control %	
						May-14-21 30 DA-A	May-14-21 30 DA-A	May-14-21 30 DA-A	May-14-21 30 DA-A	May-14-21 30 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code Plot	11	12	13	14	15
1	ROUNDUP P-MAX3	5.88 SL		25.0 oz/a	EPOST A	101	0.0	0.0	0.0	99.0	99.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A	205	5.0	0.0	0.0	99.0	99.0
						310	0.0	0.0	0.0	99.0	99.0
						404	5.0	0.0	0.0	99.0	99.0
						Mean =	2.5	0.0	0.0	99.0	99.0
2	LIBERTY	2.34 SL		32.0 oz/a	EPOST A	102	0.0	0.0	0.0	99.0	99.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A	211	0.0	0.0	0.0	99.0	99.0
						301	0.0	0.0	0.0	99.0	99.0
						403	5.0	0.0	0.0	99.0	99.0
						Mean =	1.3	0.0	0.0	99.0	99.0
3	ROUNDUP P-MAX3	5.88 SL		25.0 oz/a	EPOST A	103	0.0	0.0	0.0	99.0	99.0
	LIBERTY	2.34 SL		32.0 oz/a	EPOST A	212	0.0	0.0	0.0	99.0	99.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A	311	0.0	0.0	0.0	99.0	99.0
						413	5.0	0.0	0.0	99.0	99.0
						Mean =	1.3	0.0	0.0	99.0	99.0
4	ROUNDUP P-MAX3	5.88 SL		25.0 oz/a	EPOST A	104	0.0	0.0	0.0	99.0	90.0
	LIBERTY	2.34 SL		32.0 oz/a	EPOST A	208	10.0	0.0	0.0	95.0	85.0
						306	0.0	0.0	0.0	50.0	99.0
						411	0.0	0.0	0.0	85.0	85.0
						Mean =	2.5	0.0	0.0	82.3	89.8
5	ROUNDUP P-MAX3	5.88 SL		21.0 oz/a	EPOST A	105	0.0	0.0	0.0	99.0	99.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A	209	5.0	0.0	0.0	99.0	99.0
						312	0.0	0.0	0.0	99.0	99.0
						402	0.0	0.0	0.0	99.0	99.0
						Mean =	1.3	0.0	0.0	99.0	99.0
6	LIBERTY	2.34 SL		22.0 oz/a	EPOST A	106	0.0	0.0	0.0	99.0	99.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A	213	10.0	0.0	0.0	99.0	99.0
						307	5.0	0.0	0.0	99.0	99.0
						412	0.0	0.0	0.0	99.0	99.0
						Mean =	3.8	0.0	0.0	99.0	99.0
7	ROUNDUP P-MAX3	5.88 SL		21.0 oz/a	EPOST A	107	0.0	0.0	0.0	99.0	99.0
	LIBERTY	2.34 SL		22.0 oz/a	EPOST A	202	5.0	0.0	0.0	99.0	99.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A	308	10.0	0.0	0.0	99.0	99.0
						410	0.0	0.0	0.0	99.0	99.0
						Mean =	3.8	0.0	0.0	99.0	99.0
8	ROUNDUP P-MAX3	5.88 SL		21.0 oz/a	EPOST A	108	0.0	0.0	0.0	99.0	99.0
	LIBERTY	2.34 SL		22.0 oz/a	EPOST A	201	5.0	0.0	0.0	99.0	99.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A	313	5.0	0.0	0.0	99.0	99.0
	PROWL H20	3.8 SC		32.0 oz/a	EPOST A	401	0.0	0.0	0.0	99.0	99.0
						Mean =	2.5	0.0	0.0	99.0	99.0
9	ROUNDUP P-MAX3	5.88 SL		25.0 oz/a	EPOST A	109	0.0	0.0	0.0	99.0	99.0
	LIBERTY	2.34 SL		32.0 oz/a	EPOST A	206	5.0	0.0	0.0	99.0	99.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A	304	5.0	0.0	0.0	99.0	99.0
	PROWL H20	3.8 SC		32.0 oz/a	EPOST A	406	0.0	0.0	0.0	99.0	99.0
						Mean =	2.5	0.0	0.0	99.0	99.0
10	ROUNDUP P-MAX3	5.88 SL		21.0 oz/a	EPOST A	110	0.0	0.0	0.0	99.0	99.0
	REVULIN Q	51.2 DG		3.5 oz/a	EPOST A	203	5.0	0.0	0.0	99.0	99.0
	ATRAZINE	4 L		64.0 oz/a	EPOST A	305	0.0	0.0	0.0	99.0	99.0
						407	0.0	0.0	0.0	99.0	99.0
						Mean =	1.3	0.0	0.0	99.0	99.0

# University of Georgia

ROUNDUP + LIBERTY TANK-MIXES FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-03-21      Study Dir.: Eric P. Prostko  
 Location: PONDER FARM      Investigator:

Weed Code						-----	-----	-----	Amapa	Lamam		
Crop Code						Zeama	Zeama	Zeama	-----	-----		
Part Rated												
Rating Data Type						Stunt	Chlorosi	Necrosis	Control	Control		
Rating Unit						%	%	%	%	%		
Rating Date						May-14-21	May-14-21	May-14-21	May-14-21	May-14-21		
Trt-Eval Interval						30 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	Plot	11	12	13	14	15
11	ROUNDUP P-MAX3	5.88	SL	21.0 oz/a	EPOST A	111		0.0	0.0	0.0	99.0	99.0
	ATRAZINE	4	L	64.0 oz/a	EPOST A	207		5.0	0.0	0.0	99.0	99.0
	PROWL H20	3.8	SC	32.0 oz/a	EPOST A	309		10.0	0.0	0.0	99.0	99.0
						405		5.0	0.0	0.0	99.0	99.0
						Mean =		5.0	0.0	0.0	99.0	99.0
12	LIBERTY	2.34	SL	32.0 oz/a	EPOST A	112		0.0	0.0	0.0	99.0	99.0
	ATRAZINE	4	L	64.0 oz/a	EPOST A	204		5.0	0.0	0.0	99.0	99.0
	PROWL H20	3.8	SC	32.0 oz/a	EPOST A	303		5.0	0.0	0.0	99.0	99.0
						409		0.0	0.0	0.0	99.0	99.0
						Mean =		2.5	0.0	0.0	99.0	99.0
13	NTC					113		0.0	0.0	0.0	0.0	0.0
						210		0.0	0.0	0.0	0.0	0.0
						302		0.0	0.0	0.0	0.0	0.0
						408		0.0	0.0	0.0	0.0	0.0
						Mean =		0.0	0.0	0.0	0.0	0.0

# University of Georgia

**ROUNDUP + LIBERTY TANK-MIXES FOR WEED CONTROL IN FIELD CORN**

Trial ID:	CN-03-21	Study Dir.:	Eric P. Prostko
Location:	PONDER FARM	Investigator:	

						Agrass -----	----- ZEAMA	----- ZEAMA	
						Control %	YIELD LBS/PLOT	YIELD BU/A	
						May-14-21 30 DA-A	Aug-23-21 131 DA-A	Aug-23-21 131 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit Stg	Appl Code Plot	16	17	18
1	ROUNDUP P-MAX3 ATRAZINE	5.88 SL	25.0 oz/a	EPOST A	101	95.0	53.0	265.5	
						205	51.0	255.5	
		4 L	64.0 oz/a	EPOST A	205	95.0	53.0	265.5	
						404	53.0	265.5	
		Mean =	97.0	52.5	263.0				
2	LIBERTY ATRAZINE	2.34 SL	32.0 oz/a	EPOST A	102	99.0	53.0	265.5	
						211	43.0	215.4	
		4 L	64.0 oz/a	EPOST A	211	99.0	51.0	255.5	
						403	53.0	265.5	
		Mean =	97.0	50.0	250.5				
3	ROUNDUP P-MAX3 LIBERTY ATRAZINE	5.88 SL	25.0 oz/a	EPOST A	103	99.0	51.0	255.5	
						212	45.0	225.5	
		2.34 SL	32.0 oz/a	EPOST A	212	99.0	48.0	240.5	
						311	51.0	255.5	
		4 L	64.0 oz/a	EPOST A	413	85.0	51.0	255.5	
Mean =	95.5	48.8	244.2						
4	ROUNDUP P-MAX3 LIBERTY	5.88 SL	25.0 oz/a	EPOST A	104	99.0	52.0	260.5	
						208	49.0	245.5	
		2.34 SL	32.0 oz/a	EPOST A	208	99.0	51.0	255.5	
						306	48.0	240.5	
		4 L	64.0 oz/a	EPOST A	411	85.0	48.0	240.5	
Mean =	94.5	50.0	250.5						
5	ROUNDUP P-MAX3 ATRAZINE	5.88 SL	21.0 oz/a	EPOST A	105	95.0	53.0	265.5	
						209	47.0	235.5	
		4 L	64.0 oz/a	EPOST A	209	99.0	51.0	255.5	
						312	54.0	270.6	
		402	99.0	51.3	256.8				
Mean =	94.5	51.3	256.8						
6	LIBERTY ATRAZINE	2.34 SL	22.0 oz/a	EPOST A	106	99.0	51.0	255.5	
						213	46.0	230.5	
		4 L	64.0 oz/a	EPOST A	213	90.0	43.0	215.4	
						412	55.0	275.6	
		Mean =	94.8	48.8	244.2				
7	ROUNDUP P-MAX3 LIBERTY ATRAZINE	5.88 SL	21.0 oz/a	EPOST A	107	99.0	48.0	240.5	
						202	54.0	270.6	
		2.34 SL	22.0 oz/a	EPOST A	202	95.0	49.0	245.5	
						308	57.0	285.6	
		4 L	64.0 oz/a	EPOST A	410	99.0	52.0	260.5	
Mean =	93.3	52.0	260.5						
8	ROUNDUP P-MAX3 LIBERTY ATRAZINE PROWL H20	5.88 SL	21.0 oz/a	EPOST A	108	99.0	52.0	260.5	
						201	55.0	275.6	
		2.34 SL	22.0 oz/a	EPOST A	201	99.0	51.0	255.5	
						313	53.0	265.5	
		4 L	64.0 oz/a	EPOST A	401	99.0	52.8	264.3	
3.8 SC	32.0 oz/a	EPOST A	401	99.0	52.8	264.3			
Mean =	99.0	52.8	264.3						
9	ROUNDUP P-MAX3 LIBERTY ATRAZINE PROWL H20	5.88 SL	25.0 oz/a	EPOST A	109	99.0	43.0	215.4	
						206	52.0	260.5	
		2.34 SL	32.0 oz/a	EPOST A	206	99.0	52.0	260.5	
						304	53.0	265.5	
		4 L	64.0 oz/a	EPOST A	406	99.0	50.0	250.5	
3.8 SC	32.0 oz/a	EPOST A	406	99.0	50.0	250.5			
Mean =	99.0	50.0	250.5						
10	ROUNDUP P-MAX3 REVULIN Q ATRAZINE	5.88 SL	21.0 oz/a	EPOST A	110	99.0	48.0	240.5	
						203	51.0	255.5	
		51.2 DG	3.5 oz/a	EPOST A	203	95.0	49.0	245.5	
						305	44.0	220.4	
		4 L	64.0 oz/a	EPOST A	407	95.0	44.0	220.4	
Mean =	96.0	48.0	240.5						



# University of Georgia

ROUNDUP + LIBERTY TANK-MIXES FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-03-21      Study Dir.: Eric P. Prostko  
 Location: PONDER FARM      Investigator:

Weed Code							Agrass	-----	-----		
Crop Code							-----	ZEAMA	ZEAMA		
Part Rated											
Rating Data Type							Control	YIELD	YIELD		
Rating Unit							%	LBS/PLOT	BU/A		
Rating Date							May-14-21	Aug-23-21	Aug-23-21		
Trt-Eval Interval							30 DA-A	131 DA-A	131 DA-A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Plot	16	17	18
11	ROUNDUP P-MAX3	5.88	SL	21.0	oz/a	EPOST A	111		99.0	45.0	225.5
	ATRAZINE	4	L	64.0	oz/a	EPOST A	207		99.0	46.0	230.5
	PROWL H20	3.8	SC	32.0	oz/a	EPOST A	309		99.0	46.0	230.5
							405		99.0	52.0	260.5
							Mean =		99.0	47.3	236.7
12	LIBERTY	2.34	SL	32.0	oz/a	EPOST A	112		99.0	53.0	265.5
	ATRAZINE	4	L	64.0	oz/a	EPOST A	204		99.0	51.0	255.5
	PROWL H20	3.8	SC	32.0	oz/a	EPOST A	303		95.0	52.0	260.5
							409		99.0	46.0	230.5
							Mean =		98.0	50.5	253.0
13	NTC						113		0.0	33.0	165.3
							210		0.0	47.0	235.5
							302		0.0	50.0	250.5
							408		0.0	51.0	255.5
							Mean =		0.0	45.3	226.7

# University of Georgia

ROUNDUP + LIBERTY TANK-MIXES FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-03-21 Study Dir.:  
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

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

Lamam = HENBIT / LAMIUM AMPLEXICAULE L.

Part Rated

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

PRM Data Type

TY1 = 5.0101978\*[C17]