

# University of Georgia

CORVUS, CAPRENO, AND LAUDIS FOR WEED CONTROL  
IN FIELD CORN

Trial ID: CN-05-17      Study Dir.: KEITH "NACHO" RUCKER  
Location: PONDER FARM      Investigator: Eric P. Prostko

Reps: 4      Plots: 6 by 25 feet  
Spray vol: 15 GAL/AC      Mix Size: 1.5 liters (.78211 liters calculated mix size)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Rep 1	Rep 2	Rep 3	Rep 4
1	NTC								101	205	316	411
2	CORVUS ATRAZINE	2.63 4 L	SC	3.33 oz/a 2.0 qt/a		EPOST EPOST	A A	2.601 ml/mx 49.99 ml/mx	102	211	308	414
3	ROUNDUP P-MAX CORVUS ATRAZINE	5.5 2.63 4 L	SL SC	32.0 oz/a 3.33 oz/a 2.0 qt/a		EPOST EPOST EPOST	A A A	25.0 ml/mx 2.601 ml/mx 49.99 ml/mx	103	208	302	409
4	LIBERTY CORVUS ATRAZINE	2.34 2.63 4 L	SL SC	29.0 oz/a 3.33 oz/a 2.0 qt/a		EPOST EPOST EPOST	A A A	22.65 ml/mx 2.601 ml/mx 49.99 ml/mx	104	210	301	415
5	CAPRENO ATRAZINE COC AMS XTRA	3.45 4 L  3.4 SL	SC	3.0 oz/a 2.0 qt/a 1.0 % v/v 2.5 % v/v		POST POST POST POST	B B B B	2.343 ml/mx 49.99 ml/mx 15.0 ml/mx 37.5 ml/mx	105	204	313	406
6	ROUNDUP P-MAX CAPRENO ATRAZINE	5.5 3.45 4 L	SL SC	32.0 oz/a 3.0 oz/a 2.0 qt/a		POST POST POST	B B B	25.0 ml/mx 2.343 ml/mx 49.99 ml/mx	106	209	305	408
7	LIBERTY CAPRENO ATRAZINE	2.34 3.45 4 L	SL SC	29.0 oz/a 3.0 oz/a 2.0 qt/a		POST POST POST	B B B	22.65 ml/mx 2.343 ml/mx 49.99 ml/mx	107	215	314	403
8	LAUDIS ATRAZINE MSO AMS XTRA	3.5 4 L  3.4 SL	SC	3.0 oz/a 2.0 qt/a 1.0 % v/v 2.5 % v/v		POST POST POST POST	B B B B	2.343 ml/mx 49.99 ml/mx 15.0 ml/mx 37.5 ml/mx	108	201	311	410
9	ROUNDUP P-MAX LAUDIS ATRAZINE	5.5 3.5 4 L	SL SC	32.0 oz/a 3.0 oz/a 2.0 qt/a		POST POST POST	B B B	25.0 ml/mx 2.343 ml/mx 49.99 ml/mx	109	203	309	401
10	LIBERTY LAUDIS ATRAZINE	2.34 3.5 4 L	SL SC	29.0 oz/a 3.0 oz/a 2.0 qt/a		POST POST POST	B B B	22.65 ml/mx 2.343 ml/mx 49.99 ml/mx	110	214	307	416
11	ROUNDUP P-MAX ATRAZINE PROWL H20	5.5 4 L 3.8 SC	SL	32.0 oz/a 2.0 qt/a 32.0 oz/a		POST POST POST	B B B	25.0 ml/mx 49.99 ml/mx 25.0 ml/mx	111	216	306	413
12	STEADFAST Q ATRAZINE COC	37.7 4 L	DG	1.5 oz/a 2.0 qt/a 1.0 % v/v		POST POST POST	B B B	1.123 g/mx 49.99 ml/mx 15.0 ml/mx	112	213	312	405
13	REVULIN Q ATRAZINE COC	51.2 4 L	WG	3.4 oz/a 2.0 qt/a 1.0 % v/v		POST POST POST	B B B	2.546 g/mx 49.99 ml/mx 15.0 ml/mx	113	202	310	404
14	HALEX GT ATRAZINE COC	4.39 4 L	SC	58.0 oz/a 2.0 qt/a 0.25 % v/v		POST POST POST	B B B	45.31 ml/mx 49.99 ml/mx 3.75 ml/mx	114	207	304	412
15	LIBERTY ATRAZINE PROWL H20	2.34 4 L 3.8 SC	SL	29.0 oz/a 2.0 qt/a 32.0 oz/a		POST POST POST	B B B	22.65 ml/mx 49.99 ml/mx 25.0 ml/mx	115	206	315	402
16	NTC								116	212	303	407

Sort Order: Treatment

Trial Comments

CORN EMERGED ON APRIL 3, 2017  
GDD (50/86) EPOST = 112  
GDD (50/86) POST = 251

CORVUS = ISOXAFLUTOLE + THIENCARBAZONE + SAFENER  
CAPRENO = TEMBOTRIONE + THIENCARBAZONE + SAFENER  
LAUDIS = TEMBOTRIONE + SAFENER  
STEADFAST Q = RIMSULFURON + NICOSULFURON + SAFENER

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REVULIN Q = NICOSULFURON (14.4%) + MESOTRIONE (36.8%) + SAFENER  
HALEX GT = GLYPHOSATE (2.09 LB/GAL) + S-MOC (2.09 LB/GAL) + MESOTRIONE (0.209 LB/A)

COC = RELIABLE  
MSO = MES 100

HARVEST DATE: AUGUST 21  
HARVEST MOISTURE = 15.48%  
YIELDS ADJUSTED TO 15.5% MOISTURE

FINAL CORN POPULATION: 27,878

### **SUMMARY:**

- 1) EPOST APPLICATIONS OF CORVUS CAUSED SIGNIFICANT CORN INJURY EARLY IN THE SEASON.
- 2) ALL HERBICIDE TREATMENTS PROVIDED EXCELLENT CONTROL (>95%) OF PALMER AMARANTH, ANNUAL GRASSES, AND WILD RADISH.
- 3) CORN YIELDS WERE NOT INFLUENCED BY ANY HERBICIDE TREATMENT (P = 0.2449).

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CORVUS, CAPRENO, AND LAUDIS FOR WEED CONTROL  
IN FIELD CORN

Trial ID: CN-05-17      Study Dir.: KEITH "NACHO" RUCKER  
Location: PONDER FARM      Investigator: Eric P. Prostko

**GENERAL TRIAL INFORMATION**

**Study Director:** KEITH "NACHO" RUCKER      **Title:** \_\_\_\_\_  
**Affiliation:** \_\_\_\_\_      **Postal Code:** \_\_\_\_\_

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

**Trial Status:** \_\_\_\_\_      **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.** AGRASS MILLET/CRAB/GOOSE/CROW  
**Weed 3.** RAPRA WILD RADISH      **4.** CASOB SICKLEPOD  
**Weed 5.** IPOSP PITTED/IVYLEAF MG      **6.** \_\_\_\_\_

**Crop 1:** ZEAMA FIELD CORN      **Variety:** PIONEER 1794VYHR      **Planting Date:** Mar-29-17  
**Planting Method:** MONOSEM      **Rate:** 33880 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:** PONCHO/VOTIVO SEED TRT; 800 LBS/A 5-15-30 PREPLANT;

Previous: Crops	Pesticides	Year
1. COTTON	2016	_____

**MAINTENANCE**

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

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

**SOIL DESCRIPTION**

**Texture:** SAND      **% OM:** 0.93      **% Sand:** 94      **% Silt:** 4      **% Clay:** 2  
**pH:** 6.7      **CEC:** 5      **Soil Name:** TIFTON      **Fertility Level:** GOOD

**MOISTURE CONDITIONS**

On: Date	Time	Amount	Unit	Type	Interval	Unit
1.	Mar-30-17	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
2.	Apr-3-17	0.9	IN	RAINFALL	_____	_____
3.	Apr-4-17	0.01	IN	RAINFALL	_____	_____
4.	Apr-5-17	2.04	IN	RAINFALL	_____	_____
5.	Apr-11-17	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
6.	Apr-13-17	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
7.	Apr-18-17	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
8.	Apr-21-17	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
9.	Apr-23-17	0.17	IN	RAINFALL	_____	_____
10.	Apr-26-17	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
11.	Apr-28-17	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
12.	May-1-17	0.1	IN	RAINFALL	_____	_____
13.	May-2-17	0.75	IN	SPRINKLER - LATERAL MOVE	_____	_____
14.	May-2-17	0.01	IN	RAINFALL	_____	_____
15.	May-4-17	1.47	IN	RAINFALL	_____	_____

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

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		APPLICATION DESCRIPTION					
		A	B	C	D	E	F
Application Date:	Apr-10-17	Apr-17-17					
Time of Day:	7:30 AM	8:00 AM					
Application Method:	BROADCAST	BROADCAST					
Application Timing:	EPOST	POST					
Applic. Placement:	FOLIAGE	FOLIAGE					
Air Temp., Unit:	50 F	58 F					
% Relative Humidity:	90	83					
Wind Velocity, Unit:	1 MPH	1 MPH					
Dew Presence (Y/N):	Y	Y					
Water Hardness:	--	--					
Soil Temp., Unit:	60 F	66 F					
Soil Moisture:	OPTIMUM	OPTIMUM					
% Cloud Cover:	0	0					

		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1	Stage: ZEAMA						
Stage Scale:	V1-V2	V3-V4					
Height, Unit:	3 IN	4.5 IN					

		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: AMAPA	0.5"	0.5-1"				
Stage Scale:							
Density, Unit:							
Weed 2	Stage: AGRASS	0.5"	0.5-1"				
Stage Scale:							
Density, Unit:							
Weed 3	Stage: RAPRA	1-2"	1-3"				
Stage Scale:							
Density, Unit:							
Weed 4	Stage: CASOB		1"				
Stage Scale:							
Density, Unit:							
Weed 5	Stage: IPOSP	0.5"	0.5"				
Stage Scale:							
Density, Unit:							

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK					
Operating Pressure:	35	35					
Nozzle Type:	AIXR	AIXR					
Nozzle Size:	11002	11002					
Nozzle Spacing, Unit:	18 IN	18 IN					
Nozzles/Row:	2	2					
Band Width, Unit:							
Boom Length, Unit:	72 IN	72 IN					
Boom Height, Unit:	20 IN	20 IN					
Ground Speed, Unit:	3.5 MPH	3.5 MPH					
Incorporation Equip.:							
Hours to Incorp.:							
Incorp. Depth, Unit:							
Carrier:	WATER	WATER					
Spray Volume, Unit:	15 GPA	15 GPA					
Spray pH:							
Propellant:	CO2	CO2					
Tank Mix (Y/N):	--	--					

Trt No	Treatment Application Comment

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Location: PONDER FARM      Investigator: Eric P. Prostko													
Weed Code							----- ZEAMA	----- ZEAMA	AMAPA -----	RAPRA -----	A.GRASS -----	----- ZEAMA	----- ZEAMA
Crop Code							STUNT PERCENT	CHLORO PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	STUNT PERCENT	CHLORO PERCENT
Part Rated							Apr-17-17	Apr-17-17	Apr-17-17	Apr-17-17	Apr-17-17	Apr-24-17	Apr-24-17
Rating Data Type													
Rating Unit													
Rating Date													
PRM Data Type													
# Subsamples, Dec.													
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	7
1	NTC						0.0 c	0.0 d	0.0 b	0.0 b	0.0 c	0.0 e	0.0 e
2	CORVUS ATRAZINE	2.63 4 L	SC	3.33 oz/a 2.0 qt/a	EPOST EPOST	A A	12.5 b	7.5 c	99.0 a	99.0 a	99.0 a	12.5 b	0.0 e
3	ROUNDUP P-MAX CORVUS ATRAZINE	5.5 2.63 4 L	SL SC	32.0 oz/a 3.33 oz/a 2.0 qt/a	EPOST EPOST EPOST	A A A	20.0 a	10.0 b	99.0 a	99.0 a	98.0 b	23.8 a	2.5 cde
4	LIBERTY CORVUS ATRAZINE	2.34 2.63 4 L	SL SC	29.0 oz/a 3.33 oz/a 2.0 qt/a	EPOST EPOST EPOST	A A A	22.5 a	13.8 a	99.0 a	99.0 a	99.0 a	27.5 a	5.0 bc
5	CAPRENO ATRAZINE COC AMS XTRA	3.45 4 L	SC	3.0 oz/a 2.0 qt/a 1.0 % v/v 2.5 % v/v	POST POST POST POST	B B B B	0.0 c	0.0 d	0.0 b	0.0 b	0.0 c	11.3 bc	7.5 b
6	ROUNDUP P-MAX CAPRENO ATRAZINE	5.5 3.45 4 L	SL SC	32.0 oz/a 3.0 oz/a 2.0 qt/a	POST POST POST	B B B	0.0 c	0.0 d	0.0 b	0.0 b	0.0 c	7.5 b-e	2.5 cde
7	LIBERTY CAPRENO ATRAZINE	2.34 3.45 4 L	SL SC	29.0 oz/a 3.0 oz/a 2.0 qt/a	POST POST POST	B B B	0.0 c	0.0 d	0.0 b	0.0 b	0.0 c	5.0 cde	5.0 bc
8	LAUDIS ATRAZINE MSO AMS XTRA	3.5 4 L	SC	3.0 oz/a 2.0 qt/a 1.0 % v/v 2.5 % v/v	POST POST POST POST	B B B B	0.0 c	0.0 d	0.0 b	0.0 b	0.0 c	7.5 b-e	3.8 cd
9	ROUNDUP P-MAX LAUDIS ATRAZINE	5.5 3.5 4 L	SL SC	32.0 oz/a 3.0 oz/a 2.0 qt/a	POST POST POST	B B B	0.0 c	0.0 d	0.0 b	0.0 b	0.0 c	1.3 e	2.5 cde
10	LIBERTY LAUDIS ATRAZINE	2.34 3.5 4 L	SL SC	29.0 oz/a 3.0 oz/a 2.0 qt/a	POST POST POST	B B B	0.0 c	0.0 d	0.0 b	0.0 b	0.0 c	5.0 cde	1.3 de
11	ROUNDUP P-MAX ATRAZINE PROWL H20	5.5 4 L	SL	32.0 oz/a 2.0 qt/a 32.0 oz/a	POST POST POST	B B B	0.0 c	0.0 d	0.0 b	0.0 b	0.0 c	3.8 de	1.3 de
12	STEADFAST Q ATRAZINE COC	37.7 4 L	DG	1.5 oz/a 2.0 qt/a 1.0 % v/v	POST POST POST	B B B	0.0 c	0.0 d	0.0 b	0.0 b	0.0 c	0.0 e	1.3 de
13	REVULIN Q ATRAZINE COC	51.2 4 L	WG	3.4 oz/a 2.0 qt/a 1.0 % v/v	POST POST POST	B B B	0.0 c	0.0 d	0.0 b	0.0 b	0.0 c	8.8 bcd	3.8 cd
14	HALEX GT ATRAZINE COC	4.39 4 L	SC	58.0 oz/a 2.0 qt/a 0.25 % v/v	POST POST POST	B B B	0.0 c	0.0 d	0.0 b	0.0 b	0.0 c	6.3 b-e	15.0 a
15	LIBERTY ATRAZINE PROWL H20	2.34 4 L	SL	29.0 oz/a 2.0 qt/a 32.0 oz/a	POST POST POST	B B B	0.0 c	0.0 d	0.0 b	0.0 b	0.0 c	5.0 cde	0.0 e

Means followed by same letter or symbol do not significantly differ (P=.10, Duncan's New MRT)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Could not calculate LSD (% mean diff) for columns 3,4,8,10 because error mean square = 0.

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							----- ZEAMA	----- ZEAMA	AMAPA -----	RAPRA -----	A.GRASS -----	----- ZEAMA	----- ZEAMA
							STUNT PERCENT Apr-17-17	CHLORO PERCENT Apr-17-17	CONTROL PERCENT Apr-17-17	CONTROL PERCENT Apr-17-17	CONTROL PERCENT Apr-17-17	STUNT PERCENT Apr-24-17	CHLORO PERCENT Apr-24-17
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	1	2	3	4	5	6	7
	16 NTC						0.0 c	0.0 d	0.0 b	0.0 b	0.0 c	0.0 e	0.0 e
	LSD P=.10						3.36	1.67	.	.	0.59	6.38	3.12
	Standard Deviation						2.83	1.41	0.00	0.00	0.50	5.37	2.63
	CV						82.21	72.19	0.0	0.0	2.7	68.8	82.12
	Grand Mean						3.44	1.95	18.56	18.56	18.50	7.81	3.20
	Bartlett's X2						0.033	0.729	0.0	0.0	0.0	12.762	4.3
	P(Bartlett's X2)						0.984	0.393	.	.	.	0.387	0.891
	Replicate F						1.696	0.721	0.000	0.000	1.000	0.144	1.562
	Replicate Prob(F)						0.1814	0.5450	1.0000	1.0000	0.4016	0.9328	0.2117
	Treatment F						29.165	38.135	0.000	0.000	25312.003	8.726	8.428
	Treatment Prob(F)						0.0001	0.0001	1.0000	1.0000	0.0001	0.0001	0.0001

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 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Could not calculate LSD (% mean diff) for columns 3,4,8,10 because error mean square = 0.

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.						AMAPA ----- CONTROL PERCENT Apr-24-17	A.GRASS ----- CONTROL PERCENT Apr-24-17	RAPRA ----- CONTROL PERCENT Apr-24-17	----- ZEAMA ----- STUNT PERCENT May-5-17	AMAPA ----- CONTROL PERCENT May-5-17	RAPRA ----- CONTROL PERCENT May-5-17	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	8	9	10	11	12	13
1	NTC						0.0 b	0.0 c	0.0 b	0.0 c	0.0 c	0.0 c
2	CORVUS ATRAZINE	2.63 4	SC L	3.33 oz/a 2.0 qt/a	EPOST EPOST	A A	100.0 a	100.0 a	100.0 a	8.8 b	100.0 a	100.0 a
3	ROUNDUP P-MAX CORVUS ATRAZINE	5.5 2.63 4	SL SC L	32.0 oz/a 3.33 oz/a 2.0 qt/a	EPOST EPOST EPOST	A A A	100.0 a	100.0 a	100.0 a	16.3 a	100.0 a	100.0 a
4	LIBERTY CORVUS ATRAZINE	2.34 2.63 4	SL SC L	29.0 oz/a 3.33 oz/a 2.0 qt/a	EPOST EPOST EPOST	A A A	100.0 a	100.0 a	100.0 a	21.3 a	100.0 a	100.0 a
5	CAPRENO ATRAZINE COC AMS XTRA	3.45 4 3.4	SC L SL	3.0 oz/a 2.0 qt/a 1.0 % v/v 2.5 % v/v	POST POST POST POST	B B B B	100.0 a	100.0 a	100.0 a	6.3 bc	100.0 a	100.0 a
6	ROUNDUP P-MAX CAPRENO ATRAZINE	5.5 3.45 4	SL SC L	32.0 oz/a 3.0 oz/a 2.0 qt/a	POST POST POST	B B B	100.0 a	100.0 a	100.0 a	1.3 c	100.0 a	100.0 a
7	LIBERTY CAPRENO ATRAZINE	2.34 3.45 4	SL SC L	29.0 oz/a 3.0 oz/a 2.0 qt/a	POST POST POST	B B B	100.0 a	100.0 a	100.0 a	5.0 bc	100.0 a	100.0 a
8	LAUDIS ATRAZINE MSO AMS XTRA	3.5 4 3.4	SC L SL	3.0 oz/a 2.0 qt/a 1.0 % v/v 2.5 % v/v	POST POST POST POST	B B B B	100.0 a	100.0 a	100.0 a	5.0 bc	100.0 a	100.0 a
9	ROUNDUP P-MAX LAUDIS ATRAZINE	5.5 3.5 4	SL SC L	32.0 oz/a 3.0 oz/a 2.0 qt/a	POST POST POST	B B B	100.0 a	100.0 a	100.0 a	0.0 c	100.0 a	100.0 a
10	LIBERTY LAUDIS ATRAZINE	2.34 3.5 4	SL SC L	29.0 oz/a 3.0 oz/a 2.0 qt/a	POST POST POST	B B B	100.0 a	100.0 a	100.0 a	3.8 bc	100.0 a	100.0 a
11	ROUNDUP P-MAX ATRAZINE PROWL H20	5.5 4 3.8	SL L SC	32.0 oz/a 2.0 qt/a 32.0 oz/a	POST POST POST	B B B	100.0 a	100.0 a	100.0 a	2.5 c	100.0 a	100.0 a
12	STEADFAST Q ATRAZINE COC	37.7 4	DG L	1.5 oz/a 2.0 qt/a 1.0 % v/v	POST POST POST	B B B	100.0 a	96.3 a	100.0 a	3.8 bc	100.0 a	100.0 a
13	REVULIN Q ATRAZINE COC	51.2 4	WG L	3.4 oz/a 2.0 qt/a 1.0 % v/v	POST POST POST	B B B	100.0 a	82.5 b	100.0 a	6.3 bc	100.0 a	100.0 a
14	HALEX GT ATRAZINE COC	4.39 4	SC L	58.0 oz/a 2.0 qt/a 0.25 % v/v	POST POST POST	B B B	100.0 a	100.0 a	100.0 a	2.5 c	100.0 a	100.0 a
15	LIBERTY ATRAZINE PROWL H20	2.34 4 3.8	SL L SC	29.0 oz/a 2.0 qt/a 32.0 oz/a	POST POST POST	B B B	100.0 a	100.0 a	100.0 a	2.5 c	100.0 a	100.0 a

Means followed by same letter or symbol do not significantly differ (P=.10, Duncan's New MRT)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Could not calculate LSD (% mean diff) for columns 3,4,8,10 because error mean square = 0.

# University of Georgia

Weed Code							AMAPA	A. GRASS	RAPRA	-----	AMAPA	RAPRA	
Crop Code							-----	-----	-----	ZEAMA	-----	-----	
Part Rated													
Rating Data Type							CONTROL	CONTROL	CONTROL	STUNT	CONTROL	CONTROL	
Rating Unit							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date							Apr-24-17	Apr-24-17	Apr-24-17	May-5-17	May-5-17	May-5-17	
PRM Data Type													
# Subsamples, Dec.													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	Appl Code	8	9	10	11	12	13
	16 NTC							0.0 b	0.0 c	0.0 b	0.0 c	25.0 b	25.0 b
LSD P=.10							.	6.32	.	5.23	14.84	14.84	
Standard Deviation							0.00	5.32	0.00	4.40	12.50	12.50	
CV							0.0	6.17	0.0	82.86	14.04	14.04	
Grand Mean							87.50	86.17	87.50	5.31	89.06	89.06	
Bartlett's X2							0.0	2.536	0.0	9.986	0.0	0.0	
P(Bartlett's X2)							.	0.111	.	0.617	.	.	
Replicate F							0.000	1.412	0.000	0.914	1.000	1.000	
Replicate Prob(F)							1.0000	0.2516	1.0000	0.4418	0.4016	0.4016	
Treatment F							0.000	162.604	0.000	7.118	23.400	23.400	
Treatment Prob(F)							1.0000	0.0001	1.0000	0.0001	0.0001	0.0001	

Means followed by same letter or symbol do not significantly differ (P=.10, Duncan's New MRT)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Could not calculate LSD (% mean diff) for columns 3,4,8,10 because error mean square = 0.



# University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.						A.GRASS ----- CONTROL PERCENT May-5-17	ZEAMA ----- STUNT PERCENT May-16-17	AMAPA ----- CONTROL PERCENT May-16-17	RAPRA ----- CONTROL PERCENT May-16-17	ZEAMA YIELD - LBS/PLOT Aug-21-17	ZEAMA YIELD - BU/A Aug-21-17 TY1 - 0	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	14	15	16	17	18	19
1	NTC						0.0 c	0.0 c	0.0 c	0.0 c	44.8 a	232 a
2	CORVUS ATRAZINE	2.63 4 L	SC	3.33 oz/a 2.0 qt/a	EPOST EPOST	A A	100.0 a	3.8 b	100.0 a	100.0 a	48.0 a	249 a
3	ROUNDUP P-MAX CORVUS ATRAZINE	5.5 2.63 4 L	SL SC	32.0 oz/a 3.33 oz/a 2.0 qt/a	EPOST EPOST EPOST	A A A	100.0 a	8.8 a	100.0 a	100.0 a	47.5 a	246 a
4	LIBERTY CORVUS ATRAZINE	2.34 2.63 4 L	SL SC	29.0 oz/a 3.33 oz/a 2.0 qt/a	EPOST EPOST EPOST	A A A	100.0 a	11.3 a	100.0 a	100.0 a	46.8 a	242 a
5	CAPRENO ATRAZINE COC AMS XTRA	3.45 4 L  3.4 SL	SC	3.0 oz/a 2.0 qt/a 1.0 % v/v 2.5 % v/v	POST POST POST POST	B B B B	100.0 a	0.0 c	100.0 a	100.0 a	48.3 a	250 a
6	ROUNDUP P-MAX CAPRENO ATRAZINE	5.5 3.45 4 L	SL SC	32.0 oz/a 3.0 oz/a 2.0 qt/a	POST POST POST	B B B	98.8 a	0.0 c	100.0 a	100.0 a	48.0 a	249 a
7	LIBERTY CAPRENO ATRAZINE	2.34 3.45 4 L	SL SC	29.0 oz/a 3.0 oz/a 2.0 qt/a	POST POST POST	B B B	100.0 a	0.0 c	100.0 a	100.0 a	47.8 a	248 a
8	LAUDIS ATRAZINE MSO AMS XTRA	3.5 4 L  3.4 SL	SC	3.0 oz/a 2.0 qt/a 1.0 % v/v 2.5 % v/v	POST POST POST POST	B B B B	100.0 a	0.0 c	100.0 a	100.0 a	48.8 a	253 a
9	ROUNDUP P-MAX LAUDIS ATRAZINE	5.5 3.5 4 L	SL SC	32.0 oz/a 3.0 oz/a 2.0 qt/a	POST POST POST	B B B	98.8 a	0.0 c	100.0 a	100.0 a	46.8 a	242 a
10	LIBERTY LAUDIS ATRAZINE	2.34 3.5 4 L	SL SC	29.0 oz/a 3.0 oz/a 2.0 qt/a	POST POST POST	B B B	100.0 a	0.0 c	100.0 a	100.0 a	48.8 a	253 a
11	ROUNDUP P-MAX ATRAZINE PROWL H20	5.5 4 L 3.8 SC	SL	32.0 oz/a 2.0 qt/a 32.0 oz/a	POST POST POST	B B B	100.0 a	0.0 c	100.0 a	100.0 a	49.0 a	254 a
12	STEADFAST Q ATRAZINE COC	37.7 4 L	DG	1.5 oz/a 2.0 qt/a 1.0 % v/v	POST POST POST	B B B	100.0 a	0.0 c	100.0 a	100.0 a	47.5 a	246 a
13	REVULIN Q ATRAZINE COC	51.2 4 L	WG	3.4 oz/a 2.0 qt/a 1.0 % v/v	POST POST POST	B B B	100.0 a	1.3 bc	100.0 a	100.0 a	46.3 a	240 a
14	HALEX GT ATRAZINE COC	4.39 4 L	SC	58.0 oz/a 2.0 qt/a 0.25 % v/v	POST POST POST	B B B	100.0 a	1.3 bc	100.0 a	100.0 a	49.0 a	254 a
15	LIBERTY ATRAZINE PROWL H20	2.34 4 L 3.8 SC	SL	29.0 oz/a 2.0 qt/a 32.0 oz/a	POST POST POST	B B B	100.0 a	0.0 c	100.0 a	100.0 a	48.0 a	249 a

Means followed by same letter or symbol do not significantly differ (P=.10, Duncan's New MRT)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Could not calculate LSD (% mean diff) for columns 3,4,8,10 because error mean square = 0.

# University of Georgia

Weed Code						A. GRASS	-----	AMAPA	RAPRA	-----	-----	
Crop Code						-----	ZEAMA	-----	-----	ZEAMA	ZEAMA	
Part Rated						CONTROL	STUNT	CONTROL	CONTROL	YIELD -	YIELD -	
Rating Data Type						PERCENT	PERCENT	PERCENT	PERCENT	LBS/PLOT	BU/A	
Rating Unit												
Rating Date						May-5-17	May-16-17	May-16-17	May-16-17	Aug-21-17	Aug-21-17	
PRM Data Type											TY1	
# Subsamples, Dec.											- 0	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	14	15	16	17	18	19
16	NTC						25.0 b	0.0 c	25.0 b	25.0 b	46.3 a	240 a
LSD P=.10						14.98	2.93	14.84	14.84	2.45	12.7	
Standard Deviation						12.61	2.47	12.50	12.50	2.07	10.7	
CV						14.19	150.36	14.04	14.04	4.34	4.34	
Grand Mean						88.91	1.64	89.06	89.06	47.58	246.8	
Bartlett's X2						25.632	3.676	0.0	0.0	13.578	13.578	
P(Bartlett's X2)						0.001*	0.452	.	.	0.558	0.558	
Replicate F						0.796	1.091	1.000	1.000	1.781	1.781	
Replicate Prob(F)						0.5028	0.3625	0.4016	0.4016	0.1643	0.1643	
Treatment F						22.899	7.767	23.400	23.400	1.295	1.295	
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.2449	0.2449	

Means followed by same letter or symbol do not significantly differ (P=.10, Duncan's New MRT)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Could not calculate LSD (% mean diff) for columns 3,4,8,10 because error mean square = 0.

# University of Georgia

CORVUS, CAPRENO, AND LAUDIS FOR WEED CONTROL  
IN FIELD CORN  
Trial ID: CN-05-17 Study Dir.: KEITH "NACHO" RUCKER  
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code  
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.  
RAPRA = RADISH, WILD / RAPHANUS RAPHANISTRUM L.  
PRM Data Type  
TY1 = 5.186942\*[18]

# University of Georgia

CORVUS, CAPRENO, AND LAUDIS FOR WEED CONTROL IN FIELD CORN													
Trial ID: CN-05-17		Study Dir.: KEITH "NACHO" RUCKER											
Location: PONDER FARM		Investigator: Eric P. Prostko											
Weed Code		----- ZEAMA		----- ZEAMA		----- AMAPA		----- RAPRA		----- A.GRASS			
Crop Code		STUNT		CHLORO		CONTROL		CONTROL		CONTROL			
Part Rated		PERCENT		PERCENT		PERCENT		PERCENT		PERCENT			
Rating Data Type		Apr-17-17		Apr-17-17		Apr-17-17		Apr-17-17		Apr-17-17			
Rating Unit													
Rating Date													
PRM Data Type													
# Subsamples, Dec.													
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6
1	NTC						101	0.0	0.0	0.0	0.0	0.0	0.0
							205	0.0	0.0	0.0	0.0	0.0	0.0
							316	0.0	0.0	0.0	0.0	0.0	0.0
							411	0.0	0.0	0.0	0.0	0.0	0.0
							Mean =	0.0	0.0	0.0	0.0	0.0	0.0
2	CORVUS	2.63	SC	3.33 oz/a	EPOST	A	102	15.0	10.0	99.0	99.0	99.0	10.0
	ATRAZINE	4	L	2.0 qt/a	EPOST	A	211	10.0	5.0	99.0	99.0	99.0	15.0
							308	5.0	5.0	99.0	99.0	99.0	10.0
							414	20.0	10.0	99.0	99.0	99.0	15.0
							Mean =	12.5	7.5	99.0	99.0	99.0	12.5
3	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	EPOST	A	103	10.0	10.0	99.0	99.0	99.0	20.0
	CORVUS	2.63	SC	3.33 oz/a	EPOST	A	208	20.0	10.0	99.0	99.0	99.0	20.0
	ATRAZINE	4	L	2.0 qt/a	EPOST	A	302	25.0	10.0	99.0	99.0	95.0	30.0
							409	25.0	10.0	99.0	99.0	99.0	25.0
							Mean =	20.0	10.0	99.0	99.0	98.0	23.8
4	LIBERTY	2.34	SL	29.0 oz/a	EPOST	A	104	15.0	10.0	99.0	99.0	99.0	25.0
	CORVUS	2.63	SC	3.33 oz/a	EPOST	A	210	20.0	20.0	99.0	99.0	99.0	35.0
	ATRAZINE	4	L	2.0 qt/a	EPOST	A	301	25.0	10.0	99.0	99.0	99.0	20.0
							415	30.0	15.0	99.0	99.0	99.0	30.0
							Mean =	22.5	13.8	99.0	99.0	99.0	27.5
5	CAPRENO	3.45	SC	3.0 oz/a	POST	B	105	0.0	0.0	0.0	0.0	0.0	10.0
	ATRAZINE	4	L	2.0 qt/a	POST	B	204	0.0	0.0	0.0	0.0	0.0	10.0
	COC			1.0 % v/v	POST	B	313	0.0	0.0	0.0	0.0	0.0	10.0
	AMS XTRA	3.4	SL	2.5 % v/v	POST	B	406	0.0	0.0	0.0	0.0	0.0	15.0
							Mean =	0.0	0.0	0.0	0.0	0.0	11.3
6	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	106	0.0	0.0	0.0	0.0	0.0	10.0
	CAPRENO	3.45	SC	3.0 oz/a	POST	B	209	0.0	0.0	0.0	0.0	0.0	5.0
	ATRAZINE	4	L	2.0 qt/a	POST	B	305	0.0	0.0	0.0	0.0	0.0	5.0
							408	0.0	0.0	0.0	0.0	0.0	10.0
							Mean =	0.0	0.0	0.0	0.0	0.0	7.5
7	LIBERTY	2.34	SL	29.0 oz/a	POST	B	107	0.0	0.0	0.0	0.0	0.0	0.0
	CAPRENO	3.45	SC	3.0 oz/a	POST	B	215	0.0	0.0	0.0	0.0	0.0	0.0
	ATRAZINE	4	L	2.0 qt/a	POST	B	314	0.0	0.0	0.0	0.0	0.0	15.0
							403	0.0	0.0	0.0	0.0	0.0	5.0
							Mean =	0.0	0.0	0.0	0.0	0.0	5.0
8	LAUDIS	3.5	SC	3.0 oz/a	POST	B	108	0.0	0.0	0.0	0.0	0.0	0.0
	ATRAZINE	4	L	2.0 qt/a	POST	B	201	0.0	0.0	0.0	0.0	0.0	5.0
	MSO			1.0 % v/v	POST	B	311	0.0	0.0	0.0	0.0	0.0	15.0
	AMS XTRA	3.4	SL	2.5 % v/v	POST	B	410	0.0	0.0	0.0	0.0	0.0	10.0
							Mean =	0.0	0.0	0.0	0.0	0.0	7.5
9	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	109	0.0	0.0	0.0	0.0	0.0	0.0
	LAUDIS	3.5	SC	3.0 oz/a	POST	B	203	0.0	0.0	0.0	0.0	0.0	0.0
	ATRAZINE	4	L	2.0 qt/a	POST	B	309	0.0	0.0	0.0	0.0	0.0	0.0
							401	0.0	0.0	0.0	0.0	0.0	5.0
							Mean =	0.0	0.0	0.0	0.0	0.0	1.3
10	LIBERTY	2.34	SL	29.0 oz/a	POST	B	110	0.0	0.0	0.0	0.0	0.0	20.0
	LAUDIS	3.5	SC	3.0 oz/a	POST	B	214	0.0	0.0	0.0	0.0	0.0	0.0
	ATRAZINE	4	L	2.0 qt/a	POST	B	307	0.0	0.0	0.0	0.0	0.0	0.0
							416	0.0	0.0	0.0	0.0	0.0	0.0
							Mean =	0.0	0.0	0.0	0.0	0.0	5.0
11	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	111	0.0	0.0	0.0	0.0	0.0	10.0
	ATRAZINE	4	L	2.0 qt/a	POST	B	216	0.0	0.0	0.0	0.0	0.0	5.0
	PROWL H20	3.8	SC	32.0 oz/a	POST	B	306	0.0	0.0	0.0	0.0	0.0	0.0
							413	0.0	0.0	0.0	0.0	0.0	0.0
							Mean =	0.0	0.0	0.0	0.0	0.0	3.8

# University of Georgia

Weed Code							-----	-----	AMAPA	RAPRA	A.GRASS	-----		
Crop Code							ZEAMA	ZEAMA	-----	-----	-----	ZEAMA		
Part Rated							STUNT	CHLORO	CONTROL	CONTROL	CONTROL	STUNT		
Rating Data Type							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Rating Unit							Apr-17-17	Apr-17-17	Apr-17-17	Apr-17-17	Apr-17-17	Apr-24-17		
Rating Date														
PRM Data Type														
# Subsamples, Dec.														
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6
12	STEADFAST Q	37.7	DG	1.5	oz/a	POST	B	112	0.0	0.0	0.0	0.0	0.0	0.0
	ATRAZINE	4	L	2.0	qt/a	POST	B	213	0.0	0.0	0.0	0.0	0.0	0.0
	COC			1.0	% v/v	POST	B	312	0.0	0.0	0.0	0.0	0.0	0.0
								405	0.0	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0
13	REVULIN Q	51.2	WG	3.4	oz/a	POST	B	113	0.0	0.0	0.0	0.0	0.0	0.0
	ATRAZINE	4	L	2.0	qt/a	POST	B	202	0.0	0.0	0.0	0.0	0.0	10.0
	COC			1.0	% v/v	POST	B	310	0.0	0.0	0.0	0.0	0.0	20.0
								404	0.0	0.0	0.0	0.0	0.0	5.0
								Mean =	0.0	0.0	0.0	0.0	0.0	8.8
14	HALEX GT	4.39	SC	58.0	oz/a	POST	B	114	0.0	0.0	0.0	0.0	0.0	10.0
	ATRAZINE	4	L	2.0	qt/a	POST	B	207	0.0	0.0	0.0	0.0	0.0	10.0
	COC			0.25	% v/v	POST	B	304	0.0	0.0	0.0	0.0	0.0	0.0
								412	0.0	0.0	0.0	0.0	0.0	5.0
								Mean =	0.0	0.0	0.0	0.0	0.0	6.3
15	LIBERTY	2.34	SL	29.0	oz/a	POST	B	115	0.0	0.0	0.0	0.0	0.0	0.0
	ATRAZINE	4	L	2.0	qt/a	POST	B	206	0.0	0.0	0.0	0.0	0.0	10.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	315	0.0	0.0	0.0	0.0	0.0	0.0
								402	0.0	0.0	0.0	0.0	0.0	10.0
								Mean =	0.0	0.0	0.0	0.0	0.0	5.0
16	NTC							116	0.0	0.0	0.0	0.0	0.0	0.0
								212	0.0	0.0	0.0	0.0	0.0	0.0
								303	0.0	0.0	0.0	0.0	0.0	0.0
								407	0.0	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0

# University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.						----- ZEAMA	AMAPA -----	A.GRASS -----	RAPRA -----	----- ZEAMA	AMAPA -----			
						CHLORO PERCENT Apr-24-17	CONTROL PERCENT Apr-24-17	CONTROL PERCENT Apr-24-17	CONTROL PERCENT Apr-24-17	STUNT PERCENT May-5-17	CONTROL PERCENT May-5-17			
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	7	8	9	10	11	12
1	NTC							101	0.0	0.0	0.0	0.0	0.0	0.0
								205	0.0	0.0	0.0	0.0	0.0	0.0
								316	0.0	0.0	0.0	0.0	0.0	0.0
								411	0.0	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0	0.0
2	CORVUS	2.63	SC	3.33	oz/a	EPOST A		102	0.0	100.0	100.0	100.0	10.0	100.0
	ATRAZINE	4	L	2.0	qt/a	EPOST A		211	0.0	100.0	100.0	100.0	10.0	100.0
								308	0.0	100.0	100.0	100.0	0.0	100.0
								414	0.0	100.0	100.0	100.0	15.0	100.0
								Mean =	0.0	100.0	100.0	100.0	8.8	100.0
3	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	EPOST A		103	5.0	100.0	100.0	100.0	15.0	100.0
	CORVUS	2.63	SC	3.33	oz/a	EPOST A		208	0.0	100.0	100.0	100.0	15.0	100.0
	ATRAZINE	4	L	2.0	qt/a	EPOST A		302	5.0	100.0	100.0	100.0	20.0	100.0
								409	0.0	100.0	100.0	100.0	15.0	100.0
								Mean =	2.5	100.0	100.0	100.0	16.3	100.0
4	LIBERTY	2.34	SL	29.0	oz/a	EPOST A		104	10.0	100.0	100.0	100.0	20.0	100.0
	CORVUS	2.63	SC	3.33	oz/a	EPOST A		210	5.0	100.0	100.0	100.0	25.0	100.0
	ATRAZINE	4	L	2.0	qt/a	EPOST A		301	5.0	100.0	100.0	100.0	20.0	100.0
								415	0.0	100.0	100.0	100.0	20.0	100.0
								Mean =	5.0	100.0	100.0	100.0	21.3	100.0
5	CAPRENO	3.45	SC	3.0	oz/a	POST B		105	5.0	100.0	100.0	100.0	5.0	100.0
	ATRAZINE	4	L	2.0	qt/a	POST B		204	5.0	100.0	100.0	100.0	0.0	100.0
	COC			1.0	% v/v	POST B		313	10.0	100.0	100.0	100.0	10.0	100.0
	AMS XTRA	3.4	SL	2.5	% v/v	POST B		406	10.0	100.0	100.0	100.0	10.0	100.0
								Mean =	7.5	100.0	100.0	100.0	6.3	100.0
6	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST B		106	5.0	100.0	100.0	100.0	5.0	100.0
	CAPRENO	3.45	SC	3.0	oz/a	POST B		209	0.0	100.0	100.0	100.0	0.0	100.0
	ATRAZINE	4	L	2.0	qt/a	POST B		305	0.0	100.0	100.0	100.0	0.0	100.0
								408	5.0	100.0	100.0	100.0	0.0	100.0
								Mean =	2.5	100.0	100.0	100.0	1.3	100.0
7	LIBERTY	2.34	SL	29.0	oz/a	POST B		107	5.0	100.0	100.0	100.0	0.0	100.0
	CAPRENO	3.45	SC	3.0	oz/a	POST B		215	5.0	100.0	100.0	100.0	0.0	100.0
	ATRAZINE	4	L	2.0	qt/a	POST B		314	5.0	100.0	100.0	100.0	15.0	100.0
								403	5.0	100.0	100.0	100.0	5.0	100.0
								Mean =	5.0	100.0	100.0	100.0	5.0	100.0
8	LAUDIS	3.5	SC	3.0	oz/a	POST B		108	0.0	100.0	100.0	100.0	0.0	100.0
	ATRAZINE	4	L	2.0	qt/a	POST B		201	5.0	100.0	100.0	100.0	0.0	100.0
	MSO			1.0	% v/v	POST B		311	10.0	100.0	100.0	100.0	15.0	100.0
	AMS XTRA	3.4	SL	2.5	% v/v	POST B		410	0.0	100.0	100.0	100.0	5.0	100.0
								Mean =	3.8	100.0	100.0	100.0	5.0	100.0
9	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST B		109	10.0	100.0	100.0	100.0	0.0	100.0
	LAUDIS	3.5	SC	3.0	oz/a	POST B		203	0.0	100.0	100.0	100.0	0.0	100.0
	ATRAZINE	4	L	2.0	qt/a	POST B		309	0.0	100.0	100.0	100.0	0.0	100.0
								401	0.0	100.0	100.0	100.0	0.0	100.0
								Mean =	2.5	100.0	100.0	100.0	0.0	100.0
10	LIBERTY	2.34	SL	29.0	oz/a	POST B		110	5.0	100.0	100.0	100.0	10.0	100.0
	LAUDIS	3.5	SC	3.0	oz/a	POST B		214	0.0	100.0	100.0	100.0	5.0	100.0
	ATRAZINE	4	L	2.0	qt/a	POST B		307	0.0	100.0	100.0	100.0	0.0	100.0
								416	0.0	100.0	100.0	100.0	0.0	100.0
								Mean =	1.3	100.0	100.0	100.0	3.8	100.0
11	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST B		111	5.0	100.0	100.0	100.0	10.0	100.0
	ATRAZINE	4	L	2.0	qt/a	POST B		216	0.0	100.0	100.0	100.0	0.0	100.0
	PROWL H20	3.8	SC	32.0	oz/a	POST B		306	0.0	100.0	100.0	100.0	0.0	100.0
								413	0.0	100.0	100.0	100.0	0.0	100.0
								Mean =	1.3	100.0	100.0	100.0	2.5	100.0



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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.						RAPRA ----- CONTROL PERCENT May-5-17	A. GRASS ----- CONTROL PERCENT May-5-17	----- ZEAMA STUNT PERCENT May-16-17	AMAPA ----- CONTROL PERCENT May-16-17	RAPRA ----- CONTROL PERCENT May-16-17	----- ZEAMA YIELD - LBS/PLOT Aug-21-17			
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	13	14	15	16	17	18
1	NTC							101	0.0	0.0	0.0	0.0	0.0	38.0
								205	0.0	0.0	0.0	0.0	0.0	46.0
								316	0.0	0.0	0.0	0.0	0.0	48.0
								411	0.0	0.0	0.0	0.0	0.0	47.0
								Mean =	0.0	0.0	0.0	0.0	0.0	44.8
2	CORVUS	2.63	SC	3.33	oz/a	EPOST	A	102	100.0	100.0	0.0	100.0	100.0	48.0
	ATRAZINE	4	L	2.0	qt/a	EPOST	A	211	100.0	100.0	10.0	100.0	100.0	46.0
								308	100.0	100.0	0.0	100.0	100.0	48.0
								414	100.0	100.0	5.0	100.0	100.0	50.0
								Mean =	100.0	100.0	3.8	100.0	100.0	48.0
3	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	EPOST	A	103	100.0	100.0	15.0	100.0	100.0	49.0
	CORVUS	2.63	SC	3.33	oz/a	EPOST	A	208	100.0	100.0	5.0	100.0	100.0	47.0
	ATRAZINE	4	L	2.0	qt/a	EPOST	A	302	100.0	100.0	10.0	100.0	100.0	46.0
								409	100.0	100.0	5.0	100.0	100.0	48.0
								Mean =	100.0	100.0	8.8	100.0	100.0	47.5
4	LIBERTY	2.34	SL	29.0	oz/a	EPOST	A	104	100.0	100.0	10.0	100.0	100.0	48.0
	CORVUS	2.63	SC	3.33	oz/a	EPOST	A	210	100.0	100.0	20.0	100.0	100.0	44.0
	ATRAZINE	4	L	2.0	qt/a	EPOST	A	301	100.0	100.0	10.0	100.0	100.0	46.0
								415	100.0	100.0	5.0	100.0	100.0	49.0
								Mean =	100.0	100.0	11.3	100.0	100.0	46.8
5	CAPRENO	3.45	SC	3.0	oz/a	POST	B	105	100.0	100.0	0.0	100.0	100.0	49.0
	ATRAZINE	4	L	2.0	qt/a	POST	B	204	100.0	100.0	0.0	100.0	100.0	47.0
	COC			1.0	% v/v	POST	B	313	100.0	100.0	0.0	100.0	100.0	49.0
	AMS XTRA	3.4	SL	2.5	% v/v	POST	B	406	100.0	100.0	0.0	100.0	100.0	48.0
								Mean =	100.0	100.0	0.0	100.0	100.0	48.3
6	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B	106	100.0	100.0	0.0	100.0	100.0	46.0
	CAPRENO	3.45	SC	3.0	oz/a	POST	B	209	100.0	100.0	0.0	100.0	100.0	49.0
	ATRAZINE	4	L	2.0	qt/a	POST	B	305	100.0	100.0	0.0	100.0	100.0	50.0
								408	100.0	95.0	0.0	100.0	100.0	47.0
								Mean =	100.0	98.8	0.0	100.0	100.0	48.0
7	LIBERTY	2.34	SL	29.0	oz/a	POST	B	107	100.0	100.0	0.0	100.0	100.0	50.0
	CAPRENO	3.45	SC	3.0	oz/a	POST	B	215	100.0	100.0	0.0	100.0	100.0	49.0
	ATRAZINE	4	L	2.0	qt/a	POST	B	314	100.0	100.0	0.0	100.0	100.0	48.0
								403	100.0	100.0	0.0	100.0	100.0	44.0
								Mean =	100.0	100.0	0.0	100.0	100.0	47.8
8	LAUDIS	3.5	SC	3.0	oz/a	POST	B	108	100.0	100.0	0.0	100.0	100.0	51.0
	ATRAZINE	4	L	2.0	qt/a	POST	B	201	100.0	100.0	0.0	100.0	100.0	46.0
	MSO			1.0	% v/v	POST	B	311	100.0	100.0	0.0	100.0	100.0	48.0
	AMS XTRA	3.4	SL	2.5	% v/v	POST	B	410	100.0	100.0	0.0	100.0	100.0	50.0
								Mean =	100.0	100.0	0.0	100.0	100.0	48.8
9	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B	109	100.0	100.0	0.0	100.0	100.0	45.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	203	100.0	100.0	0.0	100.0	100.0	47.0
	ATRAZINE	4	L	2.0	qt/a	POST	B	309	100.0	100.0	0.0	100.0	100.0	47.0
								401	100.0	95.0	0.0	100.0	100.0	48.0
								Mean =	100.0	98.8	0.0	100.0	100.0	46.8
10	LIBERTY	2.34	SL	29.0	oz/a	POST	B	110	100.0	100.0	0.0	100.0	100.0	45.0
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	214	100.0	100.0	0.0	100.0	100.0	51.0
	ATRAZINE	4	L	2.0	qt/a	POST	B	307	100.0	100.0	0.0	100.0	100.0	49.0
								416	100.0	100.0	0.0	100.0	100.0	50.0
								Mean =	100.0	100.0	0.0	100.0	100.0	48.8
11	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B	111	100.0	100.0	0.0	100.0	100.0	48.0
	ATRAZINE	4	L	2.0	qt/a	POST	B	216	100.0	100.0	0.0	100.0	100.0	48.0
	PROWL H20	3.8	SC	32.0	oz/a	POST	B	306	100.0	100.0	0.0	100.0	100.0	50.0
								413	100.0	100.0	0.0	100.0	100.0	50.0
								Mean =	100.0	100.0	0.0	100.0	100.0	49.0



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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							RAPRA ----	A. GRASS -----	----- ZEAMA	AMAPA -----	RAPRA ----	----- ZEAMA YIELD - LBS/PLOT	
							CONTROL PERCENT May-5-17	CONTROL PERCENT May-5-17	STUNT PERCENT May-16-17	CONTROL PERCENT May-16-17	CONTROL PERCENT May-16-17	Aug-21-17	
Trt	Treatment	Form	Form	Rate	Grow	Appl	13	14	15	16	17	18	
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot					
12	STEADFAST Q	37.7	DG	1.5 oz/a	POST	B	112	100.0	100.0	0.0	100.0	100.0	48.0
	ATRAZINE	4	L	2.0 qt/a	POST	B	213	100.0	100.0	0.0	100.0	100.0	45.0
	COC			1.0 % v/v	POST	B	312	100.0	100.0	0.0	100.0	100.0	49.0
							405	100.0	100.0	0.0	100.0	100.0	48.0
							Mean =	100.0	100.0	0.0	100.0	100.0	47.5
13	REVULIN Q	51.2	WG	3.4 oz/a	POST	B	113	100.0	100.0	0.0	100.0	100.0	46.0
	ATRAZINE	4	L	2.0 qt/a	POST	B	202	100.0	100.0	0.0	100.0	100.0	45.0
	COC			1.0 % v/v	POST	B	310	100.0	100.0	5.0	100.0	100.0	45.0
							404	100.0	100.0	0.0	100.0	100.0	49.0
							Mean =	100.0	100.0	1.3	100.0	100.0	46.3
14	HALEX GT	4.39	SC	58.0 oz/a	POST	B	114	100.0	100.0	0.0	100.0	100.0	48.0
	ATRAZINE	4	L	2.0 qt/a	POST	B	207	100.0	100.0	5.0	100.0	100.0	49.0
	COC			0.25 % v/v	POST	B	304	100.0	100.0	0.0	100.0	100.0	48.0
							412	100.0	100.0	0.0	100.0	100.0	51.0
							Mean =	100.0	100.0	1.3	100.0	100.0	49.0
15	LIBERTY	2.34	SL	29.0 oz/a	POST	B	115	100.0	100.0	0.0	100.0	100.0	50.0
	ATRAZINE	4	L	2.0 qt/a	POST	B	206	100.0	100.0	0.0	100.0	100.0	46.0
	PROWL H20	3.8	SC	32.0 oz/a	POST	B	315	100.0	100.0	0.0	100.0	100.0	48.0
							402	100.0	100.0	0.0	100.0	100.0	48.0
							Mean =	100.0	100.0	0.0	100.0	100.0	48.0
16	NTC						116	0.0	0.0	0.0	0.0	0.0	46.0
							212	0.0	0.0	0.0	0.0	0.0	46.0
							303	0.0	0.0	0.0	0.0	0.0	44.0
							407	100.0	100.0	0.0	100.0	100.0	49.0
							Mean =	25.0	25.0	0.0	25.0	25.0	46.3

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Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code	Plot	Yield
Weed Code -----									
Crop Code									ZEAMA
Part Rated									YIELD -
Rating Data Type									YIELD
Rating Unit									BU/A
Rating Date									Aug-21-17
PRM Data Type									TY1
# Subsamples, Dec.									- 0
1	NTC							101 205 316 411 Mean =	197 239 249 244 232
2	CORVUS ATRAZINE	2.63 4	SC L	3.33 2.0	oz/a qt/a	EPOST EPOST	A A	102 211 308 414 Mean =	249 239 249 259 249
3	ROUNDUP P-MAX CORVUS ATRAZINE	5.5 2.63 4	SL SC L	32.0 3.33 2.0	oz/a oz/a qt/a	EPOST EPOST EPOST	A A A	103 208 302 409 Mean =	254 244 239 249 246
4	LIBERTY CORVUS ATRAZINE	2.34 2.63 4	SL SC L	29.0 3.33 2.0	oz/a oz/a qt/a	EPOST EPOST EPOST	A A A	104 210 301 415 Mean =	249 228 239 254 242
5	CAPRENO ATRAZINE COC AMS XTRA	3.45 4 3.4	SC L SL	3.0 2.0 1.0 2.5	oz/a qt/a % v/v % v/v	POST POST POST POST	B B B B	105 204 313 406 Mean =	254 244 254 249 250
6	ROUNDUP P-MAX CAPRENO ATRAZINE	5.5 3.45 4	SL SC L	32.0 3.0 2.0	oz/a oz/a qt/a	POST POST POST	B B B	106 209 305 408 Mean =	239 254 259 244 249
7	LIBERTY CAPRENO ATRAZINE	2.34 3.45 4	SL SC L	29.0 3.0 2.0	oz/a oz/a qt/a	POST POST POST	B B B	107 215 314 403 Mean =	259 254 249 228 248
8	LAUDIS ATRAZINE MSO AMS XTRA	3.5 4 3.4	SC L SL	3.0 2.0 1.0 2.5	oz/a qt/a % v/v % v/v	POST POST POST POST	B B B B	108 201 311 410 Mean =	265 239 249 259 253
9	ROUNDUP P-MAX LAUDIS ATRAZINE	5.5 3.5 4	SL SC L	32.0 3.0 2.0	oz/a oz/a qt/a	POST POST POST	B B B	109 203 309 401 Mean =	233 244 244 249 242
10	LIBERTY LAUDIS ATRAZINE	2.34 3.5 4	SL SC L	29.0 3.0 2.0	oz/a oz/a qt/a	POST POST POST	B B B	110 214 307 416 Mean =	233 265 254 259 253
11	ROUNDUP P-MAX ATRAZINE PROWL H20	5.5 4 3.8	SL L SC	32.0 2.0 32.0	oz/a qt/a oz/a	POST POST POST	B B B	111 216 306 413 Mean =	249 249 259 259 254



# University of Georgia

CORVUS, CAPRENO, AND LAUDIS FOR WEED CONTROL  
IN FIELD CORN  
Trial ID: CN-05-17 Study Dir.: KEITH "NACHO" RUCKER  
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code  
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.  
RAPRA = RADISH, WILD / RAPHANUS RAPHANISTRUM L.  
PRM Data Type  
TY1 = 5.186942\*[18]