

University of Georgia

STEADFAST Q VS REVULIN Q FOR WEED CONTROL IN FIELD CORN			
Trial ID:	CN-11-15	Study Dir.:	STANLEY ROYAL
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Reps: 3 Plots: 5 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 1.5 liters (calculated mix size .48882)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Rep		
								1	2	3
1	NO PRE NO POST							101	215	305
2	NO PRE REVULIN Q COC AMS XTRA	51.2	WG	3.4 oz/a	POST B		2.546 g/mx 15.0 ml/mx 37.5 ml/mx	102	207	312
3	NO PRE REVULIN Q COC AMS XTRA	51.2	WG	4.0 oz/a	POST B		2.996 g/mx 15.0 ml/mx 37.5 ml/mx	103	202	301
4	NO PRE STEADFAST Q COC AMS XTRA	37.7	WG	1.5 oz/a	POST B		1.123 g/mx 15.0 ml/mx 37.5 ml/mx	104	216	315
5	DUAL II MAGNUM NO POST	7.62	EC	16.0 oz/a	PRE A		12.5 ml/mx	105	203	307
6	DUAL II MAGNUM REVULIN Q COC AMS XTRA	7.62 51.2	EC WG	16.0 oz/a 3.4 oz/a	PRE A POST B		12.5 ml/mx 2.546 g/mx 15.0 ml/mx 37.5 ml/mx	106	204	310
7	DUAL II MAGNUM REVULIN Q COC AMS XTRA	7.62 51.2	EC WG	16.0 oz/a 4.0 oz/a	PRE A POST B		12.5 ml/mx 2.996 g/mx 15.0 ml/mx 37.5 ml/mx	107	211	316
8	DUAL II MAGNUM STEADFAST Q COC AMS XTRA	7.62 37.7	EC WG	16.0 oz/a 1.5 oz/a	PRE A POST B		12.5 ml/mx 1.123 g/mx 15.0 ml/mx 37.5 ml/mx	108	205	313
9	ZIDUA NO POST	85	WG	1.5 oz/a	PRE A		1.123 g/mx	109	212	314
10	ZIDUA REVULIN Q COC AMS XTRA	85 51.2	WG WG	1.5 oz/a 3.4 oz/a	PRE A POST B		1.123 g/mx 2.546 g/mx 15.0 ml/mx 37.5 ml/mx	110	201	308
11	ZIDUA REVULIN Q COC AMS XTRA	85 51.2	WG WG	1.5 oz/a 4.0 oz/a	PRE A POST B		1.123 g/mx 2.996 g/mx 15.0 ml/mx 37.5 ml/mx	111	213	309
12	ZIDUA STEADFAST Q COC AMS XTRA	85 37.7	WG WG	1.5 oz/a 1.5 oz/a	PRE A POST B		1.123 g/mx 1.123 g/mx 15.0 ml/mx 37.5 ml/mx	112	209	311
13	WARRANT NO POST	3	ME	48.0 oz/a	PRE A		37.5 ml/mx	113	214	302
14	WARRANT REVULIN Q COC AMS XTRA	3 51.2	ME WG	48.0 oz/a 3.4 oz/a	PRE A POST B		37.5 ml/mx 2.546 g/mx 15.0 ml/mx 37.5 ml/mx	114	206	303
15	WARRANT REVULIN Q COC AMS XTRA	3 51.2	ME WG	48.0 oz/a 4.0 oz/a	PRE A POST B		37.5 ml/mx 2.996 g/mx 15.0 ml/mx 37.5 ml/mx	115	208	306
16	WARRANT STEADFAST Q COC AMS XTRA	3 37.7	ME WG	48.0 oz/a 1.5 oz/a	PRE A POST B		37.5 ml/mx 1.123 g/mx 15.0 ml/mx 37.5 ml/mx	116	210	304

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Reps: 3
Spray vol: 15 GAL/AC
Sort Order: Treatment

Plots: 5 by 25 feet
Mix Size: 1.5 liters (calculated mix size .48882)

Trial Comments

REVULIN Q = NICOSULFURON (14.4%) + MESOTRIONE (36.8%) + ISOXADIFEN
STEADFAST Q = NICOSULFURON (25.2) + RIMSULFURON (12.5%) + ISOXADIFEN

ANNUAL GRASS = CRABGRASS + TEXAS PANICUM

HARVEST MOISTURE = 16.6%
YIELDS ADJUSTED TO 15.5% MOISTURE

SUMMARY:

- 1) PRE APPLICATIONS OF DUAL MAGNUM, WARRANT, AND ZIDUA PROVIDED GOOD TO EXCELLENT CONTROL OF PALMER AMARANTH AND ANNUAL GRASSES WITH NO DIFFERENCES BETWEEN THEM. HOWEVER, NONE OF THESE HERBICIDES PROVIDED ACCEPTABLE CONTROL OF WILD RADISH.
- 2) REVULIN Q PROVIDED EXCELLENT CONTROL OF PALMER AMARANTH, ANNUAL GRASSES, AND WILD RADISH. WEED CONTROL WAS SIMILAR TO STEADFAST Q.
- 3) CORN YIELDS WERE NOT INFLUENCED BY ANY HERBICIDE TREATMENT (P = 0.5776).

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STEADFAST Q VS REVULIN Q FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-11-15 Study Dir.: STANLEY ROYAL
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: STANLEY ROYAL **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 CRABGRASS + TPANICUM + CRO
Weed 3. RAPRA WILD RADISH **4.** _____

Crop 1: ZEAMA FIELD CORN **Variety:** DKC 67-72 **Planting Date:** Mar-24-15
Planting Method: MONOSEM **Rate:** 34848 SEED/A **Depth:** 2 IN
Perennial Age: _____ **Row Spacing:** 30 IN **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

Plot Width, Unit: 5 FT **Plot Length, Unit:** 25 FT **Reps:** 3

Site Type: _____ **Study Design:** FACTOR
Tillage Type: CONVENTIONAL **Trial Initiation Comments:** VT TRIPLE PRO; ACCELERON SEED TRT

Previous: Crops **Pesticides** **Year**
 1. PEANUT 2014 _____

MAINTENANCE

Field Prep./Maintenance: _____
 Form Form Form **Rate**
No. Date Treatment Name Conc Unit Type Rate Unit
 1. _____

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.93 **% Sand:** 94 **% Silt:** 4 **% Clay:** 2
pH: 6.0 **CEC:** 3.7 **Soil Name:** TIFTON **Fertility Level:** GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. Mar-27-15	_____	0.30	IN	SPRINKLER - LATERAL MOVE	_____	_____
2. Apr-2-15	_____	0.40	IN	SPRINKLER - LATERAL MOVE	_____	_____
3. Apr-7-15	_____	0.50	IN	SPRINKLER - LATERAL MOVE	_____	_____
4. May-6-15	_____	0.75	IN	SPRINKLER - LATERAL MOVE	_____	_____
5. May-11-15	_____	0.50	IN	SPRINKLER - LATERAL MOVE	_____	_____
6. May-12-15	_____	0.50	IN	SPRINKLER - LATERAL MOVE	_____	_____
7. May-14-15	_____	0.50	IN	SPRINKLER - LATERAL MOVE	_____	_____
8. May-19-15	_____	0.75	IN	SPRINKLER - LATERAL MOVE	_____	_____
9. May-22-15	_____	0.75	IN	SPRINKLER - LATERAL MOVE	_____	_____
10. May-26-15	_____	0.75	IN	SPRINKLER - LATERAL MOVE	_____	_____
11. Jun-2-15	_____	0.75	IN	SPRINKLER - LATERAL MOVE	_____	_____

Overall Moisture Conditions: _____
Closest Weather Station: _____ **Distance:** _____ **Unit:** _____

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		APPLICATION DESCRIPTION					
		A	B	C	D	E	F
Application Date:	Mar-25-15	Apr-15-15		_____	_____	_____	_____
Time of Day:	9:16 AM	8:41 AM		_____	_____	_____	_____
Application Method:	BROADCAST	BROADCAST		_____	_____	_____	_____
Application Timing:	PRE	POST		_____	_____	_____	_____
Applic. Placement:	SOIL	FOLIAGE		_____	_____	_____	_____
Air Temp., Unit:	66 F	74.5 F		_____	_____	_____	_____
% Relative Humidity:	88	84		_____	_____	_____	_____
Wind Velocity, Unit:	2 MPH	0 MPH		_____	_____	_____	_____
Dew Presence (Y/N):	N	Y		_____	_____	_____	_____
Water Hardness:	__	__		_____	_____	_____	_____
Soil Temp., Unit:	63 F	72 F		_____	_____	_____	_____
Soil Moisture:	OPTIMUM	WET		_____	_____	_____	_____
% Cloud Cover:	100	100		_____	_____	_____	_____

		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1	Stage: ZEAMA	_____	_____	_____	_____	_____	_____
Stage Scale:	_____	V4-V5		_____	_____	_____	_____
Height, Unit:	_____	7 IN		_____	_____	_____	_____

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

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	SAME		_____	_____	_____	_____
Operating Pressure:	38	38		_____	_____	_____	_____
Nozzle Type:	AIXR	FLAT FAN		_____	_____	_____	_____
Nozzle Size:	11002	11002DG		_____	_____	_____	_____
Nozzle Spacing, Unit:	20	IN	20 IN	_____	_____	_____	_____
Nozzles/Row:	_____	_____	_____	_____	_____	_____	_____
Band Width, Unit:	_____	_____	_____	_____	_____	_____	_____
Boom Length, Unit:	60	IN	60 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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STEADFAST Q VS REVULIN Q FOR WEED CONTROL IN FIELD CORN														
Trial ID: CN-11-15		Study Dir.: STANLEY ROYAL												
Location: PONDER FARM		Investigator: Eric P. Prostko												
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	PRM Data Type	# Subsamples, Dec.	ZEAMA CROP - INJURY PERCENT Apr-10-15	AMAPA ----- CONTROL PERCENT Apr-10-15	ANNUAL GRASS CONTROL PERCENT Apr-10-15	ZEAMA CROP - STUNT PERCENT Apr-24-15	AMAPA ----- CONTROL PERCENT Apr-24-15	ANNUAL GRASS CONTROL PERCENT Apr-24-15	RAPRA ----- CONTROL PERCENT Apr-24-15
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	1	2	3	4	5	6	7
1	NO PRE NO POST							0.0 a	0.0 b	0.0 b	0.0 f	0.0 c	0.0 c	0.0 c
2	NO PRE REVULIN Q COC AMS XTRA	51.2 WG		3.4 oz/a 1.0 % v/v 2.5 % v/v	POST B POST B POST B			0.0 a	0.0 b	0.0 b	1.7 ef	99.0 a	96.3 ab	97.7 a
3	NO PRE REVULIN Q COC AMS XTRA	51.2 WG		4.0 oz/a 1.0 % v/v 2.5 % v/v	POST B POST B POST B			0.0 a	0.0 b	0.0 b	5.0 c-f	99.0 a	96.3 ab	99.0 a
4	NO PRE STEADFAST Q COC AMS XTRA	37.7 WG		1.5 oz/a 1.0 % v/v 2.5 % v/v	POST B POST B POST B			0.0 a	0.0 b	0.0 b	15.0 ab	94.3 b	91.3 ab	96.3 a
5	DUAL II MAGNUM NO POST	7.62 EC		16.0 oz/a	PRE	A		0.0 a	99.0 a	99.0 a	3.3 def	99.0 a	96.3 ab	0.0 c
6	DUAL II MAGNUM REVULIN Q COC AMS XTRA	7.62 EC 51.2 WG		16.0 oz/a 3.4 oz/a 1.0 % v/v 2.5 % v/v	PRE POST B POST B POST B	A		0.0 a	99.0 a	99.0 a	3.3 def	99.0 a	99.0 a	99.0 a
7	DUAL II MAGNUM REVULIN Q COC AMS XTRA	7.62 EC 51.2 WG		16.0 oz/a 4.0 oz/a 1.0 % v/v 2.5 % v/v	PRE POST B POST B POST B	A		0.0 a	99.0 a	93.0 a	10.0 a-e	99.0 a	99.0 a	97.7 a
8	DUAL II MAGNUM STEADFAST Q COC AMS XTRA	7.62 EC 37.7 WG		16.0 oz/a 1.5 oz/a 1.0 % v/v 2.5 % v/v	PRE POST B POST B POST B	A		0.0 a	99.0 a	91.0 a	6.7 b-f	99.0 a	99.0 a	97.7 a
9	ZIDUA NO POST	85 WG		1.5 oz/a	PRE	A		0.0 a	99.0 a	91.0 a	3.3 def	99.0 a	91.0 ab	33.0 b
10	ZIDUA REVULIN Q COC AMS XTRA	85 WG 51.2 WG		1.5 oz/a 3.4 oz/a 1.0 % v/v 2.5 % v/v	PRE POST B POST B POST B	A		0.0 a	99.0 a	97.7 a	13.3 abc	99.0 a	97.7 a	99.0 a
11	ZIDUA REVULIN Q COC AMS XTRA	85 WG 51.2 WG		1.5 oz/a 4.0 oz/a 1.0 % v/v 2.5 % v/v	PRE POST B POST B POST B	A		0.0 a	99.0 a	97.7 a	6.7 b-f	99.0 a	97.7 a	99.0 a
12	ZIDUA STEADFAST Q COC AMS XTRA	85 WG 37.7 WG		1.5 oz/a 1.5 oz/a 1.0 % v/v 2.5 % v/v	PRE POST B POST B POST B	A		0.0 a	99.0 a	99.0 a	16.7 a	99.0 a	99.0 a	99.0 a
13	WARRANT NO POST	3 ME		48.0 oz/a	PRE	A		0.0 a	99.0 a	94.7 a	0.0 f	99.0 a	88.3 b	0.0 c
14	WARRANT REVULIN Q COC AMS XTRA	3 ME 51.2 WG		48.0 oz/a 3.4 oz/a 1.0 % v/v 2.5 % v/v	PRE POST B POST B POST B	A		0.0 a	99.0 a	96.0 a	11.7 a-d	99.0 a	97.7 a	99.0 a
15	WARRANT REVULIN Q COC AMS XTRA	3 ME 51.2 WG		48.0 oz/a 4.0 oz/a 1.0 % v/v 2.5 % v/v	PRE POST B POST B POST B	A		0.0 a	99.0 a	88.3 a	6.7 b-f	99.0 a	97.7 a	97.7 a

Means followed by same letter 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 1,2 because error mean square = 0.

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Weed Code							ZEAMA	AMAPA	ANNUAL	ZEAMA	AMAPA	ANNUAL	RAPRA
Crop Code							-----	-----	GRASS	-----	-----	-----	-----
Part Rated							CROP -			CROP -			
Rating Data Type							INJURY	CONTROL	CONTROL	STUNT	CONTROL	CONTROL	CONTROL
Rating Unit							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							Apr-10-15	Apr-10-15	Apr-10-15	Apr-24-15	Apr-24-15	Apr-24-15	Apr-24-15
PRM Data Type													
# Subsamples, Dec.													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Code	1	2	3	4	5	6	7
16	WARRANT	3	ME	48.0 oz/a	PRE	A	0.0 a	99.0 a	91.0 a	10.0 a-e	99.0 a	96.0 ab	97.7 a
	STEADFAST Q	37.7	WG	1.5 oz/a	POST	B							
	COC			1.0 % v/v	POST	B							
	AMS XTRA	3.4	SL	2.5 % v/v	POST	B							
LSD P=.10							.	.	9.69	7.44	2.80	7.17	20.02
Standard Deviation							0.00	0.00	6.99	5.37	2.02	5.17	14.45
CV							0.0	0.0	9.83	75.83	2.18	5.74	19.08
Grand Mean							0.00	74.25	71.08	7.08	92.52	90.15	75.73
Bartlett's X2							0.0	0.0	11.585	6.091	0.0	20.644	46.579
P(Bartlett's X2)							.	.	0.171	0.867	.	0.024*	0.001*
Replicate F							0.000	0.000	1.772	0.884	1.000	1.434	0.801
Replicate Prob(F)							1.0000	1.0000	0.1873	0.4234	0.3798	0.2542	0.4582
Treatment F							0.000	0.000	110.983	2.830	448.217	65.891	24.054
Treatment Prob(F)							1.0000	1.0000	0.0001	0.0074	0.0001	0.0001	0.0001

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							----- ZEAMA PLANT - STUNTING PERCENT May-11-15	AMAPA ----- CONTROL PERCENT May-11-15	ANNUAL GRASS CONTROL PERCENT May-11-15	RAPRA ----- CONTROL PERCENT May-11-15	----- ZEAMA PLOT - YIELD LBS/PLOT Aug-15-15	----- ZEAMA PLOT - YIELD BU/A Aug-15-15 TY1 - 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Stg	Appl Code	8	9	10	11	12	13
1	NO PRE NO POST						0.0 c	0.0 c	0.0 c	0.0 c	44.7 a	274 a
2	NO PRE REVULIN Q COC AMS XTRA	51.2	WG	3.4 oz/a 1.0 % v/v 2.5 % v/v	POST B POST B POST B		3.3 bc	99.0 a	99.0 a	99.0 a	45.3 a	278 a
3	NO PRE REVULIN Q COC AMS XTRA	51.2	WG	4.0 oz/a 1.0 % v/v 2.5 % v/v	POST B POST B POST B		0.0 c	99.0 a	99.0 a	99.0 a	45.3 a	278 a
4	NO PRE STEADFAST Q COC AMS XTRA	37.7	WG	1.5 oz/a 1.0 % v/v 2.5 % v/v	POST B POST B POST B		5.0 bc	94.3 b	99.0 a	99.0 a	45.3 a	278 a
5	DUAL II MAGNUM NO POST	7.62	EC	16.0 oz/a	PRE A		0.0 c	99.0 a	94.3 ab	33.0 b	44.7 a	274 a
6	DUAL II MAGNUM REVULIN Q COC AMS XTRA	7.62 51.2	EC WG	16.0 oz/a 3.4 oz/a 1.0 % v/v 2.5 % v/v	PRE A POST B POST B POST B		0.0 c	99.0 a	99.0 a	99.0 a	43.0 a	264 a
7	DUAL II MAGNUM REVULIN Q COC AMS XTRA	7.62 51.2	EC WG	16.0 oz/a 4.0 oz/a 1.0 % v/v 2.5 % v/v	PRE A POST B POST B POST B		6.7 abc	99.0 a	99.0 a	99.0 a	47.0 a	289 a
8	DUAL II MAGNUM STEADFAST Q COC AMS XTRA	7.62 37.7	EC WG	16.0 oz/a 1.5 oz/a 1.0 % v/v 2.5 % v/v	PRE A POST B POST B POST B		0.0 c	99.0 a	99.0 a	99.0 a	48.3 a	297 a
9	ZIDUA NO POST	85	WG	1.5 oz/a	PRE A		3.3 bc	99.0 a	82.7 b	56.7 b	48.0 a	295 a
10	ZIDUA REVULIN Q COC AMS XTRA	85 51.2	WG WG	1.5 oz/a 3.4 oz/a 1.0 % v/v 2.5 % v/v	PRE A POST B POST B POST B		10.0 ab	99.0 a	99.0 a	99.0 a	44.0 a	270 a
11	ZIDUA REVULIN Q COC AMS XTRA	85 51.2	WG WG	1.5 oz/a 4.0 oz/a 1.0 % v/v 2.5 % v/v	PRE A POST B POST B POST B		0.0 c	99.0 a	99.0 a	99.0 a	46.0 a	283 a
12	ZIDUA STEADFAST Q COC AMS XTRA	85 37.7	WG WG	1.5 oz/a 1.5 oz/a 1.0 % v/v 2.5 % v/v	PRE A POST B POST B POST B		13.3 a	99.0 a	99.0 a	99.0 a	43.7 a	268 a
13	WARRANT NO POST	3	ME	48.0 oz/a	PRE A		0.0 c	99.0 a	87.7 ab	0.0 c	45.7 a	280 a
14	WARRANT REVULIN Q COC AMS XTRA	3 51.2	ME WG	48.0 oz/a 3.4 oz/a 1.0 % v/v 2.5 % v/v	PRE A POST B POST B POST B		6.7 abc	99.0 a	99.0 a	99.0 a	44.0 a	270 a
15	WARRANT REVULIN Q COC AMS XTRA	3 51.2	ME WG	48.0 oz/a 4.0 oz/a 1.0 % v/v 2.5 % v/v	PRE A POST B POST B POST B		3.3 bc	99.0 a	99.0 a	99.0 a	46.3 a	285 a

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Weed Code							-----	AMAPA	ANNUAL	RAPRA	-----	-----
Crop Code							ZEAMA	-----	GRASS	-----	ZEAMA	ZEAMA
Part Rated							PLANT -				PLOT -	PLOT -
Rating Data Type							STUNTING	CONTROL	CONTROL	CONTROL	YIELD	YIELD
Rating Unit							PERCENT	PERCENT	PERCENT	PERCENT	LBS/PLOT	BU/A
Rating Date							May-11-15	May-11-15	May-11-15	May-11-15	Aug-15-15	Aug-15-15
PRM Data Type												TY1
# Subsamples, Dec.												- 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Code	8	9	10	11	12	13
16	WARRANT	3	ME	48.0 oz/a	PRE	A	0.0 c	99.0 a	99.0 a	99.0 a	46.3 a	285 a
	STEADFAST Q	37.7	WG	1.5 oz/a	POST	B						
	COC			1.0 % v/v	POST	B						
	AMS XTRA	3.4	SL	2.5 % v/v	POST	B						
LSD P=.10							6.60	2.80	12.41	26.95	3.81	23.4
Standard Deviation							4.76	2.02	8.95	19.44	2.75	16.9
CV							147.46	2.18	9.86	24.35	6.04	6.04
Grand Mean							3.23	92.52	90.79	79.85	45.48	279.3
Bartlett's X2							2.831	0.0	2.492	0.046	4.274	56.148
P(Bartlett's X2)							0.90	.	0.288	0.831	0.994	0.001*
Replicate F							3.744	1.000	0.612	0.011	14.961	14.961
Replicate Prob(F)							0.0353	0.3798	0.5490	0.9893	0.0001	0.0001
Treatment F							2.277	448.217	22.812	10.519	0.894	0.894
Treatment Prob(F)							0.0268	0.0001	0.0001	0.0001	0.5776	0.5776

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STEADFAST Q VS REVULIN Q FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-11-15 Study Dir.: STANLEY ROYAL
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

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

RAPRA = RADISH, WILD / RAPHANUS RAPHANISTRUM L.

Part Rated

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

PRM Data Type

TY1 = 6.14185*[12]

University of Georgia

STEADFAST Q VS REVULIN Q FOR WEED CONTROL IN FIELD CORN														
Trial ID: CN-11-15		Study Dir.: STANLEY ROYAL												
Location: PONDER FARM		Investigator: Eric P. Prostko												
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	PRM Data Type	# Subsamples, Dec.	ZEAMA CROP - INJURY PERCENT Apr-10-15	AMAPA ---- CONTROL PERCENT Apr-10-15	ANNUAL GRASS CONTROL PERCENT Apr-10-15	ZEAMA CROP - STUNT PERCENT Apr-24-15	AMAPA ---- CONTROL PERCENT Apr-24-15	ANNUAL GRASS CONTROL PERCENT Apr-24-15	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Growth Unit	Stg	Appl Code	Plot	1	2	3	4	5	6
1	NO PRE NO POST							101 215 305 Mean =	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
2	NO PRE REVULIN Q COC AMS XTRA	51.2 WG		3.4 oz/a		POST B		102 207 312 Mean =	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	5.0 0.0 0.0 1.7	99.0 99.0 99.0 99.0	99.0 95.0 95.0 96.3
3	NO PRE REVULIN Q COC AMS XTRA	51.2 WG		4.0 oz/a		POST B		103 202 301 Mean =	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	5.0 0.0 10.0 5.0	99.0 99.0 99.0 99.0	99.0 95.0 95.0 96.3
4	NO PRE STEADFAST Q COC AMS XTRA	37.7 WG		1.5 oz/a		POST B		104 216 315 Mean =	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	10.0 20.0 15.0 15.0	99.0 99.0 85.0 94.3	99.0 90.0 85.0 91.3
5	DUAL II MAGNUM NO POST	7.62 EC		16.0 oz/a		PRE A		105 203 307 Mean =	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	10.0 0.0 0.0 3.3	99.0 99.0 99.0 99.0	95.0 95.0 99.0 96.3
6	DUAL II MAGNUM REVULIN Q COC AMS XTRA	7.62 EC 51.2 WG		16.0 oz/a 3.4 oz/a		PRE POST B	A	106 204 310 Mean =	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	0.0 0.0 10.0 3.3	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0
7	DUAL II MAGNUM REVULIN Q COC AMS XTRA	7.62 EC 51.2 WG		16.0 oz/a 4.0 oz/a		PRE POST B	A	107 211 316 Mean =	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	99.0 95.0 85.0 93.0	10.0 10.0 10.0 10.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0
8	DUAL II MAGNUM STEADFAST Q COC AMS XTRA	7.62 EC 37.7 WG		16.0 oz/a 1.5 oz/a		PRE POST B	A	108 205 313 Mean =	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	99.0 99.0 75.0 91.0	0.0 10.0 10.0 6.7	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0
9	ZIDUA NO POST	85 WG		1.5 oz/a		PRE A		109 212 314 Mean =	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	99.0 99.0 75.0 91.0	0.0 10.0 0.0 3.3	99.0 99.0 99.0 99.0	99.0 99.0 75.0 91.0
10	ZIDUA REVULIN Q COC AMS XTRA	85 WG 51.2 WG		1.5 oz/a 3.4 oz/a		PRE POST B	A	110 201 308 Mean =	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	99.0 95.0 99.0 97.7	10.0 10.0 20.0 13.3	99.0 99.0 99.0 99.0	95.0 99.0 99.0 97.7
11	ZIDUA REVULIN Q COC AMS XTRA	85 WG 51.2 WG		1.5 oz/a 4.0 oz/a		PRE POST B	A	111 213 309 Mean =	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	99.0 99.0 95.0 97.7	5.0 10.0 5.0 6.7	99.0 99.0 99.0 99.0	99.0 99.0 95.0 97.7
12	ZIDUA STEADFAST Q COC AMS XTRA	85 WG 37.7 WG		1.5 oz/a 1.5 oz/a		PRE POST B	A	112 209 311 Mean =	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	20.0 20.0 10.0 16.7	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							ZEAMA CROP - INJURY PERCENT Apr-10-15	AMAPA ----- CONTROL PERCENT Apr-10-15	ANNUAL GRASS CONTROL PERCENT Apr-10-15	ZEAMA CROP - STUNT PERCENT Apr-24-15	AMAPA ----- CONTROL PERCENT Apr-24-15	ANNUAL GRASS CONTROL PERCENT Apr-24-15		
Trt	Treatment	Form	Form	Rate	Grow	Appl	1	2	3	4	5	6		
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot						
13	WARRANT NO POST	3	ME	48.0	oz/a	PRE	A	113	0.0	99.0	90.0	0.0	99.0	75.0
								214	0.0	99.0	95.0	0.0	99.0	95.0
								302	0.0	99.0	99.0	0.0	99.0	95.0
								Mean =	0.0	99.0	94.7	0.0	99.0	88.3
14	WARRANT	3	ME	48.0	oz/a	PRE	A	114	0.0	99.0	90.0	0.0	99.0	99.0
	REVULIN Q	51.2	WG	3.4	oz/a	POST	B	206	0.0	99.0	99.0	10.0	99.0	99.0
	COC			1.0	% v/v	POST	B	303	0.0	99.0	99.0	25.0	99.0	95.0
	AMS XTRA	3.4	SL	2.5	% v/v	POST	B							
								Mean =	0.0	99.0	96.0	11.7	99.0	97.7
15	WARRANT	3	ME	48.0	oz/a	PRE	A	115	0.0	99.0	95.0	10.0	99.0	99.0
	REVULIN Q	51.2	WG	4.0	oz/a	POST	B	208	0.0	99.0	95.0	0.0	99.0	99.0
	COC			1.0	% v/v	POST	B	306	0.0	99.0	75.0	10.0	99.0	95.0
	AMS XTRA	3.4	SL	2.5	% v/v	POST	B							
								Mean =	0.0	99.0	88.3	6.7	99.0	97.7
16	WARRANT	3	ME	48.0	oz/a	PRE	A	116	0.0	99.0	75.0	10.0	99.0	99.0
	STEADFAST Q	37.7	WG	1.5	oz/a	POST	B	210	0.0	99.0	99.0	10.0	99.0	99.0
	COC			1.0	% v/v	POST	B	304	0.0	99.0	99.0	10.0	99.0	90.0
	AMS XTRA	3.4	SL	2.5	% v/v	POST	B							
								Mean =	0.0	99.0	91.0	10.0	99.0	96.0

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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 Apr-24-15	----- ZEAMA PLANT - STUNTING PERCENT May-11-15	AMAPA ----- CONTROL PERCENT May-11-15	ANNUAL GRASS CONTROL PERCENT May-11-15	RAPRA ----- CONTROL PERCENT May-11-15	----- ZEAMA PLOT - YIELD LBS/PLOT Aug-15-15			
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	7	8	9	10	11	12
1	NO PRE NO POST							101 215 305 Mean =	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	41.0 45.0 48.0 44.7
2	NO PRE REVULIN Q COC AMS XTRA	51.2	WG	3.4 oz/a 1.0 % v/v 2.5 % v/v		POST B POST B POST B		102 207 312 Mean =	99.0 99.0 95.0 97.7	10.0 0.0 0.0 3.3	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	42.0 48.0 46.0 45.3
3	NO PRE REVULIN Q COC AMS XTRA	51.2	WG	4.0 oz/a 1.0 % v/v 2.5 % v/v		POST B POST B POST B		103 202 301 Mean =	99.0 99.0 99.0 99.0	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	46.0 43.0 47.0 45.3
4	NO PRE STEADFAST Q COC AMS XTRA	37.7	WG	1.5 oz/a 1.0 % v/v 2.5 % v/v		POST B POST B POST B		104 216 315 Mean =	99.0 95.0 95.0 96.3	5.0 10.0 0.0 5.0	99.0 85.0 99.0 94.3	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	40.0 47.0 49.0 45.3
5	DUAL II MAGNUM NO POST	7.62	EC	16.0 oz/a	PRE	A		105 203 307 Mean =	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	85.0 99.0 99.0 94.3	0.0 0.0 99.0 33.0	47.0 39.0 48.0 44.7
6	DUAL II MAGNUM REVULIN Q COC AMS XTRA	7.62	EC	16.0 oz/a 3.4 oz/a 1.0 % v/v 2.5 % v/v	PRE	A		106 204 310 Mean =	99.0 99.0 99.0 99.0	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	43.0 38.0 48.0 43.0
7	DUAL II MAGNUM REVULIN Q COC AMS XTRA	7.62	EC	16.0 oz/a 4.0 oz/a 1.0 % v/v 2.5 % v/v	PRE	A		107 211 316 Mean =	99.0 95.0 99.0 97.7	10.0 10.0 0.0 6.7	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	47.0 47.0 47.0 47.0
8	DUAL II MAGNUM STEADFAST Q COC AMS XTRA	7.62	EC	16.0 oz/a 1.5 oz/a 1.0 % v/v 2.5 % v/v	PRE	A		108 205 313 Mean =	99.0 99.0 95.0 97.7	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	47.0 47.0 51.0 48.3
9	ZIDUA NO POST	85	WG	1.5 oz/a	PRE	A		109 212 314 Mean =	0.0 99.0 0.0 33.0	0.0 10.0 0.0 3.3	99.0 99.0 99.0 99.0	99.0 99.0 50.0 82.7	85.0 85.0 0.0 56.7	45.0 48.0 51.0 48.0
10	ZIDUA REVULIN Q COC AMS XTRA	85	WG	1.5 oz/a 3.4 oz/a 1.0 % v/v 2.5 % v/v	PRE	A		110 201 308 Mean =	99.0 99.0 99.0 99.0	10.0 20.0 0.0 10.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	42.0 42.0 48.0 44.0
11	ZIDUA REVULIN Q COC AMS XTRA	85	WG	1.5 oz/a 4.0 oz/a 1.0 % v/v 2.5 % v/v	PRE	A		111 213 309 Mean =	99.0 99.0 99.0 99.0	0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	41.0 48.0 49.0 46.0
12	ZIDUA STEADFAST Q COC AMS XTRA	85	WG	1.5 oz/a 1.5 oz/a 1.0 % v/v 2.5 % v/v	PRE	A		112 209 311 Mean =	99.0 99.0 99.0 99.0	20.0 20.0 0.0 13.3	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	99.0 99.0 99.0 99.0	37.0 46.0 48.0 43.7

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							RAPRA ----- CONTROL PERCENT Apr-24-15	----- ZEAMA PLANT - STUNTING PERCENT May-11-15	AMAPA ----- CONTROL PERCENT May-11-15	ANNUAL GRASS CONTROL PERCENT May-11-15	RAPRA ----- CONTROL PERCENT May-11-15	----- ZEAMA PLOT - YIELD LBS/PLOT Aug-15-15		
Trt	Treatment	Form	Form	Rate	Grow	Appl	7	8	9	10	11	12		
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot						
13	WARRANT NO POST	3	ME	48.0	oz/a	PRE	A	113	0.0	0.0	99.0	65.0	0.0	41.0
								214	0.0	0.0	99.0	99.0	0.0	49.0
								302	0.0	0.0	99.0	99.0	0.0	47.0
								Mean =	0.0	0.0	99.0	87.7	0.0	45.7
14	WARRANT	3	ME	48.0	oz/a	PRE	A	114	99.0	0.0	99.0	99.0	99.0	40.0
	REVULIN Q	51.2	WG	3.4	oz/a	POST	B	206	99.0	10.0	99.0	99.0	99.0	46.0
	COC			1.0	% v/v	POST	B	303	99.0	10.0	99.0	99.0	99.0	46.0
	AMS XTRA	3.4	SL	2.5	% v/v	POST	B							
								Mean =	99.0	6.7	99.0	99.0	99.0	44.0
15	WARRANT	3	ME	48.0	oz/a	PRE	A	115	99.0	10.0	99.0	99.0	99.0	42.0
	REVULIN Q	51.2	WG	4.0	oz/a	POST	B	208	95.0	0.0	99.0	99.0	99.0	48.0
	COC			1.0	% v/v	POST	B	306	99.0	0.0	99.0	99.0	99.0	49.0
	AMS XTRA	3.4	SL	2.5	% v/v	POST	B							
								Mean =	97.7	3.3	99.0	99.0	99.0	46.3
16	WARRANT	3	ME	48.0	oz/a	PRE	A	116	99.0	0.0	99.0	99.0	99.0	45.0
	STEADFAST Q	37.7	WG	1.5	oz/a	POST	B	210	95.0	0.0	99.0	99.0	99.0	45.0
	COC			1.0	% v/v	POST	B	304	99.0	0.0	99.0	99.0	99.0	49.0
	AMS XTRA	3.4	SL	2.5	% v/v	POST	B							
								Mean =	97.7	0.0	99.0	99.0	99.0	46.3

University of Georgia

Weed Code							-----
Crop Code							ZEAMA
Part Rated							PLOT -
Rating Data Type							YIELD
Rating Unit							BU/A
Rating Date							Aug-15-15
PRM Data Type							TY1
# Subsamples, Dec.							- 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code Plot
							13
1	NO PRE NO POST						101 252 215 276 305 295 Mean = 274
2	NO PRE REVULIN Q COC AMS XTRA	51.2	WG	3.4 oz/a 1.0 % v/v 2.5 % v/v		POST B POST B POST B	102 258 207 295 312 283 Mean = 278
3	NO PRE REVULIN Q COC AMS XTRA	51.2	WG	4.0 oz/a 1.0 % v/v 2.5 % v/v		POST B POST B POST B	103 283 202 264 301 289 Mean = 278
4	NO PRE STEADFAST Q COC AMS XTRA	37.7	WG	1.5 oz/a 1.0 % v/v 2.5 % v/v		POST B POST B POST B	104 246 216 289 315 301 Mean = 278
5	DUAL II MAGNUM NO POST	7.62	EC	16.0 oz/a	PRE	A	105 289 203 240 307 295 Mean = 274
6	DUAL II MAGNUM REVULIN Q COC AMS XTRA	7.62	EC	16.0 oz/a 3.4 oz/a 1.0 % v/v 2.5 % v/v	PRE	A POST B POST B POST B	106 264 204 233 310 295 Mean = 264
7	DUAL II MAGNUM REVULIN Q COC AMS XTRA	7.62	EC	16.0 oz/a 4.0 oz/a 1.0 % v/v 2.5 % v/v	PRE	A POST B POST B POST B	107 289 211 289 316 289 Mean = 289
8	DUAL II MAGNUM STEADFAST Q COC AMS XTRA	7.62	EC	16.0 oz/a 1.5 oz/a 1.0 % v/v 2.5 % v/v	PRE	A POST B POST B POST B	108 289 205 289 313 313 Mean = 297
9	ZIDUA NO POST	85	WG	1.5 oz/a	PRE	A	109 276 212 295 314 313 Mean = 295
10	ZIDUA REVULIN Q COC AMS XTRA	85	WG	1.5 oz/a 3.4 oz/a 1.0 % v/v 2.5 % v/v	PRE	A POST B POST B POST B	110 258 201 258 308 295 Mean = 270
11	ZIDUA REVULIN Q COC AMS XTRA	85	WG	1.5 oz/a 4.0 oz/a 1.0 % v/v 2.5 % v/v	PRE	A POST B POST B POST B	111 252 213 295 309 301 Mean = 283
12	ZIDUA STEADFAST Q COC AMS XTRA	85	WG	1.5 oz/a 1.5 oz/a 1.0 % v/v 2.5 % v/v	PRE	A POST B POST B POST B	112 227 209 283 311 295 Mean = 268

University of Georgia

Weed Code							-----	
Crop Code							ZEAMA	
Part Rated							PLOT -	
Rating Data Type							YIELD	
Rating Unit							BU/A	
Rating Date							Aug-15-15	
PRM Data Type							TY1	
# Subsamples, Dec.							- 0	
Trt	Treatment	Form	Form	Rate	Grow	Appl		
No.	Name	Conc	Type	Rate	Unit	Stg	Code Plot	
13	WARRANT NO POST	3	ME	48.0 oz/a	PRE	A	113 214 302 Mean =	252 301 289 280
14	WARRANT REVULIN Q COC AMS XTRA	3 51.2	ME WG	48.0 oz/a 3.4 oz/a 1.0 % v/v 2.5 % v/v	PRE POST	A B B B	114 206 303 Mean =	246 283 283 270
15	WARRANT REVULIN Q COC AMS XTRA	3 51.2	ME WG	48.0 oz/a 4.0 oz/a 1.0 % v/v 2.5 % v/v	PRE POST	A B B B	115 208 306 Mean =	258 295 301 285
16	WARRANT STEADFAST Q COC AMS XTRA	3 37.7	ME WG	48.0 oz/a 1.5 oz/a 1.0 % v/v 2.5 % v/v	PRE POST	A B B B	116 210 304 Mean =	276 276 301 285

University of Georgia

STEADFAST Q VS REVULIN Q FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-11-15 Study Dir.: STANLEY ROYAL
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

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

RAPRA = RADISH, WILD / RAPHANUS RAPHANISTRUM L.

Part Rated

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

PRM Data Type

TY1 = 6.14185*[12]