

University of Georgia

TOBACCO REPLANT AFTER CORVUS, BALANCE FLEXX, CAPRENO, AND LAUDIS
APPLIED IN FIELD CORN IN 2011

Trial ID: TB-01-12 Study Dir.: KEITH 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 (min .78211)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Rep 1	2	3	4
1	NTC							101	210	316	406
2	CORVUS	2.63	SC	3.0 OZ/A	PRE	A	2.343 ml/mx	102	206	302	409
3	CORVUS ATRAZINE	2.63 4 L	SC	3.0 OZ/A 1.5 QT/A	PRE PRE	A A	2.343 ml/mx 37.5 ml/mx	103	207	311	405
4	CORVUS	2.63	SC	3.0 OZ/A	EPOST	B	2.343 ml/mx	104	208	310	415
5	CORVUS ATRAZINE	2.63 4 L	SC	3.0 OZ/A 1.0 PT/A	EPOST EPOST	B B	2.343 ml/mx 12.5 ml/mx	105	202	304	412
6	BALANCE FLEXX	2	SC	3.0 OZ/A	PRE	A	2.343 ml/mx	106	204	309	410
7	BALANCE FLEXX ATRAZINE	2 4 L	SC	3.0 OZ/A 1.5 QT/A	PRE PRE	A A	2.343 ml/mx 37.5 ml/mx	107	201	315	411
8	BALANCE FLEXX	2	SC	3.0 OZ/A	EPOST	B	2.343 ml/mx	108	211	306	401
9	BALANCE FLEXX ATRAZINE	2 4 L	SC	3.0 OZ/A 1.0 PT/A	EPOST EPOST	B B	2.343 ml/mx 12.5 ml/mx	109	205	313	407
10	CAPRENO COC AMS XTRA	3.45 3.4	SC SL	3.0 OZ/A 1.0 % V/V 2.5 % V/V	EPOST EPOST EPOST	B B B	2.343 ml/mx 15.0 ml/mx 37.5 ml/mx	110	209	301	414
11	CAPRENO COC AMS XTRA	3.45 3.4	SC SL	3.0 OZ/A 1.0 % V/V 2.5 % V/V	MPOST MPOST MPOST	C C C	2.343 ml/mx 15.0 ml/mx 37.5 ml/mx	111	214	307	413
12	LAUDIS MSO AMS XTRA	3.5 3.4	SC SL	3.0 OZ/A 1.0 % V/V 2.5 % V/V	EPOST EPOST EPOST	B B B	2.343 ml/mx 15.0 ml/mx 37.5 ml/mx	112	215	303	402
13	LAUDIS ATRAZINE MSO AMS XTRA	3.5 4 L 3.4	SC SL	3.0 OZ/A 3.0 PT/A 1.0 % V/V 2.5 % V/V	EPOST EPOST EPOST EPOST	B B B B	2.343 ml/mx 37.5 ml/mx 15.0 ml/mx 37.5 ml/mx	113	216	305	403
14	LAUDIS MSO AMS XTRA	3.5 3.4	SC SL	3.0 OZ/A 1.0 % V/V 2.5 % V/V	MPOST MPOST MPOST	C C C	2.343 ml/mx 15.0 ml/mx 37.5 ml/mx	114	203	314	416
15	LAUDIS ATRAZINE MSO AMS XTRA	3.5 4 L 3.4	SC SL	3.0 OZ/A 3.0 PT/A 1.0 % V/V 2.5 % V/V	MPOST MPOST MPOST MPOST	C C C C	2.343 ml/mx 37.5 ml/mx 15.0 ml/mx 37.5 ml/mx	115	212	308	404
16	STEADFAST Q ATRAZINE COC	37.7 4 L 	WG 	1.5 OZ/A 3.0 PT/A 1.0 % V/V	EPOST EPOST EPOST	B B B	1.123 g/mx 37.5 ml/mx 15.0 ml/mx	116	213	312	408

Sort Order: Replicate 1

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Trial Comments

CORVUS = 1.88 LBS ISOXAFLUTOLE + 0.75 LBS THIENCARBAZONE + CYPROSULFAMIDE
BALANCE FLEXX = ISOXAFLUTOLE + CYPROSULFAMIDE
CAPRENO = 2.88 LBS LAUDIS + 0.57 LBS THIENCARBAZONE + ISOXADIFEN
STEADFAST Q = 12.5% RIMSULFURON + 25.5% NICOSULFURON + ISOXADIFEN

COC = PRIMARY
MSO = MES 100

GRAMOXONE INTEON @ 3 PTS/A - SEPTEMBER 14, 2011
TOUCHDOWN TOTAL @ 32 OZ/A + SELECTMAX @ 12 OZ/A - OCTOBER 27, 2011
GLYPHOSATE @ 2 QTS/A - JANUARY 20, 2012
PROWL H2O @ 2.1 PT/A + SPARTAN CHARGE @ 8 OZ/A + GRAMOXONE SL @ 3 PTS/A + NIS @ 0.25% V/V - MARCH 28, 2012

SIDEDRESS 450 LBS/A 9-0-36-14S ON APRIL 13
RE-TRANSPLANTED DEAD PLANTS AFTER RATINGS ON APRIL 13
SIDEDRESS 345 LBS/A 9-0-36 ON MAY 14

TOBACCO TRANSPLANT VIGOR/GROWTH RATINGS: 1 = POOR; 2 = FAIR; 3 = GOOD; 4 = EXCELLENT

SUMMARY:

1) THE CURRENT LABELED ROTATION RESTRICTIONS FOR TOBACCO FOLLOWING THE HERBICIDES USED IN THIS STUDY ARE AS FOLLOWS:
CORVUS = 17 MONTHS + 30" RAINFALL/IRRIGATION; BALANCE FLEXX = 18 MONTHS + 15" RAINFALL/IRRIGATION; CAPRENO = 18 MONTHS + 30" RAINFALL/IRRIGATION; LAUDIS = 18 MONTHS; AND STEADFAST Q = 10 MONTHS (SOIL PH LESS THAN 6.5).

2) HERBICIDE TREATMENTS APPLIED 12-13 MONTHS BEFORE TOBACCO TRANSPLANTING THAT CAUSED SIGNIFICANT REDUCTIONS IN TOBACCO PLANT GROWTH IN AT LEAST 3 OF 6 RATINGS INCLUDED THE FOLLOWING:

- 1) BALANCE FLEXX + ATRAZINE (PRE)
- 2) CAPRENO (MPOST)
- 3) LAUDIS + ATRAZINE (MPOST)

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APPLIED IN FIELD CORN IN 2011

Trial ID: TB-01-12 Study Dir.: KEITH RUCKER
Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: KEITH 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. _____ **2.** _____
Crop 1: TOBAC TOBACCO **Variety:** K-326 **Planting Date:** Apr-4-12
Planting Method: TRANSPLANTED - HAND **Rate:** 12 PLNTS/PLOT **Depth:** 2 IN
Perennial Age: _____ **Row Spacing:** 36 IN **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** DRY **Emergence Date:** _____

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** RACOB
Trial Initiation Comments: _____

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

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND **% OM:** 1.03 **% Sand:** 94 **% Silt:** 2 **% Clay:** 4
pH: 6.0 **CEC:** _____ **Soil Name:** FUQUAY **Fertility Level:** GOOD

MOISTURE CONDITIONS

On: Date **Time** **Amount** **Unit** **Type** **Interval** **Unit**
1. _____

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

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APPLIED IN FIELD CORN IN 2011

Trial ID: TB-01-12

Study Dir.: KEITH RUCKER

Location: PONDER FARM

Investigator: Eric P. Prostko

APPLICATION DESCRIPTION									
		A	B	C	D	E	F		
Application Date:	Mar-26-11		Apr-11-11	Apr-25-11					
Time of Day:	8:30 AM		8:00 AM	8:30 AM					
Application Method:	BROADCAST		BROADCAST	BROADCAST					
Application Timing:	PRE		EPOST	MPOST					
Applic. Placement:	SOIL		FOLIAGE	FOLIAGE					
Air Temp., Unit:	56 F		75 F	74 F					
% Relative Humidity:	87		70	64					
Wind Velocity, Unit:	0 MPH		0 MPH	4 MPH					
Dew Presence (Y/N):	N		Y	N					
Water Hardness:	--		--	--					
Soil Temp., Unit:	61 F		68 F	75 F					
Soil Moisture:	OPTIMUM		OPTIMUM	DRY					
% Cloud Cover:	25		0	75					

CROP STAGE AT EACH APPLICATION									
		A	B	C	D	E	F		
Crop 1	Stage: TOBAC								
	Stage Scale:								
	Height, Unit:								

WEED STAGE AT EACH APPLICATION									
		A	B	C	D	E	F		
Weed 1	Stage:								
	Stage Scale:								
	Density, Unit:								
Weed 2	Stage:								
	Stage Scale:								
	Density, Unit:								

APPLICATION EQUIPMENT									
		A	B	C	D	E	F		
Appl. Equipment:	BACKPACK	SAME		SAME					
Operating Pressure:	38								
Nozzle Type:	FLAT FAN								
Nozzle Size:	11002DG								
Nozzle Spacing, Unit:	20	IN							
Nozzles/Row:									
Band Width, Unit:									
Boom Length, Unit:	60	IN							
Boom Height, Unit:	17	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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Weed Code	-----	-----	-----	-----	-----
Crop Code	TOBACCO	TOBACCO	TOBACCO	TOBACCO	TOBACCO
Part Rated	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -
Rating Data Type	GROWTH	GROWTH	GROWTH	GROWTH	GROWTH
Rating Unit	1-4	1-4	1-4	1-4	1-4
Rating Date	Apr-13-12	Apr-24-12	Apr-28-12	May-4-12	May-21-12
Crop Stage					
Crop Stage Scale					
Weed Stage					
Weed Density, Unit					
Footnote Number					
Trt-Eval Interval					
PRM Data Type					
# Subsamples, Dec.	- 1	- 1	- 1	- 1	- 1
Trt Treatment	Form	Form	Rate	Grow	Appl
No. Name	Conc	Type	Rate	Stg	Code
1 NTC					
2 CORVUS	2.63 SC	3.0 OZ/A	PRE	A	
3 CORVUS	2.63 SC	3.0 OZ/A	PRE	A	
ATRAZINE	4 L	1.5 QT/A	PRE	A	
4 CORVUS	2.63 SC	3.0 OZ/A	EPOST	B	
5 CORVUS	2.63 SC	3.0 OZ/A	EPOST	B	
ATRAZINE	4 L	1.0 PT/A	EPOST	B	
6 BALANCE FLEXX	2 SC	3.0 OZ/A	PRE	A	
7 BALANCE FLEXX	2 SC	3.0 OZ/A	PRE	A	
ATRAZINE	4 L	1.5 QT/A	PRE	A	
8 BALANCE FLEXX	2 SC	3.0 OZ/A	EPOST	B	
9 BALANCE FLEXX	2 SC	3.0 OZ/A	EPOST	B	
ATRAZINE	4 L	1.0 PT/A	EPOST	B	
10 CAPRENO	3.45 SC	3.0 OZ/A	EPOST	B	
COC		1.0 % V/V	EPOST	B	
AMS XTRA	3.4 SL	2.5 % V/V	EPOST	B	
11 CAPRENO	3.45 SC	3.0 OZ/A	MPOST	C	
COC		1.0 % V/V	MPOST	C	
AMS XTRA	3.4 SL	2.5 % V/V	MPOST	C	

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.

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Weed Code	-----	-----	-----	-----	-----
Crop Code	TOBACCO	TOBACCO	TOBACCO	TOBACCO	TOBACCO
Part Rated	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -
Rating Data Type	GROWTH	GROWTH	GROWTH	GROWTH	GROWTH
Rating Unit	1-4	1-4	1-4	1-4	1-4
Rating Date	Apr-13-12	Apr-24-12	Apr-28-12	May-4-12	May-21-12
Crop Stage					
Crop Stage Scale					
Weed Stage					
Weed Density, Unit					
Footnote Number					
Trt-Eval Interval					
PRM Data Type					
# Subsamples, Dec.	- 1	- 1	- 1	- 1	- 1
Trt Treatment No. Name	Form Form Conc Type Rate Rate Unit Grow Stg Appl Code				
12 LAUDIS MSO AMS XTRA	3.5 SC 3.0 OZ/A EPOST B 1.0 % V/V EPOST B 3.4 SL 2.5 % V/V EPOST B	2.6 a-d	2.3 a-d	2.1 a-e	2.6 a-d 2.9 a
13 LAUDIS ATRAZINE MSO AMS XTRA	3.5 SC 3.0 OZ/A EPOST B 4 L 3.0 PT/A EPOST B 1.0 % V/V EPOST B 3.4 SL 2.5 % V/V EPOST B	2.3 a-e	2.5 ab	2.4 a-d	2.9 ab 3.0 a
14 LAUDIS MSO AMS XTRA	3.5 SC 3.0 OZ/A MPOST C 1.0 % V/V MPOST C 3.4 SL 2.5 % V/V MPOST C	2.1 b-f	2.1 a-d	1.8 b-f	2.0 a-e 2.5 a
15 LAUDIS ATRAZINE MSO AMS XTRA	3.5 SC 3.0 OZ/A MPOST C 4 L 3.0 PT/A MPOST C 1.0 % V/V MPOST C 3.4 SL 2.5 % V/V MPOST C	1.9 c-f	1.6 d	1.4 ef	1.5 e 2.3 a
16 STEADFAST Q ATRAZINE COC	37.7 WG 1.5 OZ/A EPOST B 4 L 3.0 PT/A EPOST B 1.0 % V/V EPOST B	3.1 a	2.6 a	2.5 abc	2.8 abc 3.1 a
LSD (P=.10)	0.78	0.57	0.77	0.86	0.64
Standard Deviation	0.66	0.48	0.64	0.72	0.53
CV	29.21	22.57	33.23	32.89	20.25
Grand Mean	2.25	2.11	1.94	2.2	2.64
Bartlett's X2	12.587	7.438	8.794	6.083	13.598
P(Bartlett's X2)	0.559	0.944	0.844	0.978	0.556
Replicate F	3.521	3.560	3.392	6.862	12.252
Replicate Prob(F)	0.0224	0.0214	0.0259	0.0007	0.0001
Treatment F	2.547	2.384	2.231	2.318	1.360
Treatment Prob(F)	0.0079	0.0125	0.0194	0.0152	0.2087

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Weed Code							-----
Crop Code							TOBACCO
Part Rated							PLANT -
Rating Data Type							GROWTH
Rating Unit							1-4
Rating Date							Jun-4-12
Crop Stage							
Crop Stage Scale							
Weed Stage							
Weed Density, Unit							
Footnote Number							
Trt-Eval Interval							
PRM Data Type							
# Subsamples, Dec.							1 -
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	Appl Code
1	NTC						
2	CORVUS	2.63	SC	3.0	OZ/A	PRE	A
3	CORVUS ATRAZINE	2.63 4 L	SC	3.0 1.5	OZ/A QT/A	PRE PRE	A A
4	CORVUS	2.63	SC	3.0	OZ/A	EPOST	B
5	CORVUS ATRAZINE	2.63 4 L	SC	3.0 1.0	OZ/A PT/A	EPOST EPOST	B B
6	BALANCE FLEXX	2	SC	3.0	OZ/A	PRE	A
7	BALANCE FLEXX ATRAZINE	2 4 L	SC	3.0 1.5	OZ/A QT/A	PRE PRE	A A
8	BALANCE FLEXX	2	SC	3.0	OZ/A	EPOST	B
9	BALANCE FLEXX ATRAZINE	2 4 L	SC	3.0 1.0	OZ/A PT/A	EPOST EPOST	B B
10	CAPRENO COC AMS XTRA	3.45 3.4	SC SL	3.0 2.5	OZ/A % V/V	EPOST EPOST EPOST	B B B
11	CAPRENO COC AMS XTRA	3.45 3.4	SC SL	3.0 2.5	OZ/A % V/V	MPOST MPOST MPOST	C C C

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Weed Code	----
Crop Code	TOBACCO
Part Rated	PLANT -
Rating Data Type	GROWTH
Rating Unit	1-4
Rating Date	Jun-4-12
Crop Stage	
Crop Stage Scale	
Weed Stage	
Weed Density, Unit	
Footnote Number	
Trt-Eval Interval	
PRM Data Type	
# Subsamples, Dec.	1 -

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Growth Stg	Appl Code
12	LAUDIS MSO AMS XTRA	3.5 SC		3.0 OZ/A EPOST B 1.0 % V/V EPOST B 2.5 % V/V EPOST B	EPOST B EPOST B EPOST B	2.63 a
13	LAUDIS ATRAZINE MSO AMS XTRA	3.5 SC 4 L 3.4 SL		3.0 OZ/A EPOST B 3.0 PT/A EPOST B 1.0 % V/V EPOST B 2.5 % V/V EPOST B	EPOST B EPOST B EPOST B EPOST B	2.63 a
14	LAUDIS MSO AMS XTRA	3.5 SC 3.4 SL		3.0 OZ/A MPOST C 1.0 % V/V MPOST C 2.5 % V/V MPOST C	MPOST C MPOST C MPOST C	2.13 a
15	LAUDIS ATRAZINE MSO AMS XTRA	3.5 SC 4 L 3.4 SL		3.0 OZ/A MPOST C 3.0 PT/A MPOST C 1.0 % V/V MPOST C 2.5 % V/V MPOST C	MPOST C MPOST C MPOST C MPOST C	1.88 a
16	STEADFAST Q ATRAZINE COC	37.7 WG 4 L		1.5 OZ/A EPOST B 3.0 PT/A EPOST B 1.0 % V/V EPOST B	EPOST B EPOST B EPOST B	2.75 a
LSD (P=.10)						0.880
Standard Deviation CV						0.739 32.18
Grand Mean						2.3
Bartlett's X ²						15.494
P(Bartlett's X ²)						0.416
Replicate F						3.462
Replicate Prob(F)						0.0239
Treatment F						1.234
Treatment Prob(F)						0.2833

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Weed Code	-----	-----	-----	-----	-----
Crop Code	TOBACCO	TOBACCO	TOBACCO	TOBACCO	TOBACCO
Part Rated	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -
Rating Data Type	GROWTH	GROWTH	GROWTH	GROWTH	GROWTH
Rating Unit	1-4	1-4	1-4	1-4	1-4
Rating Date	Apr-13-12	Apr-24-12	Apr-28-12	May-4-12	May-21-12
Crop Stage					
Crop Stage Scale					
Weed Stage					
Weed Density, Unit					
Footnote Number					
Trt-Eval Interval					
PRM Data Type					
# Subsamples, Dec.	- 1	- 1	- 1	- 1	- 1
Trt Treatment	Form Form	Rate	Grow	Appl	
No. Name	Conc Type Rate Unit	Stg	Code	Plot	
1 NTC					
	101	4.0	3.5	4.0	4.0
	210	2.0	2.0	2.0	3.0
	316	2.5	2.5	2.5	2.0
	406	2.0	2.0	2.5	3.0
Mean =	2.6	2.5	2.8	2.9	3.1
2 CORVUS	2.63 SC	3.0 OZ/A	PRE	A	
	102	4.0	3.0	4.0	4.0
	206	2.0	2.5	2.0	2.5
	302	2.5	2.0	2.5	2.5
	409	2.5	2.5	2.0	2.5
Mean =	2.8	2.5	2.6	3.0	2.9
3 CORVUS	2.63 SC	3.0 OZ/A	PRE	A	
ATRAZINE	4 L	1.5 QT/A	PRE	A	
	103	1.0	2.5	3.0	3.5
	207	1.0	1.5	1.0	1.5
	311	2.0	2.0	2.5	2.5
	405	1.0	1.5	2.0	2.0
Mean =	1.3	1.9	2.1	1.8	2.4
4 CORVUS	2.63 SC	3.0 OZ/A	EPOST	B	
	104	3.0	2.5	3.0	4.0
	208	2.0	1.5	1.0	2.0
	310	2.0	1.5	1.0	1.5
	415	3.0	2.0	2.0	2.0
Mean =	2.5	1.9	1.8	1.8	2.4
5 CORVUS	2.63 SC	3.0 OZ/A	EPOST	B	
ATRAZINE	4 L	1.0 PT/A	EPOST	B	
	105	3.0	2.0	2.0	2.5
	202	2.0	1.5	1.0	2.0
	304	2.0	2.0	1.5	2.5
	412	1.5	2.0	1.5	2.5
Mean =	2.1	1.9	1.5	1.9	2.5
6 BALANCE FLEXX	2 SC	3.0 OZ/A	PRE	A	
	106	4.0	3.0	3.0	3.0
	204	4.0	3.0	2.0	3.5
	309	1.5	2.0	1.0	2.0
	410	1.5	1.5	1.0	1.5
Mean =	2.8	2.4	1.8	2.1	2.5

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Weed Code							-----	-----	-----	-----	-----
Crop Code							TOBACCO	TOBACCO	TOBACCO	TOBACCO	TOBACCO
Part Rated							PLANT -	PLANT -	PLANT -	PLANT -	PLANT -
Rating Data Type							GROWTH	GROWTH	GROWTH	GROWTH	GROWTH
Rating Unit							1-4	1-4	1-4	1-4	1-4
Rating Date							Apr-13-12	Apr-24-12	Apr-28-12	May-4-12	May-21-12
Crop Stage											
Crop Stage Scale											
Weed Stage											
Weed Density, Unit											
Footnote Number											
Trt-Eval Interval											
PRM Data Type											
# Subsamples, Dec.							- 1	- 1	- 1	- 1	- 1
Trt Treatment	Form Form	Rate	Grow	Appl							
No. Name	Conc Type	Rate Unit	Stg	Code Plot							
7 BALANCE FLEXX	2 SC	3.0 OZ/A	PRE	A 107	2.0	1.0	1.0	1.0	2.0		
ATRAZINE	4 L	1.5 QT/A	PRE	A 201	2.0	2.5	1.0	2.5	3.0		
				315	2.0	1.5	1.0	1.0	2.0		
				411	1.0	1.5	1.0	1.0	1.5		
				Mean =	1.8	1.6	1.0	1.4	2.1		
8 BALANCE FLEXX	2 SC	3.0 OZ/A	EPOST	B 108	2.0	1.5	1.0	2.0	2.5		
				211	2.0	2.0	2.5	3.0	3.5		
				306	2.0	1.5	1.5	1.0	2.0		
				401	2.0	2.0	1.5	1.5	2.5		
				Mean =	2.0	1.8	1.6	1.9	2.6		
9 BALANCE FLEXX	2 SC	3.0 OZ/A	EPOST	B 109	2.5	2.5	1.5	3.0	3.3		
ATRAZINE	4 L	1.0 PT/A	EPOST	B 205	3.0	3.0	2.5	3.5	3.0		
				313	2.5	2.0	2.0	1.5	2.5		
				407	3.5	3.0	3.0	3.0	3.0		
				Mean =	2.9	2.6	2.3	2.8	3.0		
10 CAPRENO	3.45 SC	3.0 OZ/A	EPOST	B 110	1.0	2.0	2.0	3.0	3.0		
COC		1.0 % V/V	EPOST	B 209	1.5	1.5	1.0	2.5	3.0		
AMS XTRA	3.4 SL	2.5 % V/V	EPOST	B 301	2.5	1.5	2.0	2.0	3.0		
				414	2.0	2.5	2.0	2.0	2.0		
				Mean =	1.8	1.9	1.8	2.4	2.8		
11 CAPRENO	3.45 SC	3.0 OZ/A	MPOST	C 111	2.0	2.0	2.5	3.0	3.5		
COC		1.0 % V/V	MPOST	C 214	2.0	1.5	2.0	1.0	2.5		
AMS XTRA	3.4 SL	2.5 % V/V	MPOST	C 307	1.0	1.5	1.0	1.0	1.5		
				413	1.5	2.0	1.5	1.5	2.0		
				Mean =	1.6	1.8	1.8	1.6	2.4		
12 LAUDIS	3.5 SC	3.0 OZ/A	EPOST	B 112	3.0	3.0	3.0	4.0	4.0		
MSO		1.0 % V/V	EPOST	B 215	2.5	2.0	1.0	1.0	2.0		
AMS XTRA	3.4 SL	2.5 % V/V	EPOST	B 303	2.5	2.0	2.5	3.0	2.5		
				402	2.5	2.0	2.0	2.5	3.0		
				Mean =	2.6	2.3	2.1	2.6	2.9		

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TOBACCO REPLANT AFTER CORVUS, BALANCE FLEXX, CAPRENO, AND LAUDIS
APPLIED IN FIELD CORN IN 2011

Trial ID: TB-01-12 Study Dir.: KEITH RUCKER
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						-----	-----	-----	-----	-----
Crop Code						TOBACCO	TOBACCO	TOBACCO	TOBACCO	TOBACCO
Part Rated						PLANT -	PLANT -	PLANT -	PLANT -	PLANT -
Rating Data Type						GROWTH	GROWTH	GROWTH	GROWTH	GROWTH
Rating Unit						1-4	1-4	1-4	1-4	1-4
Rating Date						Apr-13-12	Apr-24-12	Apr-28-12	May-4-12	May-21-12
Crop Stage										
Crop Stage Scale										
Weed Stage										
Weed Density, Unit										
Footnote Number										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.						- 1	- 1	- 1	- 1	- 1
Trt Treatment	Form	Form	Rate	Grow	Appl					
No. Name	Conc	Type	Rate Unit	Stg	Code Plot					
13 LAUDIS	3.5	SC	3.0 OZ/A	EPOST B	113	3.0	3.0	3.0	3.5	4.0
ATRAZINE	4	L	3.0 PT/A	EPOST B	216	2.5	3.0	2.0	2.5	3.0
MSO			1.0 % V/V	EPOST B	305	2.5	2.5	3.0	3.5	3.0
AMS XTRA	3.4	SL	2.5 % V/V	EPOST B	403	1.0	1.5	1.5	2.0	2.0
Mean =						2.3	2.5	2.4	2.9	3.0
14 LAUDIS	3.5	SC	3.0 OZ/A	MPOST C	114	3.0	2.5	2.0	2.5	3.0
MSO			1.0 % V/V	MPOST C	203	1.0	2.0	1.5	2.0	2.5
AMS XTRA	3.4	SL	2.5 % V/V	MPOST C	314	2.5	1.5	1.5	1.0	2.0
					416	2.0	2.5	2.0	2.5	2.5
Mean =						2.1	2.1	1.8	2.0	2.5
15 LAUDIS	3.5	SC	3.0 OZ/A	MPOST C	115	2.0	2.0	1.0	1.0	2.5
ATRAZINE	4	L	3.0 PT/A	MPOST C	212	2.5	2.0	2.0	2.0	3.0
MSO			1.0 % V/V	MPOST C	308	2.0	1.5	1.5	2.0	2.0
AMS XTRA	3.4	SL	2.5 % V/V	MPOST C	404	1.0	1.0	1.0	1.0	1.5
Mean =						1.9	1.6	1.4	1.5	2.3
16 STEADFAST Q	37.7	WG	1.5 OZ/A	EPOST B	116	3.0	2.5	2.0	2.5	3.3
ATRAZINE	4	L	3.0 PT/A	EPOST B	213	3.5	3.0	3.0	3.5	3.0
COC			1.0 % V/V	EPOST B	312	3.5	3.0	2.5	2.5	3.0
					408	2.5	2.0	2.5	2.5	3.0
Mean =						3.1	2.6	2.5	2.8	3.1

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TOBACCO REPLANT AFTER CORVUS, BALANCE FLEXX, CAPRENO, AND LAUDIS
APPLIED IN FIELD CORN IN 2011

Trial ID: TB-01-12 Study Dir.: KEITH RUCKER
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code								----	
Crop Code								TOBACCO	
Part Rated								PLANT -	
Rating Data Type								GROWTH	
Rating Unit								1-4	
Rating Date								Jun-4-12	
Crop Stage									
Crop Stage Scale									
Weed Stage									
Weed Density, Unit									
Footnote Number									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.								1 -	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	Appl Code	Plot	
1	NTC						101		4.00
							210		3.00
							316		2.50
							406		2.50
							Mean =		3.00
2	CORVUS	2.63	SC	3.0	OZ/A	PRE	A	102	4.00
								206	2.00
								302	2.50
								409	1.50
							Mean =		2.50
3	CORVUS	2.63	SC	3.0	OZ/A	PRE	A	103	4.00
	ATRAZINE	4	L	1.5	QT/A	PRE	A	207	1.00
								311	2.00
								405	2.00
							Mean =		2.25
4	CORVUS	2.63	SC	3.0	OZ/A	EPOST	B	104	3.00
								208	1.00
								310	1.00
								415	2.00
							Mean =		1.75
5	CORVUS	2.63	SC	3.0	OZ/A	EPOST	B	105	2.50
	ATRAZINE	4	L	1.0	PT/A	EPOST	B	202	2.00
								304	2.50
								412	3.00
							Mean =		2.50
6	BALANCE FLEXX	2	SC	3.0	OZ/A	PRE	A	106	2.00
								204	3.00
								309	1.00
								410	1.50
							Mean =		1.88

TOBACCO REPLANT AFTER CORVUS, BALANCE FLEXX, CAPRENO, AND LAUDIS
APPLIED IN FIELD CORN IN 2011

Weed Code	-----
Crop Code	TOBACCO
Part Rated	PLANT
Rating Data Type	GROWTH
Rating Unit	1-4
Rating Date	Jun-4-12
Crop Stage	
Crop Stage Scale	
Weed Stage	
Weed Density, Unit	
Footnote Number	
Trt-Eval Interval	
PRM Data Type	
# Subsamples, Dec.	1 -

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg	Appl Code	Plot Plot		
7	BALANCE FLEXX	2	SC	3.0	OZ/A	PRE	A	107	1.00	
	ATRAZINE	4	L	1.5	QT/A	PRE	A	201	2.00	
									315	1.50
									411	1.50
									Mean =	1.50
8	BALANCE FLEXX	2	SC	3.0	OZ/A	EPOST	B	108	1.00	
								211	3.00	
									306	2.00
									401	2.00
									Mean =	2.00
9	BALANCE FLEXX	2	SC	3.0	OZ/A	EPOST	B	109	2.50	
	ATRAZINE	4	L	1.0	PT/A	EPOST	B	205	3.00	
									313	2.00
									407	3.00
									Mean =	2.63
10	CAPRENO	3.45	SC	3.0	OZ/A	EPOST	B	110	3.00	
	COC			1.0	% V/V	EPOST	B	209	2.00	
	AMS XTRA	3.4	SL	2.5	% V/V	EPOST	B	301	2.50	
								414	2.00	
								Mean =	2.38	
11	CAPRENO	3.45	SC	3.0	OZ/A	MPOST	C	111	4.00	
	COC			1.0	% V/V	MPOST	C	214	2.00	
	AMS XTRA	3.4	SL	2.5	% V/V	MPOST	C	307	2.00	
								413	1.50	
								Mean =	2.38	
12	LAUDIS	3.5	SC	3.0	OZ/A	EPOST	B	112	4.00	
	MSO			1.0	% V/V	EPOST	B	215	1.00	
	AMS XTRA	3.4	SL	2.5	% V/V	EPOST	B	303	3.00	
								402	2.50	
								Mean =	2.63	

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TOBACCO REPLANT AFTER CORVUS, BALANCE FLEXX, CAPRENO, AND LAUDIS
APPLIED IN FIELD CORN IN 2011

Trial ID: TB-01-12 Study Dir.: KEITH RUCKER
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code							-----	
Crop Code							TOBACCO	
Part Rated							PLANT -	
Rating Data Type							GROWTH	
Rating Unit							1-4	
Rating Date							Jun-4-12	
Crop Stage								
Crop Stage Scale								
Weed Stage								
Weed Density, Unit								
Footnote Number								
Trt-Eval Interval								
PRM Data Type								
# Subsamples, Dec.							1 -	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Plot	
13	LAUDIS	3.5	SC	3.0 OZ/A	EPOST B	113		3.00
	ATRAZINE	4	L	3.0 PT/A	EPOST B	216		2.00
	MSO			1.0 % V/V	EPOST B	305		3.00
	AMS XTRA	3.4	SL	2.5 % V/V	EPOST B	403		2.50
						Mean =		2.63
14	LAUDIS	3.5	SC	3.0 OZ/A	MPOST C	114		2.50
	MSO			1.0 % V/V	MPOST C	203		2.00
	AMS XTRA	3.4	SL	2.5 % V/V	MPOST C	314		1.50
						416		2.50
						Mean =		2.13
15	LAUDIS	3.5	SC	3.0 OZ/A	MPOST C	115		2.00
	ATRAZINE	4	L	3.0 PT/A	MPOST C	212		2.50
	MSO			1.0 % V/V	MPOST C	308		2.00
	AMS XTRA	3.4	SL	2.5 % V/V	MPOST C	404		1.00
						Mean =		1.88
16	STEADFAST Q	37.7	WG	1.5 OZ/A	EPOST B	116		2.50
	ATRAZINE	4	L	3.0 PT/A	EPOST B	213		2.50
	COC			1.0 % V/V	EPOST B	312		3.00
						408		3.00
						Mean =		2.75