

University of Georgia

TOBACCO PLANT-BACK FOLLOWING BALANCE FLEXX AND CORVUS APPLIED TO BARE GROUND									
Trial ID: TB-01-14		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	Grow Stg	Appl Code	Amt Product to Measure	Rep 1	2	3	4
1	NTC							101	207	304	401
2	BALANCE FLEXX ATRAZINE	2 SC 4 L		4.0 oz/a 32.0 oz/a	BARE A BARE A		3.125 ml/mx 25.0 ml/mx	102	201	306	407
3	BALANCE FLEXX ATRAZINE	2 SC 4 L		6.0 oz/a 32.0 oz/a	BARE A BARE A		4.687 ml/mx 25.0 ml/mx	103	205	301	403
4	BALANCE FLEXX ATRAZINE	2 SC 4 L		12.0 oz/a 32.0 oz/a	BARE A BARE A		9.374 ml/mx 25.0 ml/mx	104	206	307	405
5	CORVUS ATRAZINE	2.83 SC 4 L		3.3 oz/a 32.0 oz/a	BARE A BARE A		2.578 ml/mx 25.0 ml/mx	105	204	305	404
6	CORVUS ATRAZINE	2.83 SC 4 L		5.6 oz/a 32.0 oz/a	BARE A BARE A		4.375 ml/mx 25.0 ml/mx	106	203	302	406
7	CORVUS ATRAZINE	2.83 SC 4 L		11.2 oz/a 32.0 oz/a	BARE A BARE A		8.749 ml/mx 25.0 ml/mx	107	202	303	402

Sort Order: Treatment

Trial Comments

BALANCE FLEXX = ISOXAFLUTOLE (2 LBS/GAL) + CYPROSULFAMIDE (SAFENER)
 CORVUS = ISOXAFLUTOLE (1.88 LBS/GAL) + THIENCARBAZONE (0.75 LBS/GAL) + CYPROSULFAMIDE (SAFENER)

ROUNDUP W-MAX @ 32 OZ/A - JUNE 4, 2013
 GRAMOXONE @ 3 PTS/A + DUAL MAGNUM @ 16 OZ/A + COC @ 1% V/V - JUNE 26, 2013
 GRAMOXONE @ 3 PTS/A - AUGUST 1, 2013
 GRAMOXONE @ 2 PT/A + VALOR @ 1 OZ/A - NOVEMBER 11, 2013

GLYPHOS XTRA @ 48 OZ/A + SPARTAN @ 8 OZ/A + PROWL H2O @ 32 OZ/A - MARCH 25, 2014

TOBACCO PLANTS TREATED WITH ADMIRE IN GREENHOUSE PRIOR TO TRANSPLANTING
 CORAGEN @ 7 OZ/100 GALS IN TRANSPLANT WATER

365 LBS/A 6-6-18 SIDE-DRESSED AFTER TRANSPLANTING + 5/2/14

CURRENT TOBACCO PLANT BACK RESTRICTIONS: BALANCE FLEXX = 18 MONTHS; CORVUS = 17 MONTHS

SUMMARY:

1) NONE OF THE DATA COLLECTED WOULD SUGGEST THAT TOBACCO WAS INJURED BY CORVUS OR BALANCE FLEXX APPLIED 12 MONTHS BEFORE PLANTING.

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TOBACCO PLANT-BACK FOLLOWING BALANCE FLEXX AND CORVUS APPLIED TO BARE GROUND			
Trial ID:	TB-01-14	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: _____	
City: _____		Country: _____	
State/Prov.: _____		Postal Code: _____	
Conducted Under GLP (Y/N): N		Conducted Under GEP (Y/N): N	
Objective: _____			
Conclusions: _____			

CROP AND PEST DESCRIPTION			
Weed 1. _____	Weed 2. _____		_____
Weed 3. _____	Weed 4. _____		_____
Crop 1: NIOTA	TOBACCO	Variety: NC-71	Planting Date: Apr-11-14
Planting Method: TRANSPLANTED - HAND	Rate: 12	PLNTS/PLOT	Depth: 2.0 IN
Perennial Age: _____	Row Spacing: 6 FT	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: RACOB	
Trial Initiation Comments: _____			
Previous: Crops _____ Pesticides _____ Year _____			
1. CORN 2012 _____			

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

SOIL DESCRIPTION			
Texture: SAND	% OM: 1.02	% Sand: 94	% Silt: 4
pH: 6.2	CEC: 2.5	Soil Name: TIFTON	Fertility Level: FAIR
Fertilizer: _____			
MOISTURE CONDITIONS			
On: Date	Time	Amount Unit	Interval Unit
1. Apr-11-14	_____	0.5 IN	SPRINKLER - LATERAL MOVE
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
Overall Moisture Conditions: _____			
Closest Weather Station: _____		Distance: _____	Unit: _____

APPLICATION DESCRIPTION						
	A	B	C	D	E	F
Application Date:	Apr-17-13	_____	_____	_____	_____	_____
Time of Day:	7:30 AM	_____	_____	_____	_____	_____
Application Method:	BROADCAST	_____	_____	_____	_____	_____
Application Timing:	PRE	_____	_____	_____	_____	_____
Applic. Placement:	BAREGROUND	_____	_____	_____	_____	_____
Air Temp., Unit:	61 F	_____	_____	_____	_____	_____
% Relative Humidity:	80	_____	_____	_____	_____	_____
Wind Velocity, Unit:	0 MPH	_____	_____	_____	_____	_____
Dew Presence (Y/N):	Y	_____	_____	_____	_____	_____
Water Hardness:	---	_____	_____	_____	_____	_____
Soil Temp., Unit:	64 F	_____	_____	_____	_____	_____
Soil Moisture:	OPTIMUM	_____	_____	_____	_____	_____
% Cloud Cover:	50	_____	_____	_____	_____	_____

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

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		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: _____	_____	_____	_____	_____	_____	_____
Weed 3	Stage: _____	_____	_____	_____	_____	_____	_____
	Stage Scale: _____	_____	_____	_____	_____	_____	_____
	Density, Unit: _____	_____	_____	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	_____	_____	_____	_____	_____	_____
Operating Pressure:	40	_____	_____	_____	_____	_____	_____
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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TOBACCO PLANT-BACK FOLLOWING BALANCE FLEXX AND CORVUS APPLIED TO BARE GROUND									
Trial ID: TB-01-14		Study Dir.: KEITH RUCKER							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code									
Crop Code									
Part Rated									
Rating Data Type									
Rating Unit									
Rating Date									
Weed Density, Unit									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									
Trt Treatment	Form Form	Rate Grow	Appl						
No. Name	Conc Type	Rate Unit	Stg	Code					
1 NTC					1	2	3	4	5
2 BALANCE FLEXX	2 SC	4.0 oz/a	BARE A						
ATRAZINE	4 L	32.0 oz/a	BARE A						
3 BALANCE FLEXX	2 SC	6.0 oz/a	BARE A						
ATRAZINE	4 L	32.0 oz/a	BARE A						
4 BALANCE FLEXX	2 SC	12.0 oz/a	BARE A						
ATRAZINE	4 L	32.0 oz/a	BARE A						
5 CORVUS	2.83 SC	3.3 oz/a	BARE A						
ATRAZINE	4 L	32.0 oz/a	BARE A						
6 CORVUS	2.83 SC	5.6 oz/a	BARE A						
ATRAZINE	4 L	32.0 oz/a	BARE A						
7 CORVUS	2.83 SC	11.2 oz/a	BARE A						
ATRAZINE	4 L	32.0 oz/a	BARE A						
LSD (P=.10)									
Standard Deviation									
CV									
Grand Mean									
Bartlett's X2									
P(Bartlett's X2)									
Replicate F									
Replicate Prob(F)									
Treatment F									
Treatment Prob(F)									

Means followed by same letter 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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Weed Code	-----	-----	-----	-----	-----	-----	-----			
Crop Code	NIOTA	NIOTA	NIOTA	NIOTA	NIOTA	NIOTA	NIOTA			
Part Rated	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -			
Rating Data Type	HEIGHT3	HEIGHT4	HEIGHT5	AVG -HGT	HEIGHT1	HEIGHT2	HEIGHT3			
Rating Unit	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES			
Rating Date	May-16-14	May-16-14	May-16-14	May-16-14	May-30-14	May-30-14	May-30-14			
Weed Density, Unit	- 1	- 1	- 1	- 1	- 1	- 1	- 1			
Trt-Eval Interval	394 DA-A	394 DA-A	394 DA-A	394 DA-A	408 DA-A	408 DA-A	408 DA-A			
PRM Data Type										
# Subsamples, Dec.										
Trt Treatment	Form Form	Rate Grow	Appl							
No. Name	Conc Type	Rate Unit Stg	Code							
1 NTC				8	9	10	11	12	13	14
2 BALANCE FLEXX	2 SC	4.0 oz/a	BARE A	5.88 a	6.00 a	5.50 a	6.1 a	18.3 a	16.8 a	16.8 a
ATRAZINE	4 L	32.0 oz/a	BARE A	6.13 a	5.50 a	5.50 a	5.4 a	17.8 a	16.8 a	17.3 a
3 BALANCE FLEXX	2 SC	6.0 oz/a	BARE A	5.88 a	6.38 a	5.25 a	6.0 a	19.0 a	19.3 a	18.8 a
ATRAZINE	4 L	32.0 oz/a	BARE A							
4 BALANCE FLEXX	2 SC	12.0 oz/a	BARE A	6.50 a	7.88 a	5.38 a	6.5 a	16.3 a	20.0 a	19.3 a
ATRAZINE	4 L	32.0 oz/a	BARE A							
5 CORVUS	2.83 SC	3.3 oz/a	BARE A	6.63 a	6.88 a	5.88 a	6.6 a	19.3 a	19.8 a	18.5 a
ATRAZINE	4 L	32.0 oz/a	BARE A							
6 CORVUS	2.83 SC	5.6 oz/a	BARE A	5.13 a	5.50 a	4.75 a	5.0 a	17.0 a	18.0 a	18.3 a
ATRAZINE	4 L	32.0 oz/a	BARE A							
7 CORVUS	2.83 SC	11.2 oz/a	BARE A	4.25 a	4.75 a	4.00 a	4.2 a	14.0 a	15.8 a	15.5 a
ATRAZINE	4 L	32.0 oz/a	BARE A							
LSD (P=.10)				2.224	2.178	2.186	1.65	3.84	4.15	5.01
Standard Deviation				1.814	1.776	1.783	1.34	3.13	3.39	4.08
CV				31.45	29.0	34.42	23.73	18.04	18.78	23.01
Grand Mean				5.77	6.13	5.18	5.66	17.36	18.04	17.75
Bartlett's X2				6.919	2.425	3.876	7.751	5.58	3.385	5.211
P(Bartlett's X2)				0.328	0.877	0.693	0.257	0.472	0.759	0.517
Replicate F				0.553	1.007	0.229	0.453	3.277	1.431	0.151
Replicate Prob(F)				0.6529	0.4127	0.8753	0.7185	0.0450	0.2666	0.9279
Treatment F				0.838	1.347	0.484	1.653	1.350	0.976	0.415
Treatment Prob(F)				0.5564	0.2879	0.8115	0.1903	0.2870	0.4690	0.8596

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Weed Code										
Crop Code										
Part Rated										
Rating Data Type										
Rating Unit										
Rating Date										
Weed Density, Unit										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										
Trt Treatment	Form Form	Rate Grow	Appl							
No. Name	Conc Type	Rate Unit	Stg	Code	15	16	17	18	19	
1 NTC					17.25 a	16.25 a	17.1 a	0.0 a	3.0 a	
2 BALANCE FLEXX	2 SC	4.0 oz/a	BARE A		17.50 a	15.75 a	17.0 a	6.3 a	2.8 a	
ATRAZINE	4 L	32.0 oz/a	BARE A							
3 BALANCE FLEXX	2 SC	6.0 oz/a	BARE A		19.00 a	19.25 a	19.1 a	2.5 a	4.5 a	
ATRAZINE	4 L	32.0 oz/a	BARE A							
4 BALANCE FLEXX	2 SC	12.0 oz/a	BARE A		19.50 a	16.75 a	18.4 a	2.5 a	4.3 a	
ATRAZINE	4 L	32.0 oz/a	BARE A							
5 CORVUS	2.83 SC	3.3 oz/a	BARE A		18.75 a	18.50 a	19.0 a	2.5 a	4.8 a	
ATRAZINE	4 L	32.0 oz/a	BARE A							
6 CORVUS	2.83 SC	5.6 oz/a	BARE A		18.50 a	17.00 a	17.8 a	5.0 a	3.3 a	
ATRAZINE	4 L	32.0 oz/a	BARE A							
7 CORVUS	2.83 SC	11.2 oz/a	BARE A		13.38 a	12.38 a	14.2 a	6.3 a	0.3 a	
ATRAZINE	4 L	32.0 oz/a	BARE A							
LSD (P=.10)					4.248	4.116	3.24	4.81	2.63	
Standard Deviation					3.464	3.357	2.64	3.92	2.15	
CV					19.58	20.28	15.1	109.8	66.04	
Grand Mean					17.7	16.55	17.48	3.57	3.25	
Bartlett's X2					6.035	6.574	4.853	2.919	9.957	
P(Bartlett's X2)					0.419	0.362	0.563	0.712	0.126	
Replicate F					1.616	0.559	1.329	12.697	0.711	
Replicate Prob(F)					0.2208	0.6491	0.2960	0.0001	0.5582	
Treatment F					1.423	1.745	1.592	1.413	2.044	
Treatment Prob(F)					0.2598	0.1678	0.2066	0.2635	0.1121	

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TOBACCO PLANT-BACK FOLLOWING BALANCE FLEXX AND CORVUS APPLIED TO BARE GROUND		
Trial ID:	TB-01-14	Study Dir.: KEITH RUCKER
Location:	PONDER FARM	Investigator: Eric P. Prostko
<u>Crop Code</u> NIOTA = TOBACCO, FLUE-CURED / NICOTIANA TABACUM L.		
<u>Part Rated</u> PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)		
<u>PRM Data Type</u> T1 = ([C6]+[C7]+[C8]+[C9]+[C10])/5 T2 = ([12]+[13]+[14]+[15]+[16])/5		

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Trial ID: TB-01-14		Study Dir.: KEITH RUCKER								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code										
Crop Code										
Part Rated										
Rating Data Type										
Rating Unit										
Rating Date										
Weed Density, Unit										
Trt-Eval Interval										
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
1 NTC				101	0.0	0.0	0.0	0.0	0.0	7.00
				207	0.0	0.0	0.0	0.0	1.0	4.00
				304	0.0	0.0	0.0	0.0	0.0	6.50
				401	0.0	0.0	0.0	0.0	0.0	8.00
				Mean =	0.0	0.0	0.0	0.0	0.3	6.38
2 BALANCE FLEXX	2 SC	4.0 oz/a	BARE A	102	20.0	10.0	30.0	25.0	1.0	3.00
ATRAZINE	4 L	32.0 oz/a	BARE A	201	0.0	0.0	0.0	0.0	0.0	6.00
				306	0.0	0.0	0.0	0.0	0.0	6.50
				407	20.0	0.0	10.0	10.0	0.0	4.50
				Mean =	10.0	2.5	10.0	8.8	0.3	5.00
3 BALANCE FLEXX	2 SC	6.0 oz/a	BARE A	103	20.0	10.0	10.0	10.0	1.0	4.00
ATRAZINE	4 L	32.0 oz/a	BARE A	205	0.0	0.0	0.0	0.0	0.0	7.00
				301	0.0	0.0	0.0	0.0	0.0	9.00
				403	20.0	0.0	15.0	0.0	0.0	4.00
				Mean =	10.0	2.5	6.3	2.5	0.3	6.00
4 BALANCE FLEXX	2 SC	12.0 oz/a	BARE A	104	10.0	0.0	0.0	10.0	0.0	5.00
ATRAZINE	4 L	32.0 oz/a	BARE A	206	0.0	0.0	0.0	0.0	0.0	6.00
				307	0.0	10.0	0.0	0.0	0.0	5.00
				405	0.0	0.0	0.0	0.0	0.0	7.50
				Mean =	2.5	2.5	0.0	2.5	0.0	5.88
5 CORVUS	2.83 SC	3.3 oz/a	BARE A	105	0.0	5.0	5.0	5.0	0.0	6.00
ATRAZINE	4 L	32.0 oz/a	BARE A	204	0.0	0.0	0.0	0.0	0.0	7.00
				305	0.0	0.0	0.0	0.0	0.0	6.00
				404	10.0	0.0	0.0	0.0	0.0	7.00
				Mean =	2.5	1.3	1.3	1.3	0.0	6.50
6 CORVUS	2.83 SC	5.6 oz/a	BARE A	106	0.0	0.0	15.0	10.0	0.0	4.00
ATRAZINE	4 L	32.0 oz/a	BARE A	203	0.0	0.0	0.0	0.0	0.0	3.50
				302	5.0	10.0	10.0	0.0	0.0	3.00
				406	0.0	0.0	0.0	0.0	0.0	8.00
				Mean =	1.3	2.5	6.3	2.5	0.0	4.63
7 CORVUS	2.83 SC	11.2 oz/a	BARE A	107	10.0	10.0	20.0	15.0	0.0	4.00
ATRAZINE	4 L	32.0 oz/a	BARE A	202	0.0	0.0	0.0	0.0	0.0	3.00
				303	0.0	10.0	10.0	0.0	0.0	3.50
				402	20.0	10.0	30.0	15.0	0.0	4.00
				Mean =	7.5	7.5	15.0	7.5	0.0	3.63

Weed Code						-----	-----	-----	-----	-----	-----
Crop Code						NIOTA	NIOTA	NIOTA	NIOTA	NIOTA	NIOTA
Part Rated						PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -
Rating Data Type						HEIGHT2	HEIGHT3	HEIGHT4	HEIGHT5	AVG -HGT	HEIGHT1
Rating Unit						INCHES	INCHES	INCHES	INCHES	INCHES	INCHES
Rating Date						May-16-14	May-16-14	May-16-14	May-16-14	May-16-14	May-30-14
Weed Density, Unit						- 1	- 1	- 1	- 1		
Trt-Eval Interval						394 DA-A	394 DA-A	394 DA-A	394 DA-A	394 DA-A	408 DA-A
PRM Data Type										T1	
# Subsamples, Dec.										- 1	
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	9.00	8.00	8.00	7.00	7.8	19.0
					207	4.00	3.50	4.00	3.50	3.8	11.0
					304	5.00	4.00	5.00	6.00	5.3	20.0
					401	8.00	8.00	7.00	5.50	7.3	23.0
					Mean =	6.50	5.88	6.00	5.50	6.1	18.3
2 BALANCE FLEXX	2 SC	4.0 oz/a	BARE A		102	3.50	3.00	3.00	3.00	3.1	12.0
ATRAZINE	4 L	32.0 oz/a	BARE A		201	5.50	8.50	6.00	7.00	6.6	19.0
					306	6.00	8.00	7.50	8.00	7.2	22.0
					407	5.00	5.00	5.50	4.00	4.8	18.0
					Mean =	5.00	6.13	5.50	5.50	5.4	17.8
3 BALANCE FLEXX	2 SC	6.0 oz/a	BARE A		103	4.00	5.00	5.00	7.00	5.0	20.0
ATRAZINE	4 L	32.0 oz/a	BARE A		205	7.00	5.00	8.00	6.50	6.7	17.0
					301	8.00	8.50	7.50	2.50	7.1	21.0
					403	6.00	5.00	5.00	5.00	5.0	18.0
					Mean =	6.25	5.88	6.38	5.25	6.0	19.0
4 BALANCE FLEXX	2 SC	12.0 oz/a	BARE A		104	6.50	6.00	8.00	6.00	6.3	15.0
ATRAZINE	4 L	32.0 oz/a	BARE A		206	6.00	5.00	8.00	6.50	6.3	17.0
					307	7.00	6.00	6.00	5.00	5.8	12.0
					405	7.00	9.00	9.50	4.00	7.4	21.0
					Mean =	6.63	6.50	7.88	5.38	6.5	16.3
5 CORVUS	2.83 SC	3.3 oz/a	BARE A		105	6.00	8.00	7.50	6.00	6.7	15.0
ATRAZINE	4 L	32.0 oz/a	BARE A		204	8.00	5.50	4.50	4.00	5.8	20.0
					305	7.50	6.00	5.50	5.00	6.0	19.0
					404	6.50	7.00	10.00	8.50	7.8	23.0
					Mean =	7.00	6.63	6.88	5.88	6.6	19.3
6 CORVUS	2.83 SC	5.6 oz/a	BARE A		106	4.00	6.00	7.50	6.00	5.5	14.0
ATRAZINE	4 L	32.0 oz/a	BARE A		203	5.50	4.50	5.00	4.00	4.5	15.0
					302	3.50	4.00	3.00	3.00	3.3	16.0
					406	7.00	6.00	6.50	6.00	6.7	23.0
					Mean =	5.00	5.13	5.50	4.75	5.0	17.0
7 CORVUS	2.83 SC	11.2 oz/a	BARE A		107	5.00	4.50	6.00	4.00	4.7	12.0
ATRAZINE	4 L	32.0 oz/a	BARE A		202	3.00	3.50	4.00	5.00	3.7	14.0
					303	4.50	5.00	4.00	4.00	4.2	15.0
					402	4.00	4.00	5.00	3.00	4.0	15.0
					Mean =	4.13	4.25	4.75	4.00	4.2	14.0

Weed Code					-----	-----	-----	-----	-----	-----
Crop Code					NIOTA	NIOTA	NIOTA	NIOTA	NIOTA	NIOTA
Part Rated					PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -
Rating Data Type					HEIGHT2	HEIGHT3	HEIGHT4	HEIGHT5	AVG -HGT	STUNTING
Rating Unit					INCHES	INCHES	INCHES	INCHES	INCHES	PERCENT
Rating Date					May-30-14	May-30-14	May-30-14	May-30-14	May-30-14	Jun-3-14
Weed Density, Unit										
Trt-Eval Interval					408 DA-A	408 DA-A	408 DA-A	408 DA-A	408 DA-A	412 DA-A
PRM Data Type										
# Subsamples, Dec.									T2 - 1	
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	20.0	23.0	18.00	23.00	20.6	0.0
				207	13.0	11.0	15.00	10.00	12.0	0.0
				304	16.0	17.0	17.00	17.00	17.4	0.0
				401	18.0	16.0	19.00	15.00	18.2	0.0
				Mean =	16.8	16.8	17.25	16.25	17.1	0.0
2 BALANCE FLEXX	2 SC	4.0 oz/a	BARE A	102	10.0	11.0	15.00	14.00	12.4	20.0
ATRAZINE	4 L	32.0 oz/a	BARE A	201	22.0	20.0	15.00	18.00	18.8	0.0
				306	19.0	21.0	25.00	17.00	20.8	0.0
				407	16.0	17.0	15.00	14.00	16.0	5.0
				Mean =	16.8	17.3	17.50	15.75	17.0	6.3
3 BALANCE FLEXX	2 SC	6.0 oz/a	BARE A	103	16.0	18.0	17.00	21.00	18.4	10.0
ATRAZINE	4 L	32.0 oz/a	BARE A	205	17.0	21.0	16.00	18.00	17.8	0.0
				301	24.0	19.0	22.00	18.00	20.8	0.0
				403	20.0	17.0	21.00	20.00	19.2	0.0
				Mean =	19.3	18.8	19.00	19.25	19.1	2.5
4 BALANCE FLEXX	2 SC	12.0 oz/a	BARE A	104	19.0	19.0	19.00	14.00	17.2	10.0
ATRAZINE	4 L	32.0 oz/a	BARE A	206	19.0	19.0	21.00	18.00	18.8	0.0
				307	16.0	13.0	15.00	20.00	15.2	0.0
				405	26.0	26.0	23.00	15.00	22.2	0.0
				Mean =	20.0	19.3	19.50	16.75	18.4	2.5
5 CORVUS	2.83 SC	3.3 oz/a	BARE A	105	18.0	15.0	21.00	15.00	16.8	10.0
ATRAZINE	4 L	32.0 oz/a	BARE A	204	22.0	23.0	14.00	17.00	19.2	0.0
				305	21.0	16.0	15.00	18.00	17.8	0.0
				404	18.0	20.0	25.00	24.00	22.0	0.0
				Mean =	19.8	18.5	18.75	18.50	19.0	2.5
6 CORVUS	2.83 SC	5.6 oz/a	BARE A	106	16.0	20.0	22.00	20.00	18.4	10.0
ATRAZINE	4 L	32.0 oz/a	BARE A	203	19.0	17.0	17.00	13.00	16.2	0.0
				302	15.0	16.0	14.00	15.00	15.2	10.0
				406	22.0	20.0	21.00	20.00	21.2	0.0
				Mean =	18.0	18.3	18.50	17.00	17.8	5.0
7 CORVUS	2.83 SC	11.2 oz/a	BARE A	107	13.0	18.0	12.00	11.00	13.2	20.0
ATRAZINE	4 L	32.0 oz/a	BARE A	202	15.0	12.0	12.00	12.00	13.0	0.0
				303	17.0	18.0	15.00	15.00	16.0	0.0
				402	18.0	14.0	14.50	11.50	14.6	5.0
				Mean =	15.8	15.5	13.38	12.38	14.2	6.3

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Weed Code					-----
Crop Code					NIOTA
Part Rated					SEEDHD -
Rating Data Type					EMERGENC
Rating Unit					#/ROW
Rating Date					Jun-16-14
Weed Density, Unit					
Trt-Eval Interval					425 DA-A
PRM Data Type					
# Subsamples, Dec.					
Trt Treatment	Form Form	Rate Grow	Appl		
No. Name	Conc Type Rate Unit Stg	Code Plot			19
1 NTC			101		7.0
			207		0.0
			304		2.0
			401		3.0
			Mean =		3.0
2 BALANCE FLEXX	2 SC	4.0 oz/a	BARE A	102	0.0
ATRAZINE	4 L	32.0 oz/a	BARE A	201	2.0
				306	7.0
				407	2.0
				Mean =	2.8
3 BALANCE FLEXX	2 SC	6.0 oz/a	BARE A	103	3.0
ATRAZINE	4 L	32.0 oz/a	BARE A	205	4.0
				301	7.0
				403	4.0
				Mean =	4.5
4 BALANCE FLEXX	2 SC	12.0 oz/a	BARE A	104	5.0
ATRAZINE	4 L	32.0 oz/a	BARE A	206	5.0
				307	2.0
				405	5.0
				Mean =	4.3
5 CORVUS	2.83 SC	3.3 oz/a	BARE A	105	6.0
ATRAZINE	4 L	32.0 oz/a	BARE A	204	4.0
				305	5.0
				404	4.0
				Mean =	4.8
6 CORVUS	2.83 SC	5.6 oz/a	BARE A	106	6.0
ATRAZINE	4 L	32.0 oz/a	BARE A	203	1.0
				302	1.0
				406	5.0
				Mean =	3.3
7 CORVUS	2.83 SC	11.2 oz/a	BARE A	107	0.0
ATRAZINE	4 L	32.0 oz/a	BARE A	202	0.0
				303	1.0
				402	0.0
				Mean =	0.3

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TOBACCO PLANT-BACK FOLLOWING BALANCE FLEXX AND CORVUS APPLIED TO BARE GROUND		
Trial ID:	TB-01-14	Study Dir.: KEITH RUCKER
Location:	PONDER FARM	Investigator: Eric P. Prostko
<u>Crop Code</u> NIOTA = TOBACCO, FLUE-CURED / NICOTIANA TABACUM L.		
<u>Part Rated</u> PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)		
<u>PRM Data Type</u> T1 = ([C6]+[C7]+[C8]+[C9]+[C10])/5 T2 = ([12]+[13]+[14]+[15]+[16])/5		