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FIELD CORN RESPONSE TO POST HERBICIDES WHEN GROWN IN A HIGH YIELD ENVIRONMENT - YEAR 2	
Trial ID: CN-01-15	Study Dir.: RANDY DOWDY/BEN SHIRLEY
Location: BROOKS COUNTY	Investigator: Eric P. Prostko

Reps: 4 Plots: 5 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 1.5 liters (calculated mix size .65176)

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	203	304	407
2	ROUNDUP P-MAX	5.5	SL	32.0 oz/a		POST	A	25.0 ml/mx	102	208	306	403
	ATRAZINE	4	L	48.0 oz/a		POST	A	37.5 ml/mx				
	PROWL H20	3.8	SC	32.0 oz/a		POST	A	25.0 ml/mx				
3	ROUNDUP P-MAX	5.5	SL	32.0 oz/a		POST	A	25.0 ml/mx	103	209	301	406
	ATRAZINE	4	L	48.0 oz/a		POST	A	37.5 ml/mx				
4	LIBERTY	2.34	SL	29.0 oz/a		POST	A	22.65 ml/mx	104	207	303	408
	ATRAZINE	4	L	48.0 oz/a		POST	A	37.5 ml/mx				
5	STEADFAST Q	37.7	DG	1.5 oz/a		POST	A	1.123 g/mx	105	201	308	402
	ATRAZINE	4	L	48.0 oz/a		POST	A	37.5 ml/mx				
	COC			1.0 % v/v		POST	A	15.0 ml/mx				
6	CAPRENO	3.45	SC	3.0 oz/a		POST	A	2.343 ml/mx	106	204	309	404
	ATRAZINE	4	L	48.0 oz/a		POST	A	37.5 ml/mx				
	COC			1.0 % v/v		POST	A	15.0 ml/mx				
7	LAUDIS	3.5	SC	3.0 oz/a		POST	A	2.343 ml/mx	107	206	305	409
	ATRAZINE	4	L	48.0 oz/a		POST	A	37.5 ml/mx				
	COC			1.0 % v/v		POST	A	15.0 ml/mx				
8	HALEX GT	4.39	SL	4.0 pt/a		POST	A	49.99 ml/mx	108	202	307	405
	ATRAZINE	4	L	48.0 oz/a		POST	A	37.5 ml/mx				
	NIS			0.25 % v/v		POST	A	3.75 ml/mx				
9	ROUNDUP P-MAX	5.5	SL	32.0 oz/a		POST	A	25.0 ml/mx	109	205	302	401
	SANDEA	75	WG	0.67 oz/a		POST	A	0.5018 g/mx				
	ATRAZINE	4	L	48.0 oz/a		POST	A	37.5 ml/mx				

Sort Order: Treatment

Trial Comments
<p>ROUNDUP P-MAX (24 OZS/A) + ATRAZINE (2 QTS/A) + DUAL MAGNUM (16 OZ/A) - PRE</p> <p>NIS = ADEPT COC = RELIABLE</p> <p>146-155 mls/15 secs (151 mls)</p> <p>CORN EMERGED ON MARCH 25, 2015</p> <p>YIELDS ADJUSTED TO 15.5% MOISTURE.</p> <p>GDD AT POST APPLICATION FROM EMERGENCE = 178 YIELDS ADJUSTED TO 15.5% MOISTURE.</p> <p>YIELD DATA WAS NOT COLLECTED FROM PLOTS 103 TO 107 DUE TO EXCESSIVE WIND DAMAGE/LODGED CORN. YIELDS WERE OBTAINED BY HAND-HARVESTING A 10 FT SECTION OF STAKED ROW (30" ROW SPACING) G/EAR ADJUSTED TO 15.5% MOISTURE</p> <p><u>SUMMARY:</u></p> <p>1) CORN HEIGHTS ON MAY 1 (25 DAT) WERE NOT REDUCED BY ANY HERBICIDE TREATMENT WHEN COMPARED TO THE NTC.</p> <p>2) CORN YIELDS WERE NOT REDUCED BY ANY HERBICIDE TREATMENT WHEN COMPARED TO THE NTC.</p> <p>3) STEADFAST Q TREATED PLOTS HAD LOWER YIELDS THAN ROUNDUP + ATRAZINE + PROWL, LIBERTY + ATRAZINE, AND LAUDIS + ATRAZINE TREATED PLOTS.</p> <p>4) CORN EAR NUMBERS/A WERE NOT INFLUENCED BY ANY HERBICIDE TREATMENT.</p> <p>5) CORN EAR WEIGHTS WERE LOWER IN STEADFAST Q TREATED PLOTS WHEN COMPARED TO THE NTC, ROUNDUP + ATRAZINE + PROWL, AND LAUDIS + ATRAZINE TREATMENTS.</p>

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FIELD CORN RESPONSE TO POST HERBICIDES WHEN GROWN IN A HIGH YIELD ENVIRONMENT - YEAR 2

Trial ID: CN-01-15 Study Dir.: RANDY DOWDY/BEN SHIRLEY
 Location: BROOKS COUNTY Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: RANDY DOWDY/BEN SHIRLEY **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: ZEAMA **FIELD CORN** **Variety:** PIONEER 1197 **Planting Date:** Mar-20-15
Planting Method: JOHN DEERE **Rate:** 40000 SEED/A **Depth:** 2 in
Perennial Age: _____ **Row Spacing:** 30 IN **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** NORMAL **Emergence Date:** _____

Plot Width, Unit: 5 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** RACOB
Trial Initiation Comments: _____

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

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: LOAMY SAND **% OM:** _____ **% Sand:** _____ **% Silt:** _____ **% Clay:** _____
pH: _____ **CEC:** _____ **Soil Name:** TIFTON **Fertility Level:** EXCELLENT

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. Apr-5-15	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	_____

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

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	Apr-6-15	_____	_____	_____	_____	_____
Time of Day:	7:50 AM	_____	_____	_____	_____	_____
Application Method:	BROADCAST	_____	_____	_____	_____	_____
Application Timing:	POST	_____	_____	_____	_____	_____
Applic. Placement:	FOLIAGE	_____	_____	_____	_____	_____
Air Temp., Unit:	63.7 F	_____	_____	_____	_____	_____
% Relative Humidity:	86	_____	_____	_____	_____	_____
Wind Velocity, Unit:	1 MPH	_____	_____	_____	_____	_____
Dew Presence (Y/N):	Y	_____	_____	_____	_____	_____
Water Hardness:	--	_____	_____	_____	_____	_____
Soil Temp., Unit:	66.5 F	_____	_____	_____	_____	_____
Soil Moisture:	OPTIMUM	_____	_____	_____	_____	_____
% Cloud Cover:	100	_____	_____	_____	_____	_____

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Stage:	ZEAMA	_____	_____	_____	_____	_____
Stage Scale:	V3	_____	_____	_____	_____	_____
Height, Unit:	4 IN	_____	_____	_____	_____	_____

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

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	_____	_____	_____	_____	_____	_____
Operating Pressure:	38	_____	_____	_____	_____	_____	_____
Nozzle Type:	AIXR	_____	_____	_____	_____	_____	_____
Nozzle Size:	11002	_____	_____	_____	_____	_____	_____
Nozzle Spacing, Unit:	18	IN	_____	_____	_____	_____	_____
Nozzles/Row:	_____	_____	_____	_____	_____	_____	_____
Band Width, Unit:	_____	_____	_____	_____	_____	_____	_____
Boom Length, Unit:	54	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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GROWN IN A HIGH YIELD ENVIRONMENT - YEAR 2

Trial ID: CN-01-15 Study Dir.: RANDY DOWDY/BEN SHIRLEY
Location: BROOKS COUNTY Investigator: Eric P. Prostko

Weed Code							
Crop Code							
Part Rated							
Rating Data Type							
Rating Unit							
Rating Date							
PRM Data Type							
# Subsamples, Dec.							
Trt No.	Treatment	Form Conc	Form Type	Rate	Grow Stg	Appl Code	
				Unit			
							----- ZEAMA CROP - STUNT PERCENT Apr-12-15
							----- ZEAMA PLANT - HGT-1 CM May-1-15
							----- ZEAMA PLANT - HGT-2 CM May-1-15
							----- ZEAMA PLANT - HGT-3 CM May-1-15
							----- ZEAMA PLANT - HGT-4 CM May-1-15
							----- ZEAMA PLANT - HGT-5 CM May-1-15
							----- ZEAMA PLANT - AVG HGT CM May-1-15 T1 - 0
1	NTC						1
2	ROUNDUP P-MAX ATRAZINE PROWL H20	5.5 4 3.8	SL L SC	32.0 oz/a 48.0 oz/a 32.0 oz/a	POST A POST A POST A		2
3	ROUNDUP P-MAX ATRAZINE	5.5 4	SL L	32.0 oz/a 48.0 oz/a	POST A POST A		3
4	LIBERTY ATRAZINE	2.34 4	SL L	29.0 oz/a 48.0 oz/a	POST A POST A		4
5	STEADFAST Q ATRAZINE COC	37.7 4	DG L	1.5 oz/a 48.0 oz/a 1.0 % v/v	POST A POST A POST A		5
6	CAPRENO ATRAZINE COC	3.45 4	SC L	3.0 oz/a 48.0 oz/a 1.0 % v/v	POST A POST A POST A		6
7	LAUDIS ATRAZINE COC	3.5 4	SC L	3.0 oz/a 48.0 oz/a 1.0 % v/v	POST A POST A POST A		7
8	HALEX GT ATRAZINE NIS	4.39 4	SL L	4.0 pt/a 48.0 oz/a 0.25 % v/v	POST A POST A POST A		7
9	ROUNDUP P-MAX SANDEA ATRAZINE	5.5 75 4	SL WG L	32.0 oz/a 0.67 oz/a 48.0 oz/a	POST A POST A POST A		7
LSD P=.10							2.12
Standard Deviation							1.75
CV							57.32
Grand Mean							3.06
Bartlett's X2							0.118
P(Bartlett's X2)							0.99
Replicate F							1.509
Replicate Prob(F)							0.2375
Treatment F							43.868
Treatment Prob(F)							0.0001

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.
Missing data estimates are included in columns: Yates=8,9,10,11,12,13,14

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Weed Code					ZEAMA PLOT - YIELD	ZEAMA PLOT - MOISTURE PERCENT	ZEAMA PLOT - YIELD BU/A	ZEAMA PLOT - EARS #/10FT	ZEAMA PLOT - EARS #/A	ZEAMA PLOT - YIELD LBS/A	ZEAMA PLOT - EAR WGT G/EAR		
Crop Code					LBS/10FT	Jul-20-15	Jul-20-15	Jul-20-15	Jul-20-15	Jul-20-15	Jul-20-15		
Part Rated					- 2	- 1	- 0	- 0	- 0	- 0	- 0		
Rating Data Type													
Rating Unit													
Rating Date													
PRM Data Type													
# Subsamples, Dec.													
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	8	9	10	11	12	13	14
1	NTC						14.03 bcd	24.5 a	312 bcd	22 a	37897 a	21863 bcd	262 ab
2	ROUNDUP P-MAX ATRAZINE PROWL H20	5.5 4 3.8	SL L SC	32.0 oz/a 48.0 oz/a 32.0 oz/a	POST A POST A POST A		15.81 a	24.5 a	352 a	24 a	41818 a	24633 a	268 a
3	ROUNDUP P-MAX ATRAZINE	5.5 4	SL L	32.0 oz/a 48.0 oz/a	POST A POST A		13.58 cd	24.4 a	302 cd	22 a	38014 a	21168 cd	252 abc
4	LIBERTY ATRAZINE	2.34 4	SL L	29.0 oz/a 48.0 oz/a	POST A POST A		14.62 abc	24.4 a	325 abc	23 a	40361 a	22776 abc	256 abc
5	STEADFAST Q ATRAZINE COC	37.7 4	DG L	1.5 oz/a 48.0 oz/a 1.0 % v/v	POST A POST A POST A		13.11 d	24.4 a	292 d	23 a	39217 a	20419 d	236 c
6	CAPRENO ATRAZINE COC	3.45 4	SC L	3.0 oz/a 48.0 oz/a 1.0 % v/v	POST A POST A POST A		13.98 bcd	24.4 a	311 bcd	23 a	39230 a	21777 bcd	252 abc
7	LAUDIS ATRAZINE COC	3.5 4	SC L	3.0 oz/a 48.0 oz/a 1.0 % v/v	POST A POST A POST A		15.04 ab	24.4 a	335 ab	23 a	39822 a	23426 ab	267 a
8	HALEX GT ATRAZINE NIS	4.39 4	SL L	4.0 pt/a 48.0 oz/a 0.25 % v/v	POST A POST A POST A		14.28 bcd	24.5 a	318 bcd	24 a	41382 a	22242 bcd	245 bc
9	ROUNDUP P-MAX SANDEA ATRAZINE	5.5 75 4	SL WG L	32.0 oz/a 0.67 oz/a 48.0 oz/a	POST A POST A POST A		13.78 bcd	24.5 a	306 bcd	23 a	40075 a	21448 bcd	243 bc
LSD P=.10					1.261	0.06	27.9	1.6	2709.0	1954.3	18.6		
Standard Deviation					1.032	0.05	22.8	1.3	2215.6	1598.4	15.2		
CV					7.24	0.2	7.2	5.57	5.57	7.2	6.0		
Grand Mean					14.247	24.43	317.1	22.8	39757.3	22194.5	253.3		
Bartlett's X2					7.955	0.154	6.582	3.061	3.061	6.582	8.21		
P(Bartlett's X2)					0.438	1.00	0.582	0.93	0.93	0.582	0.413		
Replicate F					0.456	3237.367	0.651	0.486	0.486	0.651	1.265		
Replicate Prob(F)					0.7160	0.0001	0.5920	0.6960	0.6960	0.5920	0.3146		
Treatment F					2.487	0.792	2.515	1.469	1.469	2.515	2.065		
Treatment Prob(F)					0.0493	0.6164	0.0473	0.2329	0.2329	0.0473	0.0930		

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GROWN IN A HIGH YIELD ENVIRONMENT - YEAR 2

Trial ID: CN-01-15 Study Dir.: RANDY DOWDY/BEN SHIRLEY
Location: BROOKS COUNTY Investigator: Eric P. Prostko

Part Rated

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

PRM Data Type

T1 = $([C2]+[C3]+[C4]+[C5]+[C6])/5$

TY2 = $24.89143*[8]*(100-@MVAVGREP([9]))/84.5$

T3 = $[11]*1742.4$

TY4 = $1742.4*[8]*(100-@MVAVGREP([9]))/84.5$

T5 = $([13]/[12])*454$

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Trial ID: CN-01-15		Study Dir.: RANDY DOWDY/BEN SHIRLEY												
Location: BROOKS COUNTY		Investigator: Eric P. Prostko												
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	PRM Data Type	# Subsamples, Dec.	ZEAMA CROP - STUNT PERCENT Apr-12-15	ZEAMA PLANT - HGT-1 CM May-1-15	ZEAMA PLANT - HGT-2 CM May-1-15	ZEAMA PLANT - HGT-3 CM May-1-15	ZEAMA PLANT - HGT-4 CM May-1-15	ZEAMA PLANT - HGT-5 CM May-1-15	ZEAMA PLANT - AVG HGT CM May-1-15 T1 - 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6	7
1	NTC						101	0.0	103.0	101.0	106.0	114.0	114.0	108
							203	0.0	118.0	119.0	117.0	114.0	120.0	118
							304	0.0	106.0	112.0	110.0	125.0	125.0	116
							407	0.0	113.0	109.0	116.0	107.0	111.0	111
							Mean =	0.0	110.0	110.3	112.3	115.0	117.5	113
2	ROUNDUP P-MAX ATRAZINE PROWL H20	5.5 SL		32.0 oz/a	POST A		102	0.0	106.0	109.0	103.0	118.0	107.0	109
		4 L		48.0 oz/a	POST A		208	0.0	120.0	106.0	116.0	122.0	113.0	115
		3.8 SC		32.0 oz/a	POST A		306	0.0	106.0	119.0	112.0	110.0	106.0	111
							403	0.0	110.0	109.0	110.0	110.0	106.0	109
							Mean =	0.0	110.5	110.8	110.3	115.0	108.0	111
3	ROUNDUP P-MAX ATRAZINE	5.5 SL		32.0 oz/a	POST A		103	0.0	113.0	105.0	114.0	110.0	109.0	110
		4 L		48.0 oz/a	POST A		209	0.0	100.0	106.0	105.0	113.0	109.0	107
							301	0.0	101.0	107.0	113.0	106.0	106.0	107
							406	0.0	111.0	115.0	102.0	118.0	116.0	112
							Mean =	0.0	106.3	108.3	108.5	111.8	110.0	109
4	LIBERTY ATRAZINE	2.34 SL		29.0 oz/a	POST A		104	0.0	112.0	112.0	115.0	116.0	118.0	115
		4 L		48.0 oz/a	POST A		207	0.0	109.0	109.0	104.0	112.0	111.0	109
							303	0.0	111.0	113.0	107.0	109.0	111.0	110
							408	0.0	110.0	109.0	114.0	113.0	114.0	112
							Mean =	0.0	110.5	110.8	110.0	112.5	113.5	111
5	STEADFAST Q ATRAZINE COC	37.7 DG		1.5 oz/a	POST A		105	15.0	108.0	105.0	99.0	111.0	109.0	106
		4 L		48.0 oz/a	POST A		201	20.0	116.0	106.0	102.0	107.0	100.0	106
				1.0 % v/v	POST A		308	20.0	104.0	104.0	99.0	107.0	105.0	104
							402	15.0	99.0	107.0	101.0	104.0	107.0	104
							Mean =	17.5	106.8	105.5	100.3	107.3	105.3	105
6	CAPRENO ATRAZINE COC	3.45 SC		3.0 oz/a	POST A		106	5.0	98.0	104.0	100.0	107.0	99.0	102
		4 L		48.0 oz/a	POST A		204	5.0	127.0	108.0	120.0	119.0	114.0	118
				1.0 % v/v	POST A		309	0.0	115.0	105.0	110.0	109.0	106.0	109
							404	0.0	111.0	112.0	105.0	115.0	112.0	111
							Mean =	2.5	112.8	107.3	108.8	112.5	107.8	110
7	LAUDIS ATRAZINE COC	3.5 SC		3.0 oz/a	POST A		107	0.0	101.0	104.0	98.0	105.0	107.0	103
		4 L		48.0 oz/a	POST A		206	0.0	113.0	109.0	107.0	114.0	111.0	111
				1.0 % v/v	POST A		305	0.0	119.0	113.0	123.0	118.0	117.0	118
							409	0.0	117.0	111.0	112.0	116.0	107.0	113
							Mean =	0.0	112.5	109.3	110.0	113.3	110.5	111
8	HALEX GT ATRAZINE NIS	4.39 SL		4.0 pt/a	POST A		108	0.0	106.0	97.0	112.0	100.0	99.0	103
		4 L		48.0 oz/a	POST A		202	0.0	107.0	110.0	112.0	115.0	116.0	112
				0.25 % v/v	POST A		307	5.0	118.0	111.0	100.0	107.0	106.0	108
							405	0.0	104.0	103.0	106.0	109.0	102.0	105
							Mean =	1.3	108.8	105.3	107.5	107.8	105.8	107
9	ROUNDUP P-MAX SANDEA ATRAZINE	5.5 SL		32.0 oz/a	POST A		109	5.0	110.0	98.0	103.0	106.0	99.0	103
		75 WG		0.67 oz/a	POST A		205	5.0	116.0	110.0	113.0	110.0	117.0	113
		4 L		48.0 oz/a	POST A		302	10.0	104.0	106.0	106.0	108.0	108.0	106
							401	5.0	107.0	96.0	109.0	105.0	100.0	103
							Mean =	6.3	109.3	102.5	107.8	107.3	106.0	107

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Weed Code					-----	-----	-----	-----	-----	-----	-----				
Crop Code					ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA				
Part Rated					PLOT -	PLOT -	PLOT -	PLOT -	PLOT -	PLOT -	PLOT -				
Rating Data Type					YIELD	MOISTURE	YIELD	EARS	EARS	YIELD	EAR WGT				
Rating Unit					LBS/10FT	PERCENT	BU/A	#/10FT	#/A	LBS/A	G/EAR				
Rating Date					Jul-20-15	Jul-20-15	Jul-20-15	Jul-20-15	Jul-20-15	Jul-20-15	Jul-20-15				
PRM Data Type					TY2	TY2	TY2	T3	T3	TY4	T5				
# Subsamples, Dec.					- 2	- 1	- 0	- 0	- 0	- 0	- 0				
Trt	Treatment	Form	Form	Rate	Grow	Appl									
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	8	9	10	11	12	13	14
1	NTC							101	14.70	23.5	331	22	38333	23188	275
								203	14.55	24.7	323	23	40075	22592	256
								304	12.35	25.6	271	20	34848	18947	247
								407	14.50	24.0	325	22	38333	22723	269
								Mean =	14.03	24.5	312	22	37897	21863	262
2	ROUNDUP P-MAX ATRAZINE PROWL H20	5.5	SL	32.0 oz/a		POST	A	102	15.40	23.5	347	25	43560	24293	253
		4	L	48.0 oz/a		POST	A	208	15.90	24.7	353	24	41818	24688	268
		3.8	SC	32.0 oz/a		POST	A	306	15.75	25.6	345	24	41818	24163	262
								403	16.20	24.0	363	23	40075	25387	288
								Mean =	15.81	24.5	352	24	41818	24633	268
3	ROUNDUP P-MAX ATRAZINE	5.5	SL	32.0 oz/a		POST	A	103	13.32*	23.3*	300*	21*	37057*	21032*	254*
		4	L	48.0 oz/a		POST	A	209	15.05	24.7	334	22	38333	23368	277
								301	11.95	25.6	262	21	36590	18333	227
								406	14.00	24.0	313	23	40075	21940	249
								Mean =	13.58	24.4	302	22	38014	21168	252
4	LIBERTY ATRAZINE	2.34	SL	29.0 oz/a		POST	A	104	14.39*	23.3*	324*	23*	39474*	22684*	259*
		4	L	48.0 oz/a		POST	A	207	15.05	24.7	334	24	41818	23368	254
								303	14.30	25.6	313	24	41818	21938	238
								408	14.75	24.0	330	22	38333	23115	274
								Mean =	14.62	24.4	325	23	40361	22776	256
5	STEADFAST Q ATRAZINE COC	37.7	DG	1.5 oz/a		POST	A	105	12.90*	23.4*	291*	22*	38385*	20360*	239*
		4	L	48.0 oz/a		POST	A	201	13.05	24.7	289	23	40075	20263	230
				1.0 % v/v		POST	A	308	14.40	25.6	316	23	40075	22092	250
								402	12.10	24.0	271	22	38333	18962	225
								Mean =	13.11	24.4	292	23	39217	20419	236
6	CAPRENO ATRAZINE COC	3.45	SC	3.0 oz/a		POST	A	106	13.78*	23.4*	311*	22*	38439*	21742*	255*
		4	L	48.0 oz/a		POST	A	204	12.80	24.7	284	22	38333	19874	235
				1.0 % v/v		POST	A	309	15.30	25.6	335	24	41818	23472	255
								404	14.05	24.0	315	22	38333	22018	261
								Mean =	13.98	24.4	311	23	39230	21777	252
7	LAUDIS ATRAZINE COC	3.5	SC	3.0 oz/a		POST	A	107	14.85*	23.4*	334*	22*	39062*	23411*	271*
		4	L	48.0 oz/a		POST	A	206	15.20	24.7	337	23	40075	23601	267
				1.0 % v/v		POST	A	305	14.55	25.6	319	22	38333	22322	264
								409	15.55	24.0	348	24	41818	24369	265
								Mean =	15.04	24.4	335	23	39822	23426	267
8	HALEX GT ATRAZINE NIS	4.39	SL	4.0 pt/a		POST	A	108	13.75	23.5	310	22	38333	21690	257
		4	L	48.0 oz/a		POST	A	202	15.00	24.7	333	23	40075	23290	264
				0.25 % v/v		POST	A	307	13.35	25.6	293	24	41818	20481	222
								405	15.00	24.0	336	26	45302	23507	236
								Mean =	14.28	24.5	318	24	41382	22242	245
9	ROUNDUP P-MAX SANDEA ATRAZINE	5.5	SL	32.0 oz/a		POST	A	109	13.45	23.5	303	22	38333	21217	251
		75	WG	0.67 oz/a		POST	A	205	14.45	24.7	321	23	40075	22436	254
		4	L	48.0 oz/a		POST	A	302	14.80	25.6	324	25	43560	22705	237
								401	12.40	24.0	278	22	38333	19432	230
								Mean =	13.78	24.5	306	23	40075	21448	243

University of Georgia

FIELD CORN RESPONSE TO POST HERBICIDES WHEN
GROWN IN A HIGH YIELD ENVIRONMENT - YEAR 2

Trial ID: CN-01-15 Study Dir.: RANDY DOWDY/BEN SHIRLEY
Location: BROOKS COUNTY Investigator: Eric P. Prostko

Part Rated

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

PRM Data Type

T1 = $([C2]+[C3]+[C4]+[C5]+[C6])/5$

TY2 = $24.89143*[8]*(100-@MVAVGREP([9]))/84.5$

T3 = $[11]*1742.4$

TY4 = $1742.4*[8]*(100-@MVAVGREP([9]))/84.5$

T5 = $([13]/[12])*454$