

University of Georgia

DKC 62-08 AND DKC 64-69 RESPONSE TO ALS HERBICIDES
 YEAR 2
 Trial ID: CN-04-15 Study Dir.: O.W. CARTER
 Location: PONDER FARM 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	Grow Unit	Appl Stg	Appl Code	Amt Product to Measure	Rep			
									1	2	3	4
1	DKC 62-08 NTC								101	207	306	402
2	DKC 62-08 ACCENT ATRAZINE COC	75 WG 4 L		0.67 oz/a 64.0 oz/a 1.0 % v/v		POST A POST A POST A		0.5018 g/mx 49.99 ml/mx 15.0 ml/mx	102	203	303	403
3	DKC 62-08 ACCENT ATRAZINE COC	75 WG 4 L		1.34 oz/a 64.0 oz/a 1.0 % v/v		POST A POST A POST A		1.004 g/mx 49.99 ml/mx 15.0 ml/mx	103	204	304	406
4	DKC 62-08 STEADFAST Q ATRAZINE COC	37.7 WG 4 L		1.5 oz/a 64.0 oz/a 1.0 % v/v		POST A POST A POST A		1.123 g/mx 49.99 ml/mx 15.0 ml/mx	104	202	302	405
5	DKC 62-08 STEADFAST Q ATRAZINE COC	37.7 WG 4 L		3.0 oz/a 64.0 oz/a 1.0 % v/v		POST A POST A POST A		2.247 g/mx 49.99 ml/mx 15.0 ml/mx	105	205	301	401
6	DKC 62-08 CAPRENO ATRAZINE COC	3.45 SC 4 L		3.0 oz/a 64.0 oz/a 1.0 % v/v		POST A POST A POST A		2.343 ml/mx 49.99 ml/mx 15.0 ml/mx	106	206	307	404
7	DKC 62-08 CAPRENO ATRAZINE COC	3.45 SC 4 L		6.0 oz/a 64.0 oz/a 1.0 % v/v		POST A POST A POST A		4.687 ml/mx 49.99 ml/mx 15.0 ml/mx	107	201	305	407
8	DKC 64-69 NTC								108	213	313	412
9	DKC 64-69 ACCENT ATRAZINE COC	75 WG 4 L		0.67 oz/a 64.0 oz/a 1.0 % v/v		POST A POST A POST A		0.5018 g/mx 49.99 ml/mx 15.0 ml/mx	109	208	309	409
10	DKC 64-69 ACCENT ATRAZINE COC	75 WG 4 L		1.34 oz/a 64.0 oz/a 1.0 % v/v		POST A POST A POST A		1.004 g/mx 49.99 ml/mx 15.0 ml/mx	110	214	312	411
11	DKC 64-69 STEADFAST Q ATRAZINE COC	37.7 WG 4 L		1.5 oz/a 64.0 oz/a 1.0 % v/v		POST A POST A POST A		1.123 g/mx 49.99 ml/mx 15.0 ml/mx	111	209	308	413
12	DKC 64-69 STEADFAST Q ATRAZINE COC	37.7 WG 4 L		3.0 oz/a 64.0 oz/a 1.0 % v/v		POST A POST A POST A		2.247 g/mx 49.99 ml/mx 15.0 ml/mx	112	211	314	408
13	DKC 64-69 CAPRENO ATRAZINE COC	3.45 SC 4 L		3.0 oz/a 64.0 oz/a 1.0 % v/v		POST A POST A POST A		2.343 ml/mx 49.99 ml/mx 15.0 ml/mx	113	210	311	410
14	DKC 64-69 CAPRENO ATRAZINE COC	3.45 SC 4 L		6.0 oz/a 64.0 oz/a 1.0 % v/v		POST A POST A POST A		4.687 ml/mx 49.99 ml/mx 15.0 ml/mx	114	212	310	414

Sort Order: Treatment

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DKC 62-08 AND DKC 64-69 RESPONSE TO ALS HERBICIDES

YEAR 2

Trial ID:	CN-04-15	Study Dir.:	O.W. CARTER
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Trial Comments

MAINTAINED WEED-FREE

COC = RELIABLE (SOUTHERN STATES)

ROUNDUP W-MAX @ 22 OZ/A + ATRAZINE @ 64 OZ/A + PROWL @ 32 OZ/A - MARCH 31, 2015

STEADFAST Q = NICOSULFURON + RIMSULFURON + ISOXADIFEN

CAPRENO = TEMBOTRIONE + THIENCARBAZONE + ISOXADIFEN

HARVEST DATE: AUGUST 14, 2105

DKC 62-08 HARVEST MOISTURE: 15.1%

DKC-64-69 HARVEST MOISTURE: 16.1%

YIELDS ADJUSTED TO 15.5% MOISTURE

GDD AT APPLICATION = 335

SUMMARY:

1) FOR PLANT BIOMASS DATA COLLECTED AT 14 DAT:

- A) NO INTERACTION BETWEEN HYBRID AND TREATMENT WAS OBSERVED.
- B) WHEN AVERAGED OVER TREATMENTS, DKC 64-69 HAD GREATER BIOMASS THAN DKC 62-08.
- C) WHEN AVERAGED OVER HYBRID, TREATMENT HAD NO EFFECT ON CORN BIOMASS.

2) FOR PLANT HEIGHT DATA COLLECTED AT 24 DAT:

- A) NO INTERACTION BETWEEN HYBRID AND TREATMENT WAS OBSERVED.
- B) WHEN AVERAGED OVER TREATMENTS, DKC 64-69 WAS TALLER THAN THAN DKC 62-08.
- C) WHEN AVERAGED OVER HYBRID, THERE WAS NO DIFFERENCE IN PLANT HEIGHTS BETWEEN THE NTC AND ANY HERBICIDE TREATMENT.

3) FOR PLANT HEIGHT DATA COLLECTED AT 24 DAT:

- A) NO INTERACTION BETWEEN HYBRID AND TREATMENT WAS OBSERVED.
- B) WHEN AVERAGED OVER TREATMENTS, DKC 64-69 WAS TALLER THAN THAN DKC 62-08.
- C) WHEN AVERAGED OVER HYBRID, 2X RATES OF STEADFAST Q OR CAPRENO CAUSED SIGNIFICANT HEIGHT REDUCTIONS WHEN COMPARED TO THE NTC.

4) CORN YIELD DATA:

- A) NO INTERACTION BETWEEN HYBRID AND TREATMENT WAS OBSERVED.
- B) WHEN AVERAGED OVER TREATMENTS, HYBRID HAD NO EFFECT ON YIELD.
- C) WHEN AVERAGED OVER HYBRID, 1X RATE OF ACCENT AND THE 2X RATES OF STEADFAST Q OR CAPRENO CAUSED SIGNIFICANT YIELD REDUCTIONS WHEN COMPARED TO THE NTC.

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DKC 62-08 AND DKC 64-69 RESPONSE TO ALS HERBICIDES

YEAR 2

Trial ID: CN-04-15 Study Dir.: O.W. CARTER
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: O.W. CARTER **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:** DKC 6208/DKC 6469 **Planting Date:** Mar-17-15
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:** 4

Site Type: _____ **Study Design:** SPLPLO
Tillage Type: CONVENTIONAL
Trial Initiation Comments: VT TRIPLE PRO (6469); SMART STAX (6208); 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
1.	_____	_____	_____	_____	_____	_____

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.77 **% Sand:** 92 **% Silt:** 6 **% Clay:** 2
pH: 6.0 **CEC:** 2.6 **Soil Name:** TIFTON **Fertility Level:** GOOD

MOISTURE CONDITIONS

On:	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Mar-19-15	RF	0.29	IN	RAIN	_____	_____
2.	Mar-22-15	RF	0.34	IN	RAIN	_____	_____
3.	Mar-23-15	RF	0.27	IN	RAIN	_____	_____
4.	Mar-27-15	IRIG	0.30	IN	SPRINKLER - LATERAL MOVE	_____	_____
5.	Apr-2-15	IRIG	0.40	IN	SPRINKLER - LATERAL MOVE	_____	_____
6.	Apr-7-15	IRIG	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
7.	May-6-15	IRIG	0.75	IN	SPRINKLER - LATERAL MOVE	_____	_____
8.	May-11-15	IRIG	0.50	IN	SPRINKLER - LATERAL MOVE	_____	_____
9.	May-12-15	IRIG	0.50	IN	SPRINKLER - LATERAL MOVE	_____	_____
10.	May-14-15	IRIG	0.50	IN	SPRINKLER - LATERAL MOVE	_____	_____
11.	May-19-15	IRIG	0.75	IN	SPRINKLER - LATERAL MOVE	_____	_____
12.	May-22-15	IRIG	0.75	IN	SPRINKLER - LATERAL MOVE	_____	_____
13.	May-26-15	IRIG	0.75	IN	SPRINKLER - LATERAL MOVE	_____	_____
14.	Jun-26-15	IRIG	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:	Apr-7-15	_____	_____	_____	_____	_____	_____
Time of Day:	9:00 AM	_____	_____	_____	_____	_____	_____
Application Method:	BROADCAST	_____	_____	_____	_____	_____	_____
Application Timing:	POST	_____	_____	_____	_____	_____	_____
Applic. Placement:	FOLIAGE	_____	_____	_____	_____	_____	_____
Air Temp., Unit:	83.5 F	_____	_____	_____	_____	_____	_____
% Relative Humidity:	53	_____	_____	_____	_____	_____	_____
Wind Velocity, Unit:	1 MPH	_____	_____	_____	_____	_____	_____
Dew Presence (Y/N):	Y	_____	_____	_____	_____	_____	_____
Water Hardness:	--	_____	_____	_____	_____	_____	_____
Soil Temp., Unit:	69.5 F	_____	_____	_____	_____	_____	_____
Soil Moisture:	OPTIMUM	_____	_____	_____	_____	_____	_____
% Cloud Cover:	65	_____	_____	_____	_____	_____	_____

CROP STAGE AT EACH APPLICATION		A	B	C	D	E	F
Crop 1 Stage:	ZEAMA	_____	_____	_____	_____	_____	_____
Stage Scale:	V3	_____	_____	_____	_____	_____	_____
Height, Unit:	4 IN	_____	_____	_____	_____	_____	_____

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:	FLAT FAN	_____	_____	_____	_____	_____	_____
Nozzle Size:	11002DG	_____	_____	_____	_____	_____	_____
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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DKC 62-08 AND DKC 64-69 RESPONSE TO ALS HERBICIDES YEAR 2										
Trial ID: CN-04-15		Study Dir.: O.W. CARTER								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	PRM Data Type	# Subsamples, Dec.		
				----- ZEAMA CROP - STUNT PERCENT Apr-16-15 9 DA-A	----- ZEAMA PLANT - BIOMASS G/6 PLTS Apr-21-15 14 DA-A	----- ZEAMA PLANT - HGT-1 CM May-1-15 24 DA-A	----- ZEAMA PLANT - HGT-2 CM May-1-15 24 DA-A	----- ZEAMA PLANT - HGT-3 CM May-1-15 24 DA-A	----- ZEAMA PLANT - HGT-4 CM May-1-15 24 DA-A	----- ZEAMA PLANT - HGT-5 CM May-1-15 24 DA-A
Trt Treatment No.	Form Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg Stg	Appl Code			
								1	8	
TABLE OF R MEANS										
Replicate 1										
Replicate 2										
Replicate 3										
Replicate 4										
TABLE OF A (HYBRID) MEANS										
1 DKC 62-08										
2 DKC 64-69										
LSD P=.10										
Standard Deviation										
CV										
TABLE OF B (TREATMENT) MEANS										
1 NTC										
2 ACCENT 75 WG 0.67 oz/a POST A										
2 ATRAZINE 4 L 64.0 oz/a POST A										
2 COC 1.0 % v/v POST A										
3 ACCENT 75 WG 1.34 oz/a POST A										
3 ATRAZINE 4 L 64.0 oz/a POST A										
3 COC 1.0 % v/v POST A										
4 STEADFAST Q 37.7 WG 1.5 oz/a POST A										
4 ATRAZINE 4 L 64.0 oz/a POST A										
4 COC 1.0 % v/v POST A										
5 STEADFAST Q 37.7 WG 3.0 oz/a POST A										
5 ATRAZINE 4 L 64.0 oz/a POST A										
5 COC 1.0 % v/v POST A										
6 CAPRENO 3.45 SC 3.0 oz/a POST A										
6 ATRAZINE 4 L 64.0 oz/a POST A										
6 COC 1.0 % v/v POST A										
7 CAPRENO 3.45 SC 6.0 oz/a POST A										
7 ATRAZINE 4 L 64.0 oz/a POST A										
7 COC 1.0 % v/v POST A										
LSD P=.10										
Standard Deviation										
CV										
TABLE OF A (HYBRID) B (TREATMENT) MEANS										
1 DKC 62-08										
1 NTC										
2 DKC 64-69										
1 NTC										
1 DKC 62-08										
2 ACCENT 75 WG 0.67 oz/a POST A										
2 ATRAZINE 4 L 64.0 oz/a POST A										
2 COC 1.0 % v/v POST A										
2 DKC 64-69										
2 ACCENT 75 WG 0.67 oz/a POST A										
2 ATRAZINE 4 L 64.0 oz/a POST A										
2 COC 1.0 % v/v POST A										
1 DKC 62-08										
3 ACCENT 75 WG 1.34 oz/a POST A										
3 ATRAZINE 4 L 64.0 oz/a POST A										
3 COC 1.0 % v/v POST A										

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				ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA				
Part Rated				CROP -	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -				
Rating Data Type				STUNT	BIOMASS	HGT-1	HGT-2	HGT-3	HGT-4	HGT-5				
Rating Unit				PERCENT	G/6 PLTS	CM	CM	CM	CM	CM				
Rating Date				Apr-16-15	Apr-21-15	May-1-15	May-1-15	May-1-15	May-1-15	May-1-15				
Trt-Eval Interval				9 DA-A	14 DA-A	24 DA-A	24 DA-A	24 DA-A	24 DA-A	24 DA-A				
PRM Data Type														
# Subsamples, Dec.										T1 - 0				
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	7	8
2	DKC 64-69						0.0 a	328.8 a	76.3 a	81.0 a	77.8 a	80.3 a	79.0 a	79 a
3	ACCENT	75	WG	1.34 oz/a	POST	A								
3	ATRAZINE	4	L	64.0 oz/a	POST	A								
3	COC			1.0 % v/v	POST	A								
1	DKC 62-08						2.5 a	227.8 a	71.8 a	71.8 a	73.0 a	77.5 a	71.8 a	73 a
4	STEADFAST Q	37.7	WG	1.5 oz/a	POST	A								
4	ATRAZINE	4	L	64.0 oz/a	POST	A								
4	COC			1.0 % v/v	POST	A								
2	DKC 64-69						1.3 a	334.3 a	79.5 a	75.0 a	75.0 a	76.3 a	75.8 a	76 a
4	STEADFAST Q	37.7	WG	1.5 oz/a	POST	A								
4	ATRAZINE	4	L	64.0 oz/a	POST	A								
4	COC			1.0 % v/v	POST	A								
1	DKC 62-08						3.8 a	219.5 a	68.0 a	70.3 a	71.8 a	70.5 a	71.0 a	70 a
5	STEADFAST Q	37.7	WG	3.0 oz/a	POST	A								
5	ATRAZINE	4	L	64.0 oz/a	POST	A								
5	COC			1.0 % v/v	POST	A								
2	DKC 64-69						2.5 a	270.3 a	74.0 a	73.0 a	78.3 a	75.5 a	75.3 a	75 a
5	STEADFAST Q	37.7	WG	3.0 oz/a	POST	A								
5	ATRAZINE	4	L	64.0 oz/a	POST	A								
5	COC			1.0 % v/v	POST	A								
1	DKC 62-08						6.3 a	182.3 a	65.0 a	67.0 a	64.8 a	67.3 a	66.0 a	66 a
6	CAPRENO	3.45	SC	3.0 oz/a	POST	A								
6	ATRAZINE	4	L	64.0 oz/a	POST	A								
6	COC			1.0 % v/v	POST	A								
2	DKC 64-69						3.8 a	328.0 a	69.3 a	76.5 a	75.8 a	77.0 a	74.3 a	75 a
6	CAPRENO	3.45	SC	3.0 oz/a	POST	A								
6	ATRAZINE	4	L	64.0 oz/a	POST	A								
6	COC			1.0 % v/v	POST	A								
1	DKC 62-08						11.3 a	170.0 a	67.3 a	64.3 a	62.0 a	68.8 a	63.0 a	65 a
7	CAPRENO	3.45	SC	6.0 oz/a	POST	A								
7	ATRAZINE	4	L	64.0 oz/a	POST	A								
7	COC			1.0 % v/v	POST	A								
2	DKC 64-69						3.8 a	270.5 a	73.8 a	76.5 a	72.8 a	71.5 a	73.8 a	74 a
7	CAPRENO	3.45	SC	6.0 oz/a	POST	A								
7	ATRAZINE	4	L	64.0 oz/a	POST	A								
7	COC			1.0 % v/v	POST	A								
LSD	P=.10						4.55	77.55	7.20	6.62	8.23	7.11	6.94	6.0
Standard Deviation							3.81	64.96	6.03	5.55	6.89	5.96	5.81	5.0
CV							133.43	24.78	8.30	7.59	9.36	8.01	7.96	6.8

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Weed Code	-----		-----		-----		-----		-----				
Crop Code	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA				
Part Rated	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -				
Rating Data Type	HGT-1	HGT-2	HGT-3	HGT-4	HGT-5	AVG HGT	YIELD	MOISTURE					
Rating Unit	CM	CM	CM	CM	CM	CM	LBS/PLOT	PERCENT					
Rating Date	Jun-4-15	Jun-4-15	Jun-4-15	Jun-4-15	Jun-4-15	Jun-4-15	Aug-14-15	Aug-14-15					
Trt-Eval Interval	58 DA-A	58 DA-A	58 DA-A	58 DA-A	58 DA-A	58 DA-A	129 DA-A	129 DA-A					
PRM Data Type							T2						
# Subsamples, Dec.							- 0						
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	9	10	11	12	13	14	15	16
TABLE OF R MEANS													
Replicate 1													
Replicate 2													
Replicate 3													
Replicate 4													
TABLE OF A (HYBRID) MEANS													
1 DKC 62-08													
2 DKC 64-69													
LSD P=.10													
Standard Deviation													
CV													
TABLE OF B (TREATMENT) MEANS													
1 NTC													
2 ACCENT 75 WG 0.67 oz/a POST A													
2 ATRAZINE 4 L 64.0 oz/a POST A													
2 COC 1.0 % v/v POST A													
3 ACCENT 75 WG 1.34 oz/a POST A													
3 ATRAZINE 4 L 64.0 oz/a POST A													
3 COC 1.0 % v/v POST A													
4 STEADFAST Q 37.7 WG 1.5 oz/a POST A													
4 ATRAZINE 4 L 64.0 oz/a POST A													
4 COC 1.0 % v/v POST A													
5 STEADFAST Q 37.7 WG 3.0 oz/a POST A													
5 ATRAZINE 4 L 64.0 oz/a POST A													
5 COC 1.0 % v/v POST A													
6 CAPRENO 3.45 SC 3.0 oz/a POST A													
6 ATRAZINE 4 L 64.0 oz/a POST A													
6 COC 1.0 % v/v POST A													
7 CAPRENO 3.45 SC 6.0 oz/a POST A													
7 ATRAZINE 4 L 64.0 oz/a POST A													
7 COC 1.0 % v/v POST A													
LSD P=.10													
Standard Deviation													
CV													
TABLE OF A (HYBRID) B (TREATMENT) MEANS													
1 DKC 62-08													
1 NTC													
2 DKC 64-69													
1 NTC													
1 DKC 62-08													
2 ACCENT 75 WG 0.67 oz/a POST A													
2 ATRAZINE 4 L 64.0 oz/a POST A													
2 COC 1.0 % v/v POST A													
2 DKC 64-69													
2 ACCENT 75 WG 0.67 oz/a POST A													
2 ATRAZINE 4 L 64.0 oz/a POST A													
2 COC 1.0 % v/v POST A													
1 DKC 62-08													
3 ACCENT 75 WG 1.34 oz/a POST A													
3 ATRAZINE 4 L 64.0 oz/a POST A													
3 COC 1.0 % v/v POST A													

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Weed Code					-----	-----	-----	-----	-----	-----	-----	-----	
Crop Code					ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	
Part Rated					PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLOT -	PLOT -	
Rating Data Type					HGT-1	HGT-2	HGT-3	HGT-4	HGT-5	AVG HGT	YIELD	MOISTURE	
Rating Unit					CM	CM	CM	CM	CM	CM	LBS/PLOT	PERCENT	
Rating Date					Jun-4-15	Jun-4-15	Jun-4-15	Jun-4-15	Jun-4-15	Jun-4-15	Aug-14-15	Aug-14-15	
Trt-Eval Interval					58 DA-A	58 DA-A	58 DA-A	58 DA-A	58 DA-A	58 DA-A	129 DA-A	129 DA-A	
PRM Data Type											T2		
# Subsamples, Dec.											- 0		
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	9	10	11	12	13	14	15	16
2 DKC 64-69 3 ACCENT 3 ATRAZINE 3 COC	75 WG 4 L		1.34 oz/a 64.0 oz/a 1.0 % v/v	POST A POST A POST A		233.5 a	230.8 a	229.5 a	236.0 a	230.8 a	232 a	43.0 a	16.10 a
1 DKC 62-08 4 STEADFAST Q 4 ATRAZINE 4 COC	37.7 WG 4 L		1.5 oz/a 64.0 oz/a 1.0 % v/v	POST A POST A POST A		212.3 a	226.8 a	222.3 a	220.3 a	215.8 a	219 a	38.3 a	15.10 b
2 DKC 64-69 4 STEADFAST Q 4 ATRAZINE 4 COC	37.7 WG 4 L		1.5 oz/a 64.0 oz/a 1.0 % v/v	POST A POST A POST A		233.3 a	234.8 a	229.5 a	221.8 a	228.3 a	230 a	40.3 a	16.10 a
1 DKC 62-08 5 STEADFAST Q 5 ATRAZINE 5 COC	37.7 WG 4 L		3.0 oz/a 64.0 oz/a 1.0 % v/v	POST A POST A POST A		196.3 a	207.3 a	206.3 a	211.0 a	208.3 a	206 a	37.3 a	15.10 b
2 DKC 64-69 5 STEADFAST Q 5 ATRAZINE 5 COC	37.7 WG 4 L		3.0 oz/a 64.0 oz/a 1.0 % v/v	POST A POST A POST A		218.0 a	219.8 a	221.8 a	223.3 a	227.5 a	222 a	39.5 a	16.10 a
1 DKC 62-08 6 CAPRENO 6 ATRAZINE 6 COC	3.45 SC 4 L		3.0 oz/a 64.0 oz/a 1.0 % v/v	POST A POST A POST A		202.0 a	208.0 a	213.5 a	210.3 a	214.0 a	210 a	39.8 a	15.10 b
2 DKC 64-69 6 CAPRENO 6 ATRAZINE 6 COC	3.45 SC 4 L		3.0 oz/a 64.0 oz/a 1.0 % v/v	POST A POST A POST A		222.5 a	232.3 a	233.3 a	221.5 a	221.8 a	226 a	38.5 a	16.10 a
1 DKC 62-08 7 CAPRENO 7 ATRAZINE 7 COC	3.45 SC 4 L		6.0 oz/a 64.0 oz/a 1.0 % v/v	POST A POST A POST A		204.3 a	205.5 a	201.3 a	201.5 a	204.8 a	203 a	39.5 a	15.10 b
2 DKC 64-69 7 CAPRENO 7 ATRAZINE 7 COC	3.45 SC 4 L		6.0 oz/a 64.0 oz/a 1.0 % v/v	POST A POST A POST A		218.0 a	223.5 a	223.3 a	224.8 a	218.0 a	222 a	42.0 a	16.10 a
LSD P=.10						14.99	16.93	15.29	16.64	17.41	12.3	4.55	.
Standard Deviation						12.56	14.18	12.81	13.94	14.58	10.3	3.81	0.000
CV						5.73	6.36	5.74	6.31	6.65	4.7	9.41	0.000

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Weed Code						-----	-----
Crop Code						ZEAMA	ZEAMA
Part Rated						PLOT -	PLOT -
Rating Data Type						YIELD	YIELD
Rating Unit						BU/A	KG/HA
Rating Date						Aug-14-15	Aug-14-15
Trt-Eval Interval						129 DA-A	129 DA-A
PRM Data Type						TY3	TY4
# Subsamples, Dec.						- 0	- 0
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	17	18
TABLE OF R MEANS							
Replicate 1						238	14940
Replicate 2						252	15798
Replicate 3						260	16326
Replicate 4						256	16079
TABLE OF A (HYBRID) MEANS							
1 DKC 62-08						251 a	15754 a
2 DKC 64-69						252 a	15818 a
LSD P=.10						19.2	1207.2
Standard Deviation						30.6	1919.3
CV						12.2	12.2
TABLE OF B (TREATMENT) MEANS							
1 NTC						269 a	16873 a
2 ACCENT 75 WG 0.67 oz/a POST A						246 b	15461 b
2 ATRAZINE 4 L 64.0 oz/a POST A							
2 COC 1.0 % v/v POST A							
3 ACCENT 75 WG 1.34 oz/a POST A						266 a	16727 a
3 ATRAZINE 4 L 64.0 oz/a POST A							
3 COC 1.0 % v/v POST A							
4 STEADFAST Q 37.7 WG 1.5 oz/a POST A						244 b	15310 b
4 ATRAZINE 4 L 64.0 oz/a POST A							
4 COC 1.0 % v/v POST A							
5 STEADFAST Q 37.7 WG 3.0 oz/a POST A						238 b	14969 b
5 ATRAZINE 4 L 64.0 oz/a POST A							
5 COC 1.0 % v/v POST A							
6 CAPRENO 3.45 SC 3.0 oz/a POST A						243 b	15265 b
6 ATRAZINE 4 L 64.0 oz/a POST A							
6 COC 1.0 % v/v POST A							
7 CAPRENO 3.45 SC 6.0 oz/a POST A						253 ab	15895 ab
7 ATRAZINE 4 L 64.0 oz/a POST A							
7 COC 1.0 % v/v POST A							
LSD P=.10						19.9	1251.9
Standard Deviation						23.6	1483.1
CV						9.4	9.4
TABLE OF A (HYBRID) B (TREATMENT) MEANS							
1 DKC 62-08						270 a	16973 a
1 NTC							
2 DKC 64-69						267 a	16773 a
1 NTC							
1 DKC 62-08						252 a	15796 a
2 ACCENT 75 WG 0.67 oz/a POST A							
2 ATRAZINE 4 L 64.0 oz/a POST A							
2 COC 1.0 % v/v POST A							
2 DKC 64-69						241 a	15125 a
2 ACCENT 75 WG 0.67 oz/a POST A							
2 ATRAZINE 4 L 64.0 oz/a POST A							
2 COC 1.0 % v/v POST A							
1 DKC 62-08						267 a	16777 a
3 ACCENT 75 WG 1.34 oz/a POST A							
3 ATRAZINE 4 L 64.0 oz/a POST A							
3 COC 1.0 % v/v POST A							

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Weed Code							-----	-----
Crop Code							ZEAMA	ZEAMA
Part Rated							PLOT -	PLOT -
Rating Data Type							YIELD	YIELD
Rating Unit							BU/A	KG/HA
Rating Date							Aug-14-15	Aug-14-15
Trt-Eval Interval							129 DA-A	129 DA-A
PRM Data Type							TY3	TY4
# Subsamples, Dec.							- 0	- 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Stg	Appl Code	17	18
2	DKC 64-69						266 a	16676 a
3	ACCENT	75	WG	1.34 oz/a	POST	A		
3	ATRAZINE	4	L	64.0 oz/a	POST	A		
3	COC			1.0 % v/v	POST	A		
1	DKC 62-08						239 a	15011 a
4	STEADFAST Q	37.7	WG	1.5 oz/a	POST	A		
4	ATRAZINE	4	L	64.0 oz/a	POST	A		
4	COC			1.0 % v/v	POST	A		
2	DKC 64-69						249 a	15610 a
4	STEADFAST Q	37.7	WG	1.5 oz/a	POST	A		
4	ATRAZINE	4	L	64.0 oz/a	POST	A		
4	COC			1.0 % v/v	POST	A		
1	DKC 62-08						233 a	14619 a
5	STEADFAST Q	37.7	WG	3.0 oz/a	POST	A		
5	ATRAZINE	4	L	64.0 oz/a	POST	A		
5	COC			1.0 % v/v	POST	A		
2	DKC 64-69						244 a	15319 a
5	STEADFAST Q	37.7	WG	3.0 oz/a	POST	A		
5	ATRAZINE	4	L	64.0 oz/a	POST	A		
5	COC			1.0 % v/v	POST	A		
1	DKC 62-08						249 a	15600 a
6	CAPRENO	3.45	SC	3.0 oz/a	POST	A		
6	ATRAZINE	4	L	64.0 oz/a	POST	A		
6	COC			1.0 % v/v	POST	A		
2	DKC 64-69						238 a	14931 a
6	CAPRENO	3.45	SC	3.0 oz/a	POST	A		
6	ATRAZINE	4	L	64.0 oz/a	POST	A		
6	COC			1.0 % v/v	POST	A		
1	DKC 62-08						247 a	15502 a
7	CAPRENO	3.45	SC	6.0 oz/a	POST	A		
7	ATRAZINE	4	L	64.0 oz/a	POST	A		
7	COC			1.0 % v/v	POST	A		
2	DKC 64-69						260 a	16289 a
7	CAPRENO	3.45	SC	6.0 oz/a	POST	A		
7	ATRAZINE	4	L	64.0 oz/a	POST	A		
7	COC			1.0 % v/v	POST	A		
LSD P=.10							28.2	1770.5
Standard Deviation							23.6	1483.1
CV							9.4	9.4

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COMPLETE SPLIT-PLOT AOV For ----- ZEAMA CROP STUNT PERCENT Apr-16-15 9 DA-A (Data Column 1)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	55	1542.857143					
R	3	478.571429	159.523810	10.976	0.0001		
A	1	87.500000	87.500000	5.444	0.1018	2.5	
ERROR A	3	48.214286	16.071429				
B	6	330.357143	55.059524	3.788	0.0050	3.2	
AB	6	75.000000	12.500000	0.860	0.5333	4.6	
ERROR B	36	523.214286	14.533730				

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT BIOMASS G/6 PLTS Apr-21-15 14 DA-A (Data Column 2)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	55	356910.214286					
R	3	27254.928571	9084.976190	2.153	0.1106		
A	1	132114.285714	132114.285714	55.474	0.0050	30.7	
ERROR A	3	7144.714286	2381.571429				
B	6	28226.714286	4704.452381	1.115	0.3732	54.8	
AB	6	10249.214286	1708.202381	0.405	0.8709	77.6	
ERROR B	36	151920.357143	4220.009921				

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT HGT-1 CM May-1-15 24 DA-A (Data Column 3)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	55	3126.214286					
R	3	512.071429	170.690476	4.688	0.0073		
A	1	631.142857	631.142857	19.812	0.0211	3.6	
ERROR A	3	95.571429	31.857143				
B	6	505.464286	84.244048	2.314	0.0543	5.1	
AB	6	71.107143	11.851190	0.325	0.9192	7.2	
ERROR B	36	1310.857143	36.412698				

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT HGT-2 CM May-1-15 24 DA-A (Data Column 4)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	55	2651.714286					
R	3	337.571429	112.523810	3.659	0.0212		
A	1	700.071429	700.071429	19.853	0.0210	3.7	
ERROR A	3	105.785714	35.261905				
B	6	226.714286	37.785714	1.229	0.3147	4.7	
AB	6	174.428571	29.071429	0.945	0.4753	6.6	
ERROR B	36	1107.142857	30.753968				

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT HGT-3 CM May-1-15 24 DA-A (Data Column 5)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	55	3346.553571					
R	3	188.482143	62.827381	1.322	0.2822		
A	1	440.160714	440.160714	11.651	0.0420	3.9	
ERROR A	3	113.339286	37.779762				
B	6	681.428571	113.571429	2.390	0.0478	5.8	
AB	6	212.714286	35.452381	0.746	0.6163	8.2	
ERROR B	36	1710.428571	47.511905				

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT HGT-4 CM May-1-15 24 DA-A (Data Column 6)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	55	2859.357143					
R	3	456.642857	152.214286	4.290	0.0109		
A	1	232.071429	232.071429	2.876	0.1885	5.6	
ERROR A	3	242.071429	80.690476				
B	6	509.857143	84.976190	2.395	0.0475	5.0	
AB	6	141.428571	23.571429	0.664	0.6787	7.1	
ERROR B	36	1277.285714	35.480159				

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT HGT-5 CM May-1-15 24 DA-A (Data Column 7)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	55	2574.982143					
R	3	307.482143	102.494048	3.032	0.0417		
A	1	474.446429	474.446429	24.700	0.0156	2.8	
ERROR A	3	57.625000	19.208333				
B	6	431.107143	71.851190	2.125	0.0742	4.9	
AB	6	87.178571	14.529762	0.430	0.8542	6.9	
ERROR B	36	1217.142857	33.809524				

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COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT AVG HGT CM May-1-15 24 DA-A T1 0 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	55	2183.688571				
R	3	305.797143	101.932381	4.061	0.0139	
A	1	480.285714	480.285714	27.046	0.0138	3
ERROR A	3	53.274286	17.758095			
B	6	390.948571	65.158095	2.596	0.0341	4
AB	6	49.734286	8.289048	0.330	0.9166	6
ERROR B	36	903.648571	25.101349			

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT HGT-1 CM Jun-4-15 58 DA-A (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	55	17206.553571				
R	3	3691.482143	1230.494048	7.805	0.0004	
A	1	3568.017857	3568.017857	26.959	0.0139	7.2
ERROR A	3	397.053571	132.351190			
B	6	3587.928571	597.988095	3.793	0.0050	10.6
AB	6	286.857143	47.809524	0.303	0.9311	15.0
ERROR B	36	5675.214286	157.644841			

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT HGT-2 CM Jun-4-15 58 DA-A (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	55	17120.125000				
R	3	3738.767857	1246.255952	6.198	0.0017	
A	1	2619.446429	2619.446429	9.618	0.0532	10.4
ERROR A	3	817.053571	272.351190			
B	6	2316.000000	386.000000	1.920	0.1042	12.0
AB	6	389.928571	64.988095	0.323	0.9205	16.9
ERROR B	36	7238.928571	201.081349			

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT HGT-3 CM Jun-4-15 58 DA-A (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	55	15172.839286				
R	3	4119.482143	1373.160714	8.372	0.0002	
A	1	1350.446429	1350.446429	20.604	0.0200	5.1
ERROR A	3	196.625000	65.541667			
B	6	2512.714286	418.785714	2.553	0.0366	10.8
AB	6	1088.928571	181.488095	1.107	0.3777	15.3
ERROR B	36	5904.642857	164.017857			

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT HGT-4 CM Jun-4-15 58 DA-A (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	55	14614.839286				
R	3	2166.625000	722.208333	3.716	0.0199	
A	1	1089.446429	1089.446429	2.937	0.1851	12.1
ERROR A	3	1112.767857	370.922619			
B	6	1474.964286	245.827381	1.265	0.2977	11.8
AB	6	1775.178571	295.863095	1.522	0.1988	16.6
ERROR B	36	6995.857143	194.329365			

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT HGT-5 CM Jun-4-15 58 DA-A (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	55	14781.714286				
R	3	2653.857143	884.619048	4.159	0.0125	
A	1	1851.500000	1851.500000	4.233	0.1318	13.2
ERROR A	3	1312.071429	437.357143			
B	6	1098.214286	183.035714	0.861	0.5329	12.3
AB	6	209.500000	34.916667	0.164	0.9847	17.4
ERROR B	36	7656.571429	212.682540			

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLANT AVG HGT CM Jun-4-15 58 DA-A T2 0 (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	55	11629.414286				
R	3	2997.751429	999.250476	9.440	0.0001	
A	1	2001.625714	2001.625714	9.580	0.0535	9
ERROR A	3	626.802857	208.934286			
B	6	1834.494286	305.749048	2.888	0.0211	9
AB	6	357.974286	59.662381	0.564	0.7563	12
ERROR B	36	3810.765714	105.854603			

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COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLOT YIELD LBS/PLOT Aug-14-15 129 DA-A (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	55	909.928571				
R	3	101.500000	33.833333	2.333	0.0903	
A	1	5.785714	5.785714	0.236	0.6603	3.1
ERROR A	3	73.500000	24.500000			
B	6	175.928571	29.321429	2.022	0.0880	3.2
AB	6	31.214286	5.202381	0.359	0.9000	4.5
ERROR B	36	522.000000	14.500000			

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLOT MOISTURE PERCENT Aug-14-15 129 DA-A (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	55	14.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	1	14.000000	14.000000	0.000	1.0000	.
ERROR A	3	0.000000	0.000000			
B	6	0.000000	0.000000	0.000	1.0000	.
AB	6	0.000000	0.000000	0.000	1.0000	.
ERROR B	36	0.000000	0.000000			

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLOT YIELD BU/A Aug-14-15 129 DA-A TY3 0 (Data Column 17)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	55	34817.914446				
R	3	3886.724661	1295.574887	2.321	0.0916	
A	1	14.444534	14.444534	0.015	0.9089	19
ERROR A	3	2805.057433	935.019144			
B	6	6802.233985	1133.705664	2.031	0.0867	20
AB	6	1211.775777	201.962629	0.362	0.8982	28
ERROR B	36	20097.678056	558.268835			

COMPLETE SPLIT-PLOT AOV For ----- ZEAMA PLOT YIELD KG/HA Aug-14-15 129 DA-A TY4 0 (Data Column 18)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	55	137176645.876604				
R	3	15313031.633643	5104343.877881	2.321	0.0916	
A	1	56909.753229	56909.753229	0.015	0.9089	1207
ERROR A	3	11051452.309106	3683817.436369			
B	6	26799640.354627	4466606.725771	2.031	0.0867	1252
AB	6	4774191.543326	795698.590554	0.362	0.8982	1770
ERROR B	36	79181420.282673	2199483.896741			

Part Rated
 PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
PRM Data Type
 T1 = ([3]+[4]+[5]+[6]+[7])/5
 T2 = ([9]+[10]+[11]+[12]+[13])/5
 TY3 = 6.222857*[15]*(100-[16])/84.5
 TY4 = 390.5967*[15]*(100-[16])/84.5

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DKC 62-08 AND DKC 64-69 RESPONSE TO ALS HERBICIDES													
YEAR 2													
Trial ID: CN-04-15		Study Dir.: O.W. CARTER											
Location: PONDER FARM		Investigator: Eric P. Prostko											
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	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				
1 DKC 62-08						101	0.0	220.0	71.0	72.0	74.0	75.0	76.0
NTC						207	0.0	195.0	70.0	71.0	68.0	66.0	73.0
						306	0.0	183.0	60.0	64.0	60.0	66.0	60.0
						402	0.0	314.0	74.0	72.0	82.0	76.0	76.0
						Mean =	0.0	228.0	68.8	69.8	71.0	70.8	71.3
2 DKC 62-08						102	5.0	207.0	72.0	70.0	78.0	71.0	70.0
ACCENT	75 WG		0.67 oz/a	POST	A	203	0.0	226.0	71.0	77.0	77.0	72.0	72.0
ATRAZINE	4 L		64.0 oz/a	POST	A	303	0.0	256.0	77.0	78.0	78.0	76.0	75.0
COC			1.0 % v/v	POST	A	403	0.0	299.0	71.0	70.0	81.0	77.0	78.0
						Mean =	1.3	247.0	72.8	73.8	78.5	74.0	73.8
3 DKC 62-08						103	5.0	223.0	68.0	67.0	78.0	79.0	66.0
ACCENT	75 WG		1.34 oz/a	POST	A	204	0.0	259.0	76.0	73.0	77.0	84.0	78.0
ATRAZINE	4 L		64.0 oz/a	POST	A	304	0.0	261.0	77.0	73.0	80.0	77.0	78.0
COC			1.0 % v/v	POST	A	406	10.0	140.0	66.0	67.0	65.0	71.0	74.0
						Mean =	3.8	220.8	71.8	70.0	75.0	77.8	74.0
4 DKC 62-08						104	5.0	205.0	72.0	63.0	77.0	73.0	71.0
STEADFAST Q	37.7 WG		1.5 oz/a	POST	A	202	0.0	202.0	67.0	78.0	73.0	77.0	67.0
ATRAZINE	4 L		64.0 oz/a	POST	A	302	0.0	279.0	77.0	78.0	81.0	80.0	77.0
COC			1.0 % v/v	POST	A	405	5.0	225.0	71.0	68.0	61.0	80.0	72.0
						Mean =	2.5	227.8	71.8	71.8	73.0	77.5	71.8
5 DKC 62-08						105	15.0	143.0	63.0	61.0	68.0	61.0	63.0
STEADFAST Q	37.7 WG		3.0 oz/a	POST	A	205	0.0	232.0	70.0	77.0	71.0	70.0	69.0
ATRAZINE	4 L		64.0 oz/a	POST	A	301	0.0	250.0	73.0	75.0	74.0	71.0	74.0
COC			1.0 % v/v	POST	A	401	0.0	253.0	66.0	68.0	74.0	80.0	78.0
						Mean =	3.8	219.5	68.0	70.3	71.8	70.5	71.0
6 DKC 62-08						106	20.0	156.0	61.0	61.0	62.0	63.0	63.0
CAPRENO	3.45 SC		3.0 oz/a	POST	A	206	0.0	154.0	71.0	68.0	67.0	61.0	57.0
ATRAZINE	4 L		64.0 oz/a	POST	A	307	0.0	176.0	47.0	62.0	61.0	69.0	73.0
COC			1.0 % v/v	POST	A	404	5.0	243.0	81.0	77.0	69.0	76.0	71.0
						Mean =	6.3	182.3	65.0	67.0	64.8	67.3	66.0
7 DKC 62-08						107	20.0	145.0	59.0	55.0	58.0	57.0	57.0
CAPRENO	3.45 SC		6.0 oz/a	POST	A	201	5.0	177.0	72.0	70.0	66.0	74.0	69.0
ATRAZINE	4 L		64.0 oz/a	POST	A	305	5.0	213.0	70.0	72.0	67.0	78.0	67.0
COC			1.0 % v/v	POST	A	407	15.0	145.0	68.0	60.0	57.0	66.0	59.0
						Mean =	11.3	170.0	67.3	64.3	62.0	68.8	63.0
8 DKC 64-69						108	0.0	266.0	70.0	80.0	79.0	71.0	70.0
NTC						213	0.0	302.0	85.0	75.0	78.0	75.0	76.0
						313	0.0	192.0	79.0	65.0	71.0	70.0	73.0
						412	0.0	467.0	87.0	81.0	80.0	81.0	79.0
						Mean =	0.0	306.8	80.3	75.3	77.0	74.3	74.5
9 DKC 64-69						109	0.0	310.0	74.0	74.0	74.0	76.0	74.0
ACCENT	75 WG		0.67 oz/a	POST	A	208	0.0	322.0	82.0	79.0	81.0	86.0	83.0
ATRAZINE	4 L		64.0 oz/a	POST	A	309	0.0	370.0	82.0	79.0	80.0	80.0	78.0
COC			1.0 % v/v	POST	A	409	0.0	345.0	79.0	84.0	80.0	79.0	81.0
						Mean =	0.0	336.8	79.3	79.0	78.8	80.3	79.0
10 DKC 64-69						110	0.0	328.0	71.0	85.0	77.0	76.0	80.0
ACCENT	75 WG		1.34 oz/a	POST	A	214	0.0	267.0	81.0	75.0	71.0	82.0	72.0
ATRAZINE	4 L		64.0 oz/a	POST	A	312	0.0	370.0	76.0	82.0	86.0	82.0	85.0
COC			1.0 % v/v	POST	A	411	0.0	350.0	77.0	82.0	77.0	81.0	79.0
						Mean =	0.0	328.8	76.3	81.0	77.8	80.3	79.0
11 DKC 64-69						111	0.0	339.0	80.0	72.0	76.0	75.0	77.0
STEADFAST Q	37.7 WG		1.5 oz/a	POST	A	209	0.0	384.0	87.0	84.0	81.0	87.0	75.0
ATRAZINE	4 L		64.0 oz/a	POST	A	308	0.0	370.0	77.0	74.0	80.0	81.0	82.0
COC			1.0 % v/v	POST	A	413	5.0	244.0	74.0	70.0	63.0	62.0	69.0
						Mean =	1.3	334.3	79.5	75.0	75.0	76.3	75.8

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Weed Code						-----	-----	-----	-----	-----	-----	-----		
Crop Code						ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA		
Part Rated						CROP -	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -		
Rating Data Type						STUNT	BIOMASS	HGT-1	HGT-2	HGT-3	HGT-4	HGT-5		
Rating Unit						PERCENT	G/6 PLTS	CM	CM	CM	CM	CM		
Rating Date						Apr-16-15	Apr-21-15	May-1-15	May-1-15	May-1-15	May-1-15	May-1-15		
Trt-Eval Interval						9 DA-A	14 DA-A	24 DA-A	24 DA-A	24 DA-A	24 DA-A	24 DA-A		
PRM Data Type														
# Subsamples, Dec.														
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	Plot	1	2	3	4	5	6	7
12	DKC 64-69					112		10.0	235.0	68.0	73.0	70.0	70.0	72.0
	STEADFAST Q	37.7	WG	3.0 oz/a	POST A	211		0.0	380.0	81.0	80.0	90.0	89.0	82.0
	ATRAZINE	4	L	64.0 oz/a	POST A	314		0.0	176.0	65.0	66.0	70.0	68.0	66.0
	COC			1.0 % v/v	POST A	408		0.0	290.0	82.0	73.0	83.0	75.0	81.0
						Mean =		2.5	270.3	74.0	73.0	78.3	75.5	75.3
13	DKC 64-69					113		15.0	176.0	58.0	68.0	60.0	66.0	61.0
	CAPRENO	3.45	SC	3.0 oz/a	POST A	210		0.0	426.0	75.0	85.0	86.0	88.0	81.0
	ATRAZINE	4	L	64.0 oz/a	POST A	311		0.0	342.0	73.0	75.0	81.0	79.0	81.0
	COC			1.0 % v/v	POST A	410		0.0	368.0	71.0	78.0	76.0	75.0	74.0
						Mean =		3.8	328.0	69.3	76.5	75.8	77.0	74.3
14	DKC 64-69					114		10.0	185.0	69.0	72.0	70.0	63.0	66.0
	CAPRENO	3.45	SC	6.0 oz/a	POST A	212		0.0	308.0	81.0	78.0	78.0	73.0	80.0
	ATRAZINE	4	L	64.0 oz/a	POST A	310		0.0	377.0	71.0	84.0	79.0	80.0	78.0
	COC			1.0 % v/v	POST A	414		5.0	212.0	74.0	72.0	64.0	70.0	71.0
						Mean =		3.8	270.5	73.8	76.5	72.8	71.5	73.8

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Weed Code						-----	-----	-----	-----	-----	-----	-----		
Crop Code						ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA		
Part Rated						PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -		
Rating Data Type						AVG HGT	HGT-1	HGT-2	HGT-3	HGT-4	HGT-5	AVG HGT		
Rating Unit						CM	CM	CM	CM	CM	CM	CM		
Rating Date						May-1-15	Jun-4-15	Jun-4-15	Jun-4-15	Jun-4-15	Jun-4-15	Jun-4-15		
Trt-Eval Interval						24 DA-A	58 DA-A	58 DA-A	58 DA-A	58 DA-A	58 DA-A	58 DA-A		
PRM Data Type						T1						T2		
# Subsamples, Dec.						- 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 DKC 62-08							101	74	205.0	206.0	206.0	215.0	195.0	205
NTC							207	70	225.0	204.0	228.0	240.0	217.0	223
							306	62	230.0	229.0	245.0	245.0	220.0	234
							402	76	230.0	245.0	235.0	234.0	224.0	234
							Mean =	70	222.5	221.0	228.5	233.5	214.0	224
2 DKC 62-08							102	72	174.0	194.0	196.0	211.0	202.0	195
ACCENT	75 WG		0.67 oz/a		POST	A	203	74	237.0	231.0	240.0	216.0	226.0	230
ATRAZINE	4 L		64.0 oz/a		POST	A	303	77	233.0	244.0	235.0	235.0	224.0	234
COC			1.0 % v/v		POST	A	403	75	234.0	222.0	230.0	222.0	227.0	227
							Mean =	75	219.5	222.8	225.3	221.0	219.8	222
3 DKC 62-08							103	72	205.0	192.0	212.0	215.0	233.0	211
ACCENT	75 WG		1.34 oz/a		POST	A	204	78	221.0	221.0	221.0	201.0	210.0	215
ATRAZINE	4 L		64.0 oz/a		POST	A	304	77	233.0	234.0	245.0	212.0	210.0	227
COC			1.0 % v/v		POST	A	406	69	225.0	237.0	246.0	241.0	224.0	235
							Mean =	74	221.0	221.0	231.0	217.3	219.3	222
4 DKC 62-08							104	71	213.0	220.0	204.0	205.0	190.0	206
STEADFAST Q	37.7 WG		1.5 oz/a		POST	A	202	72	216.0	235.0	240.0	227.0	215.0	227
ATRAZINE	4 L		64.0 oz/a		POST	A	302	79	235.0	240.0	229.0	235.0	234.0	235
COC			1.0 % v/v		POST	A	405	70	185.0	212.0	216.0	214.0	224.0	210
							Mean =	73	212.3	226.8	222.3	220.3	215.8	219
5 DKC 62-08							105	63	171.0	190.0	187.0	198.0	185.0	186
STEADFAST Q	37.7 WG		3.0 oz/a		POST	A	205	71	185.0	189.0	183.0	186.0	200.0	189
ATRAZINE	4 L		64.0 oz/a		POST	A	301	73	210.0	232.0	221.0	230.0	230.0	225
COC			1.0 % v/v		POST	A	401	73	219.0	218.0	234.0	230.0	218.0	224
							Mean =	70	196.3	207.3	206.3	211.0	208.3	206
6 DKC 62-08							106	62	190.0	185.0	200.0	192.0	195.0	192
CAPRENO	3.45 SC		3.0 oz/a		POST	A	206	65	206.0	200.0	215.0	214.0	211.0	209
ATRAZINE	4 L		64.0 oz/a		POST	A	307	62	202.0	226.0	225.0	220.0	231.0	221
COC			1.0 % v/v		POST	A	404	75	210.0	221.0	214.0	215.0	219.0	216
							Mean =	66	202.0	208.0	213.5	210.3	214.0	210
7 DKC 62-08							107	57	204.0	215.0	210.0	195.0	202.0	205
CAPRENO	3.45 SC		6.0 oz/a		POST	A	201	70	190.0	196.0	209.0	203.0	210.0	202
ATRAZINE	4 L		64.0 oz/a		POST	A	305	71	205.0	185.0	179.0	202.0	195.0	193
COC			1.0 % v/v		POST	A	407	62	218.0	226.0	207.0	206.0	212.0	214
							Mean =	65	204.3	205.5	201.3	201.5	204.8	203
8 DKC 64-69							108	74	217.0	215.0	205.0	200.0	205.0	208
NTC							213	78	235.0	228.0	225.0	221.0	226.0	227
							313	72	244.0	243.0	245.0	234.0	231.0	239
							412	82	237.0	237.0	234.0	224.0	221.0	231
							Mean =	76	233.3	230.8	227.3	219.8	220.8	226
9 DKC 64-69							109	74	230.0	235.0	221.0	215.0	221.0	224
ACCENT	75 WG		0.67 oz/a		POST	A	208	82	226.0	235.0	235.0	227.0	221.0	229
ATRAZINE	4 L		64.0 oz/a		POST	A	309	80	234.0	215.0	229.0	232.0	235.0	229
COC			1.0 % v/v		POST	A	409	81	234.0	260.0	244.0	244.0	240.0	244
							Mean =	79	231.0	236.3	232.3	229.5	229.3	232
10 DKC 64-69							110	78	235.0	231.0	230.0	220.0	224.0	228
ACCENT	75 WG		1.34 oz/a		POST	A	214	76	255.0	240.0	241.0	282.0	245.0	253
ATRAZINE	4 L		64.0 oz/a		POST	A	312	82	226.0	221.0	217.0	213.0	218.0	219
COC			1.0 % v/v		POST	A	411	79	218.0	231.0	230.0	229.0	236.0	229
							Mean =	79	233.5	230.8	229.5	236.0	230.8	232
11 DKC 64-69							111	76	225.0	230.0	220.0	220.0	220.0	223
STEADFAST Q	37.7 WG		1.5 oz/a		POST	A	209	83	241.0	243.0	233.0	237.0	230.0	237
ATRAZINE	4 L		64.0 oz/a		POST	A	308	79	240.0	227.0	225.0	220.0	208.0	224
COC			1.0 % v/v		POST	A	413	68	227.0	239.0	240.0	210.0	255.0	234
							Mean =	76	233.3	234.8	229.5	221.8	228.3	230

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Weed Code						-----	-----	-----	-----	-----	-----			
Crop Code						ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA			
Part Rated						PLANT -	PLANT -	PLANT -	PLANT -	PLANT -	PLANT -			
Rating Data Type						AVG HGT	HGT-1	HGT-2	HGT-3	HGT-4	HGT-5			
Rating Unit						CM	CM	CM	CM	CM	CM			
Rating Date						May-1-15	Jun-4-15	Jun-4-15	Jun-4-15	Jun-4-15	Jun-4-15			
Trt-Eval Interval						24 DA-A	58 DA-A	58 DA-A	58 DA-A	58 DA-A	58 DA-A			
PRM Data Type						T1					T2			
# Subsamples, Dec.						- 0					- 0			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	Plot	8	9	10	11	12	13	14
12	DKC 64-69					112		71	200.0	191.0	191.0	202.0	200.0	197
	STEADFAST Q	37.7	WG	3.0 oz/a	POST A	211		84	224.0	227.0	236.0	240.0	281.0	242
	ATRAZINE	4	L	64.0 oz/a	POST A	314		67	222.0	224.0	230.0	225.0	205.0	221
	COC			1.0 % v/v	POST A	408		79	226.0	237.0	230.0	226.0	224.0	229
						Mean =		75	218.0	219.8	221.8	223.3	227.5	222
13	DKC 64-69					113		63	210.0	225.0	216.0	227.0	220.0	220
	CAPRENO	3.45	SC	3.0 oz/a	POST A	210		83	226.0	240.0	240.0	230.0	230.0	233
	ATRAZINE	4	L	64.0 oz/a	POST A	311		78	225.0	229.0	231.0	208.0	205.0	220
	COC			1.0 % v/v	POST A	410		75	229.0	235.0	246.0	221.0	232.0	233
						Mean =		75	222.5	232.3	233.3	221.5	221.8	226
14	DKC 64-69					114		68	196.0	220.0	225.0	226.0	230.0	219
	CAPRENO	3.45	SC	6.0 oz/a	POST A	212		78	220.0	201.0	210.0	205.0	207.0	209
	ATRAZINE	4	L	64.0 oz/a	POST A	310		78	232.0	242.0	227.0	238.0	213.0	230
	COC			1.0 % v/v	POST A	414		70	224.0	231.0	231.0	230.0	222.0	228
						Mean =		74	218.0	223.5	223.3	224.8	218.0	222

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Weed Code					-----	-----	-----	-----			
Crop Code					ZEAMA	ZEAMA	ZEAMA	ZEAMA			
Part Rated					PLOT -	PLOT -	PLOT -	PLOT -			
Rating Data Type					YIELD	MOISTURE	YIELD	YIELD			
Rating Unit					LBS/PLOT	PERCENT	BU/A	KG/HA			
Rating Date					Aug-14-15	Aug-14-15	Aug-14-15	Aug-14-15			
Trt-Eval Interval					129 DA-A	129 DA-A	129 DA-A	129 DA-A			
PRM Data Type							TY3	TY4			
# Subsamples, Dec.							- 0	- 0			
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Plot				
							15	16			
							17	18			
1	DKC 62-08						101	39.0	15.10	244	15305
	NTC						207	49.0	15.10	306	19230
							306	42.0	15.10	263	16483
							402	43.0	15.10	269	16875
							Mean =	43.3	15.10	270	16973
2	DKC 62-08						102	39.0	15.10	244	15305
	ACCENT	75	WG	0.67 oz/a	POST	A	203	41.0	15.10	256	16090
	ATRAZINE	4	L	64.0 oz/a	POST	A	303	40.0	15.10	250	15698
	COC			1.0 % v/v	POST	A	403	41.0	15.10	256	16090
							Mean =	40.3	15.10	252	15796
3	DKC 62-08						103	41.0	15.10	256	16090
	ACCENT	75	WG	1.34 oz/a	POST	A	204	42.0	15.10	263	16483
	ATRAZINE	4	L	64.0 oz/a	POST	A	304	43.0	15.10	269	16875
	COC			1.0 % v/v	POST	A	406	45.0	15.10	281	17660
							Mean =	42.8	15.10	267	16777
4	DKC 62-08						104	38.0	15.10	238	14913
	STEADFAST Q	37.7	WG	1.5 oz/a	POST	A	202	33.0	15.10	206	12951
	ATRAZINE	4	L	64.0 oz/a	POST	A	302	41.0	15.10	256	16090
	COC			1.0 % v/v	POST	A	405	41.0	15.10	256	16090
							Mean =	38.3	15.10	239	15011
5	DKC 62-08						105	35.0	15.10	219	13736
	STEADFAST Q	37.7	WG	3.0 oz/a	POST	A	205	39.0	15.10	244	15305
	ATRAZINE	4	L	64.0 oz/a	POST	A	301	38.0	15.10	238	14913
	COC			1.0 % v/v	POST	A	401	37.0	15.10	231	14520
							Mean =	37.3	15.10	233	14619
6	DKC 62-08						106	42.0	15.10	263	16483
	CAPRENO	3.45	SC	3.0 oz/a	POST	A	206	38.0	15.10	238	14913
	ATRAZINE	4	L	64.0 oz/a	POST	A	307	41.0	15.10	256	16090
	COC			1.0 % v/v	POST	A	404	38.0	15.10	238	14913
							Mean =	39.8	15.10	249	15600
7	DKC 62-08						107	44.0	15.10	275	17268
	CAPRENO	3.45	SC	6.0 oz/a	POST	A	201	34.0	15.10	213	13343
	ATRAZINE	4	L	64.0 oz/a	POST	A	305	37.0	15.10	231	14520
	COC			1.0 % v/v	POST	A	407	43.0	15.10	269	16875
							Mean =	39.5	15.10	247	15502
8	DKC 64-69						108	32.0	16.10	198	12410
	NTC						213	47.0	16.10	290	18228
							313	50.0	16.10	309	19391
							412	44.0	16.10	272	17064
							Mean =	43.3	16.10	267	16773
9	DKC 64-69						109	35.0	16.10	216	13574
	ACCENT	75	WG	0.67 oz/a	POST	A	208	40.0	16.10	247	15513
	ATRAZINE	4	L	64.0 oz/a	POST	A	309	41.0	16.10	253	15901
	COC			1.0 % v/v	POST	A	409	40.0	16.10	247	15513
							Mean =	39.0	16.10	241	15125
10	DKC 64-69						110	41.0	16.10	253	15901
	ACCENT	75	WG	1.34 oz/a	POST	A	214	50.0	16.10	309	19391
	ATRAZINE	4	L	64.0 oz/a	POST	A	312	41.0	16.10	253	15901
	COC			1.0 % v/v	POST	A	411	40.0	16.10	247	15513
							Mean =	43.0	16.10	266	16676
11	DKC 64-69						111	35.0	16.10	216	13574
	STEADFAST Q	37.7	WG	1.5 oz/a	POST	A	209	40.0	16.10	247	15513
	ATRAZINE	4	L	64.0 oz/a	POST	A	308	41.0	16.10	253	15901
	COC			1.0 % v/v	POST	A	413	45.0	16.10	278	17452
							Mean =	40.3	16.10	249	15610

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Weed Code						-----	-----	-----	-----		
Crop Code						ZEAMA	ZEAMA	ZEAMA	ZEAMA		
Part Rated						PLOT -	PLOT -	PLOT -	PLOT -		
Rating Data Type						YIELD	MOISTURE	YIELD	YIELD		
Rating Unit						LBS/PLOT	PERCENT	BU/A	KG/HA		
Rating Date						Aug-14-15	Aug-14-15	Aug-14-15	Aug-14-15		
Trt-Eval Interval						129 DA-A	129 DA-A	129 DA-A	129 DA-A		
PRM Data Type								TY3	TY4		
# Subsamples, Dec.								- 0	- 0		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	Plot	15	16	17	18
12	DKC 64-69					112		33.0	16.10	204	12798
	STEADFAST Q	37.7	WG	3.0 oz/a	POST A	211		41.0	16.10	253	15901
	ATRAZINE	4	L	64.0 oz/a	POST A	314		48.0	16.10	297	18616
	COC			1.0 % v/v	POST A	408		36.0	16.10	222	13962
						Mean =		39.5	16.10	244	15319
13	DKC 64-69					113		39.0	16.10	241	15125
	CAPRENO	3.45	SC	3.0 oz/a	POST A	210		36.0	16.10	222	13962
	ATRAZINE	4	L	64.0 oz/a	POST A	311		40.0	16.10	247	15513
	COC			1.0 % v/v	POST A	410		39.0	16.10	241	15125
						Mean =		38.5	16.10	238	14931
14	DKC 64-69					114		43.0	16.10	266	16676
	CAPRENO	3.45	SC	6.0 oz/a	POST A	212		37.0	16.10	229	14349
	ATRAZINE	4	L	64.0 oz/a	POST A	310		43.0	16.10	266	16676
	COC			1.0 % v/v	POST A	414		45.0	16.10	278	17452
						Mean =		42.0	16.10	260	16289

University of Georgia

DKC 62-08 AND DKC 64-69 RESPONSE TO ALS HERBICIDES

YEAR 2

Trial ID: CN-04-15 Study Dir.: O.W. CARTER
Location: PONDER FARM Investigator: Eric P. ProstkoPart Rated

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

PRM Data Type

$$T1 = ([3]+[4]+[5]+[6]+[7])/5$$

$$T2 = ([9]+[10]+[11]+[12]+[13])/5$$

$$TY3 = 6.222857*[15]*(100-[16])/84.5$$

$$TY4 = 390.5967*[15]*(100-[16])/84.5$$