



# University of Georgia

Reps: 4                      Plots: 6 by 30 feet  
 Spray vol: 15 GAL/AC                      Mix Size: 1.5 liters (.93853 liters calculated mix size)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	Amt Product to Measure	Rep 1	Rep 2	Rep 3	Rep 4
11	ROUNDUP P-MAX ATRAZINE DUAL MAGNUM NO PDIR	5.5 4	SL L	32.0 oz/a 64.0 oz/a	POST POST	A A	25.0 ml/mx 49.99 ml/mx 12.5 ml/mx	111	203	302	408
12	LAUDIS ATRAZINE MSO NO PDIR	3.5 4	SC L	3.0 oz/a 64.0 oz/a 1.0 % v/v	POST POST POST	A A A	2.343 ml/mx 49.99 ml/mx 15.0 ml/mx	112	205	306	404
13	HALEX GT ATRAZINE NIS NO PDIR	4.39 4	SC L	58.0 oz/a 64.0 oz/a 0.25 % v/v	POST POST POST	A A A	45.31 ml/mx 49.99 ml/mx 3.75 ml/mx	113	210	313	403
14	REVULIN Q ATRAZINE NIS NO PDIR	51.2 4	DG L	3.4 oz/a 64.0 oz/a 0.25 % v/v	POST POST POST	A A A	2.546 g/mx 49.99 ml/mx 3.75 ml/mx	114	213	316	410
15	CAPRENO ATRAZINE COC NO PDIR	3.45 4	SC L	3.0 oz/a 64.0 oz/a 1.0 % v/v	POST POST POST	A A A	2.343 ml/mx 49.99 ml/mx 15.0 ml/mx	115	217	315	411
16	NTC							116	206	307	405
17	NTC							101	209	310	417

Sort Order: Treatment

Trial Comments
<p>CAPRENO = TEMBOTRIONE + THIENCARBAZONE + ISOXADIFEN (SAFENER)                      REVULIN Q = MESOTRIONE + NICOSULFURON + ISOXADIFEN (SAFENER)                      HALEX GT = GLYPHOSATE + MESOTRIONE + S-MOC</p> <p>NIS = ADEPT                      MSO = MES 100                      COC = RELIABLE</p> <p>TRT 9 PDIR DID NOT GET EVIK</p> <p>MISSING DATA FOR PLOTS 111,112, 113, 417 DUE TO APPLICATOR ERROR.</p> <p>PDIR TRTS APPLIED BETWEEN ROWS WITH SPRAY REACHING 8" ON CORN STALK (~1/3 OF PLANT).</p> <p>NO WEEDS WERE IN NTC PLOTS AT THE TIME OF ANY APPLICATION.</p> <p><b><u>SUMMARY</u></b></p> <p>1) No interaction between POST and PDIR treatments occurred.</p> <p>2) When averaged over all PDIR treatments, there was no difference in Benghal dayflower counts between POST treatments.</p> <p>3) When averaged over all POST treatments, PDIR treatments significantly improved the control of dayflower (43-47% less dayflower plants/2 ft<sup>2</sup>). No difference in Benghal dayflower counts between Roundup P-Max + Evik + Dual Magnum and Capreno + Dual Magnum.</p>



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

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK					
Operating Pressure:	35	32					
Nozzle Type:	AIXR	DG					
Nozzle Size:	11002	11002					
Nozzle Spacing, Unit:	18	IN 18	IN				
Nozzles/Row:	2	2					
Band Width, Unit:	_____	_____	_____	_____	_____	_____	_____
Boom Length, Unit:	72	IN 36	IN				
Boom Height, Unit:	20	IN 18	IN				
Ground Speed, Unit:	3.5	MPH 3.5	MPH				
Incorporation Equip.:	_____	_____	_____	_____	_____	_____	_____
Hours to Incorp.:	_____	_____	_____	_____	_____	_____	_____
Incorp. Depth, Unit:	_____	_____	_____	_____	_____	_____	_____
Carrier:	WATER	WATER					
Spray Volume, Unit:	15	GPA 15	GPA				
Spray pH:	_____	_____	_____	_____	_____	_____	_____
Propellant:	CO2	CO2					
Tank Mix (Y/N):	_____	_____	_____	_____	_____	_____	_____

Trt No	Treatment Application Comment
_____	_____

# University of Georgia

## BENGHAL DAYFLOWER CONTROL IN FIELD CORN

Trial ID: CN-08-17      Study Dir.: JEREMY TAYLOR/MIKE NUGENT  
 Location: COFFEE COUNTY      Investigator: Eric P. Prostko

Weed Code						COMBE
Crop Code						-----
Rating Data Type						PLANTS
Rating Unit						2/FT2
Rating Date						Jun-15-17
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code
						1
TABLE OF R MEANS						
Replicate 1						13.4
Replicate 2						14.1
Replicate 3						18.2
Replicate 4						16.3
TABLE OF A (POST) MEANS						
1	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST A	15.3 a
1	ATRAZINE	4	L	64.0 oz/a	POST A	
1	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST A	
2	LAUDIS	3.5	SC	3.0 oz/a	POST A	17.4 a
2	ATRAZINE	4	L	64.0 oz/a	POST A	
2	MSO			1.0 % v/v	POST A	
3	HALEX GT	4.39	SC	58.0 oz/a	POST A	11.2 a
3	ATRAZINE	4	L	64.0 oz/a	POST A	
3	NIS			0.25 % v/v	POST A	
4	REVULIN Q	51.2	DG	3.4 oz/a	POST A	17.7 a
4	ATRAZINE	4	L	64.0 oz/a	POST A	
4	NIS			0.25 % v/v	POST A	
5	CAPRENO	3.45	SC	3.0 oz/a	POST A	16.1 a
5	ATRAZINE	4	L	64.0 oz/a	POST A	
5	COC			1.0 % v/v	POST A	
LSD P=.10						9.91
Standard Deviation						13.62
CV						87.81
TABLE OF B (PDIR) MEANS						
1	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PDIR B	12.7 b
1	EVIK	80	DG	2.0 lb/a	PDIR B	
1	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
2	CAPRENO	3.45	SC	3.0 oz/a	PDIR B	11.8 b
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
3						22.1 a
LSD P=.10						6.04
Standard Deviation						9.83
CV						63.38
TABLE OF A (POST) B (PDIR) MEANS						
1	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST A	15.3 a
1	ATRAZINE	4	L	64.0 oz/a	POST A	
1	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST A	
1	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PDIR B	
1	EVIK	80	DG	2.0 lb/a	PDIR B	
1	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
2	LAUDIS	3.5	SC	3.0 oz/a	POST A	15.5 a
2	ATRAZINE	4	L	64.0 oz/a	POST A	
2	MSO			1.0 % v/v	POST A	
1	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PDIR B	
1	EVIK	80	DG	2.0 lb/a	PDIR B	
1	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
3	HALEX GT	4.39	SC	58.0 oz/a	POST A	11.5 a
3	ATRAZINE	4	L	64.0 oz/a	POST A	
3	NIS			0.25 % v/v	POST A	
1	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PDIR B	
1	EVIK	80	DG	2.0 lb/a	PDIR B	
1	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

# University of Georgia

Weed Code						COMBE
Crop Code						-----
Rating Data Type						PLANTS
Rating Unit						2/FT2
Rating Date						Jun-15-17
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code
						1
4	REVULIN Q	51.2	DG	3.4 oz/a	POST A	12.5 a
4	ATRAZINE	4	L	64.0 oz/a	POST A	
4	NIS			0.25 % v/v	POST A	
1	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PDIR B	
1	EVIK	80	DG	2.0 lb/a	PDIR B	
1	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
5	CAPRENO	3.45	SC	3.0 oz/a	POST A	8.8 a
5	ATRAZINE	4	L	64.0 oz/a	POST A	
5	COC			1.0 % v/v	POST A	
1	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PDIR B	
1	EVIK	80	DG	2.0 lb/a	PDIR B	
1	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
1	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST A	14.3 a
1	ATRAZINE	4	L	64.0 oz/a	POST A	
1	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST A	
2	CAPRENO	3.45	SC	3.0 oz/a	PDIR B	
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
2	LAUDIS	3.5	SC	3.0 oz/a	POST A	9.3 a
2	ATRAZINE	4	L	64.0 oz/a	POST A	
2	MSO			1.0 % v/v	POST A	
2	CAPRENO	3.45	SC	3.0 oz/a	PDIR B	
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
3	HALEX GT	4.39	SC	58.0 oz/a	POST A	8.0 a
3	ATRAZINE	4	L	64.0 oz/a	POST A	
3	NIS			0.25 % v/v	POST A	
2	CAPRENO	3.45	SC	3.0 oz/a	PDIR B	
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
4	REVULIN Q	51.2	DG	3.4 oz/a	POST A	10.3 a
4	ATRAZINE	4	L	64.0 oz/a	POST A	
4	NIS			0.25 % v/v	POST A	
2	CAPRENO	3.45	SC	3.0 oz/a	PDIR B	
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
5	CAPRENO	3.45	SC	3.0 oz/a	POST A	17.0 a
5	ATRAZINE	4	L	64.0 oz/a	POST A	
5	COC			1.0 % v/v	POST A	
2	CAPRENO	3.45	SC	3.0 oz/a	PDIR B	
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
1	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST A	16.3 a
1	ATRAZINE	4	L	64.0 oz/a	POST A	
1	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST A	
3						
2	LAUDIS	3.5	SC	3.0 oz/a	POST A	27.3 a
2	ATRAZINE	4	L	64.0 oz/a	POST A	
2	MSO			1.0 % v/v	POST A	
3						
3	HALEX GT	4.39	SC	58.0 oz/a	POST A	14.0 a
3	ATRAZINE	4	L	64.0 oz/a	POST A	
3	NIS			0.25 % v/v	POST A	
3						
4	REVULIN Q	51.2	DG	3.4 oz/a	POST A	30.3 a
4	ATRAZINE	4	L	64.0 oz/a	POST A	
4	NIS			0.25 % v/v	POST A	
3						
5	CAPRENO	3.45	SC	3.0 oz/a	POST A	22.5 a
5	ATRAZINE	4	L	64.0 oz/a	POST A	
5	COC			1.0 % v/v	POST A	
3						
LSD P=.10						15.79
Standard Deviation						12.98
CV						83.68

Means followed by same letter or symbol 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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COMPLETE FACTORIAL AOV For COMBE ----- PLANTS 2/FT2 Jun-15-17 (Data Column 1) Missing values in column 1 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	56	8985.214815				
R	3	213.955556	71.318519	0.423	0.7382	
A	4	327.900000	81.975000	0.442	0.7763	9.9
RA	12	2226.322222	185.526852			
B	2	1304.848148	652.424074	6.751	0.0291	6.0
RB	6	579.877778	96.646296			
AB	8	794.633333	99.329167	0.590	0.7754	15.8
RAB	21	3537.677778	168.460847			

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)  
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## BENGHAL DAYFLOWER CONTROL IN FIELD CORN

Trial ID: CN-08-17      Study Dir.: JEREMY TAYLOR/MIKE NUGENT  
 Location: COFFEE COUNTY      Investigator: Eric P. Prostko

Weed Code						COMBE
Crop Code						----
Rating Data Type						PLANTS
Rating Unit						2/FT2
Rating Date						Jun-15-17
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code Plot
						1
1	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST A	117 0.0
	ATRAZINE	4	L	64.0 oz/a	POST A	204 8.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST A	314 34.0
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PDIR B	412 19.0
	EVIK	80	DG	2.0 lb/a	PDIR B	
	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
					Mean =	15.3
2	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST A	102 33.0
	ATRAZINE	4	L	64.0 oz/a	POST A	216 0.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST A	303 3.0
	CAPRENO	3.45	SC	3.0 oz/a	PDIR B	415 21.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
					Mean =	14.3
3	LAUDIS	3.5	SC	3.0 oz/a	POST A	103 13.0
	ATRAZINE	4	L	64.0 oz/a	POST A	215 15.0
	MSO			1.0 % v/v	POST A	317 3.0
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PDIR B	407 31.0
	EVIK	80	DG	2.0 lb/a	PDIR B	
	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
					Mean =	15.5
4	LAUDIS	3.5	SC	3.0 oz/a	POST A	104 9.0
	ATRAZINE	4	L	64.0 oz/a	POST A	208 0.0
	MSO			1.0 % v/v	POST A	309 9.0
	CAPRENO	3.45	SC	3.0 oz/a	PDIR B	413 19.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
					Mean =	9.3
5	HALEX GT	4.39	SC	58.0 oz/a	POST A	105 9.0
	ATRAZINE	4	L	64.0 oz/a	POST A	202 7.0
	NIS			0.25 % v/v	POST A	311 9.0
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PDIR B	414 21.0
	EVIK	80	DG	2.0 lb/a	PDIR B	
	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
					Mean =	11.5
6	HALEX GT	4.39	SC	58.0 oz/a	POST A	106 5.0
	ATRAZINE	4	L	64.0 oz/a	POST A	211 4.0
	NIS			0.25 % v/v	POST A	308 19.0
	CAPRENO	3.45	SC	3.0 oz/a	PDIR B	401 4.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
					Mean =	8.0
7	REVULIN Q	51.2	DG	3.4 oz/a	POST A	107 15.0
	ATRAZINE	4	L	64.0 oz/a	POST A	201 20.0
	NIS			0.25 % v/v	POST A	305 4.0
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PDIR B	402 11.0
	EVIK	80	DG	2.0 lb/a	PDIR B	
	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
					Mean =	12.5
8	REVULIN Q	51.2	DG	3.4 oz/a	POST A	108 6.0
	ATRAZINE	4	L	64.0 oz/a	POST A	212 17.0
	NIS			0.25 % v/v	POST A	304 14.0
	CAPRENO	3.45	SC	3.0 oz/a	PDIR B	416 4.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
					Mean =	10.3
9	CAPRENO	3.45	SC	3.0 oz/a	POST A	109 18.0
	ATRAZINE	4	L	64.0 oz/a	POST A	207 10.0
	COC			1.0 % v/v	POST A	312 7.0
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PDIR B	409 0.0
	EVIK	80	DG	2.0 lb/a	PDIR B	
	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
					Mean =	8.8

# University of Georgia

Weed Code						COMBE
Crop Code						-----
Rating Data Type						PLANTS
Rating Unit						2/FT2
Rating Date						Jun-15-17
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code Plot
						1
10	CAPRENO	3.45	SC	3.0 oz/a	POST A	110 17.0
	ATRAZINE	4	L	64.0 oz/a	POST A	214 11.0
	COC			1.0 % v/v	POST A	301 26.0
	CAPRENO	3.45	SC	3.0 oz/a	PDIR B	406 14.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	PDIR B	
						Mean = 17.0
11	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST A	111 .
	ATRAZINE	4	L	64.0 oz/a	POST A	203 22.0
	DUAL MAGNUM	7.62	EC	16.0 oz/a	POST A	302 13.0
	NO PDIR				B	408 14.0
						Mean = 16.3
12	LAUDIS	3.5	SC	3.0 oz/a	POST A	112 .
	ATRAZINE	4	L	64.0 oz/a	POST A	205 19.0
	MSO			1.0 % v/v	POST A	306 34.0
	NO PDIR				B	404 29.0
						Mean = 27.3
13	HALEX GT	4.39	SC	58.0 oz/a	POST A	113 .
	ATRAZINE	4	L	64.0 oz/a	POST A	210 11.0
	NIS			0.25 % v/v	POST A	313 20.0
	NO PDIR				B	403 11.0
						Mean = 14.0
14	REVULIN Q	51.2	DG	3.4 oz/a	POST A	114 11.0
	ATRAZINE	4	L	64.0 oz/a	POST A	213 67.0
	NIS			0.25 % v/v	POST A	316 32.0
	NO PDIR				B	410 11.0
						Mean = 30.3
15	CAPRENO	3.45	SC	3.0 oz/a	POST A	115 8.0
	ATRAZINE	4	L	64.0 oz/a	POST A	217 0.0
	COC			1.0 % v/v	POST A	315 46.0
	NO PDIR				B	411 36.0
						Mean = 22.5
16	NTC					116 1.0
						206 24.0
						307 52.0
						405 23.0
						Mean = 25.0
17	NTC					101 19.0
						209 17.0
						310 0.0
						417 .
						Mean = 12.0