

# University of Georgia

## Weed and crop response to 3-WAY and DMDS plus herbicides.

Trial ID: Veg28-08  
Location: Ponder farm

Study Dir.: Stanley Culpepper  
Investigator: Stanley Culpepper

Reps: 3                      Plots: 3 by 20 feet  
Spray vol: 25 gal/ac              Mix size: 3 liters (min .39105)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Form Rate	Rate Unit	Grow Stg	Appl Code	Amt to Measure	Product	Plot No. 1	Plot No. 2	Plot No. 3
1	3 WAY Eptam	7		L	3	PT/A	UN	Mulch	A	45.0 ml/mx	101	205	305
2	3 WAY Dual Magnum	7.64		L	12	OZ/A	UN	Mulch	A	11.25 ml/mx	102	206	301
3	3 WAY Reflex	2		L	16	OZ/A	Un	Mulch	A	15.0 ml/mx	103	204	302
4	3 WAY Eptam Dual Magnum	7 7.64		L L	3 12	PT/A OZ/A	UN	Mulch	A	45.0 ml/mx 11.25 ml/mx	104	201	303
5	3 WAY Eptam Reflex	7 2		L L	3 16	PT/A OZ/A	UN	Mulch	A	45.0 ml/mx 15.0 ml/mx	105	203	304
6	3 WAY Dual Magnum Reflex	7.64 2		L L	12 16	OZ/A OZ/A	UN	Mulch	A	11.25 ml/mx 15.0 ml/mx	106	202	306
7	DMDS 50 G Eptam	7		L	3	PT/A	UN	Mulch	A	45.0 ml/mx	107	207	310
8	DMDS 50 G Dual Magnum	7.64		L	12	OZ/A	UN	Mulch	A	11.25 ml/mx	108	208	307
9	DMDS 50 G Reflex	2		L	16	OZ/A	Un	Mulch	A	15.0 ml/mx	109	211	309
10	DMDS 50 G Eptam Dual Magnum	7 7.64		L L	3 12	PT/A OZ/A	UN	Mulch	A	45.0 ml/mx 11.25 ml/mx	110	209	311
11	DMDS 50 G Eptam Reflex	7 2		L L	3 16	PT/A OZ/A	UN	Mulch	A	45.0 ml/mx 15.0 ml/mx	111	212	312
12	DMDS 50 G Dual Magnum Reflex	7.64 2		L L	12 16	OZ/A OZ/A	UN	Mulch	A	11.25 ml/mx 15.0 ml/mx	112	210	308

Sort Order: Treatment

Product quantities required for listed treatments and applications in one trial:

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
337.464	ml	Eptam	7	L	
84.375	ml	Dual Magnum	7.64	L	
112.500	ml	Reflex	2	L	

\* 'Per area' calculations based on spray volume= 25 gal/ac, mix size= 3 liters (mix size basis).

\* Product amount calculations increased 25 % for overage adjustment.

# University of Georgia

## Weed and crop response to 3-WAY and DMDS plus herbicides.

Trial ID: Veg28-08  
Location: Ponder farm

Study Dir.: Stanley Culpepper  
Investigator: Stanley Culpepper

### Trial Comments

**OBJECTIVES:** Determine crop tolerance of pepper and cucumber to herbicides applied under mulch.

#### PEPPER RESPONSE:

1. Visual pepper injury was 5% or less throughout the season with all treatments.
2. Pepper heights (10 plants/row) during late August and early Sept. noted herbicides did not impact pepper growth.
3. Pepper were harvested 5 times for Jumbo fruit. No differences in yields were noted when adding all harvest. There did tend to be a slight delay in fruit maturity when pepper were treated with Dual Magnum.

#### CUCUMBER RESPONSE:

1. Severe visual injury was noted with all plots using Reflex. Eptam plus Dual under VIF mulch also caused severe injury. The only system without injury was when Eptam was applied under LDPE mulch.
2. Cucumber heights (10 plants/plot) during late August and early Sept. noted severe stunting from all treatments compared to Eptam under LDPE mulch which was not visually injured.
3. Cucumber yields (12 harvest dates) noted that yields were reduced by all treatments when compared to Eptam under LDPE mulch which was not visually injured.

#### BROCCOLI RESPONSE:

1. After the fall trial was concluded, broccoli was transplanted into the same plots on 10-29-08. Broccoli was transplanted into either the old plant hole or into a newly poked plant hole.
2. In plots treated with Reflex, injury was often 2 to 3 times greater when planted into a newly poked hole and injury was severe. Stunting from Eptam or Dual was minor to non-existent.

#### WEED RESPONSE:

##### Yellow nutsedge:

1. A very light population was present. Control by all DMDS systems was excellent. In the 3-WAY, control was greater than 90% only when Reflex was used.

##### Texas panicum (# of plants per plant hole were counted):

1. All systems in the 3-WAY provided excellent control. In the DMDS system, Eptam + Dual provided the greatest level of control.

#### GENERAL COMMENTS:

1. LDPE mulch was used with the 3-WAY while VIF mulch was used with DMDS.
2. A bed treated with MIDAS was laid on each side of the trial and was used as the comparison as Culpepper was really just developing ideas for future research with this study.

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Weed and crop response to 3-WAY and DMDS plus herbicides.

Trial ID: Veg28-08  
Location: Ponder farm

Study Dir.: Stanley Culpepper  
Investigator: Stanley Culpepper

Weed Code	CPSAN	CPSAN	CUMSA	CUMSA	CYPES	PANTE	Old Hole	New Hole		
Crop Code						counts	BRSOK	BRSOK		
Part Rated										
Rating Data Type	injury	injury	injury	injury	control	# plants	injury	injury		
Rating Unit	percent	percent	percent	percent	percent	per hole	percent	percent		
Rating Date	Aug-30-08	Sep-24-08	Aug-30-08	Sep-24-08	Aug-30-08	Aug-30-08	Nov-24-08	Nov-24-08		
Assessed By	SC	SC	SC	SC	SC	SC	SC	SC		
Trt-Eval Interval	44 DA-A	69 DA-A	44 DA-A	69 DA-A	44 DA-A	44 DA-A	130 DA-A	130 DA-A		
ARM Action Codes										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
		Unit								
			1	2	3	4	5	6		
			7	8						
1	3 WAY Eptam	3 PT/A	5 a	3 a	0 d	0 e	90 ab	0 b	3 cd	5 b
2	3 WAY Dual Magnum	12 OZ/A	3 a	5 a	13 c	4 e	83 b	0 b	0 d	4 b
3	3 WAY Reflex	16 OZ/A	0 a	0 a	38 ab	30 a	94 a	0 b	13 abc	32 a
4	3 WAY Eptam Dual Magnum	3 PT/A 12 OZ/A	2 a	3 a	15 c	0 e	89 ab	0 b	6 bcd	4 b
5	3 WAY Eptam Reflex	3 PT/A 16 OZ/A	0 a	5 a	40 ab	25 ab	91 ab	0 b	17 a	33 a
6	3 WAY Dual Magnum Reflex	12 OZ/A 16 OZ/A	0 a	5 a	30 b	27 ab	94 a	0 b	12 abc	31 a
7	DMDS 50 G Eptam	3 PT/A	0 a	0 a	10 cd	13 cd	99 a	10 a	6 bcd	5 b
8	DMDS 50 G Dual Magnum	12 OZ/A	3 a	3 a	14 c	7 de	99 a	6 ab	3 cd	4 b
9	DMDS 50 G Reflex	16 OZ/A	0 a	0 a	48 a	32 a	98 a	9 a	10 abc	35 a
10	DMDS 50 G Eptam Dual Magnum	3 PT/A 12 OZ/A	0 a	3 a	30 b	14 cd	99 a	2 b	6 bcd	5 b
11	DMDS 50 G Eptam Reflex	3 PT/A 16 OZ/A	0 a	2 a	37 ab	20 bc	99 a	8 a	12 abc	30 a
12	DMDS 50 G Dual Magnum Reflex	12 OZ/A 16 OZ/A	0 a	0 a	35 ab	20 bc	99 a	6 ab	13 ab	42 a
LSD (P=.05)			5.2	8.2	12.3	8.0	9.2	5.2	8.2	11.9
Standard Deviation			3.1	4.8	7.3	4.7	5.4	3.1	4.8	7.0
CV			278.8	193.84	28.03	29.6	5.72	93.89	57.03	36.45
Bartlett's X2			1.989	3.886	12.572	13.072	11.398	5.382	11.002	13.518
P(Bartlett's X2)			0.575	0.793	0.127	0.159	0.077	0.371	0.357	0.06

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

## University of Georgia

Weed Code	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8			
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN			
Part Rated	left	left	left	left	left	left	left	left			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08			
Assessed By											
Trt-Eval Interval	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	10	11	12	13	14	15	16	17
1	3 WAY Eptam	3	PT/A	18 a	20 a	21 a	19 a	20 abc	19 ab	18 a	19 a
2	3 WAY Dual Magnum	12	OZ/A	18 a	20 a	19 a	19 a	17 bc	17 b	19 a	19 a
3	3 WAY Reflex	16	OZ/A	20 a	20 a	19 a	18 a	17 bc	17 b	18 a	20 a
4	3 WAY Eptam Dual Magnum	3	PT/A	19 a	18 a	20 a	19 a	19 abc	19 ab	20 a	19 a
5	3 WAY Eptam Reflex	3	PT/A	19 a	18 a	18 a	21 a	22 ab	20 ab	19 a	22 a
6	3 WAY Dual Magnum Reflex	12	OZ/A	23 a	20 a	19 a	21 a	22 ab	21 ab	20 a	18 a
7	DMDS 50 G Eptam	3	PT/A	20 a	18 a	20 a	21 a	19 abc	18 ab	21 a	23 a
8	DMDS 50 G Dual Magnum	12	OZ/A	17 a	19 a	20 a	21 a	21 ab	21 ab	19 a	19 a
9	DMDS 50 G Reflex	16	OZ/A	21 a	19 a	22 a	20 a	21 abc	23 a	19 a	23 a
10	DMDS 50 G Eptam Dual Magnum	3	PT/A	18 a	16 a	21 a	20 a	20 abc	19 ab	21 a	20 a
11	DMDS 50 G Eptam Reflex	3	PT/A	20 a	20 a	20 a	20 a	22 a	21 ab	19 a	23 a
12	DMDS 50 G Dual Magnum Reflex	12	OZ/A	20 a	20 a	19 a	20 a	17 c	19 ab	21 a	19 a
LSD (P=.05)				5.6	5.9	4.0	5.5	3.9	4.7	4.6	5.0
Standard Deviation				3.3	3.5	2.4	3.2	2.3	2.8	2.7	2.9
CV				16.95	18.21	11.93	16.23	11.64	14.23	13.91	14.43
Bartlett's X2				12.301	7.07	8.544	9.08	12.199	6.625	4.003	6.408
P(Bartlett's X2)				0.341	0.793	0.664	0.615	0.349	0.829	0.947	0.845

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

# University of Georgia

Weed Code	plant 9 CPSAN	plant 10 CPSAN	plant av CPSAN	plant 1 CPSAN	plant 2 CPSAN	plant 3 CPSAN	plant 4 CPSAN	plant 5 CPSAN
Crop Code								
Part Rated	left	left	left	right	right	right	right	right
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08
Assessed By								
Trt-Eval Interval	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A
ARM Action Codes			T1					
Trt No.	18	19	20	22	23	24	25	26
Treatment Name								
Rate								
Rate Unit								
1 3 WAY Eptam 3 PT/A	18 b	19 a	19 a	18 a	17 c	21 a	20 ab	19 b
2 3 WAY Dual Magnum 12 OZ/A	17 b	18 a	18 a	20 a	20 abc	18 a	21 ab	22 ab
3 3 WAY Reflex 16 OZ/A	18 b	17 a	19 a	19 a	19 bc	21 a	17 b	20 ab
4 3 WAY Eptam Dual Magnum 3 PT/A 12 OZ/A	21 ab	21 a	20 a	21 a	22 ab	20 a	21 ab	19 b
5 3 WAY Eptam Reflex 3 PT/A 16 OZ/A	17 b	22 a	20 a	19 a	21 ab	21 a	21 ab	21 ab
6 3 WAY Dual Magnum Reflex 12 OZ/A 16 OZ/A	21 ab	22 a	21 a	20 a	20 abc	23 a	21 ab	23 ab
7 DMDS 50 G Eptam 3 PT/A	22 ab	21 a	20 a	22 a	23 ab	22 a	23 a	24 a
8 DMDS 50 G Dual Magnum 12 OZ/A	19 ab	20 a	20 a	19 a	20 bc	20 a	23 a	23 ab
9 DMDS 50 G Reflex 16 OZ/A	23 a	19 a	21 a	23 a	19 bc	22 a	22 a	21 ab
10 DMDS 50 G Eptam Dual Magnum 3 PT/A 12 OZ/A	19 ab	20 a	20 a	20 a	20 bc	22 a	21 ab	21 ab
11 DMDS 50 G Eptam Reflex 3 PT/A 16 OZ/A	22 ab	21 a	21 a	21 a	20 bc	23 a	21 ab	20 ab
12 DMDS 50 G Dual Magnum Reflex 12 OZ/A 16 OZ/A	20 ab	20 a	20 a	20 a	24 a	22 a	21 ab	20 ab
LSD (P=.05)	4.4	4.6	2.4	4.1	3.9	5.5	4.5	4.4
Standard Deviation	2.6	2.7	1.4	2.4	2.3	3.2	2.6	2.6
CV	13.23	13.63	7.12	12.07	11.28	15.17	12.56	12.42
Bartlett's X2	7.942	10.004	17.223	4.085	8.839	8.153	6.066	9.341
P(Bartlett's X2)	0.718	0.44	0.101	0.943	0.637	0.70	0.81	0.59

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Column 19: T1 = @AVG([C10].[C19])

## University of Georgia

Weed Code	plant 6	plant 7	plant 8	plant 9	plant 10	plant av	plant 1	plant 2		
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN		
Part Rated	right	right	right	right	right	right	left	left		
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht		
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm		
Rating Date	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08	Sep-04-08	Sep-04-08		
Assessed By										
Trt-Eval Interval	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	49 DA-A		
ARM Action Codes						T2				
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
		Unit								
1	3 WAY Eptam	3 PT/A	21 bc	21 ab	19 de	19 a	20 abc	19 bc	24 a	22 a
2	3 WAY Dual Magnum	12 OZ/A	20 bc	19 b	19 de	18 a	18 c	19 bc	27 a	27 a
3	3 WAY Reflex	16 OZ/A	18 c	18 b	19 cde	18 a	20 abc	19 c	26 a	22 a
4	3 WAY Eptam Dual Magnum	3 PT/A 12 OZ/A	20 bc	21 ab	21 abc	21 a	20 abc	21 abc	26 a	25 a
5	3 WAY Eptam Reflex	3 PT/A 16 OZ/A	20 bc	20 b	18 e	20 a	19 bc	20 bc	25 a	26 a
6	3 WAY Dual Magnum Reflex	12 OZ/A 16 OZ/A	19 bc	18 b	20 b-e	22 a	20 abc	21 abc	28 a	27 a
7	DMDS 50 G Eptam	3 PT/A	26 a	25 a	22 a	21 a	19 abc	23 a	27 a	28 a
8	DMDS 50 G Dual Magnum	12 OZ/A	22 b	22 ab	19 b-e	21 a	23 a	21 ab	23 a	24 a
9	DMDS 50 G Reflex	16 OZ/A	21 bc	21 ab	22 ab	23 a	21 abc	22 ab	27 a	27 a
10	DMDS 50 G Eptam Dual Magnum	3 PT/A 12 OZ/A	20 bc	23 ab	20 a-d	21 a	22 abc	21 abc	24 a	27 a
11	DMDS 50 G Eptam Reflex	3 PT/A 16 OZ/A	21 bc	19 b	21 a-d	21 a	21 abc	21 abc	26 a	28 a
12	DMDS 50 G Dual Magnum Reflex	12 OZ/A 16 OZ/A	22 bc	20 b	19 b-e	22 a	23 ab	21 ab	24 a	28 a
LSD (P=.05)			3.5	4.4	2.2	4.7	3.6	2.1	6.4	7.3
Standard Deviation			2.1	2.6	1.3	2.8	2.1	1.2	3.8	4.3
CV			9.9	12.64	6.38	13.57	10.45	6.03	14.8	16.6
Bartlett's X2			8.592	9.531	9.881	11.59	11.507	7.678	11.289	7.104
P(Bartlett's X2)			0.659	0.573	0.541	0.395	0.402	0.742	0.419	0.791

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Column 30: T2 = @AVG([C22],[C31])

# University of Georgia

Weed Code	plant 3 CPSAN	plant 4 CPSAN	plant 5 CPSAN	plant 6 CPSAN	plant 7 CPSAN	plant 8 CPSAN	plant 9 CPSAN	plant 10 CPSAN			
Crop Code	left	left	left	left	left	left	left	left			
Part Rated	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Data Type	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Unit	Sep-04-08	Sep-04-08	Sep-04-08	Sep-04-08	Sep-04-08	Sep-04-08	Sep-04-08	Sep-04-08			
Rating Date	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A			
Assessed By											
Trt-Eval Interval											
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	36	37	38	39	40	41	42	43
1	3 WAY Eptam	3	PT/A	25 ab	28 ab	25 a	26 abc	25 abc	28 a	24 a	27 a-d
2	3 WAY Dual Magnum	12	OZ/A	24 ab	25 ab	26 a	26 abc	24 abc	26 a	23 a	29 ab
3	3 WAY Reflex	16	OZ/A	25 ab	23 b	24 a	22 c	22 c	25 a	24 a	24 d
4	3 WAY Eptam Dual Magnum	3 12	PT/A OZ/A	26 ab	26 ab	26 a	24 bc	27 abc	26 a	20 a	27 bcd
5	3 WAY Eptam Reflex	3 16	PT/A OZ/A	25 ab	26 ab	29 a	26 bc	28 a	24 a	26 a	25 cd
6	3 WAY Dual Magnum Reflex	12 16	OZ/A OZ/A	24 ab	26 ab	29 a	27 abc	28 ab	26 a	27 a	27 bcd
7	DMDS 50 G Eptam	3	PT/A	26 ab	31 a	23 a	27 abc	26 abc	30 a	26 a	30 ab
8	DMDS 50 G Dual Magnum	12	OZ/A	23 b	25 ab	27 a	30 ab	25 abc	29 a	24 a	30 ab
9	DMDS 50 G Reflex	16	OZ/A	27 ab	29 ab	26 a	32 a	28 a	27 a	24 a	31 a
10	DMDS 50 G Eptam Dual Magnum	3 12	PT/A OZ/A	24 ab	28 ab	25 a	27 abc	26 abc	25 a	24 a	28 abc
11	DMDS 50 G Eptam Reflex	3 16	PT/A OZ/A	26 ab	29 ab	26 a	27 abc	25 abc	25 a	22 a	25 cd
12	DMDS 50 G Dual Magnum Reflex	12 16	OZ/A OZ/A	29 a	30 a	24 a	24 c	23 bc	29 a	26 a	26 bcd
LSD (P=.05)		4.9		5.4	5.4	5.4	5.3	4.2	6.5	8.1	3.2
Standard Deviation		2.9		3.2	3.2	3.2	3.2	2.5	3.9	4.8	1.9
CV		11.4		11.75	12.32	12.32	11.84	9.62	14.53	19.65	6.86
Bartlett's X2		33.303		10.119	11.655	11.655	9.942	8.349	10.223	23.747	9.959
P(Bartlett's X2)		0.001*		0.52	0.39	0.39	0.536	0.682	0.51	0.014*	0.534

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

## University of Georgia

Weed Code	plant av	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7			
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN			
Part Rated	left	right	right	right	right	right	right	right			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Sep-04-08	Sep-04-08	Sep-04-08	Sep-04-08	Sep-04-08	Sep-04-08	Sep-04-08	Sep-04-08			
Assessed By											
Trt-Eval Interval	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A			
ARM Action Codes	T3										
Trt No.	Treatment Name	Rate	Unit	44	46	47	48	49	50	51	52
1	3 WAY Eptam	3	PT/A	25 ab	26 a	26 a	23 b	24 a	26 abc	27 b	21 a
2	3 WAY Dual Magnum	12	OZ/A	26 ab	24 a	26 a	25 ab	23 a	25 bc	25 b	24 a
3	3 WAY Reflex	16	OZ/A	24 b	25 a	24 a	24 b	23 a	24 c	26 b	22 a
4	3 WAY Eptam Dual Magnum	3 12	PT/A OZ/A	25 ab	26 a	24 a	26 ab	22 a	23 c	25 b	27 a
5	3 WAY Eptam Reflex	3 16	PT/A OZ/A	26 ab	25 a	26 a	24 b	24 a	27 abc	26 b	24 a
6	3 WAY Dual Magnum Reflex	12 16	OZ/A OZ/A	27 ab	25 a	24 a	27 ab	25 a	29 ab	16 b	28 a
7	DMDS 50 G Eptam	3	PT/A	27 a	26 a	29 a	26 ab	20 a	25 bc	25 b	24 a
8	DMDS 50 G Dual Magnum	12	OZ/A	26 ab	24 a	26 a	25 ab	26 a	27 abc	25 b	26 a
9	DMDS 50 G Reflex	16	OZ/A	28 a	25 a	30 a	29 a	31 a	30 a	114 a	22 a
10	DMDS 50 G Eptam Dual Magnum	3 12	PT/A OZ/A	26 ab	26 a	28 a	25 ab	26 a	25 bc	27 b	24 a
11	DMDS 50 G Eptam Reflex	3 16	PT/A OZ/A	26 ab	26 a	25 a	26 ab	28 a	26 abc	26 b	25 a
12	DMDS 50 G Dual Magnum Reflex	12 16	OZ/A OZ/A	26 ab	25 a	25 a	26 ab	26 a	26 abc	26 b	26 a
LSD (P=.05)				2.6	4.9	5.8	3.9	11.2	4.2	75.2	10.3
Standard Deviation				1.5	2.9	3.4	2.3	6.6	2.5	44.4	6.1
CV				5.94	11.48	13.22	9.01	26.53	9.52	137.9	24.7
Bartlett's X2				5.403	16.344	8.364	6.632	22.966	13.657	96.241	18.386
P(Bartlett's X2)				0.91	0.09	0.68	0.828	0.018*	0.253	0.001*	0.073

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Column 41: T3 = @AVG([C34].[C43])



# University of Georgia

Weed Code	plant 8	plant 9	plant 10	plant av	plant 1	plant 2	plant 3	plant 4		
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CUMSA	CUMSA	CUMSA	CUMSA		
Part Rated	right	right	right	right						
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht		
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm		
Rating Date	Sep-04-08	Sep-04-08	Sep-04-08	Sep-04-08	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08		
Assessed By										
Trt-Eval Interval	49 DA-A	49 DA-A	49 DA-A	49 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A		
ARM Action Codes				T4						
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
		Unit	Unit	Unit	Unit	Unit	Unit	Unit		
		53	54	55	56	58	59	60		
1	3 WAY Eptam	3 PT/A	26 ab	25 a	27 a	25 b	43 a	42 a	39 a	36 a
2	3 WAY Dual Magnum	12 OZ/A	22 b	26 a	26 a	25 b	31 ab	37 ab	36 ab	32 a
3	3 WAY Reflex	16 OZ/A	26 ab	26 a	26 a	24 b	27 b	25 bc	28 abc	26 ab
4	3 WAY Eptam Dual Magnum	3 PT/A 12 OZ/A	27 ab	19 a	23 a	24 b	29 ab	30 ab	30 abc	31 a
5	3 WAY Eptam Reflex	3 PT/A 16 OZ/A	29 ab	22 a	21 a	25 b	26 b	25 bc	23 abc	25 abc
6	3 WAY Dual Magnum Reflex	12 OZ/A 16 OZ/A	26 ab	26 a	27 a	25 b	30 ab	35 ab	35 ab	34 a
7	DMDS 50 G Eptam	3 PT/A	25 ab	25 a	27 a	25 b	26 b	25 bc	19 bc	28 ab
8	DMDS 50 G Dual Magnum	12 OZ/A	29 ab	26 a	27 a	26 b	30 ab	31 ab	24 abc	37 a
9	DMDS 50 G Reflex	16 OZ/A	22 b	28 a	25 a	36 a	29 ab	26 bc	25 abc	13 c
10	DMDS 50 G Eptam Dual Magnum	3 PT/A 12 OZ/A	29 a	26 a	29 a	27 b	31 ab	26 bc	33 ab	15 bc
11	DMDS 50 G Eptam Reflex	3 PT/A 16 OZ/A	26 ab	28 a	26 a	26 b	26 b	29 ab	14 c	27 ab
12	DMDS 50 G Dual Magnum Reflex	12 OZ/A 16 OZ/A	29 ab	30 a	28 a	27 b	26 b	14 c	25 abc	16 bc
LSD (P=.05)			5.8	10.6	7.7	6.9	13.3	12.4	15.1	11.9
Standard Deviation			3.5	6.2	4.5	4.1	7.9	7.3	8.9	7.1
CV			13.08	24.5	17.41	15.61	26.65	25.45	32.13	26.55
Bartlett's X2			12.525	15.589	17.396	41.047	11.268	14.706	14.335	17.963
P(Bartlett's X2)			0.325	0.157	0.097	0.001*	0.421	0.196	0.215	0.082

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Column 52: T4 = @AVG([C46],[C55])

## University of Georgia

Weed Code	plant 5 CUMSA	plant 6 CUMSA	plant 7 CUMSA	plant 8 CUMSA	plant 9 CUMSA	plant 10 CUMSA	plant av CUMSA	plant 1 CUMSA
Crop Code								
Part Rated								
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08	Aug-28-08	Sep-04-08
Assessed By								
Trt-Eval Interval	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A
ARM Action Codes							T5	
Trt Treatment								
Rate								
No. Name Rate Unit	62	63	64	65	66	67	68	70
1 3 WAY Eptam 3 PT/A	40 a	37 a	44 a	41 a	35 abc	29 a	39 a	104 a
2 3 WAY Dual Magnum 12 OZ/A	40 a	39 a	31 abc	35 ab	37 ab	33 a	35 ab	76 abc
3 3 WAY Reflex 16 OZ/A	29 abc	26 bc	28 bc	26 bcd	24 c	22 a	26 cde	49 bc
4 3 WAY Eptam 3 PT/A Dual Magnum 12 OZ/A	30 abc	35 ab	29 bc	28 bcd	34 abc	33 a	31 a-e	83 ab
5 3 WAY Eptam 3 PT/A Reflex 16 OZ/A	24 abc	21 c	25 bc	23 cd	24 bc	28 a	25 de	47 c
6 3 WAY Dual Magnum 12 OZ/A Reflex 16 OZ/A	36 ab	35 ab	34 abc	32 abc	33 abc	36 a	34 abc	71 bc
7 DMDS 50 G Eptam 3 PT/A	31 abc	34 ab	38 ab	36 ab	38 a	32 a	31 a-e	61 bc
8 DMDS 50 G Dual Magnum 12 OZ/A	35 ab	34 ab	34 abc	37 ab	34 abc	21 a	32 a-d	72 abc
9 DMDS 50 G Reflex 16 OZ/A	24 abc	22 c	22 c	20 d	24 c	25 a	23 e	53 bc
10 DMDS 50 G Eptam 3 PT/A Dual Magnum 12 OZ/A	30 abc	35 ab	28 bc	28 bcd	32 abc	19 a	28 b-e	62 bc
11 DMDS 50 G Eptam 3 PT/A Reflex 16 OZ/A	22 bc	25 bc	30 bc	22 cd	24 c	26 a	24 de	52 bc
12 DMDS 50 G Dual Magnum 12 OZ/A Reflex 16 OZ/A	17 c	30 abc	28 bc	30 a-d	25 abc	33 a	24 de	51 bc
LSD (P=.05)	15.4	9.6	12.3	10.3	11.4	16.5	7.2	29.4
Standard Deviation	9.1	5.7	7.3	6.1	6.7	9.7	4.2	17.4
CV	30.43	18.17	23.54	20.24	22.16	34.73	14.52	26.7
Bartlett's X2	19.505	7.151	7.407	14.279	14.646	18.918	17.719	14.742
P(Bartlett's X2)	0.053	0.787	0.765	0.218	0.199	0.063	0.088	0.195

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Column 63: T5 = @AVG([C58],[C67])

## University of Georgia

Weed Code	plant 2 CUMSA	plant 3 CUMSA	plant 4 CUMSA	plant 5 CUMSA	plant 6 CUMSA	plant 7 CUMSA	plant 8 CUMSA	plant 9 CUMSA			
Crop Code											
Part Rated											
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Sep-04-08	Sep-04-08	Sep-04-08	Sep-04-08	Sep-04-08	Sep-04-08	Sep-04-08	Sep-04-08			
Assessed By											
Trt-Eval Interval	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	71	72	73	74	75	76	77	78
1	3 WAY Eptam	3	PT/A	83 a	92 a	92 a	91 a	88 a	86 a	107 a	114 a
2	3 WAY Dual Magnum	12	OZ/A	82 a	61 b-f	92 a	90 a	69 ab	67 a-d	79 bc	84 b
3	3 WAY Reflex	16	OZ/A	60 ab	51 def	45 c	46 bc	41 b	42 de	42 e	43 e
4	3 WAY Eptam Dual Magnum	3 12	PT/A OZ/A	82 a	83 ab	66 abc	65 abc	86 a	79 ab	83 b	75 bcd
5	3 WAY Eptam Reflex	3 16	PT/A OZ/A	53 ab	39 f	39 c	44 bc	47 b	49 b-e	46 e	52 cde
6	3 WAY Dual Magnum Reflex	12 16	OZ/A OZ/A	83 a	81 abc	84 ab	72 ab	80 a	67 a-d	51 de	80 bc
7	DMDS 50 G Eptam	3	PT/A	70 ab	71 a-d	57 bc	64 abc	65 ab	66 a-d	60 cde	57 b-e
8	DMDS 50 G Dual Magnum	12	OZ/A	65 ab	73 a-d	66 abc	75 ab	84 a	74 abc	71 bcd	74 bcd
9	DMDS 50 G Reflex	16	OZ/A	43 b	38 f	42 c	35 c	46 b	32 e	43 e	52 cde
10	DMDS 50 G Eptam Dual Magnum	3 12	PT/A OZ/A	51 ab	65 b-e	69 abc	60 abc	50 b	63 a-d	63 b-e	49 de
11	DMDS 50 G Eptam Reflex	3 16	PT/A OZ/A	52 ab	44 ef	65 abc	62 abc	50 b	48 cde	45 e	55 cde
12	DMDS 50 G Dual Magnum Reflex	12 16	OZ/A OZ/A	46 ab	56 c-f	60 abc	64 abc	42 b	78 abc	62 b-e	72 b-e
LSD (P=.05)				33.1	22.3	28.8	30.6	25.3	25.9	19.7	25.8
Standard Deviation				19.6	13.2	17.0	18.1	14.9	15.3	11.7	15.3
CV				30.54	20.98	26.22	28.23	23.97	24.45	18.58	22.68
Bartlett's X2				7.771	7.841	12.012	6.498	14.892	9.487	21.239	5.567
P(Bartlett's X2)				0.734	0.727	0.363	0.838	0.188	0.577	0.031*	0.901

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

# University of Georgia

Weed Code	plant 10	plant av	harv 1	harv 1	harv 2	harv 2	harv 3	harv 3	
Crop Code	CUMSA	CUMSA	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated			fruit	fruit	fruit	fruit	fruit	fruit	
Rating Data Type	ht	ht	#	wt/lb	#	wt/lb	#	wt/lb	
Rating Unit	cm	cm	per plot	per plot	per plot	per plot	per plot	per plot	
Rating Date	Sep-04-08	Sep-04-08	Oct-15-08	Oct-01-08	Oct-22-08	Oct-22-08	Oct-27-08	Oct-27-08	
Assessed By									
Trt-Eval Interval	49 DA-A	49 DA-A	90 DA-A	76 DA-A	90 DA-A	76 DA-A	97 DA-A	97 DA-A	
ARM Action Codes		T6							
Trt Treatment	Rate								
No. Name	Rate Unit	79	80	82	83	84	85	86	87
1 3 WAY Eptam	3 PT/A	90 a	95 a	46 abc	21 ab	61 ab	25 a	35 a	14 a
2 3 WAY Dual Magnum	12 OZ/A	81 ab	78 b	27 c	13 b	63 ab	25 a	31 a	12 a
3 3 WAY Reflex	16 OZ/A	52 cde	47 ef	36 abc	17 ab	85 ab	31 a	35 a	14 a
4 3 WAY Eptam Dual Magnum	3 PT/A 12 OZ/A	87 a	79 b	54 ab	26 a	76 ab	32 a	23 a	9 a
5 3 WAY Eptam Reflex	3 PT/A 16 OZ/A	52 cde	47 ef	59 a	26 a	93 a	38 a	26 a	10 a
6 3 WAY Dual Magnum Reflex	12 OZ/A 16 OZ/A	70 a-d	74 bc	56 ab	26 a	79 ab	33 a	35 a	12 a
7 DMDS 50 G Eptam	3 PT/A	77 abc	65 cd	50 abc	22 ab	54 b	22 a	34 a	13 a
8 DMDS 50 G Dual Magnum	12 OZ/A	71 a-d	73 bc	45 abc	21 ab	58 ab	24 a	40 a	16 a
9 DMDS 50 G Reflex	16 OZ/A	47 de	43 f	45 abc	20 ab	79 ab	33 a	32 a	12 a
10 DMDS 50 G Eptam Dual Magnum	3 PT/A 12 OZ/A	49 de	58 de	50 abc	23 ab	64 ab	26 a	25 a	10 a
11 DMDS 50 G Eptam Reflex	3 PT/A 16 OZ/A	38 e	51 ef	32 bc	14 b	73 ab	29 a	25 a	10 a
12 DMDS 50 G Dual Magnum Reflex	12 OZ/A 16 OZ/A	58 b-e	59 de	39 abc	18 ab	66 ab	27 a	34 a	13 a
LSD (P=.05)		23.7	11.1	21.3	9.1	32.6	13.7	17.6	6.9
Standard Deviation		14.0	6.5	12.6	5.4	19.3	8.1	10.4	4.1
CV		21.76	10.22	28.02	26.06	27.11	28.23	33.21	34.53
Bartlett's X2		14.075	5.66	12.081	8.235	19.231	21.465	14.482	14.838
P(Bartlett's X2)		0.229	0.895	0.358	0.692	0.057	0.029*	0.207	0.19

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Column 74: T6 = @AVG([C70],[C79])

## University of Georgia

Weed Code	harv 4 CPSAN	harv 4 CPSAN	harv 5 CPSAN	harv 5 CPSAN	harv 1-2 CPSAN	harv 1-2 CPSAN	harv 1-5 CPSAN	harv1-5 CPSAN	harv 1 CUMSA
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Part Rated	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	#
Rating Data Type	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	#
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot
Rating Date	Nov-06-08	Nov-06-08	Nov-13-08	Nov-13-08					Sep-09-08
Assessed By									
Trt-Eval Interval	97 DA-A	97 DA-A	112 DA-A	112 DA-A					54 DA-A
ARM Action Codes					T7	T8	T9	T10	
Trt No.	88	89	90	91	92	93	94	95	97
Treatment Name									
Rate									
Rate Unit									
1 3 WAY Eptam	23 ab	9 ab	23 a	9 a	107 bc	45 bc	188 ab	77 ab	11 a
3 PT/A									
2 3 WAY Dual Magnum	14 ab	5 b	22 ab	9 ab	90 c	38 c	157 b	64 b	8 ab
12 OZ/A									
3 3 WAY Reflex	33 a	13 a	11 abc	4 bc	121 abc	48 abc	200 ab	78 ab	0 c
16 OZ/A									
4 3 WAY Eptam	16 ab	6 ab	19 abc	7 abc	131 abc	57 ab	189 ab	80 ab	7 abc
3 PT/A									
Dual Magnum									
12 OZ/A									
5 3 WAY Eptam	21 ab	7 ab	14 abc	6 abc	152 a	64 a	213 a	87 a	1 bc
3 PT/A									
Reflex									
16 OZ/A									
6 3 WAY Dual Magnum	26 ab	10 ab	12 abc	5 abc	135 ab	59 ab	208 a	86 a	13 a
12 OZ/A									
Reflex									
16 OZ/A									
7 DMDS 50 G Eptam	11 b	5 b	15 abc	6 abc	105 bc	43 bc	166 ab	67 ab	5 abc
3 PT/A									
8 DMDS 50 G Dual Magnum	12 b	5 b	18 abc	8 abc	102 bc	45 bc	173 ab	73 ab	8 abc
12 OZ/A									
9 DMDS 50 G Reflex	20 ab	7 ab	16 abc	6 abc	125 abc	53 abc	193 ab	79 ab	1 bc
16 OZ/A									
10 DMDS 50 G Eptam	28 ab	11 ab	9 bc	4 c	114 abc	49 abc	177 ab	73 ab	1 bc
3 PT/A									
Dual Magnum									
12 OZ/A									
11 DMDS 50 G Eptam	30 ab	11 ab	8 c	3 c	105 bc	43 bc	168 ab	67 ab	0 c
3 PT/A									
Reflex									
16 OZ/A									
12 DMDS 50 G Dual Magnum	27 ab	10 ab	16 abc	7 abc	105 bc	46 bc	182 ab	75 ab	2 bc
12 OZ/A									
Reflex									
16 OZ/A									
LSD (P=.05)	16.9	6.4	11.4	4.5	35.5	15.6	40.8	18.4	6.9
Standard Deviation	10.0	3.8	6.7	2.6	20.9	9.2	24.1	10.8	4.1
CV	45.99	45.63	43.77	42.7	18.06	18.68	13.07	14.36	83.18
Bartlett's X2	14.689	12.802	12.821	11.007	3.657	2.251	6.886	6.57	25.668
P(Bartlett's X2)	0.197	0.306	0.305	0.443	0.979	0.997	0.808	0.833	0.007*

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Column 85: T7 = ([C82]+[C84])

Column 86: T8 = ([C83]+[C85])

Column 87: T9 = ([C92]+[C88]+[C90]+[C86])

Column 88: T10 = ([C93]+[C89]+[C91]+[C87])

# University of Georgia

Weed Code	harv 1	harv 2	harv 2	harv 3	harv 3	harv 4	harv 4	harv 5		
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA		
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit		
Rating Data Type	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	#		
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot		
Rating Date	Sep-09-08	Sep-09-08	Sep-09-08	Sep-12-08	Sep-12-08	Sep-17-08	Sep-17-08	Sep-19-08		
Assessed By										
Trt-Eval Interval	54 DA-A	54 DA-A	54 DA-A	54 DA-A	54 DA-A	57 DA-A	57 DA-A	62 DA-A		
ARM Action Codes										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
Unit	Rate	Unit	Unit	Unit	Unit	Unit	Unit	Unit		
98										
1	3 WAY Eptam	3 PT/A	6 a	27 a	15 a	9 a	5 a	25 a	11 a	28 a
2	3 WAY Dual Magnum	12 OZ/A	4 abc	19 bcd	9 bc	7 a	4 a	16 ab	8 abc	29 a
3	3 WAY Reflex	16 OZ/A	0 d	6 gh	2 e	6 a	3 a	7 b	3 cd	8 d
4	3 WAY Eptam Dual Magnum	3 PT/A 12 OZ/A	3 a-d	24 ab	12 b	10 a	6 a	18 ab	8 ab	22 ab
5	3 WAY Eptam Reflex	3 PT/A 16 OZ/A	1 d	3 h	1 e	8 a	3 a	6 b	2 d	9 d
6	3 WAY Dual Magnum Reflex	12 OZ/A 16 OZ/A	5 ab	14 def	7 cd	8 a	4 a	11 b	5 bcd	20 abc
7	DMDS 50 G Eptam	3 PT/A	2 bcd	15 cde	7 cd	9 a	4 a	12 b	5 bcd	20 abc
8	DMDS 50 G Dual Magnum	12 OZ/A	3 a-d	21 bc	9 bc	8 a	4 a	16 ab	7 a-d	14 bcd
9	DMDS 50 G Reflex	16 OZ/A	1 d	6 gh	2 e	6 a	3 a	8 b	3 cd	6 d
10	DMDS 50 G Eptam Dual Magnum	3 PT/A 12 OZ/A	0 d	8 fgh	3 e	14 a	6 a	10 b	4 bcd	22 ab
11	DMDS 50 G Eptam Reflex	3 PT/A 16 OZ/A	0 d	6 gh	3 e	6 a	3 a	6 b	2 d	10 cd
12	DMDS 50 G Dual Magnum Reflex	12 OZ/A 16 OZ/A	1 cd	11 efg	5 de	11 a	5 a	10 b	4 bcd	14 bcd
LSD (P=.05)			3.0	5.8	3.3	7.2	3.3	10.6	4.3	9.5
Standard Deviation			1.8	3.4	1.9	4.3	2.0	6.3	2.5	5.6
CV			81.64	25.84	30.2	50.28	47.99	52.64	48.38	33.4
Bartlett's X2			24.967	9.704	15.913	4.225	6.258	19.589	19.531	18.885
P(Bartlett's X2)			0.009*	0.557	0.144	0.963	0.856	0.051	0.052	0.063

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

## University of Georgia

Weed Code	harv 5	harv 6	harv 6	harv 7	harv 7	harv 8	harv 8	harv 9			
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA			
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit			
Rating Data Type	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	#			
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot			
Rating Date	Sep-19-08	Sep-22-08	Sep-22-08	Sep-22-08	Sep-22-08	Sep-26-08	Sep-26-08	Sep-29-08			
Assessed By											
Trt-Eval Interval	62 DA-A	64 DA-A	64 DA-A	67 DA-A	67 DA-A	67 DA-A	67 DA-A	71 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	106	107	108	109	110	111	112	113
1	3 WAY Eptam	3	PT/A	14 a	22 abc	14 a	10 abc	5 bc	19 ab	9 ab	31 ab
2	3 WAY Dual Magnum	12	OZ/A	13 ab	13 bc	7 ab	9 bc	4 bc	12 abc	6 a-e	38 a
3	3 WAY Reflex	16	OZ/A	3 e	10 c	5 b	6 c	3 c	12 abc	5 b-e	15 c
4	3 WAY Eptam Dual Magnum	3 12	PT/A OZ/A	9 bcd	26 a	13 a	10 abc	5 abc	19 ab	8 abc	26 abc
5	3 WAY Eptam Reflex	3 16	PT/A OZ/A	3 e	17 abc	8 ab	10 abc	5 bc	9 bc	4 cde	12 c
6	3 WAY Dual Magnum Reflex	12 16	OZ/A OZ/A	10 abc	21 abc	11 ab	16 a	8 a	17 abc	8 a-d	25 abc
7	DMDS 50 G Eptam	3	PT/A	8 bcd	22 abc	12 ab	11 abc	5 bc	16 abc	7 a-e	24 abc
8	DMDS 50 G Dual Magnum	12	OZ/A	6 cde	25 a	15 a	15 ab	6 ab	22 a	9 a	20 bc
9	DMDS 50 G Reflex	16	OZ/A	3 e	19 abc	9 ab	8 bc	3 c	7 c	3 e	16 bc
10	DMDS 50 G Eptam Dual Magnum	3 12	PT/A OZ/A	9 bcd	24 ab	13 ab	7 c	3 c	14 abc	5 a-e	31 ab
11	DMDS 50 G Eptam Reflex	3 16	PT/A OZ/A	5 de	17 abc	9 ab	7 c	3 c	13 abc	5 a-e	16 bc
12	DMDS 50 G Dual Magnum Reflex	12 16	OZ/A OZ/A	6 cde	20 abc	10 ab	6 c	3 c	11 abc	3 de	21 bc
LSD (P=.05)				4.3	10.8	7.2	6.3	2.6	9.8	3.8	13.4
Standard Deviation				2.6	6.4	4.2	3.7	1.6	5.8	2.3	7.9
CV				34.81	32.46	40.0	38.87	35.27	40.75	38.12	34.38
Bartlett's X2				22.591	18.86	18.294	10.424	10.231	19.175	26.805	6.51
P(Bartlett's X2)				0.02*	0.064	0.075	0.493	0.51	0.058	0.005*	0.837

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

## University of Georgia

Weed Code	harv 9 CUMSA	harv 10 CUMSA	harv 10 CUMSA	harv 11 CUMSA	harv 11 CUMSA	harv 12 CUMSA	harv 12 CUMSA	harv 1-4 CUMSA	harv 1-4 CUMSA												
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit												
Part Rated	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb												
Rating Data Type	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot												
Rating Unit	Sep-29-08	Oct-01-08	Oct-01-08	Oct-03-08	Oct-03-08	Oct-06-08	Oct-06-08														
Rating Date	71 DA-A	74 DA-A	74 DA-A	76 DA-A	76 DA-A	78 DA-A	78 DA-A														
Assessed By								T11	T12												
Trt-Eval Interval																					
ARM Action Codes																					
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate												
Treatment Name	Rate	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit												
1	3 WAY Eptam	3	PT/A	15	ab	18	a	8	a	18	ab	9	a	12	bc	7	abc	73	a	38	a
2	3 WAY Dual Magnum	12	OZ/A	18	a	15	a	6	a	16	ab	8	a	16	abc	8	abc	50	bc	25	bc
3	3 WAY Reflex	16	OZ/A	6	d	8	a	3	a	13	b	5	a	8	c	3	c	19	f	8	fg
4	3 WAY Eptam Dual Magnum	3	PT/A	15	ab	20	a	10	a	24	ab	10	a	14	bc	7	abc	59	b	29	b
5	3 WAY Eptam Reflex	3	PT/A	5	d	9	a	3	a	14	b	5	a	14	abc	7	abc	18	f	7	g
6	3 WAY Dual Magnum Reflex	12	OZ/A	12	a-d	19	a	10	a	17	ab	7	a	10	c	5	bc	46	bcd	21	cd
7	DMDS 50 G Eptam	3	PT/A	12	a-d	14	a	5	a	20	ab	8	a	21	ab	12	a	41	cd	18	de
8	DMDS 50 G Dual Magnum	12	OZ/A	10	bcd	16	a	7	a	21	ab	8	a	23	a	10	ab	53	bc	23	cd
9	DMDS 50 G Reflex	16	OZ/A	7	cd	12	a	5	a	16	ab	6	a	8	c	5	bc	21	ef	8	fg
10	DMDS 50 G Eptam Dual Magnum	3	PT/A	14	abc	11	a	4	a	29	a	10	a	13	bc	7	abc	33	de	14	efg
11	DMDS 50 G Eptam Reflex	3	PT/A	7	d	9	a	4	a	13	b	4	a	14	bc	9	abc	18	f	8	g
12	DMDS 50 G Dual Magnum Reflex	12	OZ/A	10	bcd	15	a	7	a	21	ab	8	a	8	c	4	c	34	de	14	ef
LSD (P=.05)		6.4		11.6		5.7		12.6		5.0		8.0		5.2		12.8		5.8			
Standard Deviation		3.8		6.8		3.4		7.5		3.0		4.7		3.1		7.6		3.4			
CV		34.85		49.42		56.23		40.29		39.82		35.24		43.1		19.62		19.23			
Bartlett's X2		8.385		6.807		7.55		25.59		14.502		12.101		8.892		5.183		7.102			
P(Bartlett's X2)		0.678		0.815		0.753		0.007*		0.206		0.356		0.632		0.922		0.791			

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Column 113: T11 = ([C97]+[C99]+[C101]+[C103])

Column 114: T12 = ([C98]+[C100]+[C102]+[C104])



## University of Georgia

Weed Code	harv 1-8	harv 1-8	harv1-12	harv1-12
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA
Part Rated	fruit	fruit	fruit	fruit
Rating Data Type	#	wt/lb	#	wt/lb
Rating Unit	per plot	per plot	per plot	per plot
Rating Date				
Assessed By				
Trt-Eval Interval				
ARM Action Codes	T13	T14	T15	T16
Trt No.	Treatment Name	Rate	Rate	Rate
		Unit	Unit	Unit
1	3 WAY Eptam	3 PT/A	152 a	80 a
2	3 WAY Dual Magnum	12 OZ/A	231 a	117 a
3	3 WAY Reflex	16 OZ/A	112 cd	55 bc
4	3 WAY Eptam Dual Magnum	3 PT/A 12 OZ/A	197 ab	94 bc
5	3 WAY Reflex	16 OZ/A	55 g	24 e
6	3 WAY Eptam Dual Magnum	3 PT/A 12 OZ/A	98 d	42 e
7	3 WAY Reflex	16 OZ/A	136 ab	65 b
8	3 WAY Eptam Reflex	3 PT/A 16 OZ/A	220 ab	106 ab
9	3 WAY Dual Magnum Reflex	12 OZ/A 16 OZ/A	63 g	28 e
10	DMDS 50 G Eptam	3 PT/A	112 d	49 e
11	DMDS 50 G Dual Magnum Reflex	12 OZ/A 16 OZ/A	121 bcd	58 bc
12	DMDS 50 G Eptam	3 PT/A	193 b	91 bc
13	DMDS 50 G Dual Magnum	12 OZ/A	109 cd	50 bcd
14	DMDS 50 G Reflex	16 OZ/A	128 bc	59 b
15	DMDS 50 G Eptam Reflex	3 PT/A 16 OZ/A	208 ab	95 bc
16	DMDS 50 G Dual Magnum Reflex	12 OZ/A 16 OZ/A	61 g	26 e
17	DMDS 50 G Eptam	3 PT/A	113 d	49 e
18	DMDS 50 G Dual Magnum Reflex	12 OZ/A 16 OZ/A	184 b	80 cd
19	DMDS 50 G Eptam Reflex	3 PT/A 16 OZ/A	65 fg	29 e
20	DMDS 50 G Dual Magnum Reflex	12 OZ/A 16 OZ/A	117 d	53 e
21	DMDS 50 G Eptam	3 PT/A	85 ef	37 de
22	DMDS 50 G Dual Magnum Reflex	12 OZ/A 16 OZ/A	150 c	65 de
LSD (P=.05)			21.0	13.4
Standard Deviation			12.4	7.9
CV			12.52	17.13
Bartlett's X2			3.58	8.536
P(Bartlett's X2)			0.981	0.665
			32.4	20.8
			19.1	12.3
			11.43	15.84
			9.15	10.862
			0.608	0.455

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Column 115: T13 = ([C121]+[C105]+[C107]+[C109]+[C111])

Column 116: T14 = ([C122]+[C106]+[C108]+[C110]+[C112])

Column 117: T15 = ([C123]+[C113]+[C115]+[C117]+[C119])

Column 118: T16 = ([C124]+[C114]+[C116]+[C118]+[C120])



# University of Georgia

**Crop 4:** BRSOK BROCCOLI **Variety:** Green Magic  
**Planting Date:** Oct-29-08 **Planting Method:** transplant  
**Rate:** 1 12 inch **Depth:** 1.5 in **Perennial Age:** \_\_\_\_  
**Row Spacing:** 6 feet **Spacing Within Row:** 12 inch **Seed Bed:** mulched  
**Soil Temperature:** 63 F **Soil Moisture:** moist **Emergence Date:** \_\_\_\_\_

### SITE AND DESIGN

**Plot Width, Unit:** 3 FT **Plot Length, Unit:** 20 FT **Reps:** 3  
**Site Type:** Ponder research farm  
**Tillage Type:** Conventional **Study Design:** SPLIT-PLOT

**Trial Initiation Comments:**

	Previous Crops	Previous Pesticides	Year
1.			

### MAINTENANCE

**Field Prep./Maintenance:**

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

### SOIL DESCRIPTION

**% Sand:** 89 **% OM:** 1.0 **Texture:** sandy loam  
**% Silt:** 4 **pH:** 6.4 **Soil Name:** Tifton sandy loam  
**% Clay:** 7 **CEC:** \_\_\_\_\_ **Fert. Level:** \_\_\_\_\_

### ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

### MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

**Overall Moisture Conditions:** drip irrigation

**Closest Weather Station:** \_\_\_\_\_ **Distance:** \_\_\_\_\_ **Unit:** \_\_\_\_

### APPLICATION DESCRIPTION

	A
<b>Application Date:</b>	Jul-17-08
<b>Time of Day:</b>	9:00 am
<b>Application Method:</b>	broadcast
<b>Application Timing:</b>	unmulch
<b>Applic. Placement:</b>	on soil
<b>Air Temp., Unit:</b>	78 F
<b>% Relative Humidity:</b>	63
<b>Wind Velocity, Unit:</b>	5 mph
<b>Dew Presence (Y/N):</b>	n
<b>Water Hardness:</b>	
<b>Soil Temp., Unit:</b>	84 F
<b>Soil Moisture:</b>	moist
<b>% Cloud Cover:</b>	0

# University of Georgia

### CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	CPSAN preplant
Stage Scale:	not plant
Height, Unit:	0 inch
Crop 2 Code, Stage:	CUMSA preplant
Stage Scale:	not plant
Height, Unit:	0 inch
Crop 3 Code, Stage:	
Stage Scale:	
Height, Unit:	
Crop 4 Code, Stage:	BRSOK preplant
Stage Scale:	not plant
Height, Unit:	0 inch

### WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	CYPES preplant
Stage Scale:	not emerg
Density, Unit:	1 ydsq
Weed 2 Code, Stage:	PANTE preplant
Stage Scale:	not emerg
Density, Unit:	see data

### APPLICATION EQUIPMENT

	A
Appl. Equipment:	superbedd
Operating Pressure:	28
Nozzle Type:	flat fan
Nozzle Size:	11002
Nozzle Spacing, Unit:	8 inch
Nozzles/Row:	6
Band Width, Unit:	
Boom Length, Unit:	6 feet
Boom Height, Unit:	12 inch
Ground Speed, Unit:	3 mph
Incorporation Equip.:	
Hours to Incorp.:	
Incorp. Depth, Unit:	
Carrier:	water
Spray Volume, Unit:	25 GPS
Spray pH:	
Propellant:	CO2
Tank Mix (Y/N):	Y

Trt No	Treatment Application Comment