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Tomato, pepper, and cantaloupe plant back intervals following DMDS fumigation.

Trial ID: Veg10-08

Study Dir.: Davis, Culpepper

Location: Ponder Farm (5139)

Investigator: Stanley Culpepper

Reps: 4

Plots: 6 by 20 feet

Spray vol: 14.8 gal/ac

Mix size: 1 liters (min .61734)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Grow Unit	Appl Stg	Amt to Measure	Product	Plot No. By Rep			
										1	2	3	4
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d						A			101	207	303	405
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d						A			102	208	304	406
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d						A			103	205	301	407
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d						A			104	206	302	408
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d						A			105	211	307	409
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d						A			106	212	308	410
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d						A			107	209	305	411
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d						A			108	210	306	412
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d						A			113	203	315	401
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d						A			114	204	316	402
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d						A			115	201	313	403
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d						A			116	202	314	404
13	MB 98:2 @ 200 lb/A LDPE 11 d						A			109	215	311	413
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d						A			110	216	312	414
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d						A			111	213	309	415
16	MB 98:2 @ 200 lb/A LDPE 11 + 3 d						A			112	214	310	416

Sort Order: Treatment

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Reps: 4 Plots: 6 by 20 feet
 Spray vol: 14.8 gal/ac Mix size: 1 liters (min .61734)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Form Rate	Form Unit	Rate Stg	Grow Code	Appl to Measure	Amt Product 1	Plot No. 2	By Rep 3	4	
Product quantities required for listed treatments and applications in one trial:														
Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code									

* 'Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 1 liters (mix size basis).
 * Product amount calculations increased 25 % for overage adjustment.

Trial Comments

GENERAL COMMENTS: Determine the impact of DMDS in the bed at time of planting pepper, tomato, and cucumber.

Note: During the spring of 2008, conditions were extremely wet and cold with temperatures reaching 32 F three times within two weeks of planting. Thus, injury was likely much greater than expected and was much worse than what was noted in previous years. Also, plant recovery from fumigant stunting was much slower than previously noted.

GAS MEASUREMENTS TAKEN AT THE TIME OF PLANTING (3 SAMPLES PER PLOT):

1. At 11 d, the amount of DMDS in the bed at planting was greater than 9999 pm with DMDS applied under Blockade mulch. Under LDPE mulch the amount of gas was 1045 ppm. For each formulation, airing the bed for 1 d reduced the amount of gas in the bed 2 to 7 times. Airing the bed for a second or third day did tend to reduce the amount of gas in the bed but levels did not drop near as quickly as they did for the first day.
2. Conditions were extremely cold and wet which may have delayed DMDS movement from the soil.

Visual Injury, Plant Heights, Yield:

1. PPM in the bed were very variable across reps as one would expect for a given field. Thus, results are very variable. An attempt was made to correlate the amount of DMDS (ppm) in a plot bed to the relative amount of injury noted and it is in an attached PDF file.

Visual Injury:

1. Injury from all plant dates of the 79:21 under VIF mulch were severe.
2. Less injury was noted with 79:21 under LDPE mulch but injury often exceed 20% for tomato and cucumber.
3. DMDS at 100% had less injury than other DMDS systems. The longer the bed was aired the less injury usually noted.

Plant Heights:

1. Pepper (20 plants per plot were measured twice): Pepper heights were only reduced with DMDS under VIF mulch when compared to the methyl bromide control.
2. Tomato (9 plants per plot were measured twice): Only DMDS under LDPE mulch and 100% DMDS when planted on 11+3 d did not impact plant growth when compared to the MB control statistically. However, there was a tendency for smaller plants with all DMDS treatments.
3. Cucumber (7 plants per plot were measured twice): DMDS under LDPE mulch and 100% DMDS when planted on 11+2 or 11+3 had little impact statistically on plant growth. However, again there was a clear tendency for reduced plant growth in all DMDS systems.

Yields:

1. Pepper: Jumbo and X-Large pepper were harvested 5 times. Compared to MB, DMDS under VIF mulch reduced yields. Generally, greater yield with DMDS 100% systems were noted when compared to all other systems.
2. Tomato: Fruit were harvested and graded four times. The only obvious trends for fruit reduction were noted with DMDS applied under VIF mulch with a reduction of yield often exceeding 50% compared to MB.
3. Cucumber: Fruit were harvested 12 times. DMDS 79:21 under VIF mulch at 11+3, DMDS 79:21 under LDPE mulch at 11+2 and 11+3 and all plant dates on DMDS at 100% provided yields similar to MB when averaged over the 12 harvest dates.

CONCLUSIONS:

1. Air and soil temperature and soil moisture will be critical in determining the tolerance level of DMDS in the bed at time of planting.
2. After conducting this trial and previous trials, it is evident the DMDS must essentially be gone from the bed prior to planting any crop.
3. Airing the bed will assist in removing DMDS from the bed but the process will only work if the amount of DMDS in the bed is likely less than 100 ppm when one begins airing the bed. In warm conditions airing the bed for 1 d will work; however, in cool conditions airing the bed for at least 2 d will be critical.
4. Applying DMDS 79:21 under VIF mulch may have at least a 30 d plant back during some spring conditions in Georgia. This plant back is of great concern for adoption of this fumigant system.

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GENERAL COMMENTS:

1. DMDS, chloropicrin, and MB applied 8 inches below bed top with 3 knives in a 32 inch bed top.
2. 11 d = poking hole and transplanting at 11 d; 11+1 d = poking hole at 11 d and planting 1 day later; 11+2 = poking hole at 11 d and planting 2 days later; and 11+3 d = poking the hole at 11 d and planting 3 days later.

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Trial ID: Veg10-08

Study Dir.: Davis, Culpepper

Location: Ponder Farm (5139)

Investigator: Stanley Culpepper

Weed Code	GAS PPM	CPSAN	CPSAN	CPSAN	CPSAN	LYPES	LYPES	LYPES		
Crop Code	LYPES									
Part Rated	PLOTS									
Rating Data Type	at planting	injury	injury	injury	injury	injury	injury	injury		
Rating Unit	ppm	percent	percent	percent	percent	percent	percent	percent		
Rating Date		Mar-17-08	Apr-07-08	Apr-21-08	May-20-08	Mar-17-08	Apr-07-08	Apr-21-08		
Crop Stage										
Crop Stage Scale										
Assessed By	SC	AD	SC	AD	SC	AD	SC	AD		
Trt-Eval Interval		19 DA-A	40 DA-A	54 DA-A	83 DA-A	19 DA-A	40 DA-A	54 DA-A		
ARM Action Codes										
Trt No.	Treatment Name	Rate								
		Rate Unit	1	3	4	5	6	8	9	10
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	1041 de	10 bc	25 de	14 bc	24 cd	25 de	41 cd	10 cd	
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	163 e	8 c	16 de	13 bc	19 cd	16 de	25 d-g	11 cd	
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	147 e	14 bc	21 de	20 bc	16 cd	30 cde	35 cde	19 cd	
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	60 e	30 bc	12 e	3 c	15 cd	14 de	15 efg	0 d	
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	9999 a	77 a	92 a	85 a	86 a	95 a	92 a	79 a	
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	4365 b	49 ab	75 ab	75 a	76 ab	65 b	76 ab	55 ab	
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	3308 bc	40 bc	66 bc	67 a	56 b	55 bc	88 a	71 a	
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	1694 cde	29 bc	43 cd	35 b	28 c	44 bcd	75 ab	40 bc	
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	9999 a	5 c	15 de	10 bc	10 cd	5 e	47 cd	14 cd	
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	3132 bcd	6 c	13 e	10 bc	5 cd	6 e	34 cde	15 cd	
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	3622 bc	19 bc	18 de	10 bc	6 cd	11 e	54 bc	10 cd	
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	1704 cde	3 c	11 e	3 c	8 cd	4 e	28 def	6 d	
13	MB 98:2 @ 200 lb/A LDPE 11 d	245 e	4 c	12 e	0 c	16 cd	8 e	4 fg	0 d	
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d	97 e	6 c	9 e	0 c	9 cd	1 e	0 g	0 d	

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Weed Code	GAS PPM	CPSAN	CPSAN	CPSAN	CPSAN	LYPES	LYPES	LYPES	
Crop Code	LYPES								
Part Rated	PLOTS								
Rating Data Type	at planting	injury	injury	injury	injury	injury	injury	injury	
Rating Unit	ppm	percent	percent	percent	percent	percent	percent	percent	
Rating Date		Mar-17-08	Apr-07-08	Apr-21-08	May-20-08	Mar-17-08	Apr-07-08	Apr-21-08	
Crop Stage									
Crop Stage Scale									
Assessed By	SC	AD	SC	AD	SC	AD	SC	AD	
Trt-Eval Interval		19 DA-A	40 DA-A	54 DA-A	83 DA-A	19 DA-A	40 DA-A	54 DA-A	
ARM Action Codes									
Trt No.	Treatment Name	Rate							
		Rate Unit							
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d	70 e	6 c	8 e	0 c	3 d	8 e	0 g	0 d
16	MB 98:2 @ 200 lb/A LDPE 11 + 3 d	29 e	0 c	0 e	0 c	0 d	1 e	0 g	0 d
LSD (P=.05)		1946.4	34.2	24.5	27.7	20.9	27.0	22.6	26.7
Standard Deviation		1362.0	23.9	17.1	19.4	14.6	18.9	15.8	18.7
CV		54.93	125.95	63.18	90.26	62.17	78.33	41.2	90.75
Bartlett's X2		134.185	58.609	31.484	23.515	13.314	61.902	14.92	24.671
P(Bartlett's X2)		0.001*	0.001*	0.005*	0.015*	0.502	0.001*	0.246	0.006*

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

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Weed Code	LYPES	CUMMC	CUMMC	CUMMC	CUMMC	plant 1 CPSAN	plant 2 CPSAN	plant 3 CPSAN	plant 4 CPSAN	
Crop Code										
Part Rated										
Rating Data Type	injury percent	injury percent	injury percent	injury percent	injury percent	right ht cm	right ht cm	right ht cm	right ht cm	
Rating Unit	May-20-08	Mar-17-08	Apr-07-08	Apr-21-08	May-20-08					
Rating Date						21 day after pl	21 day after pl	21 day after pl	21 day after pl	
Crop Stage										
Crop Stage Scale										
Assessed By	SC	AD	SC	AD	SC					
Trt-Eval Interval	83 DA-A	19 DA-A	40 DA-A	54 DA-A	83 DA-A	21 DAT	21 DAT	21 DAT	21 DAT	
ARM Action Codes										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	
11		13	14	15	16	18	19	20	21	
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	13 bc	55 bc	40 b	27 cd	28 bc	5 cde	8 a-d	11 a	11 ab
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	14 bc	51 bc	23 bcd	20 d	19 bc	10 ab	7 a-d	7 abc	7 abc
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	14 bc	35 cd	23 bcd	5 d	6 c	7 bcd	9 abc	8 ab	9 ab
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	11 bc	19 cd	19 bcd	0 d	3 c	11 ab	12 a	10 ab	11 ab
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	65 a	97 a	95 a	85 ab	78 a	0 e	0 e	0 d	0 d
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	33 b	76 ab	77 a	75 ab	77 a	3 de	3 de	3 cd	2 cd
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	31 bc	97 a	89 a	100 a	95 a	5 cde	5 b-e	2 cd	2 cd
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	25 bc	75 ab	82 a	55 bc	39 b	3 de	4 cde	4 bcd	5 bcd
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	7 bc	77 ab	49 b	16 d	8 c	11 ab	10 ab	7 abc	10 ab
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	3 bc	51 bc	35 b	15 d	3 c	10 abc	9 abc	9 ab	10 ab
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	5 bc	13 d	36 b	8 d	0 c	7 bcd	8 a-d	9 ab	8 abc
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	5 bc	21 cd	31 bc	5 d	5 c	11 ab	11 a	11 a	12 a
13	MB 98:2 @ 200 lb/A LDPE 11 d	20 bc	13 d	4 cd	0 d	7 c	13 a	9 abc	11 a	13 a
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d	16 bc	9 d	5 cd	0 d	8 c	9 abc	8 a-d	6 abc	9 ab
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d	0 c	8 d	3 cd	0 d	1 c	11 ab	10 ab	10 a	11 ab

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Weed Code						plant 1	plant 2	plant 3	plant 4
Crop Code	LYPES	CUMMC	CUMMC	CUMMC	CUMMC	CPSAN	CPSAN	CPSAN	CPSAN
Part Rated						right	right	right	right
Rating Data Type	injury	injury	injury	injury	injury	ht	ht	ht	ht
Rating Unit	percent	percent	percent	percent	percent	cm	cm	cm	cm
Rating Date	May-20-08	Mar-17-08	Apr-07-08	Apr-21-08	May-20-08				
Crop Stage						21 day	21 day	21 day	21 day
Crop Stage Scale						after pl	after pl	after pl	after pl
Assessed By	SC	AD	SC	AD	SC				
Trt-Eval Interval	83 DA-A	19 DA-A	40 DA-A	54 DA-A	83 DA-A	21 DAT	21 DAT	21 DAT	21 DAT
ARM Action Codes									
Trt Treatment	Rate								
No. Name	Rate Unit	11	13	14	15	16	18	19	20
16 MB 98:2 @ 200 lb/A	0 c	0 d	0 d	0 d	0 c	10 ab	8 a-d	11 a	9 ab
LDPE									
11 + 3 d									
LSD (P=.05)	27.1	33.4	26.3	31.2	27.9	4.6	5.0	5.1	5.6
Standard Deviation	18.9	23.4	18.4	21.9	19.5	3.2	3.5	3.6	3.9
CV	116.59	53.86	48.43	85.12	83.45	41.28	46.69	48.01	49.09
Bartlett's X2	25.346	48.497	43.258	27.292	52.457	31.179	19.461	22.428	30.943
P(Bartlett's X2)	0.021*	0.001*	0.001*	0.001*	0.001*	0.005*	0.148	0.07	0.006*

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

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Weed Code	plant 5 CPSAN	plant 6 CPSAN	plant 7 CPSAN	plant 8 CPSAN	plant 9 CPSAN	plant 10 CPSAN	avg plt CPSAN	plant 1 CPSAN	plant 2 CPSAN	plant 3 CPSAN			
Crop Code													
Part Rated	right	right	right	right	right	right	right	left	left	left			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date													
Crop Stage	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day			
Crop Stage Scale	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl			
Assessed By													
Trt-Eval Interval	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT			
ARM Action Codes							T1						
Trt No.	Treatment Name	Rate	Unit	22	23	24	25	26	27	28	29	30	31
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d			12 a	12 ab	13 a	13 a	13 a	10 abc	11 a	13 a	12 a	12 a
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d			9 abc	11 abc	9 abc	10 a-d	7 a-d	7 a-d	8 ab	10 abc	10 ab	10 ab
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d			8 abc	9 abc	9 abc	8 a-e	9 ab	9 abc	8 ab	11 abc	10 ab	10 a
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d			8 abc	7 bcd	8 abc	8 a-e	8 a-d	9 abc	9 a	11 abc	12 a	8 ab
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d			3 c	2 de	0 d	4 cde	3 bcd	3 cd	1 c	0 f	0 e	0 d
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d			3 c	2 de	3 cd	3 e	2 d	2 d	2 c	2 ef	2 de	2 cd
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d			3 c	0 e	0 d	4 de	3 bcd	2 d	3 c	5 de	5 cd	6 bc
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d			5 bc	6 cd	5 bcd	5 b-e	3 cd	5 bcd	4 bc	8 bcd	9 abc	11 a
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d			10 ab	10 abc	9 ab	10 ab	11 a	11 ab	10 a	10 abc	9 abc	11 a
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d			10 ab	9 abc	9 ab	10 a-d	9 abc	11 ab	9 a	9 a-d	10 abc	11 a
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d			9 abc	6 cd	9 abc	9 a-e	9 abc	9 abc	8 ab	10 abc	11 ab	10 a
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d			12 a	10 abc	12 ab	11 ab	11 a	9 abc	11 a	9 a-d	9 abc	10 ab
13	MB 98:2 @ 200 lb/A LDPE 11 d			13 a	13 a	14 a	13 a	12 a	12 ab	12 a	13 ab	12 a	12 a
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d			9 abc	8 a-d	8 abc	10 abc	9 ab	9 abc	9 ab	8 cd	6 bcd	9 ab
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d			11 ab	10 abc	10 ab	11 ab	10 a	10 ab	10 a	11 abc	10 abc	11 a

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Weed Code	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10	avg plt	plant 1	plant 2	plant 3	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	right	right	right	right	right	right	right	left	left	left	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date											
Crop Stage	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	
Crop Stage Scale	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	
Assessed By											
Trt-Eval Interval	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	
ARM Action Codes							T1				
Trt Treatment	Rate										
No. Name	Rate Unit	22	23	24	25	26	27	28	29	30	31
16 MB 98:2 @ 200 lb/A LDPE 11 + 3 d		9 abc	8 a-d	8 abc	8 a-e	11 a	12 a	9 a	10 abc	9 abc	9 ab
LSD (P=.05)		5.6	5.1	5.3	5.3	5.5	5.7	4.2	4.0	4.4	4.1
Standard Deviation		3.9	3.5	3.7	3.7	3.8	4.0	2.9	2.8	3.1	2.9
CV		46.88	47.22	48.72	44.14	47.27	49.47	36.93	31.87	36.21	32.82
Bartlett's X2		27.194	33.444	31.897	27.26	27.703	22.623	24.07	38.991	38.554	37.344
P(Bartlett's X2)		0.018*	0.002*	0.002*	0.018*	0.016*	0.092	0.064	0.001*	0.001*	0.001*

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

Column 24: T1 = @AVG([C18].[C27])

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Weed Code	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10	avg plt	AVG20PLA	plant 1	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	LYPES	
Part Rated	left	left	left	left	left	left	left	left	bothro		
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date											
Crop Stage	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	
Crop Stage Scale	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	
Assessed By											
Trt-Eval Interval	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	
ARM Action Codes								T2	T35		
Trt Treatment	Rate										
No. Name	Rate Unit	32	33	34	35	36	37	38	39	40	42
1 DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	12 ab	11 a	11 ab	11 a	11 a	12 a	12 a	12 a	12 a	12 a	8 ab
2 DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	10 abc	8 ab	9 ab	10 ab	9 ab	10 abc	8 abc	9 a	9 a	9 a	7 abc
3 DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	12 ab	11 a	11 ab	12 a	8 ab	12 a	10 ab	11 a	10 a	10 a	6 bc
4 DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	9 abc	8 ab	8 ab	9 ab	9 ab	9 abc	8 abc	9 a	9 a	9 a	9 ab
5 DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	0 e	0 d	3 c	4 bc	3 bc	4 d	3 cd	2 b	2 b	2 b	0 d
6 DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	3 de	3 cd	2 c	2 c	3 c	6 bcd	3 d	3 b	3 b	3 b	3 cd
7 DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	6 cd	5 bc	5 bc	6 abc	6 abc	5 cd	5 bcd	5 b	5 b	5 b	0 d
8 DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	11 ab	11 a	12 a	10 a	10 a	12 a	10 ab	10 a	10 a	10 a	5 bc
9 DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	11 ab	11 a	11 a	11 a	11 a	11 a	12 a	11 a	11 a	11 a	5 bcd
10 DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	9 abc	9 ab	10 ab	10 a	10 a	11 ab	9 ab	9 a	9 a	9 a	9 ab
11 DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	11 ab	9 ab	8 ab	9 ab	9 a	9 a-d	8 abc	9 a	9 a	9 a	7 bc
12 DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	8 bc	11 a	8 ab	8 ab	10 a	11 ab	11 a	9 a	10 a	10 a	9 ab
13 MB 98:2 @ 200 lb/A LDPE 11 d	11 ab	13 a	12 a	12 a	12 a	12 a	13 a	12 a	12 a	12 a	12 a
14 MB 98:2 @ 200 lb/A LDPE 11 + 1 d	10 abc	9 a	9 ab	9 ab	10 a	12 a	11 a	9 a	9 a	9 a	8 abc
15 MB 98:2 @ 200 lb/A LDPE 11 + 2 d	11 ab	11 a	12 a	11 a	12 a	9 abc	11 a	11 a	11 a	11 a	9 ab

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Weed Code	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10	avg plt	AVG20PLA	plant 1
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	LYPES
Part Rated	left	left	left	left	left	left	left	left	bothro	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date										
Crop Stage	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day
Crop Stage Scale	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl
Assessed By										
Trt-Eval Interval	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT
ARM Action Codes								T2	T35	
Trt Treatment										
No. Name										
Rate	32	33	34	35	36	37	38	39	40	42
Rate Unit										
16 MB 98:2 @ 200 lb/A LDPE 11 + 3 d	13 a	11 a	8 ab	10 ab	12 a	11 a	12 a	11 a	10 a	9 ab
LSD (P=.05)	4.2	3.9	4.7	5.3	5.3	4.7	4.6	3.5	3.4	4.4
Standard Deviation	2.9	2.7	3.3	3.7	3.7	3.3	3.2	2.4	2.4	3.1
CV	32.23	31.49	38.24	42.09	41.33	34.35	35.95	27.34	26.8	47.14
Bartlett's X2	31.942	33.696	27.223	41.832	36.324	49.051	33.901	32.593	32.578	21.377
P(Bartlett's X2)	0.004*	0.002*	0.027*	0.001*	0.002*	0.001*	0.004*	0.005*	0.005*	0.066

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

Column 35: T2 = @AVG([C29].[C38])

Column 36: T35 = @AVG([C28].[C39])

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Weed Code	plant 2 LYPES	plant 3 LYPES	plant 4 LYPES	plant 5 LYPES	plant 6 LYPES	plant 7 LYPES	plant 8 LYPES	plant 9 LYPES	AVG9PLAN LYPES	plant 1 CUMMC	
Crop Code											
Part Rated											
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date											
Crop Stage	21 day after pl	21 day after pl	21 day after pl	21 day after pl	21 day after pl	21 day after pl	21 day after pl	21 day after pl	21 day after pl	21 day after pl	
Crop Stage Scale											
Assessed By											
Trt-Eval Interval	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	
ARM Action Codes									T3		
Trt Treatment	Rate										
No. Name	Rate Unit	43	44	45	46	47	48	49	50	51	53
1 DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	7 a-d	7 a-e	5 cd	8 abc	6 bcd	8 b-f	7 b-e	8 bcd	7 b-e	5 ab	
2 DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	6 a-d	7 a-e	7 a-d	7 abc	7 bcd	8 b-f	7 b-e	7 bcd	7 b-e	6 ab	
3 DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	7 a-d	7 a-e	7 a-d	8 abc	7 bcd	7 b-f	6 b-e	7 bcd	7 b-e	8 a	
4 DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	9 abc	9 abc	10 ab	7 abc	9 abc	9 bcd	9 abc	9 a-d	9 a-d	7 a	
5 DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	0 e	0 f	0 e	0 d	0 e	0 g	0 f	0 f	0 g	0 d	
6 DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	3 de	3 ef	2 de	3 cd	3 de	3 fg	3 ef	2 ef	3 fg	2 cd	
7 DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	0 e	0 f	0 e	0 d	0 e	0 g	0 f	0 f	0 g	0 d	
8 DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	5 bcd	4 def	3 de	4 bcd	3 de	4 efg	4 def	2 ef	4 efg	2 cd	
9 DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	4 cde	5 c-f	5 cd	5 bcd	5 cde	5 c-f	5 cde	5 def	5 def	4 bc	
10 DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	8 a-d	7 a-e	8 abc	6 abc	5 cde	8 b-f	6 b-e	8 bcd	7 b-e	6 ab	
11 DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	5 cd	6 b-e	6 bcd	6 abc	5 cde	5 d-g	5 b-e	6 cde	6 c-f	7 ab	
12 DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	9 abc	9 abc	8 abc	7 abc	8 a-d	8 b-e	8 a-d	8 bcd	8 a-d	5 ab	
13 MB 98:2 @ 200 lb/A LDPE 11 d	11 a	11 a	11 a	12 a	12 a	14 a	13 a	13 a	12 a	6 ab	
14 MB 98:2 @ 200 lb/A LDPE 11 + 1 d	8 abc	10 ab	10 abc	11 a	9 abc	12 ab	10 ab	9 bcd	9 abc	5 ab	
15 MB 98:2 @ 200 lb/A LDPE 11 + 2 d	10 ab	11 a	10 ab	11 a	11 ab	10 abc	9 abc	12 ab	10 ab	7 ab	

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Weed Code	plant 2 LYPES	plant 3 LYPES	plant 4 LYPES	plant 5 LYPES	plant 6 LYPES	plant 7 LYPES	plant 8 LYPES	plant 9 LYPES	AVG9PLAN LYPES	plant 1 CUMMC
Crop Code										
Part Rated										
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date										
Crop Stage	21 day after pl	21 day after pl	21 day after pl	21 day after pl	21 day after pl	21 day after pl	21 day after pl	21 day after pl	21 day after pl	21 day after pl
Crop Stage Scale										
Assessed By										
Trt-Eval Interval	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT
ARM Action Codes									T3	
Trt Treatment										
No. Name	Rate Unit									
16 MB 98:2 @ 200 lb/A LDPE 11 + 3 d	43	44	45	46	47	48	49	50	51	53
	9 abc	8 a-d	9 abc	9 ab	10 ab	9 a-d	9 abc	10 abc	9 a-d	8 a
LSD (P=.05)	4.3	4.2	4.2	4.7	4.4	4.4	4.0	4.2	3.7	2.6
Standard Deviation	3.0	2.9	2.9	3.3	3.1	3.1	2.8	2.9	2.6	1.8
CV	48.02	46.4	46.74	50.92	49.58	45.34	45.27	44.8	40.86	38.56
Bartlett's X2	25.459	18.814	17.695	11.493	16.128	14.597	15.593	20.271	21.504	27.362
P(Bartlett's X2)	0.02*	0.129	0.169	0.57	0.242	0.333	0.272	0.089	0.064	0.011*

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

Column 46: T3 = @AVG([C42].[C50])

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Weed Code	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	AVG7PLAN	plant 1	plant 2	
Crop Code	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CPSAN	CPSAN	
Part Rated								left	left	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date										
Crop Stage	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	
Crop Stage Scale	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	
Assessed By										
Trt-Eval Interval	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	51 DA-A	51 DA-A	
ARM Action Codes							T4			
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	4 bcd	5 ab	5 abc	5 bcd	5 ab	5 bc	5 ab	19 a	18 a
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	5 bcd	4 ab	5 abc	5 abc	4 bc	5 ab	5 ab	19 a	18 ab
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	9 a	7 a	8 a	8 ab	7 ab	7 ab	8 a	19 a	18 ab
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	8 ab	7 a	7 ab	9 a	7 ab	6 ab	7 a	18 a	18 ab
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	0 e	0 c	0 d	0 e	0 d	0 d	0 d	0 c	0 d
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	2 cde	2 bc	2 cd	2 de	2 cd	1 d	2 cd	6 b	5 c
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	0 e	0 c	0 d	0 e	0 d	0 d	0 d	9 b	12 b
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	2 de	2 bc	2 cd	2 de	2 cd	2 cd	2 cd	16 a	15 ab
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	4 bcd	4 ab	4 bc	3 cde	1 d	2 cd	3 bc	19 a	16 ab
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	5 bcd	5 ab	5 abc	6 abc	6 ab	5 ab	5 ab	19 a	20 a
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	6 ab	7 a	7 ab	7 ab	6 ab	7 ab	7 a	17 a	18 ab
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	7 ab	7 a	6 ab	7 ab	7 ab	6 ab	6 a	19 a	20 a
13	MB 98:2 @ 200 lb/A LDPE 11 d	6 ab	6 a	6 ab	7 ab	6 ab	7 ab	6 a	19 a	19 a
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d	6 abc	6 a	6 ab	7 ab	7 ab	7 ab	6 a	16 a	16 ab
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d	6 ab	8 a	6 ab	8 ab	8 a	8 a	7 a	17 a	17 ab

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Weed Code	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	AVG7PLAN	plant 1	plant 2	
Crop Code	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CPSAN	CPSAN	
Part Rated								left	left	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date										
Crop Stage	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	
Crop Stage Scale	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	
Assessed By										
Trt-Eval Interval	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT	51 DA-A	51 DA-A	
ARM Action Codes							T4			
Trt Treatment	Rate									
No. Name	Rate Unit	54	55	56	57	58	59	60	62	63
16 MB 98:2 @ 200 lb/A LDPE 11 + 3 d	7 ab	8 a	8 ab	8 ab	7 ab	7 ab	7 a	19 a	19 a	
LSD (P=.05)	3.4	3.2	3.2	3.2	2.7	2.9	2.6	4.8	5.2	
Standard Deviation	2.4	2.3	2.3	2.2	1.9	2.0	1.8	3.4	3.6	
CV	50.78	47.21	48.03	44.47	41.35	44.24	38.92	21.53	23.58	
Bartlett's X2	25.888	16.469	19.323	16.668	27.515	15.831	31.434	29.077	26.511	
P(Bartlett's X2)	0.018*	0.225	0.113	0.215	0.011*	0.258	0.003*	0.01*	0.022*	

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

Column 54: T4 = @AVG([C53],[C59])

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Weed Code	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10	plant av	plant 1	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	left	left	left	left	left	left	left	left	left	right	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date											
Crop Stage	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	
Crop Stage Scale	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	
Assessed By											
Trt-Eval Interval	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	
ARM Action Codes									T5		
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	
		64	65	66	67	68	69	70	71	72	73
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	18 a	17 ab	17 abc	17 ab	19 a	18 abc	18 ab	18 a	18 a	14 b
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	19 a	18 ab	17 abc	19 ab	16 a	14 bcd	19 ab	19 a	18 a	13 b
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	18 a	20 a	18 abc	19 ab	18 a	18 abc	18 ab	17 a	18 a	14 b
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	16 ab	17 ab	17 abc	17 ab	19 a	17 abc	17 ab	18 a	17 a	54 a
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	4 d	3 d	1 d	4 d	6 c	4 e	6 c	4 c	3 d	0 b
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	8 cd	8 c	6 d	8 cd	7 bc	11 d	6 c	5 bc	7 c	5 b
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	11 bc	13 b	12 c	14 abc	13 ab	12 cd	11 bc	10 b	12 b	3 b
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	17 a	16 ab	18 abc	17 ab	18 a	17 abc	17 ab	16 a	17 a	8 b
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	21 a	21 a	22 a	21 a	19 a	19 ab	20 a	19 a	19 a	21 b
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	19 a	19 ab	20 ab	19 ab	18 a	19 ab	21 a	19 a	19 a	18 b
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	17 a	19 a	14 bc	14 bc	19 a	21 a	20 a	20 a	18 a	16 b
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	17 a	18 ab	18 abc	19 ab	15 a	19 ab	16 ab	20 a	18 a	20 b
13	MB 98:2 @ 200 lb/A LDPE 11 d	16 ab	18 ab	19 abc	14 abc	19 a	18 abc	14 ab	20 a	17 a	16 b
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d	16 ab	16 ab	18 abc	18 ab	18 a	19 ab	18 ab	16 a	17 a	17 b
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d	16 ab	16 ab	16 abc	17 ab	17 a	18 abc	17 ab	18 a	17 a	19 b

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Weed Code	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10	plant av	plant 1	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	left	left	left	left	left	left	left	left	left	right	
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date											
Crop Stage	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	
Crop Stage Scale	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	
Assessed By											
Trt-Eval Interval	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	
ARM Action Codes									T5		
Trt Treatment	Rate										
No. Name	Rate Unit	64	65	66	67	68	69	70	71	72	73
16 MB 98:2 @ 200 lb/A LDPE 11 + 3 d		19 a	19 a	14 bc	19 ab	17 a	19 ab	20 a	18 a	18 a	20 b
LSD (P=.05)		4.9	4.6	6.0	5.7	6.3	5.2	6.5	5.4	3.6	25.2
Standard Deviation		3.4	3.2	4.2	4.0	4.4	3.7	4.6	3.8	2.5	17.6
CV		21.89	20.11	27.24	25.31	27.81	22.26	28.43	23.78	15.91	109.77
Bartlett's X2		24.525	27.521	33.504	40.37	39.741	24.546	39.577	29.74	20.846	95.352
P(Bartlett's X2)		0.057	0.025*	0.004*	0.001*	0.001*	0.056	0.001*	0.013*	0.142	0.001*

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

Column 65: T5 = @AVG([C62].[C71])

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Weed Code	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10	plant av		
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN		
Part Rated	right	right	right	right	right	right	right	right	right	right		
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht	ht		
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm		
Rating Date												
Crop Stage	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day		
Crop Stage Scale	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl		
Assessed By												
Trt-Eval Interval	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A		
ARM Action Codes										T6		
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
		Unit	74	75	76	77	78	79	80	81	82	83
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d		17 bcd	18 a	17 ab	19 ab	17 a	19 a	19 a	19 ab	17 abc	17 ab
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d		15 b-e	14 ab	15 ab	18 ab	14 ab	17 a	15 ab	15 ab	14 bc	15 bc
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d		14 b-e	14 ab	14 ab	14 bc	16 a	14 ab	18 a	18 ab	17 abc	15 bc
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d		36 a	17 a	19 a	16 abc	15 a	20 a	19 a	20 a	19 ab	24 a
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d		0 e	0 d	0 c	4 de	4 c	0 c	5 c	5 c	4 de	2 e
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d		5 cde	5 cd	5 c	4 de	4 c	5 bc	5 c	4 c	5 de	5 de
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d		4 de	0 d	3 c	3 e	0 c	3 c	4 c	4 c	3 e	3 de
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d		10 b-e	8 bc	9 bc	11 cd	8 bc	13 ab	10 bc	11 bc	11 cd	10 cd
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d		20 bcd	18 a	19 a	19 ab	19 a	19 a	19 a	18 ab	21 ab	19 ab
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d		18 bcd	21 a	19 a	17 abc	20 a	19 a	19 a	19 ab	19 ab	19 ab
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d		17 bcd	18 a	18 ab	20 ab	20 a	15 a	20 a	20 a	20 ab	18 ab
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d		22 ab	21 a	21 a	21 ab	21 a	14 a	22 a	21 a	20 ab	20 ab
13	MB 98:2 @ 200 lb/A LDPE 11 d		19 bcd	21 a	21 a	17 abc	19 a	20 a	21 a	20 a	19 ab	19 ab
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d		16 bcd	19 a	20 a	18 ab	18 a	18 a	19 a	19 ab	19 ab	18 ab
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d		18 bcd	19 a	13 ab	18 ab	17 a	19 a	20 a	18 ab	18 ab	18 ab

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Weed Code	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10	plant av
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN
Part Rated	right	right	right	right	right	right	right	right	right	right
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date										
Crop Stage	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day
Crop Stage Scale	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl
Assessed By										
Trt-Eval Interval	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A
ARM Action Codes										T6
Trt Treatment										
No. Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit
	74	75	76	77	78	79	80	81	82	83
16 MB 98:2 @ 200 lb/A LDPE 11 + 3 d	21 bc	22 a	21 a	22 a	20 a	23 a	19 a	20 a	22 a	21 ab
LSD (P=.05)	13.6	6.7	8.3	6.3	7.3	8.2	6.9	6.8	6.5	6.8
Standard Deviation	9.5	4.7	5.8	4.4	5.1	5.8	4.8	4.8	4.6	4.8
CV	61.0	32.27	40.41	29.67	35.31	38.91	30.61	30.72	29.42	31.54
Bartlett's X2	57.768	22.955	23.752	23.001	21.713	32.546	32.19	29.61	23.572	31.942
P(Bartlett's X2)	0.001*	0.042*	0.049*	0.084	0.085	0.003*	0.006*	0.013*	0.073	0.007*

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

Column 76: T6 = @AVG([C73].[C82])

University of Georgia

Weed Code	AVG20PLA	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8	
Crop Code	CPSAN	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	
Part Rated	both									
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date										
Crop Stage	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	
Crop Stage Scale	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	
Assessed By										
Trt-Eval Interval	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	
ARM Action Codes	T36									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit								
84			86	87	88	89	90	91	92	93
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	18 ab	21 cd	24 a-d	23 bc	23 b-e	23 cd	24 a-d	22 c-f	22 cde
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	16 ab	24 abc	25 a-d	23 bc	23 b-e	25 bc	24 abc	25 bcd	27 a-d
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	17 ab	22 bcd	22 a-d	22 bc	23 b-e	24 cd	24 abc	27 a-d	25 a-d
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	20 a	25 abc	28 abc	30 ab	30 ab	27 abc	28 abc	27 a-d	29 abc
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	3 c	5 f	6 e	4 e	7 f	6 f	4 g	5 h	7 g
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	6 c	15 de	15 de	15 cd	18 de	13 ef	13 efg	15 efg	11 fg
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	7 c	11 ef	9 e	8 de	5 f	11 ef	10 fg	12 gh	10 fg
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	13 b	18 cde	17 cde	15 cd	15 e	16 de	15 def	13 fgh	15 ef
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	19 a	23 abc	20 bcd	23 bc	20 cde	21 cd	20 cde	23 cde	23 bcd
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	19 a	25 abc	23 a-d	23 bc	27 a-d	23 cd	23 bcd	21 d-g	20 de
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	18 ab	26 abc	22 a-d	22 bc	23 b-e	24 cd	23 bcd	21 c-g	22 cde
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	19 a	32 a	27 a-d	28 ab	28 abc	30 abc	28 abc	26 a-d	26 a-d
13	MB 98:2 @ 200 lb/A LDPE 11 d	18 ab	30 ab	21 a-d	33 a	32 ab	30 abc	33 a	35 ab	32 a
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d	18 ab	30 ab	32 ab	30 ab	33 a	33 ab	29 abc	35 a	33 a
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d	17 ab	31 a	31 ab	34 a	31 ab	33 ab	31 ab	28 a-d	31 ab

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Weed Code	AVG20PLA	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8	
Crop Code	CPSAN	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	
Part Rated	both									
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date										
Crop Stage	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	
Crop Stage Scale	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	
Assessed By										
Trt-Eval Interval	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	
ARM Action Codes	T36									
Trt Treatment	Rate									
No. Name	Rate Unit	84	86	87	88	89	90	91	92	93
16 MB 98:2 @ 200 lb/A LDPE 11 + 3 d	20 a	31 a	33 a	30 ab	33 a	34 a	30 ab	31 abc	30 ab	
LSD (P=.05)	4.5	7.4	10.4	8.1	8.0	7.8	8.2	8.7	7.0	
Standard Deviation	3.2	5.2	7.3	5.6	5.6	5.4	5.7	6.1	4.9	
CV	20.53	22.57	32.85	24.85	24.17	23.41	25.58	26.65	21.7	
Bartlett's X2	19.039	10.881	8.352	9.595	4.663	6.861	7.543	8.324	4.166	
P(Bartlett's X2)	0.212	0.761	0.909	0.844	0.995	0.961	0.941	0.91	0.997	

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

Column 77: T36 = ([C72]+[C83])/2

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Weed Code	plant 9 LYPES	AVG9PLAN LYPES	plant 1 CUMMC	plant 2 CUMMC	plant 3 CUMMC	plant 4 CUMMC	plant 5 CUMMC	plant 6 CUMMC	plant 7 CUMMC	
Crop Code										
Part Rated										
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date										
Crop Stage	21 day after pl	21 day after pl	21 day after pl	21 day after pl	21 day after pl	21 day after pl	21 day after pl	21 day after pl	21 day after pl	
Crop Stage Scale										
Assessed By										
Trt-Eval Interval	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	
ARM Action Codes		T7								
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	
		94	95	97	98	99	100	101	102	103
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	22 c	23 d	19 bcd	21 bcd	20 bcd	20 a-d	19 bcd	16 c-f	22 abc
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	25 abc	24 bcd	18 bcd	17 c-f	17 cde	21 a-d	19 bcd	25 a-d	18 bcd
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	24 bc	24 cd	26 ab	25 a-d	22 bc	25 abc	23 a-d	20 b-e	26 ab
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	29 abc	28 a-d	30 ab	28 a-d	29 abc	27 ab	28 ab	32 ab	26 ab
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	8 de	6 f	0 e	2 g	0 f	1 e	4 ef	4 fg	6 de
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	13 d	14 e	6 de	5 fg	7 ef	8 de	6 ef	8 efg	5 e
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	10 de	9 ef	0 e	0 g	0 f	0 e	1 f	0 g	2 e
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	5 e	14 e	10 cde	7 efg	8 def	10 cde	11 def	14 def	12 cde
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	22 c	22 d	20 abc	19 b-e	23 bc	18 bcd	15 cde	14 def	20 abc
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	26 abc	23 cd	21 abc	15 def	21 bc	25 abc	20 bcd	23 a-d	21 abc
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	24 bc	23 d	22 abc	20 bcd	22 bc	24 abc	22 a-d	19 b-e	20 abc
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	28 abc	28 a-d	29 ab	29 abc	25 abc	25 ab	25 abc	26 a-d	24 abc
13	MB 98:2 @ 200 lb/A LDPE 11 d	29 abc	30 abc	30 ab	34 a	36 a	32 ab	30 ab	25 a-d	28 ab
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d	33 a	32 a	30 ab	31 ab	30 abc	31 ab	28 ab	28 abc	28 ab
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d	28 abc	31 ab	25 ab	29 abc	32 ab	33 a	33 a	35 a	33 a

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Weed Code	plant 9 LYPES	AVG9PLAN LYPES	plant 1 CUMMC	plant 2 CUMMC	plant 3 CUMMC	plant 4 CUMMC	plant 5 CUMMC	plant 6 CUMMC	plant 7 CUMMC	
Crop Code										
Part Rated										
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date										
Crop Stage	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	21 day	
Crop Stage Scale	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	after pl	
Assessed By										
Trt-Eval Interval	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	51 DA-A	
ARM Action Codes		T7								
Trt Treatment	Rate									
No. Name	Rate Unit	94	95	97	98	99	100	101	102	103
16 MB 98:2 @ 200 lb/A LDPE 11 + 3 d	31 ab	32 ab	35 a	34 a	33 ab	34 a	34 a	35 a	33 a	
LSD (P=.05)	7.2	6.5	12.7	11.7	11.3	12.8	11.1	12.0	11.4	
Standard Deviation	5.1	4.6	8.9	8.2	7.9	8.9	7.8	8.4	8.0	
CV	22.79	20.16	44.75	41.48	39.15	43.04	39.47	42.02	39.58	
Bartlett's X2	4.489	4.371	16.033	13.903	8.367	13.618	11.629	6.233	9.555	
P(Bartlett's X2)	0.996	0.996	0.247	0.457	0.819	0.479	0.707	0.96	0.847	

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

Column 87: T7 = @AVG([C86],[C94])

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Weed Code	AVG7PLAN	harv 1	harv 1	harv 2	harv 2	harv 3	harv 3		
Crop Code	CUMMC	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN		
Part Rated		fruit	fruit	fruit	fruit	fruit	fruit		
Rating Data Type	ht	#	wt/lb	#	wt/lb	#	wt/lb		
Rating Unit	cm	per plot	per plot	per plot	per plot	per plot	per plot		
Rating Date		May-21-08	May-21-08	May-26-08	May-26-08	Jun-06-08	Jun-06-08		
Crop Stage	21 day								
Crop Stage Scale	after pl								
Assessed By									
Trt-Eval Interval	51 DA-A	84 DA-A	84 DA-A	89 DA-A	89 DA-A	100 DA-A	100 DA-A		
ARM Action Codes	T8								
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate		
		Unit	104	106	107	108	109	110	111
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d		19 bcd	5 cd	2 bc	0 b	0 d	10 b-e	4 bc
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d		19 bcd	18 a-d	7 abc	1 ab	0 cd	12 b-e	4 bc
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d		24 abc	11 a-d	4 abc	1 ab	1 bcd	13 b-e	5 bc
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d		28 abc	20 abc	8 abc	1 b	0 d	17 bcd	6 bc
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d		2 e	0 d	0 c	0 b	0 d	1 de	0 c
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d		6 e	4 cd	2 bc	0 b	0 d	1 e	0 c
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d		0 e	0 d	0 c	0 b	0 d	4 cde	1 c
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d		10 de	0 d	0 c	2 ab	1 bcd	9 b-e	3 bc
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d		18 cd	2 cd	1 bc	7 a	3 a	32 a	13 a
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d		21 bcd	6 bcd	2 abc	7 a	2 ab	23 ab	9 ab
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d		21 bcd	3 cd	1 bc	5 ab	2 a-d	19 abc	8 ab
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d		26 abc	10 a-d	4 abc	6 ab	2 abc	13 b-e	5 bc
13	MB 98:2 @ 200 lb/A LDPE 11 d		30 ab	21 abc	9 ab	2 ab	1 bcd	10 b-e	3 bc
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d		29 abc	21 abc	9 abc	1 b	0 d	12 b-e	4 bc
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d		31 ab	26 a	11 a	1 ab	0 cd	15 b-e	5 bc

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Weed Code	AVG7PLAN	harv 1	harv 1	harv 2	harv 2	harv 3	harv 3
Crop Code	CUMMC	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN
Part Rated		fruit	fruit	fruit	fruit	fruit	fruit
Rating Data Type	ht	#	wt/lb	#	wt/lb	#	wt/lb
Rating Unit	cm	per plot	per plot	per plot	per plot	per plot	per plot
Rating Date		May-21-08	May-21-08	May-26-08	May-26-08	Jun-06-08	Jun-06-08
Crop Stage	21 day						
Crop Stage Scale	after pl						
Assessed By							
Trt-Eval Interval	51 DA-A	84 DA-A	84 DA-A	89 DA-A	89 DA-A	100 DA-A	100 DA-A
ARM Action Codes	T8						
Trt Treatment	Rate						
No. Name	Rate Unit	104	106	107	108	109	110
16 MB 98:2 @ 200 lb/A		34 a	25 ab	11 a	1 b	0 d	19 abc
LDPE							
11 + 3 d							6 bc
LSD (P=.05)	10.4	16.8	7.6	5.4	1.8	13.6	5.5
Standard Deviation	7.3	11.7	5.3	3.8	1.3	9.5	3.9
CV	36.15	109.33	118.42	177.52	155.33	73.12	78.76
Bartlett's X2	19.088	60.55	66.109	53.214	49.577	39.274	44.465
P(Bartlett's X2)	0.21	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*

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

Column 95: T8 = @AVG([C97].[C103])

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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	harv 1-5 CPSAN	
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Part Rated	#	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	
Rating Unit	Jun-12-08	Jun-12-08	Jun-24-08	Jun-24-08	Jun-24-08	Jun-24-08	Jun-24-08	Jun-24-08	
Rating Date									
Crop Stage									
Crop Stage Scale									
Assessed By	106 DA-A	106 DA-A	118 DA-A	118 DA-A	118 DA-A	118 DA-A	118 DA-A	118 DA-A	
Trt-Eval Interval	T10	T9	T11	T12					
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	7 abc	3 bcd	25 bc	9 bc	5 bcd	2 bc	47 cde	17 c-f
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	7 abc	2 bcd	12 bcd	4 bcd	19 a-d	8 abc	49 cde	18 c-f
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	4 bc	1 cd	21 bcd	7 bcd	12 a-d	5 abc	50 cde	19 b-f
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	11 abc	4 a-d	17 bcd	6 bcd	21 a-d	8 abc	66 a-d	24 a-d
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	1 c	1 d	3 d	1 d	0 d	0 c	5 f	2 f
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	1 c	0 d	1 d	0 d	4 bcd	2 bc	7 f	2 f
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	4 bc	2 cd	8 cd	3 cd	0 d	0 c	16 ef	6 ef
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	8 abc	3 a-d	8 cd	3 cd	2 cd	1 c	27 def	10 def
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	16 a	7 a	45 a	17 a	9 a-d	4 abc	103 a	41 a
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	16 a	6 ab	30 ab	12 ab	13 a-d	5 abc	82 abc	32 abc
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	13 ab	5 abc	47 a	18 a	7 a-d	3 abc	86 abc	34 abc
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	18 a	7 a	47 a	17 a	16 a-d	7 abc	94 ab	36 ab
13	MB 98:2 @ 200 lb/A LDPE 11 d	9 abc	3 a-d	11 bcd	4 bcd	23 ab	10 ab	52 cde	20 b-e
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d	9 abc	3 a-d	19 bcd	7 bcd	22 abc	9 abc	61 bcd	23 b-e
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d	12 abc	5 a-d	12 bcd	4 bcd	27 a	11 a	65 a-d	25 a-d

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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	harv 1-5 CPSAN
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Part Rated	#	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
Rating Unit	Jun-12-08	Jun-12-08	Jun-24-08	Jun-24-08	Jun-24-08	Jun-24-08	Jun-24-08	Jun-24-08
Rating Date								
Crop Stage								
Crop Stage Scale								
Assessed By								
Trt-Eval Interval	106 DA-A	106 DA-A	118 DA-A	118 DA-A	118 DA-A	118 DA-A	118 DA-A	118 DA-A
ARM Action Codes					T10	T9	T11	T12
Trt Treatment								
No. Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
Rate Unit	112	113	114	115	116	117	118	119
16 MB 98:2 @ 200 lb/A LDPE 11 + 3 d	13 ab	5 a-d	25 bc	9 bc	26 a	11 a	83 abc	32 abc
LSD (P=.05)	9.2	3.6	18.2	7.0	17.3	7.7	35.9	15.1
Standard Deviation	6.4	2.5	12.8	4.9	12.1	5.4	25.1	10.6
CV	69.37	72.55	61.91	64.92	94.37	102.11	45.09	49.84
Bartlett's X2	28.54	33.954	38.407	41.3	55.446	62.247	27.187	31.611
P(Bartlett's X2)	0.018*	0.003*	0.001*	0.001*	0.001*	0.001*	0.027*	0.007*

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

Column 106: T10 = ([C106]+[C108])

Column 107: T9 = ([C107]+[C109])

Column 108: T11 = ([C106]+[C108]+[C110]+[C112]+[C114])

Column 109: T12 = ([C107]+[C109]+[C111]+[C113]+[C115])

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Weed Code	harv 1 LYPES	harv 1 LYPES	harv 1 LYPES	harv 1 LYPES	harv 1 LYPES	harv 1 LYPES	harv 1 LYPES	harv 1 LYPES	harv 1 LYPES
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Part Rated	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	lb/plot
Rating Data Type	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot
Rating Unit	May-28-08	May-28-08	May-28-08	May-28-08	May-28-08	May-28-08	May-28-08	May-28-08	May-28-08
Rating Date	jumbo	jumbo	large	large	medium	medium	small	small	
Crop Stage									
Crop Stage Scale									
Assessed By	91 DA-A	91 DA-A	91 DA-A	91 DA-A	91 DA-A	91 DA-A	91 DA-A	91 DA-A	91 DA-A
Trt-Eval Interval									
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit
		121	122	123	124	125	126	127	128
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	7 a-d	3 a-d	6 abc	3 ab	1 ab	0 a	1 a	0 a
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	9 a-d	4 a-d	6 abc	2 a-d	1 ab	0 a	1 a	0 a
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	9 abc	6 a	4 abc	1 a-d	2 ab	0 a	1 a	0 a
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	9 abc	4 a-d	6 abc	2 a-d	2 ab	0 a	2 a	0 a
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	0 d	0 d	1 c	0 cd	1 ab	0 a	0 a	0 a
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	2 bcd	1 bcd	3 abc	1 a-d	1 ab	0 a	0 a	0 a
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	1 cd	0 d	0 c	0 d	0 b	0 a	0 a	0 a
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	1 cd	0 cd	2 bc	1 bcd	0 b	0 a	0 a	0 a
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	8 a-d	4 a-d	3 abc	1 a-d	0 b	0 a	0 a	0 a
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	11 ab	5 ab	8 ab	3 abc	1 ab	0 a	0 a	0 a
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	10 ab	4 abc	4 abc	1 a-d	0 b	0 a	0 a	0 a
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	14 a	6 a	6 abc	2 a-d	1 ab	0 a	0 a	0 a
13	MB 98:2 @ 200 lb/A LDPE 11 d	8 a-d	3 a-d	7 abc	2 a-d	2 ab	0 a	0 a	0 a
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d	8 a-d	3 a-d	9 a	3 a	2 ab	1 a	1 a	0 a
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d	16 a	6 a	10 a	3 a	3 a	1 a	1 a	0 a

University of Georgia

Weed Code	harv 1	harv 1	harv 1	harv 1	harv 1	harv 1	harv 1	harv 1	harv 1
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Rating Data Type	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	lb/plot
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot
Rating Date	May-28-08	May-28-08	May-28-08	May-28-08	May-28-08	May-28-08	May-28-08	May-28-08	May-28-08
Crop Stage	jumbo	jumbo	large	large	medium	medium	small	small	
Crop Stage Scale									
Assessed By									
Trt-Eval Interval	91 DA-A	91 DA-A	91 DA-A	91 DA-A	91 DA-A	91 DA-A	91 DA-A	91 DA-A	91 DA-A
ARM Action Codes									
Trt Treatment	Rate								
No. Name	Rate Unit	121	122	123	124	125	126	127	128
16 MB 98:2 @ 200 lb/A LDPE 11 + 3 d		10 ab	4 abc	8 ab	3 abc	1 ab	0 a	1 a	0 a
LSD (P=.05)		7.8	3.6	5.6	2.0	2.3	0.7	1.3	0.2
Standard Deviation		5.4	2.5	3.9	1.4	1.6	0.5	0.9	0.1
CV		72.16	74.28	77.03	76.61	152.07	166.83	207.61	224.65
Bartlett's X2		32.619	32.708	17.314	16.578	18.868	17.043	9.811	12.955
P(Bartlett's X2)		0.003*	0.003*	0.24	0.279	0.092	0.148	0.279	0.113

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

University of Georgia

Weed Code	harv 2 LYPES	harv 2 LYPES	harv 2 LYPES	harv 2 LYPES	harv 2 LYPES	harv 2 LYPES	harv 2 LYPES	harv 2 LYPES	harv 2 LYPES
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Part Rated	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	lb/plot
Rating Data Type	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot
Rating Unit	Jun-11-08	Jun-11-08	Jun-11-08	Jun-11-08	Jun-11-08	Jun-11-08	Jun-11-08	Jun-11-08	Jun-11-08
Rating Date	jumbo	jumbo	large	large	medium	medium	small	small	
Crop Stage									
Crop Stage Scale									
Assessed By	105 DA-A	105 DA-A	105 DA-A	105 DA-A	105 DA-A	105 DA-A	105 DA-A	105 DA-A	105 DA-A
Trt-Eval Interval									
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
		Unit							
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	42 b	21 bc	10 a	3 ab	2 a	0 ab	1 a	0 a
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	41 bc	22 bc	7 a	2 ab	1 a	0 ab	1 a	0 a
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	43 b	22 bc	8 a	3 ab	1 a	0 ab	2 a	0 a
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	48 ab	26 ab	8 a	3 ab	2 a	1 ab	3 a	0 a
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	10 e	5 e	5 a	2 ab	2 a	0 ab	0 a	0 a
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	19 e	11 de	4 a	1 ab	1 a	0 ab	2 a	0 a
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	21 de	10 de	3 a	1 b	0 a	0 b	1 a	0 a
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	23 cde	13 cde	4 a	1 ab	1 a	0 ab	1 a	0 a
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	38 bcd	22 bc	8 a	3 ab	1 a	0 ab	1 a	0 a
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	50 ab	27 ab	7 a	3 ab	1 a	0 ab	2 a	0 a
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	41 bc	22 bc	7 a	2 ab	2 a	0 ab	2 a	0 a
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	51 ab	28 ab	8 a	3 ab	1 a	0 ab	2 a	0 a
13	MB 98:2 @ 200 lb/A LDPE 11 d	38 bcd	19 bcd	6 a	2 ab	1 a	0 ab	1 a	0 a
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d	46 b	23 bc	7 a	3 ab	3 a	1 a	2 a	0 a
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d	47 ab	25 b	8 a	3 ab	1 a	0 ab	3 a	0 a

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Weed Code	harv 2	harv 2	harv 2	harv 2	harv 2	harv 2	harv 2	harv 2
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Rating Data Type	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot
Rating Date	Jun-11-08	Jun-11-08	Jun-11-08	Jun-11-08	Jun-11-08	Jun-11-08	Jun-11-08	Jun-11-08
Crop Stage	jumbo	jumbo	large	large	medium	medium	small	small
Crop Stage Scale								
Assessed By								
Trt-Eval Interval	105 DA-A	105 DA-A	105 DA-A	105 DA-A	105 DA-A	105 DA-A	105 DA-A	105 DA-A
ARM Action Codes								
Trt Treatment								
No. Name	Rate							
	Rate Unit							
16 MB 98:2 @ 200 lb/A	129	130	131	132	133	134	135	136
LDPE	65 a	35 a	11 a	4 a	3 a	1 a	3 a	0 a
11 + 3 d								
LSD (P=.05)	16.8	9.2	6.3	2.3	2.0	0.5	2.6	0.4
Standard Deviation	11.7	6.4	4.4	1.6	1.4	0.3	1.8	0.3
CV	30.2	31.08	64.99	66.22	109.1	110.58	113.8	125.72
Bartlett's X2	11.338	12.619	18.462	19.863	20.412	19.505	19.595	21.544
P(Bartlett's X2)	0.728	0.632	0.239	0.177	0.157	0.192	0.188	0.12

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

University of Georgia

Weed Code	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES	harv 3 LYPES
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Part Rated	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	lb/plot
Rating Data Type	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot
Rating Date	Jun-11-08	Jun-19-08	Jun-19-08	Jun-19-08	Jun-19-08	Jun-19-08	Jun-19-08	Jun-19-08	Jun-19-08
Crop Stage	jumbo	jumbo	large	large	medium	medium	small	small	
Crop Stage Scale									
Assessed By									
Trt-Eval Interval	105 DA-A	113 DA-A	113 DA-A	113 DA-A	113 DA-A	113 DA-A	113 DA-A	113 DA-A	113 DA-A
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
Unit	Rate Unit	137	138	139	140	141	142	143	144
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	12 a-e	6 a-e	6 bc	2 bcd	4 ab	1 ab	3 ab	0 a
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	10 a-e	5 b-e	6 bc	2 bcd	3 ab	1 ab	1 b	0 a
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	11 a-e	5 a-e	6 bc	2 bcd	2 ab	1 ab	1 ab	0 a
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	14 a-d	7 a-d	5 bc	2 bcd	3 ab	1 ab	1 ab	0 a
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	3 de	2 de	1 c	0 d	1 b	0 b	3 ab	0 a
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	10 a-e	5 b-e	4 bc	1 bcd	4 a	1 a	2 ab	0 a
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	1 e	0 e	2 c	1 cd	1 b	0 ab	0 b	0 a
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	4 de	2 de	4 bc	1 bcd	2 ab	0 ab	4 ab	1 a
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	7 cde	4 cde	4 bc	1 bcd	1 ab	0 ab	2 ab	0 a
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	8 b-e	4 cde	2 c	0 d	1 b	0 ab	2 ab	0 a
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	10 a-e	6 a-e	2 c	0 d	1 ab	0 ab	1 ab	0 a
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	13 a-d	7 a-d	3 bc	1 bcd	3 ab	1 ab	1 ab	1 a
13	MB 98:2 @ 200 lb/A LDPE 11 d	17 abc	8 abc	5 bc	2 bcd	2 ab	0 ab	3 ab	0 a
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d	20 a	11 a	16 a	6 a	4 ab	1 ab	4 a	1 a
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d	18 ab	9 abc	8 b	3 bc	3 ab	1 ab	3 ab	0 a

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Weed Code	harv 3	harv 3	harv 3	harv 3	harv 3	harv 3	harv 3	harv 3	
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Data Type	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	
Rating Date	Jun-11-08	Jun-19-08	Jun-19-08	Jun-19-08	Jun-19-08	Jun-19-08	Jun-19-08	Jun-19-08	
Crop Stage	jumbo	jumbo	large	large	medium	medium	small	small	
Crop Stage Scale									
Assessed By									
Trt-Eval Interval	105 DA-A	113 DA-A	113 DA-A	113 DA-A	113 DA-A	113 DA-A	113 DA-A	113 DA-A	
ARM Action Codes									
Trt Treatment									
No. Name	Rate Unit								
		137	138	139	140	141	142	143	144
16 MB 98:2 @ 200 lb/A LDPE 11 + 3 d		19 a	10 ab	9 b	3 b	3 ab	1 ab	2 ab	1 a
LSD (P=.05)		9.7	4.8	5.1	1.8	2.9	0.8	3.0	1.0
Standard Deviation		6.8	3.4	3.5	1.3	2.0	0.6	2.1	0.7
CV		61.99	60.79	70.72	72.73	91.76	95.03	110.7	209.51
Bartlett's X2		13.354	12.601	17.798	19.313	21.166	27.566	21.771	56.55
P(Bartlett's X2)		0.575	0.633	0.273	0.20	0.132	0.024*	0.083	0.001*

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

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Weed Code	harv 4 LYPES	harv 4 LYPES	harv 4 LYPES	harv 4 LYPES	harv 4 LYPES	harv 4 LYPES	harv 4 LYPES	harv 4 LYPES	harv 4 LYPES
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Part Rated	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	lb/plot
Rating Data Type	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot
Rating Date	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08
Crop Stage	jumbo	jumbo	large	large	medium	medium	small	small	
Crop Stage Scale									
Assessed By									
Trt-Eval Interval	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
Unit	Rate Unit	145	146	147	148	149	150	151	152
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	24 b-e	12 bcd	21 ab	8 ab	9 abc	3 abc	4 ab	1 a
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	17 de	9 cd	16 ab	6 ab	7 abc	2 abc	2 ab	0 a
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	20 cde	11 bcd	25 a	6 ab	15 a	4 a	5 ab	1 a
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	23 b-e	12 bcd	14 ab	5 ab	9 abc	3 abc	2 ab	0 a
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	8 e	4 d	6 b	2 b	4 bc	1 bc	2 ab	0 a
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	14 e	7 d	10 ab	4 b	5 abc	1 bc	4 ab	1 a
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	15 de	8 d	7 b	2 b	2 c	1 c	2 ab	0 a
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	21 cde	11 bcd	14 ab	5 ab	7 abc	2 abc	4 ab	0 a
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	41 ab	23 a	19 ab	7 ab	9 abc	2 abc	4 ab	1 a
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	44 a	24 a	17 ab	11 a	9 abc	2 abc	5 ab	1 a
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	34 a-d	19 abc	18 ab	7 ab	15 a	4 ab	9 a	1 a
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	38 abc	21 ab	21 ab	8 ab	11 abc	3 abc	2 ab	0 a
13	MB 98:2 @ 200 lb/A LDPE 11 d	25 b-e	13 bcd	17 ab	6 ab	14 ab	4 ab	5 ab	1 a
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d	19 cde	10 cd	13 ab	5 ab	7 abc	2 abc	5 ab	1 a
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d	20 cde	10 cd	13 ab	5 ab	7 abc	2 abc	1 b	0 a

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Weed Code	harv 4	harv 4	harv 4	harv 4	harv 4	harv 4	harv 4	harv 4	
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Data Type	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	
Rating Date	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	
Crop Stage	jumbo	jumbo	large	large	medium	medium	small	small	
Crop Stage Scale									
Assessed By									
Trt-Eval Interval	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	
ARM Action Codes									
Trt Treatment	Rate								
No. Name	Rate Unit	145	146	147	148	149	150	151	152
16 MB 98:2 @ 200 lb/A LDPE 11 + 3 d		23 b-e	13 bcd	12 ab	4 b	6 abc	1 abc	7 ab	2 a
LSD (P=.05)		16.6	9.3	14.9	5.3	8.7	2.5	6.2	1.2
Standard Deviation		11.6	6.5	10.4	3.7	6.1	1.8	4.3	0.8
CV		48.26	50.19	69.8	64.2	73.0	78.32	112.5	125.08
Bartlett's X2		11.938	14.112	18.953	14.136	25.742	29.354	20.235	29.939
P(Bartlett's X2)		0.684	0.517	0.216	0.515	0.041*	0.014*	0.163	0.012*

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

University of Georgia

Weed Code	harv 1-2 LYPES	harv 1-2 LYPES	harv 1-2 LYPES	harv 1-2 LYPES	harv 1-2 LYPES	harv 1-2 LYPES	harv 1-2 LYPES	harv 1-2 LYPES	
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Part Rated	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	
Rating Data Type	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	
Rating Unit	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	
Rating Date	jumbo	jumbo	large	large	medium	medium	small	small	
Crop Stage									
Crop Stage Scale									
Assessed By	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	
Trt-Eval Interval	T13	T14	T15	T16	T17	T18	T19	T20	
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit							
153	154	155	156	157	158	159	160		
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	49 b	24 bc	16 abc	6 a	3 abc	0 ab	2 a-d	0 abc
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	49 b	26 bc	13 a-d	4 a-d	2 abc	0 ab	2 a-d	0 abc
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	52 b	28 bc	11 a-d	4 a-d	3 abc	1 ab	3 a-d	0 abc
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	57 ab	30 abc	14 a-d	5 abc	4 abc	1 ab	5 a	1 a
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	10 c	5 e	6 cd	2 bcd	3 abc	1 ab	0 d	0 c
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	21 c	12 e	7 bcd	2 bcd	1 bc	0 b	2 a-d	0 abc
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	21 c	10 e	3 d	1 d	0 c	0 b	1 cd	0 bc
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	24 c	14 de	6 cd	2 cd	1 bc	0 b	1 bcd	0 bc
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	46 b	26 bc	11 a-d	4 a-d	1 abc	1 ab	1 a-d	0 abc
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	61 ab	32 abc	15 abc	5 abc	2 abc	0 ab	2 a-d	0 abc
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	51 b	27 bc	12 a-d	4 a-d	2 abc	0 ab	2 a-d	0 abc
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	65 ab	35 ab	14 a-d	5 a-d	2 abc	1 ab	2 a-d	0 abc
13	MB 98:2 @ 200 lb/A LDPE 11 d	45 b	23 cd	12 a-d	4 a-d	3 abc	1 ab	2 a-d	0 abc
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d	53 b	26 bc	16 abc	6 abc	5 a	1 a	3 a-d	0 abc
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d	63 ab	31 abc	17 ab	6 ab	4 ab	1 ab	4 abc	1 ab

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Weed Code	harv 1-2	harv 1-2	harv 1-2	harv 1-2	harv 1-2	harv 1-2	harv 1-2	harv 1-2	harv 1-2
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Rating Data Type	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	lb/plot
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot
Rating Date	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08
Crop Stage	jumbo	jumbo	large	large	medium	medium	small	small	
Crop Stage Scale									
Assessed By									
Trt-Eval Interval	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A
ARM Action Codes	T13	T14	T15	T16	T17	T18	T19	T20	
Trt Treatment									
No. Name	Rate								
	Rate Unit								
16 MB 98:2 @ 200 lb/A LDPE 11 + 3 d	75 a	40 a	19 a	7 a	4 abc	1 ab	4 ab	1 abc	
LSD (P=.05)	18.6	9.8	8.9	3.3	3.0	0.8	3.0	0.4	
Standard Deviation	13.0	6.8	6.3	2.3	2.1	0.6	2.1	0.3	
CV	28.12	28.27	52.67	54.25	89.94	98.58	101.54	106.2	
Bartlett's X2	14.266	14.423	8.797	10.964	22.207	26.078	15.931	13.998	
P(Bartlett's X2)	0.505	0.494	0.888	0.755	0.102	0.037*	0.387	0.526	

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

Column 142: T13 = ([C121]+[C129])

Column 143: T14 = ([C122]+[C130])

Column 144: T15 = ([C123]+[C131])

Column 145: T16 = ([C124]+[C132])

Column 146: T17 = ([C125]+[C133])

Column 147: T18 = ([C126]+[C134])

Column 148: T19 = ([C127]+[C135])

Column 149: T20 = ([C128]+[C136])

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Weed Code	harv 1-4 LYPES	harv 1-4 LYPES	harv 1-4 LYPES	harv 1-4 LYPES	harv 1-4 LYPES	harv 1-4 LYPES	harv 1-4 LYPES	harv 1-4 LYPES	harv 1-4 LYPES
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Part Rated	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot
Rating Data Type	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot
Rating Unit	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08
Rating Date	jumbo	jumbo	large	large	medium	medium	small	small	
Crop Stage									
Crop Stage Scale									
Assessed By	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A
Trt-Eval Interval	T21	T22	T23	T24	T25	T26	T27	T28	
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
		Unit							
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	84 bc	42 de	43 ab	16 a	15 ab	4 abc	8 ab	1 ab
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	76 cd	40 de	35 abc	12 abc	11 abc	3 abc	4 ab	1 b
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	84 bc	44 bcd	42 ab	13 abc	19 a	6 a	8 ab	1 ab
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	94 abc	49 a-d	33 abc	12 abc	16 ab	4 abc	8 ab	1 ab
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	21 e	11 f	12 c	5 c	7 bc	2 bc	5 ab	1 b
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	45 e	23 f	20 bc	7 bc	10 abc	3 abc	8 ab	1 ab
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	37 e	18 f	12 c	4 c	3 c	1 c	2 b	0 b
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	49 de	26 ef	24 abc	9 abc	10 abc	2 abc	8 ab	1 ab
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	94 abc	53 a-d	33 abc	12 abc	11 abc	3 abc	7 ab	1 ab
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	112 ab	60 abc	34 abc	16 a	12 abc	3 abc	8 ab	1 ab
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	95 abc	51 a-d	31 abc	11 abc	17 ab	4 abc	12 ab	2 ab
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	115 ab	63 a	38 ab	14 ab	16 ab	4 abc	5 ab	2 ab
13	MB 98:2 @ 200 lb/A LDPE 11 d	87 abc	44 cd	34 abc	12 abc	18 ab	5 ab	9 ab	1 ab
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d	93 abc	46 a-d	44 a	16 a	15 ab	4 abc	12 a	2 ab
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d	101 abc	50 a-d	38 ab	13 ab	14 abc	4 abc	8 ab	1 ab

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Weed Code	harv 1-4	harv 1-4	harv 1-4	harv 1-4	harv 1-4	harv 1-4	harv 1-4	harv 1-4	harv 1-4
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Rating Data Type	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	lb/plot
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot
Rating Date	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08	Jun-26-08
Crop Stage	jumbo	jumbo	large	large	medium	medium	small	small	
Crop Stage Scale									
Assessed By									
Trt-Eval Interval	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A
ARM Action Codes	T21	T22	T23	T24	T25	T26	T27	T28	
Trt Treatment	Rate								
No. Name	Rate Unit	161	162	163	164	165	166	167	168
16 MB 98:2 @ 200 lb/A LDPE 11 + 3 d		118 a	62 ab	39 ab	14 ab	12 abc	3 abc	13 a	3 a
LSD (P=.05)		27.7	15.5	19.6	7.1	9.9	3.0	8.2	1.6
Standard Deviation		19.4	10.9	13.7	5.0	7.0	2.1	5.7	1.1
CV		23.83	25.5	43.16	42.41	54.08	59.93	73.67	89.6
Bartlett's X2		5.333	6.838	12.756	11.111	21.362	19.526	19.991	28.244
P(Bartlett's X2)		0.989	0.962	0.621	0.745	0.126	0.191	0.172	0.02*

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

Column 150: T21 = ([C121]+[C129]+[C137]+[C145])

Column 151: T22 = ([C122]+[C130]+[C138]+[C146])

Column 152: T23 = ([C123]+[C131]+[C139]+[C147])

Column 153: T24 = ([C124]+[C132]+[C140]+[C148])

Column 154: T25 = ([C125]+[C133]+[C141]+[C149])

Column 155: T26 = ([C126]+[C134]+[C142]+[C150])

Column 156: T27 = ([C127]+[C135]+[C143]+[C151])

Column 157: T28 = ([C128]+[C136]+[C144]+[C152])

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Weed Code	Harv1-4 LYPES	Harv1-4 LYPES	harv 1 CUMMC	harv 1 CUMMC	harv 2 CUMMC	harv 2 CUMMC	harv 3 CUMMC	harv 3 CUMMC	
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Part Rated	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	
Rating Data Type	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	
Rating Date	Jun-26-08	Jun-26-08	May-24-08	May-24-08	May-26-08	May-26-08	May-29-08	May-02-08	
Crop Stage	ALL	ALL							
Crop Stage Scale									
Assessed By									
Trt-Eval Interval	120 DA-A	120 DA-A	87 DA-A	87 DA-A	89 DA-A	89 DA-A	92 DA-A	65 DA-A	
ARM Action Codes	T38	T37							
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	
		169	170	172	173	174	175	176	177
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	150 ab	63 ab	0 c	0 b	1 ab	6 a	1 b	1 b
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	126 bc	56 bc	0 c	0 b	3 ab	12 a	1 b	2 b
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	152 ab	63 ab	0 c	0 b	3 ab	14 a	2 ab	4 ab
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	150 ab	67 ab	1 bc	1 b	2 ab	10 a	2 ab	4 ab
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	45 d	18 d	0 c	0 b	1 ab	5 a	0 b	0 b
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	83 cd	34 cd	0 c	0 b	0 b	1 a	0 b	0 b
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	54 d	24 d	0 c	0 b	0 b	0 a	0 b	0 b
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	90 cd	38 cd	0 c	0 b	1 ab	5 a	1 b	1 b
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	145 ab	69 ab	0 c	0 b	1 ab	6 a	1 b	2 b
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	165 ab	81 a	0 c	0 b	3 ab	15 a	1 b	2 b
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	154 ab	68 ab	0 bc	0 b	3 ab	13 a	1 b	3 b
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	174 ab	83 a	0 c	0 b	4 a	18 a	3 a	9 a
13	MB 98:2 @ 200 lb/A LDPE 11 d	148 ab	62 ab	2 a	3 a	1 ab	7 a	1 b	2 b
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d	164 ab	68 ab	1 b	1 b	2 ab	13 a	2 ab	4 ab
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d	160 ab	68 ab	1 bc	1 b	2 ab	15 a	2 ab	4 ab

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Weed Code	Harv1-4	Harv1-4	harv 1	harv 1	harv 2	harv 2	harv 3	harv 3
Crop Code	LYPES	LYPES	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Rating Data Type	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot
Rating Date	Jun-26-08	Jun-26-08	May-24-08	May-24-08	May-26-08	May-26-08	May-29-08	May-02-08
Crop Stage	ALL	ALL						
Crop Stage Scale								
Assessed By								
Trt-Eval Interval	120 DA-A	120 DA-A	87 DA-A	87 DA-A	89 DA-A	89 DA-A	92 DA-A	65 DA-A
ARM Action Codes	T38	T37						
Trt Treatment	Rate							
No. Name	Rate Unit	169	170	172	173	174	175	176
16 MB 98:2 @ 200 lb/A LDPE 11 + 3 d		182 a	82 a	0 bc	1 b	3 ab	16 a	3 a
LSD (P=.05)		47.2	20.6	0.7	1.5	2.7	15.1	1.8
Standard Deviation		33.0	14.4	0.5	1.1	1.9	10.6	1.2
CV		24.66	24.37	162.64	254.0	104.37	109.01	113.98
Bartlett's X2		9.533	7.009	7.53	20.725	18.527	20.516	20.331
P(Bartlett's X2)		0.848	0.957	0.184	0.001*	0.184	0.115	0.061

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

Column 158: T38 = [C161]+[C163]+[C165]+[C167]

Column 159: T37 = [C162]+[C164]+[C166]+[C168]

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Weed Code	harv 4 CUMMC	harv 4 CUMMC	harv 5 CUMMC	harv 5 CUMMC	harv 6 CUMMC	harv 6 CUMMC	harv 7 CUMMC	harv 7 CUMMC	
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Part Rated	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	
Rating Data Type	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	
Rating Date	Jun-02-08	Jun-02-08	Jun-05-08	Jun-05-08	Jun-09-08	Jun-09-08	Jun-11-08	Jun-11-08	
Crop Stage									
Crop Stage Scale									
Assessed By									
Trt-Eval Interval	96 DA-A	96 DA-A	99 DA-A	99 DA-A	103 DA-A	103 DA-A	105 DA-A	105 DA-A	
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
Unit	Rate Unit	178	179	180	181	182	183	184	185
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	4 bcd	14 b-e	6 abc	20 a-d	3 abc	11 abc	0 c	2 bcd
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	3 bcd	11 c-f	5 abc	17 a-e	2 abc	6 abc	1 bc	3 bcd
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	6 ab	18 a-d	7 a	25 a	4 abc	13 abc	2 ab	7 abc
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	8 a	30 a	5 abc	19 a-d	4 abc	13 abc	0 c	0 d
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	0 d	0 f	1 cd	4 def	1 bc	3 abc	0 c	0 d
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	1 cd	3 ef	0 d	1 ef	1 bc	3 abc	0 c	0 d
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	0 d	0 f	0 d	0 f	0 c	0 c	0 c	0 d
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	2 cd	7 def	2 bcd	7 c-f	1 bc	3 bc	2 ab	6 abc
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	2 cd	2 ef	5 abc	15 a-f	5 ab	18 ab	1 bc	5 a-d
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	4 bcd	12 c-f	3 a-d	9 b-f	6 a	19 a	2 ab	6 abc
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	4 a-d	14 cde	7 ab	24 ab	3 abc	13 abc	2 a	9 a
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	5 abc	20 a-d	3 a-d	12 a-f	3 abc	14 abc	2 ab	7 ab
13	MB 98:2 @ 200 lb/A LDPE 11 d	4 abc	16 bcd	5 abc	20 a-d	4 abc	15 abc	1 bc	4 a-d
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d	5 abc	27 ab	4 a-d	14 a-f	2 abc	10 abc	0 c	0 d
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d	5 abc	21 abc	6 abc	23 abc	2 abc	6 abc	1 bc	2 bcd

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Weed Code	harv 4	harv 4	harv 5	harv 5	harv 6	harv 6	harv 7	harv 7
Crop Code	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Rating Data Type	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot
Rating Date	Jun-02-08	Jun-02-08	Jun-05-08	Jun-05-08	Jun-09-08	Jun-09-08	Jun-11-08	Jun-11-08
Crop Stage								
Crop Stage Scale								
Assessed By								
Trt-Eval Interval	96 DA-A	96 DA-A	99 DA-A	99 DA-A	103 DA-A	103 DA-A	105 DA-A	105 DA-A
ARM Action Codes								
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate
		Unit	Unit	Unit	Unit	Unit	Unit	Unit
178			179		180		181	
182			183		184		185	
16	MB 98:2 @ 200 lb/A LDPE 11 + 3 d	5 abc	19 a-d	6 ab	22 abc	2 abc	7 abc	1 bc 1 cd
LSD (P=.05)		3.5	11.3	3.9	13.8	3.5	13.6	1.0 4.5
Standard Deviation		2.4	7.9	2.7	9.7	2.5	9.5	0.7 3.2
CV		69.64	58.92	68.66	66.55	98.09	99.39	95.54 100.28
Bartlett's X2		15.197	21.514	20.243	16.904	12.686	15.179	9.412 18.755
P(Bartlett's X2)		0.295	0.063	0.123	0.261	0.551	0.366	0.584 0.066

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

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Weed Code	harv 8 CUMMC	harv 8 CUMMC	harv 9 CUMMC	harv 9 CUMMC	harv 10 CUMMC	harv 10 CUMMC	harv 11 CUMMC	harv 11 CUMMC	
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Part Rated	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	
Rating Data Type	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	
Rating Date	Jun-13-08	Jun-13-08	Jun-16-08	Jun-16-08	Jun-20-08	Jun-20-08	Jun-23-08	Jun-23-08	
Crop Stage									
Crop Stage Scale									
Assessed By									
Trt-Eval Interval	107 DA-A	107 DA-A	110 DA-A	110 DA-A	114 DA-A	114 DA-A	117 DA-A	117 DA-A	
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
Unit	Rate Unit	186	187	188	189	190	191	192	193
1	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	0 b	0 b	1 bc	6 bc	2 bcd	10 abc	1 abc	6 bc
2	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	1 ab	3 ab	2 abc	11 abc	2 bcd	12 abc	1 bc	3 bc
3	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	1 ab	2 b	3 abc	0 c	2 bcd	9 abc	2 abc	7 bc
4	DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	1 ab	2 b	0 c	0 c	2 bcd	10 abc	2 abc	6 bc
5	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	0 b	0 b	1 c	2 c	1 cd	2 c	1 c	2 bc
6	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	0 b	0 b	0 c	5 bc	0 d	2 c	1 bc	3 bc
7	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	1 ab	2 b	1 c	3 bc	1 bcd	7 bc	0 c	0 c
8	DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	2 a	10 a	4 ab	20 a	4 abc	18 ab	4 a	10 abc
9	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	1 ab	4 ab	5 a	20 a	6 a	25 a	2 abc	8 bc
10	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	1 ab	5 ab	3 abc	13 ab	4 ab	23 a	3 abc	13 ab
11	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	1 ab	5 ab	1 c	3 bc	3 a-d	14 abc	4 ab	15 ab
12	DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	1 ab	2 b	2 bc	8 bc	3 a-d	16 abc	3 abc	11 abc
13	MB 98:2 @ 200 lb/A LDPE 11 d	1 ab	4 ab	1 c	5 bc	2 bcd	11 abc	2 abc	8 bc
14	MB 98:2 @ 200 lb/A LDPE 11 + 1 d	1 ab	2 b	2 abc	9 bc	2 bcd	13 abc	2 abc	7 bc
15	MB 98:2 @ 200 lb/A LDPE 11 + 2 d	1 ab	3 ab	1 c	4 bc	2 bcd	11 abc	4 a	21 a

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Weed Code	harv 8	harv 8	harv 9	harv 9	harv 10	harv 10	harv 11	harv 11	
Crop Code	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Data Type	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	
Rating Date	Jun-13-08	Jun-13-08	Jun-16-08	Jun-16-08	Jun-20-08	Jun-20-08	Jun-23-08	Jun-23-08	
Crop Stage									
Crop Stage Scale									
Assessed By									
Trt-Eval Interval	107 DA-A	107 DA-A	110 DA-A	110 DA-A	114 DA-A	114 DA-A	117 DA-A	117 DA-A	
ARM Action Codes									
Trt Treatment	Rate								
No. Name	Rate Unit	186	187	188	189	190	191	192	193
16 MB 98:2 @ 200 lb/A LDPE 11 + 3 d		0 b	1 b	2 abc	5 bc	3 a-d	15 abc	2 abc	11 abc
LSD (P=.05)		1.3	6.5	2.4	9.4	2.7	13.7	2.5	10.8
Standard Deviation		0.9	4.5	1.7	6.6	1.9	9.6	1.7	7.6
CV		154.87	156.65	99.97	93.13	77.93	78.18	90.84	90.96
Bartlett's X2		15.631	18.141	29.61	31.687	20.738	18.277	22.231	17.503
P(Bartlett's X2)		0.209	0.111	0.009*	0.004*	0.145	0.248	0.074	0.23

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

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Weed Code	harv 12 CUMMC	harv 12 CUMMC	harv 1-4 CUMMC	harv 1-4 CUMMC	harv 1-8 CUMMC	harv 1-8 CUMMC	harv1-12 CUMMC	harv1-12 CUMMC	
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Part Rated	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	
Rating Data Type	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	
Rating Unit	Jul-01-08	Jul-01-08	Jul-01-08	Jul-01-08	Jul-01-08	Jul-01-08	Jul-01-08	Jul-01-08	
Rating Date									
Crop Stage									
Crop Stage Scale									
Assessed By									
Trt-Eval Interval	125 DA-A	125 DA-A	125 DA-A	125 DA-A	125 DA-A	125 DA-A	125 DA-A	125 DA-A	
ARM Action Codes			T29	T30	T31	T32	T33	T34	
Trt Treatment	Rate								
No. Name	Rate Unit	194	195	196	197	198	199	200	201
1 DMDS 79:21 @ 70 G LDPE 1.25 mil 11 d	2 ab	7 b	5 bcd	22 cde	14 bc	54 ab	20 c	83 b	
2 DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 1 d	3 ab	12 ab	6 bcd	25 b-e	14 bc	54 ab	22 bc	91 ab	
3 DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 2 d	3 ab	12 ab	10 ab	36 abc	23 a	82 a	32 a	111 ab	
4 DMDS 79:21 @ 70 G LDPE 1.25 mil 11 + 3 d	3 ab	15 ab	12 a	45 ab	22 ab	79 a	28 abc	110 ab	
5 DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 d	1 b	2 b	1 de	5 ef	3 de	12 cd	5 d	20 c	
6 DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 1 d	1 b	5 b	2 de	5 ef	3 de	9 cd	5 d	24 c	
7 DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 2 d	1 b	7 b	0 e	0 f	1 e	2 d	4 d	19 c	
8 DMDS 79:21 @ 70 G VIF 1.25 mil Blocade 11 + 3 d	3 ab	16 ab	4 cde	13 def	10 cd	39 bc	24 abc	102 ab	
9 DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 d	2 ab	9 ab	4 cde	10 def	15 abc	53 ab	28 abc	116 ab	
10 DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 1 d	2 ab	7 b	7 abc	29 a-d	18 abc	68 ab	29 abc	125 ab	
11 DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 2 d	2 ab	8 ab	7 abc	29 a-d	20 ab	80 a	29 abc	120 ab	
12 DMDS 100% @ 60 G VIF 1.25 mil Blocade 11 + 3 d	2 ab	10 ab	12 a	47 a	20 ab	82 a	29 abc	127 ab	
13 MB 98:2 @ 200 lb/A LDPE 11 d	5 a	28 a	8 abc	29 a-d	19 ab	71 ab	29 abc	123 ab	
14 MB 98:2 @ 200 lb/A LDPE 11 + 1 d	2 ab	10 ab	10 ab	45 ab	16 abc	71 ab	24 abc	110 ab	
15 MB 98:2 @ 200 lb/A LDPE 11 + 2 d	4 ab	20 ab	10 ab	41 abc	19 ab	75 a	30 abc	131 a	

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Weed Code	harv 12	harv 12	harv 1-4	harv 1-4	harv 1-8	harv 1-8	harv1-12	harv1-12	
Crop Code	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
Rating Data Type	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	#/plot	lb/plot	
Rating Unit	per plot	per plot	per plot	per plot	per plot	per plot	per plot	per plot	
Rating Date	Jul-01-08	Jul-01-08	Jul-01-08	Jul-01-08	Jul-01-08	Jul-01-08	Jul-01-08	Jul-01-08	
Crop Stage									
Crop Stage Scale									
Assessed By									
Trt-Eval Interval	125 DA-A	125 DA-A	125 DA-A	125 DA-A	125 DA-A	125 DA-A	125 DA-A	125 DA-A	
ARM Action Codes			T29	T30	T31	T32	T33	T34	
Trt Treatment	Rate								
No. Name	Rate Unit	194	195	196	197	198	199	200	201
16 MB 98:2 @ 200 lb/A LDPE 11 + 3 d	5 ab	21 ab	12 a	45 ab	20 ab	76 a	32 ab	128 ab	
LSD (P=.05)	3.3	17.1	4.6	19.2	7.3	30.6	8.6	39.4	
Standard Deviation	2.3	12.0	3.2	13.4	5.1	21.4	6.0	27.6	
CV	99.34	102.32	47.32	50.47	34.98	37.69	26.22	28.7	
Bartlett's X2	28.877	31.357	10.968	7.87	28.319	20.413	36.497	17.513	
P(Bartlett's X2)	0.017*	0.008*	0.689	0.896	0.02*	0.157	0.001*	0.289	

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

Column 184: T29 = ([C172]+[C174]+[C176]+[C178])

Column 185: T30 = ([C173]+[C175]+[C177]+[C179])

Column 186: T31 = ([C172]+[C174]+[C176]+[C178]+[C180]+[C182]+[C184]+[C186])

Column 187: T32 = ([C173]+[C175]+[C177]+[C179]+[C181]+[C183]+[C185]+[C187])

Column 188: T33 = ([C172]+[C174]+[C176]+[C178]+[C180]+[C182]+[C184]+[C186]+[C188]+[C190]+[C192]+[C194])

Column 189: T34 = ([C173]+[C175]+[C177]+[C179]+[C181]+[C183]+[C185]+[C187]+[C189]+[C191]+[C193]+[C195])

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Crop 4: CUMMC CANTALOUPE **Variety:** Athena
Planting Date: Mar-11-08 **Planting Method:** transplant
Rate: 1 2 feet **Depth:** 1.5 in **Perennial Age:** ____ ____
Row Spacing: 6 feet **Spacing Within Row:** 2 feet **Seed Bed:** mulched
Soil Temperature: 67 f **Soil Moisture:** moist **Emergence Date:** _____

Crop 5: LYPES TOMATO **Variety:** Bella Rosa
Planting Date: Mar-11-08 **Planting Method:** transplant
Rate: 1 18 inch **Depth:** 1.5 in **Perennial Age:** ____ ____
Row Spacing: 6 feet **Spacing Within Row:** 18 inch **Seed Bed:** mulched
Soil Temperature: 67 f **Soil Moisture:** moist **Emergence Date:** _____

Crop 6: CPSAN PEPPER **Variety:** Hertiage
Planting Date: Mar-11-08 **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: 67 f **Soil Moisture:** moist **Emergence Date:** _____

Crop 7: CUMMC CANTALOUPE **Variety:** Athena
Planting Date: Mar-12-08 **Planting Method:** transplant
Rate: 1 2 feet **Depth:** 1.5 in **Perennial Age:** ____ ____
Row Spacing: 6 feet **Spacing Within Row:** 2 feet **Seed Bed:** mulched
Soil Temperature: 79 f **Soil Moisture:** moist **Emergence Date:** _____

Crop 8: LYPES TOMATO **Variety:** Bella Rosa
Planting Date: Mar-12-08 **Planting Method:** transplant
Rate: 1 18 inch **Depth:** 1.5 in **Perennial Age:** ____ ____
Row Spacing: 6 feet **Spacing Within Row:** 18 inch **Seed Bed:** mulched
Soil Temperature: 67 f **Soil Moisture:** moist **Emergence Date:** _____

Crop 9: CPSAN PEPPER **Variety:** Hertiage
Planting Date: Mar-12-08 **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: 79 f **Soil Moisture:** moist **Emergence Date:** _____

Crop 10: CUMMC CANTALOUPE **Variety:** Athena
Planting Date: Mar-13-08 **Planting Method:** transplant
Rate: 1 2 feet **Depth:** 1.5 in **Perennial Age:** ____ ____
Row Spacing: 6 feet **Spacing Within Row:** 2 feet **Seed Bed:** mulched
Soil Temperature: 77 f **Soil Moisture:** moist **Emergence Date:** _____

Crop 11: LYPES TOMATO **Variety:** Bella Rosa
Planting Date: Mar-13-08 **Planting Method:** transplant
Rate: 1 18 inch **Depth:** 1.5 in **Perennial Age:** ____ ____
Row Spacing: 6 feet **Spacing Within Row:** 18 inch **Seed Bed:** mulched
Soil Temperature: 77 f **Soil Moisture:** moist **Emergence Date:** _____

Crop 12: CPSAN PEPPER **Variety:** Hertiage
Planting Date: Mar-13-08 **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: 77 f **Soil Moisture:** moist **Emergence Date:** _____

SITE AND DESIGN

Plot Width, Unit: 6 FT **Plot Length, Unit:** 20 FT **Reps:** 4
Site Type: Ponder Farm Research Station
Tillage Type: Conventional **Study Design:** FACTORIAL

Trial Initiation Comments:

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	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: 90	% OM: 1.2	Texture: sandy loam
% Silt: 6	pH: 6.3	Soil Name: Tifton sandy loam
% Clay: 4	CEC: _____	Fert. Level: _____

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION

	A
Application Date:	Feb-27-08
Time of Day:	10 am
Application Method:	banded
Application Timing:	preplant
Applic. Placement:	in bed
Air Temp., Unit:	66 F
% Relative Humidity:	45
Wind Velocity, Unit:	3 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	58 F
Soil Moisture:	moist
% Cloud Cover:	20

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CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	CUMMC A
Stage Scale:	preplant
Height, Unit:	0 inch
Crop 2 Code, Stage:	LYPES A
Stage Scale:	preplant
Height, Unit:	0 inch
Crop 3 Code, Stage:	CPSAN A
Stage Scale:	preplant
Height, Unit:	0 inch
Crop 4 Code, Stage:	CUMMC A
Stage Scale:	preplant
Height, Unit:	0 inch
Crop 5 Code, Stage:	LYPES A
Stage Scale:	preplant
Height, Unit:	0 inch
Crop 6 Code, Stage:	CPSAN A
Stage Scale:	preplant
Height, Unit:	0 inch
Crop 7 Code, Stage:	CUMMC A
Stage Scale:	preplant
Height, Unit:	0 inch
Crop 8 Code, Stage:	LYPES A
Stage Scale:	preplant
Height, Unit:	0 inch
Crop 9 Code, Stage:	CPSAN A
Stage Scale:	preplant
Height, Unit:	0 inch
Crop10 Code, Stage:	CUMMC A
Stage Scale:	preplant
Height, Unit:	0 inch
Crop11 Code, Stage:	LYPES A
Stage Scale:	preplant
Height, Unit:	0 inch
Crop12 Code, Stage:	CPSAN A
Stage Scale:	preplant
Height, Unit:	0 inch

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	
Stage Scale:	
Density, Unit:	

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APPLICATION EQUIPMENT

	A
Appl. Equipment:	superbedd
Operating Pressure:	
Nozzle Type:	shank
Nozzle Size:	injected
Nozzle Spacing, Unit:	11.5 in
Nozzles/Row:	
Band Width, Unit:	
Boom Length, Unit:	
Boom Height, Unit:	
Ground Speed, Unit:	3 mph
Incorporation Equip.:	
Hours to Incorp.:	
Incorp. Depth, Unit:	
Carrier:	water
Spray Volume, Unit:	14.8 GPA
Spray pH:	
Propellant:	CO2
Tank Mix (Y/N):	Y

Trt No	Treatment Application Comment