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Tomato, pepper, and cantaloupe response to Reflex.

Trial ID: Veg18-08

Study Dir.: Davis, Culpepper

Location: Tifton

Investigator: Stanley Culpepper

Reps: 4

Plots: 6 by 80 feet

Spray vol: 24 gal/ac

Mix size: 3 liters (min 4.0044)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Form Rate	Rate Unit	Grow Stg	Appl Code	Amt to Measure	Product	Plot No. By Rep			
											1	2	3	4
1	No herbicide										101	204	301	403
2	Reflex	2	L		1	PT/A	PREUPL	A	15.62 ml/mx		102	201	303	401
3	Reflex	2	L		2	PT/A	PREUPL	A	31.25 ml/mx		103	202	304	402
4	Reflex	2	L		2	PT/A	PREUPL	A	31.25 ml/mx		104	203	302	404
	Dual Magnum	7.62	L		12	OZ/A	PREUPL	A	11.72 ml/mx					

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
97.646	ml	Reflex	2	L	
14.648	ml	Dual Magnum	7.62	L	

* 'Per area' calculations based on spray volume= 24 gal/ac, mix size= 3 liters (mix size basis).

* Product amount calculations increased 25 % for overage adjustment.

Trial Comments

OBJECTIVE: Determine transplant tomato, cantaloupe, and pepper response to Reflex applied preplant under mulch in the spring. Also to determine the carryover injury from Reflex applied PRE in a spring crop to fall crops planted six months later.

Tomato Response:

1. Only Reflex at 2 pt/A visually stunted tomato more than 2.5% (up to 11%).
2. Herbicide treatments did not impact tomato plant heights (9 plants per plot measured).
3. Over 7 harvests, herbicide treatments did not impact the number or weight of jumbo, large, medium, or small fruit produced.

Cantaloupe Response:

1. Reflex at 1 and 2 pt/A visually stunted cantaloupe up to 11 and 21%, respectively.
2. Herbicide treatments did not impact cantaloupe runner lengths (7 plants measured per plot).
3. When combining harvests 1-4, 1-8, or 1-13, herbicide treatments did not impact the number or weight of cantaloupe fruit harvested.

Pepper Response:

1. Reflex at 1 and 2 pt/A visually stunted pepper up to 9 and 18%, respectively.
2. Herbicide treatments did not impact pepper heights (20 plants per plot measured).
3. Over 5 harvests, Herbicide treatment did not impact the number or weight of Jumbo fruit harvested.

CROP 2 FALL PLANTBACK

1. Cucumber and squash were not impacted.
2. Sorghum growth was reduced at least 20% following Reflex spring treatments.
3. Kale growth was reduced by 27% following 1 pt of Reflex and 75% when following 2 pt of Reflex (10 plants per plot measured).
4. Kale head harvest was reduced 50 and 85% by 1 and 2 pt/A of Reflex, respectively.
5. Cabbage plant heights were reduced up to 33 and 80% by 1 and 2 pt/A of Reflex, respectively.
6. Cabbage plant stands were reduced 33 and 90% by 1 and 2 pt/A of Reflex, respectively.
7. Broccoli plant stands were reduced at least 40% and head weights were reduced at least 58% when following Reflex.

1. Reflex at 1 pt/A injured cucumber up to 18%; 2 pt injured cucumber up to 34%.
2. Mixing Dual with Reflex caused severe injury (55-86%).

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3. Reflex at 1 pt, 2 pt and 2 pt + Dual reduced plant biomass for 12 potential plants 38%, 60%, and 71%, respectively, compared to the non-treated control.
4. Height of ten plants per plot were measured twice during the season. At 6 wk after planting, Reflex at 1 pt, 2 pt, and 2 pt plus Dual Magnum reduced plant growth 18%, 40%, and 68% compared to the non-treated control.
5. Marketable fruit were harvested 10 times. All treatments reduced early and total harvest. Reflex at 1 pt, 2 pt, and 2 pt plus Dual reduced total yield 20%, 47%, and 67% respectively.

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Tomato, pepper, and cantaloupe response to Reflex.

Trial ID: Veg18-08

Study Dir.: Davis, Culpepper

Location: Tifton

Investigator: Stanley Culpepper

Weed Code	LYPES	LYPES	LYPES	LYPES	CUMMC	CUMMC	CUMMC	CUMMC	
Crop Code									
Part Rated									
Rating Data Type	injury	injury	injury	injury	injury	injury	injury	injury	
Rating Unit	percent	percent	percent	percent	percent	percent	percent	percent	
Rating Date	Apr-08-08	Apr-21-08	May-02-08	May-25-08	Apr-08-08	Apr-21-08	May-02-08	May-25-08	
Crop Stage									
Weed Density, Unit									
Trt-Eval Interval	42 DA-A	55 DA-A	66 DA-A	89 DA-A	42 DA-A	55 DA-A	66 DA-A	89 DA-A	
ARM Action Codes									
Trt Treatment	Rate								
No. Name	Rate Unit	1	2	3	4	6	7	8	
9									
1 No herbicide		0 a	3 a	0 a	0 b	0 b	7 b	0 a	0 a
2 Reflex	1 PT/A	0 a	3 a	2 a	3 ab	9 ab	11 ab	1 a	3 a
3 Reflex	2 PT/A	5 a	9 a	6 a	11 a	11 a	21 ab	1 a	3 a
4 Reflex	2 PT/A	3 a	5 a	0 a	0 b	15 a	24 a	4 a	0 a
Dual Magnum	12 OZ/A								
LSD (P=.05)		5.5	10.6	6.1	8.9	9.6	14.3	5.7	6.6
Standard Deviation		3.4	6.6	3.8	5.5	6.0	8.9	3.5	4.1
CV		183.25	144.57	184.32	161.26	68.68	56.9	209.57	299.13
Bartlett's X2		0.059	0.896	0.572	0.788	1.487	3.057	2.706	0.095
P(Bartlett's X2)		0.807	0.826	0.45	0.375	0.475	0.383	0.258	0.758

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

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Weed Code					plant 1	plant 2	plant 3	plant 4
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	LYPES	LYPES	LYPES	LYPES
Part Rated								
Rating Data Type	injury	injury	injury	injury	ht	ht	ht	ht
Rating Unit	percent	percent	percent	percent	cm	cm	cm	cm
Rating Date	Apr-08-08	Apr-21-08	May-02-08	May-25-08	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08
Crop Stage								
Weed Density, Unit								
Trt-Eval Interval	42 DA-A	55 DA-A	66 DA-A	89 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A
ARM Action Codes								
Trt No.	11	12	13	14	16	17	18	19
Treatment Name								
Rate								
Unit								
1 No herbicide	0 a	6 a	0 c	0 a	12 a	18 a	17 a	17 a
2 Reflex 1 PT/A	3 a	4 a	9 b	3 a	18 a	17 a	18 a	18 a
3 Reflex 2 PT/A	5 a	9 a	18 a	6 a	15 a	15 a	14 a	15 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	5 a	8 a	9 b	3 a	17 a	17 a	18 a	16 a
LSD (P=.05)	8.5	9.3	3.3	8.7	7.0	3.5	3.9	4.3
Standard Deviation	5.3	5.8	2.0	5.4	4.4	2.2	2.5	2.7
CV	170.75	88.21	23.33	192.59	28.88	13.05	14.65	16.36
Bartlett's X2	0.074	2.331	1.936	0.654	11.999	0.894	4.757	0.592
P(Bartlett's X2)	0.963	0.507	0.38	0.721	0.007*	0.827	0.19	0.898

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

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Weed Code	plant 5	plant 6	plant 7	plant 8	plant 9	Vag9plan	plant 1	plant 2
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
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	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	May-05-08	May-05-08
Crop Stage								
Weed Density, Unit								
Trt-Eval Interval	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	69 DA-A	69 DA-A
ARM Action Codes						T1		
Trt Treatment								
Rate								
No. Name	20	21	22	23	24	25	27	28
1 No herbicide	18 a	19 a	17 a	18 a	17 a	17 ab	63 a	69 a
2 Reflex 1 PT/A	17 a	18 ab	17 a	19 a	17 ab	17 a	63 a	62 ab
3 Reflex 2 PT/A	15 a	15 b	14 a	15 a	14 b	15 b	58 a	59 b
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	17 a	17 ab	16 a	16 a	17 ab	17 ab	63 a	67 ab
LSD (P=.05)	4.2	3.2	4.1	3.6	2.9	2.4	10.6	8.2
Standard Deviation	2.6	2.0	2.6	2.2	1.8	1.5	6.6	5.1
CV	15.88	11.9	16.28	13.15	11.32	9.19	10.74	7.99
Bartlett's X2	3.161	5.569	0.276	1.107	6.007	0.642	7.345	4.096
P(Bartlett's X2)	0.367	0.135	0.964	0.775	0.111	0.887	0.062	0.251

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

Column 22: T1 = @AVG([C16].[C24])

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Weed Code	plant 3 LYPES	plant 4 LYPES	plant 5 LYPES	plant 6 LYPES	plant 7 LYPES	plant 8 LYPES	plant 9 LYPES	Avg9plan LYPES
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	May-05-08	May-05-08	May-05-08	May-05-08	May-05-08	May-05-08	May-05-08	May-05-08
Crop Stage								
Weed Density, Unit								
Trt-Eval Interval	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A
ARM Action Codes								T2
Trt Treatment								
Rate								
No. Name	29	30	31	32	33	34	35	36
1 No herbicide	63 a	64 a	66 a	64 a	64 a	62 a	61 a	64 a
2 Reflex 1 PT/A	65 a	64 a	64 a	65 a	63 a	61 a	62 a	63 a
3 Reflex 2 PT/A	62 a	60 a	60 a	58 a	56 a	61 a	53 a	58 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	67 a	62 a	64 a	64 a	60 a	60 a	60 a	63 a
LSD (P=.05)	9.7	9.1	10.5	8.1	10.1	5.9	9.5	7.0
Standard Deviation	6.1	5.7	6.6	5.1	6.3	3.7	6.0	4.4
CV	9.43	9.11	10.41	8.07	10.44	6.09	10.15	7.03
Bartlett's X2	5.097	2.794	5.061	4.616	1.015	2.917	2.401	5.189
P(Bartlett's X2)	0.165	0.425	0.167	0.202	0.798	0.405	0.494	0.158

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

Column 32: T2 = @AVG([C27].[C35])

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Weed Code	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	Avg7plan
Crop Code	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC
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	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08
Crop Stage								
Weed Density, Unit	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A
Trt-Eval Interval								
ARM Action Codes								T3
Trt Treatment	Rate							
No. Name	Rate Unit	38	39	40	41	42	43	44
1 No herbicide		9 a	10 a	11 a	10 a	8 ab	10 a	10 a
2 Reflex	1 PT/A	7 a	8 a	10 a	7 a	9 ab	8 a	10 a
3 Reflex	2 PT/A	9 a	9 a	10 a	9 a	10 a	10 a	10 a
4 Reflex	2 PT/A	7 a	10 a	8 a	10 a	8 b	8 a	9 a
Dual Magnum	12 OZ/A							
LSD (P=.05)		3.7	4.0	3.0	4.4	2.0	3.1	3.5
Standard Deviation		2.3	2.5	1.9	2.8	1.2	1.9	2.2
CV		29.89	28.17	19.85	31.89	14.0	22.23	22.74
Bartlett's X2		7.48	4.055	4.356	4.141	2.397	4.963	0.771
P(Bartlett's X2)		0.058	0.256	0.225	0.247	0.494	0.175	0.856

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

Column 40: T3 = @AVG([C38].[C44])

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Weed Code	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	Avg7plan	
Crop Code	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	
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	May-05-08	May-05-08	May-05-08	May-05-08	May-05-08	May-05-08	May-05-08	May-05-08	
Crop Stage									
Weed Density, Unit									
Trt-Eval Interval	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	
ARM Action Codes								T4	
Trt Treatment	Rate								
No. Name	Rate Unit	47	48	49	50	51	52	53	54
1 No herbicide		100 a	85 a	87 a	84 a	92 a	84 a	75 a	86 a
2 Reflex	1 PT/A	82 a	80 a	72 a	62 a	74 a	78 a	62 a	73 b
3 Reflex	2 PT/A	82 a	70 a	79 a	73 a	83 a	68 a	61 a	74 b
4 Reflex	2 PT/A	86 a	86 a	75 a	83 a	78 a	85 a	93 a	84 ab
	Dual Magnum 12 OZ/A								
LSD (P=.05)		25.3	32.5	15.2	43.4	21.1	36.2	43.0	12.0
Standard Deviation		15.8	20.3	9.5	27.1	13.2	22.6	26.9	7.5
CV		18.13	25.32	12.13	36.11	16.16	28.9	37.15	9.51
Bartlett's X2		1.851	6.26	9.914	3.84	1.4	0.838	5.921	2.182
P(Bartlett's X2)		0.604	0.10	0.019*	0.279	0.705	0.84	0.116	0.535

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

Column 48: T4 = @AVG([C47].[C53])

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Weed Code	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN
Part Rated	left	left	left	left	left	left	left	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	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08
Crop Stage									
Weed Density, Unit									
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	42 DA-A
ARM Action Codes									
Trt No.	56	57	58	59	60	61	62	63	64
Treatment Name									
Rate									
Unit									
1 No herbicide	13 ab	13 a	13 a	12 a	14 a	13 a	13 a	14 ab	13 a
2 Reflex 1 PT/A	14 a	15 a	14 a	14 a	13 a	13 a	13 a	15 a	13 a
3 Reflex 2 PT/A	14 a	13 a	13 a	13 a	14 a	14 a	13 a	12 b	13 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	11 b	13 a	12 a	10 a	14 a	12 a	13 a	13 ab	13 a
LSD (P=.05)	2.8	2.7	3.6	6.8	1.8	2.7	1.8	2.5	2.6
Standard Deviation	1.8	1.7	2.2	4.2	1.1	1.7	1.1	1.5	1.7
CV	14.03	12.7	17.42	34.66	8.21	13.01	8.65	11.63	12.77
Bartlett's X2	0.735	0.953	1.254	3.434	0.227	2.276	1.085	0.133	2.296
P(Bartlett's X2)	0.865	0.813	0.74	0.329	0.973	0.517	0.581	0.988	0.513

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

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Weed Code	plant 10	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	CPSAN	
Part Rated	left	right	right	right	right	right	right	right	right	
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	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	Apr-08-08	
Crop Stage										
Weed Density, Unit										
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	42 DA-A	
ARM Action Codes										
Trt Treatment	Rate									
No. Name	Rate Unit	65	66	67	68	69	70	71	72	73
1 No herbicide		14 a	15 a	14 a	14 a	13 a	15 a	14 a	14 a	15 a
2 Reflex	1 PT/A	13 a	14 a	14 a	14 a	15 a	15 a	14 a	14 a	15 a
3 Reflex	2 PT/A	12 a	12 a	13 a	13 a	13 a	11 a	13 a	13 a	15 a
4 Reflex	2 PT/A	14 a	13 a	13 a	13 a	12 a	13 a	13 a	12 a	14 a
Dual Magnum	12 OZ/A									
LSD (P=.05)		3.0	2.9	2.8	2.1	3.7	6.6	1.9	2.5	2.4
Standard Deviation		1.9	1.8	1.8	1.3	2.3	4.1	1.2	1.6	1.5
CV		13.94	13.36	13.39	9.88	17.55	31.02	8.91	11.98	10.56
Bartlett's X2		0.571	1.399	0.511	4.572	1.797	9.868	0.551	1.362	1.042
P(Bartlett's X2)		0.903	0.706	0.917	0.206	0.616	0.02*	0.907	0.714	0.791

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

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Weed Code	plant 9	plant 10	Avg20pla	plant 1	plant 2	plant 3	plant 4	plant 5	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated	right	right	both	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	Apr-08-08	Apr-08-08	Apr-08-08	May-05-08	May-05-08	May-05-08	May-05-08	May-05-08	
Crop Stage									
Weed Density, Unit									
Trt-Eval Interval	42 DA-A	42 DA-A	42 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	
ARM Action Codes			T20						
Trt Treatment	Rate								
No. Name	Rate Unit	74	75	76	78	79	80	81	82
1 No herbicide		15 a	14 a	14 a	34 a	34 a	33 a	33 a	34 a
2 Reflex	1 PT/A	15 a	16 a	14 a	34 a	35 a	33 a	35 a	36 a
3 Reflex	2 PT/A	14 a	14 a	13 a	33 a	33 a	33 a	33 a	34 a
4 Reflex	2 PT/A	14 a	13 a	13 a	27 a	32 a	30 a	31 a	33 a
	Dual Magnum 12 OZ/A								
LSD (P=.05)		2.7	2.9	1.8	6.5	7.0	10.4	11.5	5.8
Standard Deviation		1.7	1.8	1.1	4.0	4.3	6.5	7.2	3.6
CV		11.89	13.1	8.65	12.73	13.03	20.32	21.71	10.62
Bartlett's X2		3.795	1.7	0.027	2.917	1.917	0.528	1.485	2.131
P(Bartlett's X2)		0.284	0.637	0.999	0.405	0.59	0.913	0.686	0.546

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

Column 69: T20 = @AVG([C56].[C75])

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Weed Code	plant 6	plant 7	plant 8	plant 9	plant 10	plant 1	plant 2	plant 3
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN
Part Rated	left	left	left	left	left	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	May-05-08	May-05-08	May-05-08	May-05-08	May-05-08	May-05-08	May-05-08	May-05-08
Crop Stage								
Weed Density, Unit								
Trt-Eval Interval	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A
ARM Action Codes								
Trt Treatment								
Rate								
No. Name	83	84	85	86	87	88	89	90
1 No herbicide	34 a	34 a	34 a	35 a	35 a	37 a	34 ab	33 a
2 Reflex 1 PT/A	33 a	36 a	34 a	36 a	35 a	36 a	37 a	34 a
3 Reflex 2 PT/A	33 a	32 a	32 a	33 a	33 a	33 a	32 b	32 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	31 a	34 a	28 a	32 a	34 a	33 a	33 ab	99 a
LSD (P=.05)	6.4	7.9	6.5	6.7	7.8	5.3	4.3	110.4
Standard Deviation	4.0	4.9	4.0	4.2	4.9	3.3	2.7	69.0
CV	12.28	14.66	12.79	12.39	14.2	9.65	7.87	140.17
Bartlett's X2	0.691	0.488	0.764	5.809	2.09	3.218	1.755	52.651
P(Bartlett's X2)	0.875	0.921	0.858	0.121	0.554	0.359	0.625	0.001*

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

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Weed Code	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10	AVG20Pla
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN
Part Rated	right	right	right	right	right	right	right	both
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	May-05-08	May-05-08	May-05-08	May-05-08	May-05-08	May-05-08	May-05-08	May-05-08
Crop Stage								
Weed Density, Unit	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A
Trt-Eval Interval								
ARM Action Codes								T21
Trt Treatment								
Rate								
No. Name	91	92	93	94	95	96	97	98
1 No herbicide	33 a	33 a	37 a	36 a	35 a	35 a	35 a	34 a
2 Reflex 1 PT/A	35 a	35 a	32 a	34 a	34 a	37 a	35 a	35 a
3 Reflex 2 PT/A	34 a	31 a	34 a	33 a	34 a	32 a	31 a	33 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	25 a	34 a	33 a	34 a	35 a	35 a	34 a	35 a
LSD (P=.05)	11.6	6.5	6.2	5.4	4.5	5.7	4.8	6.8
Standard Deviation	7.3	4.1	3.9	3.4	2.8	3.6	3.0	4.3
CV	22.76	12.31	11.56	9.9	8.22	10.34	8.91	12.52
Bartlett's X2	7.954	5.902	7.506	1.987	4.5	7.504	1.228	7.564
P(Bartlett's X2)	0.047*	0.116	0.057	0.575	0.212	0.057	0.746	0.056

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

Column 90: T21 = @AVG([C78],[C97])

University of Georgia

Weed Code	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	
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	Jun-04-08	Jun-04-08	Jun-04-08	Jun-04-08	Jun-04-08	Jun-04-08	Jun-04-08	Jun-04-08	
Crop Stage	jumbo	jumbo	large	large	medium	medium	small	small	
Weed Density, Unit									
Trt-Eval Interval	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	
ARM Action Codes									
Trt Treatment	Rate								
No. Name	Rate Unit	100	101	102	103	104	105	106	107
1 No herbicide		37 ab	20 ab	8 ab	3 a	2 a	0 a	2 a	0 a
2 Reflex	1 PT/A	42 a	21 a	8 a	3 ab	3 a	1 a	2 a	0 a
3 Reflex	2 PT/A	26 b	13 b	5 bc	2 bc	2 a	0 a	2 a	0 a
4 Reflex	2 PT/A	29 ab	16 ab	4 c	1 c	3 a	1 a	2 a	0 a
	Dual Magnum 12 OZ/A								
LSD (P=.05)		14.1	7.3	2.8	1.2	2.3	0.6	2.9	0.5
Standard Deviation		8.8	4.6	1.8	0.7	1.4	0.4	1.8	0.3
CV		26.24	26.01	27.97	33.09	67.01	86.54	87.87	114.64
Bartlett's X2		4.744	1.98	4.393	1.161	3.706	4.334	0.512	0.306
P(Bartlett's X2)		0.191	0.577	0.222	0.762	0.295	0.228	0.916	0.959

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

University of Georgia

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	#	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	Jun-09-08	Jun-09-08	Jun-09-08	Jun-09-08	Jun-09-08	Jun-09-08	Jun-09-08	Jun-09-08	
Crop Stage	jumbo	jumbo	large	large	medium	medium	small	small	
Weed Density, Unit									
Trt-Eval Interval	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	
ARM Action Codes									
Trt Treatment	Rate								
No. Name	Rate Unit	108	109	110	111	112	113	114	115
1 No herbicide		7 a	3 a	3 a	1 a	2 a	1 a	2 a	0 a
2 Reflex	1 PT/A	5 a	2 a	2 a	0 a	2 a	0 a	2 a	0 a
3 Reflex	2 PT/A	4 a	2 a	5 a	2 a	3 a	1 a	1 a	0 a
4 Reflex	2 PT/A	5 a	2 a	5 a	2 a	4 a	1 a	2 a	0 a
Dual Magnum	12 OZ/A								
LSD (P=.05)		4.2	2.1	4.8	1.6	3.4	0.8	2.7	0.5
Standard Deviation		2.6	1.3	3.0	1.0	2.1	0.5	1.7	0.3
CV		53.4	56.42	84.5	85.84	88.16	87.8	101.81	111.33
Bartlett's X2		0.517	0.551	3.187	3.702	3.332	3.509	0.782	0.463
P(Bartlett's X2)		0.915	0.908	0.364	0.296	0.343	0.32	0.854	0.927

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

University of Georgia

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	#	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	Jun-13-08	Jun-13-08	Jun-13-08	Jun-13-08	Jun-13-08	Jun-13-08	Jun-13-08	Jun-13-08
Crop Stage	jumbo	jumbo	large	large	medium	medium	small	small
Weed Density, Unit								
Trt-Eval Interval	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A
ARM Action Codes								
Trt Treatment	Rate							
No. Name	Rate Unit	116	117	118	119	120	121	122
1 No herbicide		13 a	7 a	2 a	1 a	2 a	0 a	1 a
2 Reflex	1 PT/A	13 a	6 a	2 a	1 a	1 ab	0 a	2 a
3 Reflex	2 PT/A	13 a	7 a	5 a	2 a	1 b	0 a	2 a
4 Reflex	2 PT/A	14 a	7 a	2 a	1 a	1 ab	0 a	1 a
Dual Magnum	12 OZ/A							
LSD (P=.05)		10.4	5.0	3.8	1.4	1.6	0.4	2.4
Standard Deviation		6.5	3.1	2.4	0.9	1.0	0.3	1.5
CV		50.52	47.4	86.56	91.42	90.12	103.36	92.31
Bartlett's X2		2.486	2.063	8.371	8.904	2.563	2.511	1.408
P(Bartlett's X2)		0.478	0.559	0.039*	0.031*	0.464	0.473	0.704

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

University of Georgia

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	#	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	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	
Weed Density, Unit									
Trt-Eval Interval	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	
ARM Action Codes									
Trt Treatment	Rate								
No. Name	Rate Unit	124	125	126	127	128	129	130	131
1 No herbicide		20 a	12 a	6 a	2 a	3 a	1 a	1 a	0 a
2 Reflex	1 PT/A	19 a	11 a	4 a	1 a	1 a	0 a	1 a	0 a
3 Reflex	2 PT/A	21 a	12 a	4 a	2 a	1 a	0 a	0 a	0 a
4 Reflex	2 PT/A	20 a	12 a	7 a	2 a	2 a	0 a	0 a	0 a
	Dual Magnum 12 OZ/A								
LSD (P=.05)		9.4	6.5	4.3	1.6	2.4	0.6	1.3	0.2
Standard Deviation		5.9	4.1	2.7	1.0	1.5	0.4	0.8	0.1
CV		29.54	35.43	53.72	54.26	106.42	105.84	145.91	145.41
Bartlett's X2		0.561	0.727	1.778	1.807	2.767	2.629	5.314	6.396
P(Bartlett's X2)		0.905	0.867	0.62	0.613	0.429	0.452	0.15	0.094

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

University of Georgia

Weed Code	harv 5	harv 5	harv 5	harv 5	harv 5	harv 5	harv 5	harv 5
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
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	Jun-23-08	Jun-23-08	Jun-23-08	Jun-23-08	Jun-23-08	Jun-23-08	Jun-23-08	Jun-23-08
Crop Stage	jumbo	jumbo	large	large	medium	medium	small	small
Weed Density, Unit								
Trt-Eval Interval	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A
ARM Action Codes								
Trt Treatment	Rate							
No. Name	Rate Unit	132	133	134	135	136	137	138
1 No herbicide		30 a	18 a	5 a	2 a	4 a	1 a	2 a
2 Reflex	1 PT/A	40 a	23 a	10 a	4 a	4 a	1 a	2 a
3 Reflex	2 PT/A	39 a	22 a	6 a	2 a	2 a	0 a	2 a
4 Reflex	2 PT/A	40 a	23 a	8 a	3 a	3 a	1 a	1 a
Dual Magnum	12 OZ/A							
LSD (P=.05)		17.2	10.3	5.8	2.4	5.9	1.5	4.1
Standard Deviation		10.7	6.5	3.6	1.5	3.7	1.0	2.5
CV		28.83	29.87	48.9	54.12	114.82	120.07	135.68
Bartlett's X2		3.271	2.555	4.207	5.417	8.865	8.497	4.646
P(Bartlett's X2)		0.352	0.465	0.24	0.144	0.031*	0.037*	0.20

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

University of Georgia

Weed Code	harv 6	harv 6	harv 6	harv 6	harv 6	harv 6	harv 6	harv 6
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
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	Jun-27-08	Jun-27-08	Jun-27-08	Jun-27-08	Jun-27-08	Jun-27-08	Jun-27-08	Jun-27-08
Crop Stage	jumbo	jumbo	large	large	medium	medium	small	small
Weed Density, Unit								
Trt-Eval Interval	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A
ARM Action Codes								
Trt No.	140	141	142	143	144	145	146	147
Treatment Name								
Rate								
Unit								
1 No herbicide	23 a	14 a	8 a	3 a	4 a	1 a	3 a	0 a
2 Reflex 1 PT/A	27 a	16 a	12 a	4 a	5 a	1 a	6 a	1 a
3 Reflex 2 PT/A	39 a	23 a	13 a	5 a	8 a	2 a	5 a	1 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	27 a	17 a	9 a	3 a	6 a	2 a	1 a	0 a
LSD (P=.05)	21.0	12.5	10.0	3.8	5.9	1.7	7.6	1.4
Standard Deviation	13.1	7.8	6.2	2.4	3.7	1.0	4.8	0.9
CV	45.18	44.94	60.84	63.04	64.42	65.2	127.11	132.9
Bartlett's X2	1.91	1.486	1.99	2.728	4.512	4.871	9.128	8.953
P(Bartlett's X2)	0.591	0.686	0.575	0.435	0.211	0.182	0.028*	0.03*

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

University of Georgia

Weed Code	harv 7	harv 7	harv 7	harv 7	harv 7	harv 7	harv 7	harv 7	harv 7	Avg7har
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
Part Rated	fruit	fruit	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	per plot	per plot
Rating Date	Jul-02-08	Jul-02-08	Jul-02-08	Jul-02-08	Jul-02-08	Jul-02-08	Jul-02-08	Jul-02-08	Jul-02-08	Jul-02-08
Crop Stage	jumbo	jumbo	large	large	medium	medium	small	small	jumbo	
Weed Density, Unit										
Trt-Eval Interval	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A
ARM Action Codes										T22
Trt Treatment										
Rate										
No. Name	148	149	150	151	152	153	154	155	157	
1 No herbicide	10 a	6 a	3 a	1 a	3 a	1 a	1 a	0 a	139 a	
2 Reflex 1 PT/A	17 a	9 a	10 a	4 a	4 a	1 a	1 a	0 a	162 a	
3 Reflex 2 PT/A	22 a	12 a	7 a	2 a	8 a	2 a	2 a	1 a	164 a	
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	15 a	9 a	8 a	3 a	6 a	1 a	4 a	1 a	150 a	
LSD (P=.05)	15.6	9.2	6.9	2.5	5.5	1.3	4.3	0.8	47.6	
Standard Deviation	9.8	5.8	4.3	1.5	3.5	0.8	2.7	0.5	29.8	
CV	61.46	65.06	60.91	60.09	67.67	64.11	141.92	145.47	19.41	
Bartlett's X2	2.697	3.026	0.517	0.619	0.024	0.147	4.901	7.122	2.414	
P(Bartlett's X2)	0.441	0.388	0.915	0.892	0.999	0.986	0.179	0.068	0.491	

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

Column 147: T22 = [C100]+[C108]+[C116]+[C124]+[C132]+[C140]+[C148]

University of Georgia

Weed Code	Avg7har	Avg7har	Avg7har	Avg7har	Avg7harv	Avg7harv	Avg7harv	Avg7harv	Avg7harv	
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	wt/lb	#	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	Jul-02-08	Jul-02-08	Jul-02-08	Jul-02-08	Jul-02-08	Jul-02-08	Jul-02-08	Jul-02-08	Jul-02-08	
Crop Stage	jumbo	large	large	medium	medium	small	small	ALL frui	ALL frui	
Weed Density, Unit										
Trt-Eval Interval	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	99 DA-A	127 DA-A	127 DA-A	
ARM Action Codes	T23	T24	T25	T26	T27	T28	T29	T30	T31	
Trt Treatment	Rate									
No. Name	Rate Unit	158	159	160	161	162	163	164	165	166
1 No herbicide		79 a	35 a	13 a	20 a	5 a	11 a	1 a	204 a	98 a
2 Reflex	1 PT/A	89 a	47 a	17 a	20 a	5 a	17 a	3 a	246 a	114 a
3 Reflex	2 PT/A	91 a	46 a	16 a	23 a	6 a	15 a	3 a	247 a	116 a
4 Reflex	2 PT/A	84 a	42 a	15 a	23 a	6 a	11 a	2 a	226 a	107 a
Dual Magnum	12 OZ/A									
LSD (P=.05)		28.1	17.5	6.4	11.9	2.9	15.7	2.6	56.7	29.9
Standard Deviation		17.6	10.9	4.0	7.4	1.8	9.8	1.6	35.4	18.7
CV		20.48	25.75	26.18	34.97	33.87	72.95	77.69	15.37	17.24
Bartlett's X2		2.609	2.367	3.045	1.04	1.056	7.897	6.973	3.763	3.098
P(Bartlett's X2)		0.456	0.50	0.385	0.792	0.788	0.048*	0.073	0.288	0.377

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

Column 148: T23 = [C101]+[C109]+[C117]+[C125]+[C133]+[C141]+[C149]

Column 149: T24 = [C102]+[C110]+[C118]+[C126]+[C134]+[C142]+[C150]

Column 150: T25 = [C103]+[C111]+[C119]+[C127]+[C135]+[C143]+[C151]

Column 151: T26 = [C104]+[C112]+[C120]+[C128]+[C136]+[C144]+[C152]

Column 152: T27 = [C105]+[C113]+[C121]+[C129]+[C137]+[C145]+[C153]

Column 153: T28 = [C106]+[C114]+[C122]+[C130]+[C138]+[C146]+[C154]

Column 154: T29 = [C107]+[C115]+[C123]+[C131]+[C139]+[C147]+[C155]

Column 155: T30 = [C157]+[C159]+[C161]+[C163]

Column 156: T31 = [C158]+[C160]+[C162]+[C164]

University of Georgia

Weed Code	harv 1	harv 1	harv 2	harv 2	harv 3	harv 3	harv 4	harv 4
Crop Code	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC
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	Jun-06-08	Jun-06-08	Jun-08-08	Jun-08-08	Jun-11-08	Jun-11-08	Jun-13-08	Jun-13-08
Crop Stage								
Weed Density, Unit								
Trt-Eval Interval	101 DA-A	101 DA-A	103 DA-A	103 DA-A	106 DA-A	106 DA-A	108 DA-A	108 DA-A
ARM Action Codes								
Trt Treatment								
Rate								
No. Name	168	169	170	171	172	173	174	175
1 No herbicide	1 a	4 a	2 a	8 a	2 a	8 a	8 a	37 a
2 Reflex 1 PT/A	3 a	10 a	4 a	17 a	2 a	10 a	3 ab	16 ab
3 Reflex 2 PT/A	3 a	11 a	3 a	14 a	3 a	14 a	2 b	9 b
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	3 a	11 a	2 a	9 a	3 a	17 a	3 ab	18 ab
LSD (P=.05)	3.1	10.1	3.9	15.9	3.2	16.0	5.4	26.1
Standard Deviation	1.9	6.3	2.5	9.9	2.0	10.0	3.4	16.3
CV	78.63	71.33	85.79	81.68	87.65	79.81	86.77	83.09
Bartlett's X2	4.724	3.182	2.181	2.195	5.725	4.021	5.82	4.613
P(Bartlett's X2)	0.193	0.364	0.536	0.533	0.126	0.259	0.121	0.202

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

University of Georgia

Weed Code	harv 5	harv 5	harv 6	harv 6	harv 7	harv 7	harv 8	harv 8
Crop Code	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC
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	Jun-16-08	Jun-16-08	Jun-18-08	Jun-18-08	Jun-20-08	Jun-20-08	Jun-23-08	Jun-23-08
Crop Stage								
Weed Density, Unit								
Trt-Eval Interval	111 DA-A	111 DA-A	113 DA-A	113 DA-A	115 DA-A	115 DA-A	118 DA-A	118 DA-A
ARM Action Codes								
Trt Treatment	Rate							
No. Name	Rate Unit	176	177	178	179	180	181	182
1 No herbicide	3 a	13 a	1 a	7 a	2 a	10 a	1 a	5 a
2 Reflex	1 PT/A	3 a	14 a	1 a	8 a	1 a	7 a	1 a
3 Reflex	2 PT/A	2 a	11 a	1 a	3 a	2 a	13 a	1 a
4 Reflex	2 PT/A	4 a	19 a	2 a	10 a	3 a	13 a	1 a
Dual Magnum	12 OZ/A							
LSD (P=.05)		3.5	18.6	1.3	8.7	2.7	16.6	1.4
Standard Deviation		2.2	11.6	0.8	5.4	1.7	10.4	0.9
CV		81.86	82.03	66.2	78.72	91.08	95.66	105.1
Bartlett's X2		1.819	0.394	0.31	0.861	1.113	1.765	0.673
P(Bartlett's X2)		0.611	0.941	0.958	0.835	0.774	0.623	0.558

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

University of Georgia

Weed Code	harv 9	harv 9	harv 10	harv 10	harv 11	harv 11	harv 12	harv 2
Crop Code	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC
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	Jun-25-08	Jun-25-08	Jun-27-08	Jun-27-08	Jun-30-08	Jun-30-08	Jul-02-08	Jul-02-08
Crop Stage								
Weed Density, Unit								
Trt-Eval Interval	120 DA-A	120 DA-A	122 DA-A	122 DA-A	125 DA-A	125 DA-A	127 DA-A	127 DA-A
ARM Action Codes								
Trt Treatment								
Rate								
No. Name	184	185	186	187	188	189	190	191
1 No herbicide	2 a	10 a	2 a	11 a	2 a	9 a	1 a	4 a
2 Reflex 1 PT/A	2 a	10 a	2 a	12 a	3 a	15 a	1 a	6 a
3 Reflex 2 PT/A	1 a	7 a	2 a	12 a	1 a	7 a	1 a	6 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	3 a	16 a	0 a	0 a	1 a	8 a	0 a	1 a
LSD (P=.05)	2.5	16.2	2.8	16.7	2.9	17.5	1.0	4.8
Standard Deviation	1.5	10.1	1.7	10.4	1.8	11.0	0.6	3.0
CV	85.4	92.85	116.53	118.58	109.2	112.31	77.43	72.49
Bartlett's X2	3.852	6.898	0.177	0.071	3.701	5.015	1.7	5.73
P(Bartlett's X2)	0.278	0.075	0.915	0.965	0.296	0.171	0.427	0.125

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

University of Georgia

Weed Code	harv 13	harv 13	harv 1-4	harv 1-4	harv 1-8	harv 1-8	harv1-13	harv1-13	harv 1
Crop Code	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CUMMC	CPSAN
Part Rated	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	Jumbo
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	Jul-07-08	Jul-07-08	Jul-07-08	Jul-07-08	Jul-07-08	Jul-07-08	Jul-07-08	Jul-07-08	May-20-08
Crop Stage									
Weed Density, Unit									
Trt-Eval Interval	132 DA-A	132 DA-A	132 DA-A	132 DA-A	132 DA-A	132 DA-A	132 DA-A	132 DA-A	84 DA-A
ARM Action Codes			T5	T6	T7	T8	T9	T10	
Trt Treatment									
Rate									
No. Name	192	193	194	195	196	197	198	199	201
1 No herbicide	2 a	7 a	13 a	58 a	19 a	94 a	28 a	134 a	7 a
2 Reflex 1 PT/A	2 a	12 a	12 a	53 a	17 a	84 a	26 a	139 a	6 a
3 Reflex 2 PT/A	3 a	17 a	10 a	47 a	16 a	81 a	25 a	129 a	2 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	1 a	6 a	11 a	55 a	20 a	101 a	25 a	133 a	4 a
LSD (P=.05)	3.1	15.6	5.9	24.9	4.9	23.5	7.6	27.9	4.7
Standard Deviation	1.9	9.7	3.7	15.5	3.1	14.7	4.7	17.4	2.9
CV	97.18	94.86	32.4	29.18	17.17	16.36	18.33	13.03	61.58
Bartlett's X2	3.985	3.199	2.785	3.789	2.278	3.524	0.444	4.405	2.552
P(Bartlett's X2)	0.263	0.362	0.426	0.285	0.517	0.318	0.931	0.221	0.466

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

Column 183: T5 = ([C168]+[C170]+[C172]+[C174])

Column 184: T6 = ([C169]+[C171]+[C173]+[C175])

Column 185: T7 = ([C194]+[C176]+[C178]+[C180]+[C182])

Column 186: T8 = ([C195]+[C177]+[C179]+[C181]+[C183])

Column 187: T9 = ([C196]+[C184]+[C186]+[C188]+[C190]+[C192])

Column 188: T10 = ([C197]+[C185]+[C187]+[C189]+[C191]+[C193])

University of Georgia

Weed Code	harv 1	harv 2	harv 2	harv 3	harv 3	harv 4	harv 4	harv 5
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN
Part Rated	Jumbo	Jumbo	Jumbo	Jumbo	Jumbo	Jumbo	Jumbo	Jumbo
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	May-20-08	May-27-08	May-27-08	Jun-13-08	Jun-13-08	Jun-20-08	Jun-20-08	Jul-01-08
Crop Stage								
Weed Density, Unit								
Trt-Eval Interval	84 DA-A	91 DA-A	91 DA-A	108 DA-A	108 DA-A	115 DA-A	115 DA-A	126 DA-A
ARM Action Codes								
Trt Treatment	Rate							
No. Name	Rate Unit	202	203	204	205	206	207	208
1 No herbicide		3 a	25 a	10 a	79 a	39 a	61 a	28 a
2 Reflex	1 PT/A	3 ab	23 a	10 a	87 a	42 a	59 a	26 a
3 Reflex	2 PT/A	1 b	20 a	8 a	94 a	46 a	55 a	29 a
4 Reflex	2 PT/A	1 ab	22 a	9 a	99 a	49 a	69 a	31 a
Dual Magnum	12 OZ/A							
LSD (P=.05)		1.8	8.5	3.3	22.0	10.5	26.2	13.5
Standard Deviation		1.1	5.3	2.1	13.7	6.6	16.4	8.5
CV		57.57	23.75	22.66	15.34	15.0	26.83	29.59
Bartlett's X2		6.012	11.505	10.202	1.587	2.375	1.317	0.656
P(Bartlett's X2)		0.111	0.009*	0.017*	0.662	0.498	0.725	0.918

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

University of Georgia

Weed Code	harv 5	harv 1-2	harv 1-2	harv 1-5	harv 1-5	CUMSA	CUUPE	BRSOA	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN				
Part Rated	Jumbo	Jumbo	Jumbo	Jumbo	Jumbo				
Rating Data Type	wt/lb	#	wt/lb	#	wt/lb	stand cts	stand cts	stand cts	
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	Sep-16-08	Sep-16-08	Sep-16-08	
Crop Stage									
Weed Density, Unit									
Trt-Eval Interval	126 DA-A	126 DA-A	126 DA-A	126 DA-A	126 DA-A	203 DA-A	203 DA-A	203 DA-A	
ARM Action Codes		T11	T12	T13	T14				
Trt Treatment	Rate								
No. Name	Rate Unit	210	211	212	213	214	216	217	218
1 No herbicide		20 a	33 a	13 a	222 a	100 a	12 a	8 a	10 a
2 Reflex	1 PT/A	15 a	29 ab	12 ab	213 a	95 a	12 a	9 a	10 a
3 Reflex	2 PT/A	19 a	22 b	9 b	218 a	103 a	10 a	12 a	9 a
4 Reflex	2 PT/A	14 a	26 ab	11 ab	232 a	104 a	12 a	8 a	8 a
	Dual Magnum 12 OZ/A								
LSD (P=.05)		7.9	8.8	3.7	23.0	14.7	6.5	6.8	2.3
Standard Deviation		4.9	5.5	2.3	14.4	9.2	4.0	4.3	1.4
CV		29.25	20.17	20.92	6.51	9.14	35.4	45.64	15.85
Bartlett's X2		0.563	3.601	6.232	0.807	1.064	0.573	0.141	4.361
P(Bartlett's X2)		0.905	0.308	0.101	0.848	0.786	0.902	0.986	0.113

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

Column 199: T11 = ([C201]+[C203])

Column 200: T12 = ([C202]+[C204])

Column 201: T13 = ([C211]+[C205]+[C207]+[C209])

Column 202: T14 = ([C212]+[C206]+[C208]+[C210])

University of Georgia

Weed Code									
Crop Code	BRSOL	BRSOK	biomass CUUPE	biomass CUUPE	biomass CUUPE	biomass CUMSA	biomass CUMSA	biomass CUMSA	
Part Rated									
Rating Data Type	stand cts	stand cts	#	wt/lb	wt/lb	#	wt/lb	wt/lb	
Rating Unit	per plot	per plot	per plot	per plot	perplant	per plot	per plot	perplant	
Rating Date	Sep-16-08	Sep-16-08	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08
Crop Stage									
Weed Density, Unit									
Trt-Eval Interval	203 DA-A	203 DA-A	230 DA-A	230 DA-A	230 DA-A	230 DA-A	230 DA-A	230 DA-A	230 DA-A
ARM Action Codes									
Trt Treatment									
Rate									
No. Name	219	220	222	223	224	226	227	228	
1 No herbicide	10 a	9 a	8 a	2 a	0 a	12 a	3 a	0 a	
2 Reflex 1 PT/A	10 a	8 ab	8 a	2 a	0 a	12 a	2 a	0 a	
3 Reflex 2 PT/A	9 a	3 b	12 a	2 a	0 a	10 a	1 a	0 a	
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	7 b	4 b	8 a	1 a	0 a	13 a	2 a	0 a	
LSD (P=.05)	2.4	4.4	7.8	1.6	0.1	5.7	2.1	0.2	
Standard Deviation	1.5	2.8	4.8	1.0	0.1	3.6	1.3	0.1	
CV	16.71	47.49	53.5	56.48	38.27	30.55	67.28	60.73	
Bartlett's X2	10.82	6.263	0.379	1.336	3.014	1.265	2.701	10.274	
P(Bartlett's X2)	0.004*	0.10	0.945	0.721	0.389	0.738	0.44	0.016*	

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	sorghum	sorghum	sorghum	sorghum	sorghum	sorghum	sorghum	sorghum
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-16-08	Sep-16-08	Sep-16-08	Sep-16-08	Sep-16-08	Sep-16-08	Sep-16-08	Sep-16-08
Crop Stage								
Weed Density, Unit								
Trt-Eval Interval	203 DA-A	203 DA-A	203 DA-A	203 DA-A	203 DA-A	203 DA-A	203 DA-A	203 DA-A
ARM Action Codes								
Trt No.	230	231	232	233	234	235	236	237
Treatment Name								
Rate								
Unit								
1 No herbicide	53 a	51 a	57 a	56 a	56 a	48 a	49 a	53 a
2 Reflex 1 PT/A	26 b	49 a	43 ab	38 ab	33 b	47 a	48 a	43 ab
3 Reflex 2 PT/A	10 b	16 b	15 c	23 b	22 b	29 a	31 a	25 b
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	30 b	25 b	35 b	40 ab	42 ab	46 a	44 a	41 ab
LSD (P=.05)	20.3	17.3	16.2	24.5	20.1	21.3	19.1	21.0
Standard Deviation	12.7	10.8	10.1	15.3	12.6	13.3	11.9	13.1
CV	42.73	30.75	27.14	39.14	32.91	31.46	27.92	32.61
Bartlett's X2	0.365	1.405	5.344	2.846	3.936	3.598	8.938	7.597
P(Bartlett's X2)	0.947	0.704	0.148	0.416	0.268	0.308	0.03*	0.055

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

University of Georgia

Weed Code	plant 9	plant 10	Avg10pla	plant 1	plant 2	plant 3	plant 4	plant 5
Crop Code	sorghum	sorghum	sorghum	sorghum	sorghum	sorghum	sorghum	sorghum
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-16-08	Sep-16-08	Sep-16-08	Oct-02-08	Oct-02-08	Oct-02-08	Oct-02-08	Oct-02-08
Crop Stage								
Weed Density, Unit								
Trt-Eval Interval	203 DA-A	203 DA-A	203 DA-A	219 DA-A	219 DA-A	219 DA-A	219 DA-A	219 DA-A
ARM Action Codes			T15					
Trt Treatment								
Rate								
No. Name	238	239	240	242	243	244	245	246
1 No herbicide	59 a	52 a	53 a	71 a	77 a	78 a	75 a	71 a
2 Reflex 1 PT/A	49 ab	51 a	43 ab	51 ab	55 ab	58 a	57 ab	59 a
3 Reflex 2 PT/A	24 c	17 b	21 c	26 b	31 b	24 b	34 b	38 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	33 bc	39 a	37 b	40 ab	45 ab	46 ab	51 ab	46 a
LSD (P=.05)	23.8	16.8	13.7	33.9	33.1	32.1	32.7	36.0
Standard Deviation	14.9	10.5	8.6	21.2	20.7	20.1	20.5	22.5
CV	36.13	26.6	22.29	45.12	39.91	38.91	37.76	42.05
Bartlett's X2	6.292	0.956	16.008	0.276	6.306	2.144	4.714	4.039
P(Bartlett's X2)	0.098	0.812	0.001*	0.964	0.098	0.543	0.194	0.257

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

Column 224: T15 = @AVG([C230],[C239])

University of Georgia

Weed Code	plant 6	plant 7	plant 8	plant 9	plant 10	Avg10pla	biomass	biomass	biomass
Crop Code	sorghum	sorghum	sorghum	sorghum	sorghum	sorghum	sorghum	sorghum	sorghum
Part Rated									
Rating Data Type	ht	ht	ht	ht	ht	ht	#	wt/lb	wt/lb
Rating Unit	cm	cm	cm	cm	cm	cm	per plot	per plot	per plot
Rating Date	Oct-02-08	Oct-02-08	Oct-02-08	Oct-02-08	Oct-02-08	Oct-02-08	Oct-02-08	Oct-02-08	Oct-27-08
Crop Stage									
Weed Density, Unit									
Trt-Eval Interval	219 DA-A	219 DA-A	219 DA-A	219 DA-A	219 DA-A	219 DA-A	219 DA-A	219 DA-A	244 DA-A
ARM Action Codes						T16			
Trt Treatment									
Rate									
No. Name	247	248	249	250	251	252	254	255	256
1 No herbicide	75 a	71 a	75 a	68 a	73 a	73 a	105 a	10 a	4 a
2 Reflex 1 PT/A	60 ab	58 ab	65 a	64 a	62 ab	59 a	36 b	6 b	3 ab
3 Reflex 2 PT/A	31 b	26 b	25 b	32 b	27 c	29 b	15 b	1 c	1 b
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	43 b	46 ab	47 ab	41 ab	45 bc	45 ab	24 b	3 bc	1 b
LSD (P=.05)	30.5	32.0	28.6	28.6	22.6	27.1	67.0	4.0	2.3
Standard Deviation	19.0	20.0	17.9	17.9	14.1	17.0	41.9	2.5	1.4
CV	36.53	40.08	33.95	35.05	27.43	32.93	93.12	50.7	60.63
Bartlett's X2	3.98	1.181	1.648	4.796	5.494	5.472	10.664	2.715	2.858
P(Bartlett's X2)	0.264	0.758	0.649	0.187	0.139	0.14	0.014*	0.438	0.414

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

Column 235: T16 = @AVG([C242],[C251])

University of Georgia

Weed Code	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8			
Crop Code	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA			
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-16-08	Sep-16-08	Sep-16-08	Sep-16-08	Sep-16-08	Sep-16-08	Sep-16-08	Sep-16-08			
Crop Stage											
Weed Density, Unit											
Trt-Eval Interval	203 DA-A	203 DA-A	203 DA-A	203 DA-A	203 DA-A	203 DA-A	203 DA-A	203 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	258	259	260	261	262	263	264	265
1	No herbicide			13 a	15 a	15 a	16 a	15 a	13 a	16 a	18 a
2	Reflex	1	PT/A	12 a	13 a	14 a	13 ab	13 a	11 a	16 a	15 ab
3	Reflex	2	PT/A	9 a	13 a	10 a	8 b	8 a	10 a	11 ab	13 ab
4	Reflex Dual Magnum	2 12	PT/A OZ/A	11 a	11 a	12 a	7 b	6 a	9 a	5 b	10 b
LSD (P=.05)				8.6	7.9	7.4	7.3	9.7	8.2	8.0	6.1
Standard Deviation				5.4	5.0	4.6	4.6	6.1	5.2	5.0	3.8
CV				47.61	38.87	36.46	42.57	58.02	48.53	42.79	28.3
Bartlett's X2				4.808	2.858	6.159	2.789	2.218	8.683	6.393	2.323
P(Bartlett's X2)				0.186	0.414	0.104	0.425	0.528	0.034*	0.094	0.508

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

University of Georgia

Weed Code	plant 9	plant 10	Avg10pla	plant 1	plant 2	plant 3	plant 4	plant 5
Crop Code	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA
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-16-08	Sep-16-08	Sep-16-08	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08
Crop Stage								
Weed Density, Unit								
Trt-Eval Interval	203 DA-A	203 DA-A	203 DA-A	230 DA-A	230 DA-A	230 DA-A	230 DA-A	230 DA-A
ARM Action Codes			T17					
Trt Treatment								
Rate								
No. Name	266	267	268	270	271	272	273	274
1 No herbicide	17 a	10 a	15 a	40 a	32 a	31 a	35 a	37 a
2 Reflex 1 PT/A	17 a	15 a	14 a	26 ab	25 ab	21 ab	21 ab	21 ab
3 Reflex 2 PT/A	11 a	6 a	10 a	10 b	14 bc	15 ab	20 ab	6 b
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	14 a	10 a	9 a	27 ab	5 c	7 b	5 b	10 b
LSD (P=.05)	8.3	8.6	5.4	19.9	15.5	17.4	26.5	25.4
Standard Deviation	5.2	5.4	3.4	12.5	9.7	10.9	16.6	15.9
CV	35.47	52.97	28.62	48.42	50.97	59.49	84.03	85.51
Bartlett's X2	6.277	1.716	4.934	5.181	1.175	2.224	4.49	2.27
P(Bartlett's X2)	0.043*	0.633	0.177	0.159	0.759	0.527	0.213	0.518

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

Column 249: T17 = @AVG([C258],[C267])

University of Georgia

Weed Code	plant 6	plant 7	plant 8	plant 9	plant 10	Avg10pla	harv 1	harv 1
Crop Code	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA	BRSOA
Part Rated								
Rating Data Type	ht	ht	ht	ht	ht	ht	#plants	wt/lb
Rating Unit	cm	cm	cm	cm	cm	cm	per plot	per plot
Rating Date	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08	Oct-27-08	Oct-27-08
Crop Stage								
Weed Density, Unit								
Trt-Eval Interval	230 DA-A	230 DA-A	230 DA-A	230 DA-A	230 DA-A	230 DA-A	244 DA-A	244 DA-A
ARM Action Codes						T18		
Trt Treatment								
Rate								
No. Name	275	276	277	278	279	280	282	283
1 No herbicide	36 a	45 a	29 a	5 a	0 a	29 a	10 a	11 a
2 Reflex 1 PT/A	28 ab	20 b	27 a	24 a	0 a	21 ab	7 a	5 b
3 Reflex 2 PT/A	4 b	0 c	0 b	0 a	0 a	7 b	2 b	1 c
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	11 ab	8 bc	7 b	3 a	0 a	8 b	2 b	2 c
LSD (P=.05)	27.7	17.2	19.2	26.7	0.0	14.8	4.2	3.6
Standard Deviation	17.3	10.7	12.0	16.7	0.0	9.3	2.6	2.3
CV	87.3	59.58	76.39	203.63	0.0	56.9	50.4	48.18
Bartlett's X2	4.467	2.922	1.386	6.12	0.0	3.552	6.696	2.718
P(Bartlett's X2)	0.215	0.232	0.50	0.047*	.	0.314	0.082	0.437

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

Column 260: T18 = @AVG([C270],[C279])

University of Georgia

Weed Code	harv 2	harv 2	Har1&2	Har1&2	plant 1	plant 2	plant 3	plant 4
Crop Code	BRSOA	BRSOA	BRSOA	BRSOA	BRSOL	BRSOL	BRSOL	BRSOL
Part Rated								
Rating Data Type	#plants	wt/lb	# plants	wt/lb	ht	ht	ht	ht
Rating Unit	per plot	per plot	per plot	per plot	cm	cm	cm	cm
Rating Date	Nov-25-08	Nov-25-08	Nov-25-08	Nov-25-08	Sep-16-08	Sep-16-08	Sep-16-08	Sep-16-08
Crop Stage								
Weed Density, Unit								
Trt-Eval Interval	273 DA-A	273 DA-A	273 DA-A	273 DA-A	203 DA-A	203 DA-A	203 DA-A	203 DA-A
ARM Action Codes			T32	T33				
Trt Treatment								
Rate								
No. Name	284	285	286	287	289	290	291	292
1 No herbicide	9 a	3 a	18 a	14 a	11 a	13 a	12 ab	11 a
2 Reflex 1 PT/A	7 a	1 b	14 a	7 b	12 a	12 a	11 ab	12 a
3 Reflex 2 PT/A	1 b	0 c	3 b	1 c	9 a	9 a	13 a	10 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	2 b	0 c	4 b	2 c	5 a	8 a	6 b	10 a
LSD (P=.05)	3.4	1.0	7.1	4.5	7.5	7.4	5.8	8.5
Standard Deviation	2.1	0.6	4.4	2.8	4.7	4.6	3.6	5.3
CV	48.34	53.17	46.11	47.01	52.03	45.41	36.22	50.12
Bartlett's X2	2.414	9.488	3.869	3.188	4.523	3.722	4.644	5.066
P(Bartlett's X2)	0.491	0.023*	0.276	0.364	0.21	0.293	0.20	0.167

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

Column 265: T32 = [C282]+[C284]

Column 266: T33 = [C283]+[C285]

University of Georgia

Weed Code	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10	AVG10Pla	plant 1
Crop Code	BRSOL	BRSOL	BRSOL	BRSOL	BRSOL	BRSOL	BRSOL	BRSOL
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-16-08	Sep-16-08	Sep-16-08	Sep-16-08	Sep-16-08	Sep-16-08	Sep-16-08	Oct-13-08
Crop Stage								
Weed Density, Unit								
Trt-Eval Interval	203 DA-A	203 DA-A	203 DA-A	203 DA-A	203 DA-A	203 DA-A	203 DA-A	230 DA-A
ARM Action Codes							T19	
Trt Treatment								
Rate								
No. Name	293	294	295	296	297	298	299	301
1 No herbicide	11 ab	12 a	13 a	12 a	14 a	12 a	12 a	27 a
2 Reflex 1 PT/A	14 a	11 a	11 a	14 a	11 a	13 a	12 a	21 a
3 Reflex 2 PT/A	11 ab	6 a	12 a	10 a	11 a	11 a	10 ab	15 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	8 b	6 a	12 a	9 a	2 b	2 b	7 b	18 a
LSD (P=.05)	4.6	8.3	2.7	8.0	7.5	3.3	3.6	12.0
Standard Deviation	2.9	5.2	1.7	5.0	4.7	2.1	2.2	7.5
CV	25.98	60.15	13.89	44.01	51.25	22.38	22.01	36.95
Bartlett's X2	5.109	5.472	5.338	6.067	6.259	1.634	2.886	4.627
P(Bartlett's X2)	0.164	0.14	0.149	0.108	0.10	0.652	0.41	0.201

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

Column 277: T19 = @AVG([C289],[C298])

University of Georgia

Weed Code	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	AVG9Plan	
Crop Code	BRSOL	BRSOL	BRSOL	BRSOL	BRSOL	BRSOL	BRSOL	BRSOL	BRSOL	
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	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08	
Crop Stage										
Weed Density, Unit										
Trt-Eval Interval	230 DA-A	230 DA-A	230 DA-A	230 DA-A	230 DA-A	230 DA-A	230 DA-A	230 DA-A	230 DA-A	
ARM Action Codes									T34	
Trt Treatment	Rate									
No. Name	Rate Unit	302	303	304	305	306	307	308	309	310
1 No herbicide		30 a	26 a	29 a	32 a	29 a	29 a	28 a	28 a	29 a
2 Reflex	1 PT/A	19 ab	22 a	22 a	24 a	25 a	19 b	15 b	7 b	19 b
3 Reflex	2 PT/A	17 ab	12 a	4 b	3 b	3 b	0 c	0 c	0 b	6 c
4 Reflex	2 PT/A	12 b	7 a	0 b	0 b	0 b	0 c	0 c	0 b	4 c
	Dual Magnum 12 OZ/A									
LSD (P=.05)		17.1	18.5	7.9	9.3	4.5	10.1	13.1	11.0	5.8
Standard Deviation		10.7	11.6	4.9	5.8	2.8	6.3	8.2	6.9	3.6
CV		55.38	70.86	35.79	40.48	20.13	52.98	76.11	78.86	25.31
Bartlett's X2		7.302	7.862	5.319	0.616	7.458	5.591	4.27	12.396	3.226
P(Bartlett's X2)		0.063	0.049*	0.07	0.735	0.024*	0.018*	0.039*	0.001*	0.358

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

Column 287: T34 = @AVG([C301],[C309])

University of Georgia

Weed Code	harv 1	harv 1	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6
Crop Code	BRSOL	BRSOL	BRSOK	BRSOK	BRSOK	BRSOK	BRSOK	BRSOK
Part Rated								
Rating Data Type	# plants	wt/lb	ht	ht	ht	ht	ht	ht
Rating Unit	per plot	per plot	cm	cm	cm	cm	cm	cm
Rating Date	Nov-25-08	Nov-25-08	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08	Oct-13-08
Crop Stage								
Weed Density, Unit								
Trt-Eval Interval	273 DA-A	273 DA-A	230 DA-A	230 DA-A	230 DA-A	230 DA-A	230 DA-A	230 DA-A
ARM Action Codes								
Trt Treatment	Rate							
No. Name	Rate Unit	312	313	315	316	317	318	319
1 No herbicide		9 a	7 a	28 a	35 a	25 a	21 a	19 a
2 Reflex	1 PT/A	6 b	5 a	19 a	14 ab	12 a	10 a	10 a
3 Reflex	2 PT/A	1 c	1 b	15 a	13 ab	14 a	9 a	12 a
4 Reflex	2 PT/A	1 c	0 b	15 a	9 b	6 a	5 a	8 a
Dual Magnum	12 OZ/A							5 a
LSD (P=.05)		3.0	3.0	18.1	24.1	21.7	17.9	21.8
Standard Deviation		1.9	1.9	11.3	15.1	13.6	11.2	13.6
CV		44.02	57.0	58.9	85.45	95.36	100.91	112.88
Bartlett's X2		1.723	4.789	0.649	5.279	0.456	0.639	0.389
P(Bartlett's X2)		0.632	0.188	0.885	0.152	0.928	0.887	0.943
								22.3
								13.9
								95.13
								1.568
								0.667

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

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Weed Code	plant 7	AVG7Plan	harv 1	harv 1
Crop Code	BRSOK	BRSOK	BRSOK	BRSOK
Part Rated				
Rating Data Type	ht	ht	# plants	wt/lb
Rating Unit	cm	cm	per plot	per plot
Rating Date	Oct-13-08	Oct-13-08	Nov-25-08	Nov-25-08
Crop Stage				
Weed Density, Unit				
Trt-Eval Interval	230 DA-A	230 DA-A	273 DA-A	273 DA-A
ARM Action Codes		T35		
Trt Treatment	Rate			
No. Name	Rate Unit			
		321	322	324
1 No herbicide		23 a	24 a	9 a
2 Reflex	1 PT/A	16 a	14 a	5 b
3 Reflex	2 PT/A	5 a	12 a	1 c
4 Reflex	2 PT/A	9 a	8 a	1 c
Dual Magnum	12 OZ/A			0 b
LSD (P=.05)		25.5	19.4	3.3
Standard Deviation		16.0	12.1	2.1
CV		123.44	83.22	51.71
Bartlett's X2		0.841	0.403	7.558
P(Bartlett's X2)		0.84	0.94	0.056

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

Column 297: T35 = @AVG([C315],[C321])

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Crop 4: CUUPE SQUASH, SUMMER **Variety:** Lioness
Planting Date: Aug-25-08 **Planting Method:** seeded
Rate: 1 12 inch **Depth:** 0.5 in **Perennial Age:** ____
Row Spacing: 6 feet **Spacing Within Row:** 12 inch **Seed Bed:** mulched
Soil Temperature: 84 F **Soil Moisture:** moist **Emergence Date:** _____

Crop 5: CUMSA CUCUMBER **Variety:** Thunder
Planting Date: Aug-25-08 **Planting Method:** seeded
Rate: 1 12 inch **Depth:** 0.5 in **Perennial Age:** ____
Row Spacing: 6 feet **Spacing Within Row:** 12 inch **Seed Bed:** mulched
Soil Temperature: 84 F **Soil Moisture:** moist **Emergence Date:** _____

Crop 6: BRSOL CABBAGE **Variety:** Platinum Dynasty
Planting Date: Aug-25-08 **Planting Method:** seeded
Rate: 1 12 inch **Depth:** 0.5 in **Perennial Age:** ____
Row Spacing: 6 feet **Spacing Within Row:** 12 inch **Seed Bed:** mulched
Soil Temperature: 84 F **Soil Moisture:** moist **Emergence Date:** _____

Crop 7: BRSOA COLLARD **Variety:** Top Bunch
Planting Date: Aug-25-08 **Planting Method:** seeded
Rate: 1 12 inch **Depth:** 0.5 in **Perennial Age:** ____
Row Spacing: 6 feet **Spacing Within Row:** 12 inch **Seed Bed:** mulched
Soil Temperature: 84 F **Soil Moisture:** moist **Emergence Date:** _____

Crop 8: BRBOK BROCCOLI **Variety:** Green Magic
Planting Date: Aug-25-08 **Planting Method:** seeded
Rate: 1 12 inch **Depth:** 0.5 in **Perennial Age:** ____
Row Spacing: 6 feet **Spacing Within Row:** 12 inch **Seed Bed:** mulched
Soil Temperature: 84 F **Soil Moisture:** moist **Emergence Date:** _____

Crop 9: sorgh grain sorghum **Variety:** _____
Planting Date: Aug-25-08 **Planting Method:** seeded
Rate: 1 12 inch **Depth:** 0.5 in **Perennial Age:** ____
Row Spacing: 6 feet **Spacing Within Row:** 12 inch **Seed Bed:** mulched
Soil Temperature: 84 F **Soil Moisture:** moist **Emergence Date:** _____

SITE AND DESIGN

Plot Width, Unit: 6 FT **Plot Length, Unit:** 80 FT **Reps:** 4
Site Type: Ponder Farm Research Farm
Tillage Type: Conventional **Study Design:** RANDOMIZED COMPLETE BLOCK

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: 94 **% OM:** 1.3 **Texture:** sand
% Silt: 2 **pH:** 6.4 **Soil Name:** Tifton sandy loam
% Clay: 4 **CEC:** _____ **Fert. Level:** _____

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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
Application Date:	Feb-26-08
Time of Day:	2 pm
Application Method:	broadcast
Application Timing:	preplant
Applic. Placement:	und-mulch
Air Temp., Unit:	70 F
% Relative Humidity:	40
Wind Velocity, Unit:	3 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	66 F
Soil Moisture:	moist
% Cloud Cover:	20

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CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	LYPES preplant
Stage Scale:	not up
Height, Unit:	0 inch
Crop 2 Code, Stage:	CUMMC preplant
Stage Scale:	not up
Height, Unit:	0 inch
Crop 3 Code, Stage:	CPSAN preplant
Stage Scale:	not up
Height, Unit:	0 inch
Crop 4 Code, Stage:	CUUPE preplant
Stage Scale:	not up
Height, Unit:	0 inch
Crop 5 Code, Stage:	CUMSA preplant
Stage Scale:	not up
Height, Unit:	0 inch
Crop 6 Code, Stage:	BRSOL preplant
Stage Scale:	not up
Height, Unit:	0 inch
Crop 7 Code, Stage:	BRSOA preplant
Stage Scale:	not up
Height, Unit:	0 inch
Crop 8 Code, Stage:	BRSOK preplant
Stage Scale:	not up
Height, Unit:	0 inch
Crop 9 Code, Stage:	sorgh preplant
Stage Scale:	not up
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:	26
Nozzle Type:	flat fan
Nozzle Size:	11002
Nozzle Spacing, Unit:	12 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:	24 GPA
Spray pH:	
Propellant:	CO2
Tank Mix (Y/N):	Y

Trt No	Treatment Application Comment