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Tomato, pepper, eggplant and cucumber response to Reflex.

Trial ID: Veg14-07
Location: Ponder Farm

Study Dir.: Stanley Culpepper
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	Rate Rate	Grow Unit	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 tomato, pepper, eggplant and squash 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.

Note1: For tomato, pepper, eggplant and squash response in the spring see trial V14-07. To see plantback data with second crops planted 6 months after Reflex see Veg14B-07.

Pepper Response:

1. Visual injury was less than 5% throughout the season.
2. Nine plants were harvested 3 wk after transplant for biomass. Treatments had no impact.
3. Height of ten plants per plot were measured twice during the season. Treatments had no impact.
4. Pepper were harvested and graded 4 times. Treatments had no impact.

Tomato Response:

1. Tomato injury was less than 5% throughout the season.
2. Nine plants were harvested 3 wk after transplant for biomass. Treatments had no impact.
3. Height of ten plants per plot were measured twice during the season. Treatments had no impact.
4. Tomato were harvested and graded 6 times. Treatments had no impact.

Eggplant Response:

1. Eggplant injury was less than 12% throughout the season.
2. Nine plants were harvested 3 wk after transplant for biomass. Treatments had no impact.
3. Height of ten plants per plot were measured twice during the season. Treatments had no impact.
4. Marketable eggplant were harvested 6 times. Treatments had no impact.

Cucumber Response:

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%).
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.

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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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Weed Code					plant 1	plant 2	plant 3	plant 4
Crop Code	SOLME	CUMSA	CUMSA	CUMSA	CPSAN	CPSAN	CPSAN	CPSAN
Part Rated								
Rating Data Type	injury	injury	injury	injury	bio mass	bio mass	bio mass	bio mass
Rating Unit	%	%	%	%	grams	grams	grams	grams
Rating Date	May-14-07	Apr-06-07	Apr-19-07	May-14-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07
Assessed By	SC	SC	SC	SC				
Trt-Eval Interval	77 DA-A	39 DA-A	52 DA-A	77 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A
ARM Action Codes								
Trt Treatment	Rate							
No. Name	Rate Unit	9	10	11	12	14	15	16
1 No herbicide		0 a	0 d	0 d	0 d	19 a	18 a	18 b
2 Reflex	1 PT/A	0 a	18 c	15 c	12 c	19 a	20 a	21 ab
3 Reflex	2 PT/A	0 a	34 b	25 b	30 b	20 a	20 a	21 a
4 Reflex	2 PT/A	0 a	74 a	86 a	55 a	20 a	20 a	19 ab
Dual Magnum	12 OZ/A							
LSD (P=.05)		0.0	11.2	9.1	11.8	5.0	4.2	2.4
Standard Deviation		0.0	7.0	5.7	7.4	3.1	2.6	1.5
CV		0.0	22.41	17.96	30.26	16.05	13.71	7.64
Bartlett's X2		0.0	2.547	0.564	6.063	2.353	6.01	1.131
P(Bartlett's X2)		.	0.28	0.453	0.048*	0.502	0.111	0.77

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	Tot9plan CPSAN	plant 1 LYPES	plant 2 LYPES	plant 3 LYPES
Crop Code									
Part Rated									
Rating Data Type	bio mass	bio mass	bio mass	bio mass	bio mass	total wt	bio mass	bio mass	bio mass
Rating Unit	grams	grams	grams	grams	grams	grams	grams	grams	grams
Rating Date	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07
Assessed By									
Trt-Eval Interval	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A
ARM Action Codes									
Trt No.	18	19	20	21	22	23	25	26	27
Treatment Name									
Rate Unit									
1 No herbicide	19 a	19 a	19 a	19 b	20 a	92 a	39 a	41 a	39 a
2 Reflex 1 PT/A	20 a	19 a	19 a	17 b	20 a	88 a	43 a	42 a	41 a
3 Reflex 2 PT/A	22 a	19 a	19 a	19 b	18 a	96 a	40 a	41 a	38 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	21 a	18 a	20 a	22 a	21 a	90 a	40 a	42 a	40 a
LSD (P=.05)	2.6	4.7	3.9	2.4	4.0	22.3	5.4	4.4	8.2
Standard Deviation	1.6	2.9	2.4	1.5	2.5	13.9	3.4	2.8	5.1
CV	8.16	15.94	12.72	8.04	12.96	15.3	8.35	6.66	13.12
Bartlett's X2	6.295	3.447	1.7	0.329	0.417	4.268	0.13	6.832	3.544
P(Bartlett's X2)	0.098	0.328	0.637	0.954	0.937	0.234	0.988	0.077	0.315

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

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Weed Code	plant 4 LYPES	plant 5 LYPES	plant 6 LYPES	plant 7 LYPES	plant 8 LYPES	plant 9 LYPES	Tot9plan LYPES	plant 1 SOLME	plant 2 SOLME
Crop Code									
Part Rated									
Rating Data Type	bio mass	bio mass	bio mass	bio mass	bio mass	bio mass	total wt	bio mass	bio mass
Rating Unit	grams	grams	grams	grams	grams	grams	grams	grams	grams
Rating Date	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07
Assessed By									
Trt-Eval Interval	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A
ARM Action Codes									
Trt No.	28	29	30	31	32	33	34	36	37
Treatment Name									
Rate Unit									
1 No herbicide	42 a	40 a	40 a	39 a	41 a	41 a	589 a	28 a	27 a
2 Reflex 1 PT/A	40 a	42 a	44 a	43 a	44 a	43 a	519 a	29 a	24 a
3 Reflex 2 PT/A	42 a	43 a	40 a	43 a	39 a	39 a	591 a	29 a	28 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	40 a	40 a	40 a	40 a	40 a	41 a	502 a	29 a	25 a
LSD (P=.05)	4.5	3.6	7.2	4.6	5.9	3.7	139.3	3.8	5.1
Standard Deviation	2.8	2.2	4.5	2.9	3.7	2.3	87.1	2.4	3.2
CV	6.86	5.48	11.18	6.9	8.98	5.69	15.83	8.34	12.15
Bartlett's X2	12.46	1.506	0.589	2.095	7.441	3.205	1.209	0.394	4.5
P(Bartlett's X2)	0.006*	0.681	0.899	0.553	0.059	0.361	0.751	0.942	0.212

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

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Weed Code	plant 3 SOLME	plant 4 SOLME	plant 5 SOLME	plant 6 SOLME	plant 7 SOLME	plant 8 SOLME	plant 9 SOLME	Tot9plan SOLME	plant 1 CUMSA
Crop Code									
Part Rated									
Rating Data Type	bio mass	bio mass	bio mass	bio mass	bio mass	bio mass	bio mass	total wt	bio mass
Rating Unit	grams	grams	grams	grams	grams	grams	grams	grams	grams
Rating Date	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07
Assessed By									
Trt-Eval Interval	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A
ARM Action Codes									
Trt No.	38	39	40	41	42	43	44	45	47
Treatment Name									
Rate									
Unit									
1 No herbicide	30 a	28 a	29 ab	28 a	26 a	28 a	28 a	259 a	14 a
2 Reflex 1 PT/A	27 ab	30 a	30 a	28 a	26 a	29 a	28 a	299 a	10 ab
3 Reflex 2 PT/A	28 a	28 a	27 ab	26 a	29 a	27 a	26 a	292 a	8 b
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	24 b	29 a	26 b	27 a	27 a	29 a	27 a	215 a	6 b
LSD (P=.05)	4.1	2.6	3.0	3.6	5.2	3.0	5.7	92.6	4.8
Standard Deviation	2.5	1.6	1.8	2.2	3.3	1.9	3.6	57.9	3.0
CV	9.38	5.66	6.63	8.18	12.14	6.67	13.09	21.76	31.38
Bartlett's X2	1.418	6.109	1.797	5.577	2.813	1.08	4.637	7.49	1.89
P(Bartlett's X2)	0.701	0.106	0.616	0.134	0.421	0.782	0.20	0.058	0.596

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

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Weed Code	plant 2 CUMSA	plant 3 CUMSA	plant 4 CUMSA	plant 5 CUMSA	plant 6 CUMSA	plant 7 CUMSA	plant 8 CUMSA	plant 9 CUMSA	Tot9plan CUMSA
Crop Code									
Part Rated									
Rating Data Type	bio mass	bio mass	bio mass	bio mass	bio mass	bio mass	bio mass	bio mass	total wt
Rating Unit	grams	grams	grams	grams	grams	grams	grams	grams	grams
Rating Date	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07	Apr-09-07
Assessed By									
Trt-Eval Interval	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A
ARM Action Codes									
Trt No.	48	49	50	51	52	53	54	55	56
Treatment Name									
Rate									
Unit									
1 No herbicide	11 a	11 a	12 a	12 a	13 a	12 a	13 a	11 a	74 a
2 Reflex 1 PT/A	10 a	10 a	10 b	10 ab	11 a	10 ab	10 ab	8 b	43 b
3 Reflex 2 PT/A	10 a	9 a	9 b	8 ab	7 b	7 bc	9 b	7 bc	26 c
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	5 b	8 a	6 c	5 b	7 b	5 c	5 c	6 c	15 c
LSD (P=.05)	2.8	3.2	2.7	4.1	3.8	3.2	3.8	2.5	13.0
Standard Deviation	1.8	2.0	1.7	2.6	2.4	2.0	2.4	1.5	8.1
CV	20.16	21.77	18.89	30.62	25.67	23.2	25.93	19.2	20.47
Bartlett's X2	4.828	7.199	1.209	5.769	2.22	6.0	2.772	2.425	2.095
P(Bartlett's X2)	0.185	0.066	0.751	0.123	0.528	0.112	0.428	0.489	0.553

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

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Weed Code	CUMSA	CUMSA	plant 1 CPSAN	plant 2 CPSAN	plant 3 CPSAN	plant 4 CPSAN	plant 5 CPSAN	plant 6 CPSAN	plant 7 CPSAN
Crop Code									
Part Rated									
Rating Data Type	Plant/plot	total wt/pl	height	height	height	height	height	height	height
Rating Unit	#	grams	cm	cm	cm	cm	cm	cm	cm
Rating Date	Apr-09-07	Apr-09-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07
Assessed By									
Trt-Eval Interval	42 DA-A	42 DA-A	39 DA-A	39 DA-A	39 DA-A	39 DA-A	39 DA-A	39 DA-A	39 DA-A
ARM Action Codes									
Trt Treatment									
Rate									
No. Name	58	59	61	62	63	64	65	66	67
1 No herbicide	12 a	7 a	13 a	15 a	15 a	14 a	15 a	15 a	16 a
2 Reflex 1 PT/A	10 ab	4 b	14 a	15 a	15 a	15 a	16 a	16 a	16 a
3 Reflex 2 PT/A	8 b	3 bc	16 a	16 a	17 a	16 a	17 a	16 a	17 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	6 c	2 c	16 a	17 a	16 a	17 a	16 a	18 a	17 a
LSD (P=.05)	2.2	1.7	2.6	3.2	6.4	4.3	2.8	3.5	2.9
Standard Deviation	1.4	1.1	1.7	2.0	4.0	2.7	1.8	2.2	1.8
CV	15.41	26.35	11.25	12.93	25.55	17.63	11.17	13.46	11.24
Bartlett's X2	2.867	0.971	8.055	0.609	5.7	11.435	2.35	2.112	5.265
P(Bartlett's X2)	0.413	0.808	0.045*	0.894	0.127	0.01*	0.503	0.549	0.153

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

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Weed Code	plant 8 CPSAN	plant 9 CPSAN	plant 10 CPSAN	Avg10pla CPSAN	plant 1 CPSAN	plant 2 CPSAN	plant 3 CPSAN	plant 4 CPSAN	plant 5 CPSAN
Crop Code									
Part Rated									
Rating Data Type	height	height	height	height	height	height	height	height	height
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07
Assessed By									
Trt-Eval Interval	39 DA-A	39 DA-A	39 DA-A	39 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A
ARM Action Codes				T1					
Trt Treatment									
Rate									
No. Name	68	69	70	71	73	74	75	76	77
1 No herbicide	16 a	16 a	14 a	15 a	19 a	20 a	20 ab	19 a	20 a
2 Reflex 1 PT/A	19 a	17 a	15 a	16 a	19 a	20 a	20 ab	19 a	18 a
3 Reflex 2 PT/A	16 a	15 a	17 a	16 a	20 a	20 a	21 a	19 a	19 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	17 a	17 a	17 a	17 a	20 a	19 a	19 b	20 a	21 a
LSD (P=.05)	5.5	2.9	3.5	2.6	2.4	3.6	1.8	3.1	3.7
Standard Deviation	3.4	1.8	2.2	1.6	1.5	2.3	1.1	1.9	2.3
CV	20.44	11.05	13.86	10.15	7.65	11.43	5.69	10.05	11.87
Bartlett's X2	2.883	3.872	6.699	9.263	2.656	0.477	9.74	4.996	6.716
P(Bartlett's X2)	0.41	0.276	0.082	0.026*	0.448	0.788	0.021*	0.172	0.082

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

Column 65: T1 = @AVG([C61].[C70])

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Weed Code	plant 6 CPSAN	plant 7 CPSAN	plant 8 CPSAN	plant 9 CPSAN	plant 10 CPSAN	Avg10pla CPSAN	plant 1 LYPES	plant 2 LYPES	plant 3 LYPES
Part Rated						AVG10p			
Rating Data Type	height	height	height	height	height	height	height	height	height
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-06-07	Apr-06-07	Apr-06-07
Assessed By									
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	39 DA-A	39 DA-A	39 DA-A
ARM Action Codes						T2			
Trt Treatment									
Rate									
No. Name Rate Unit	78	79	80	81	82	83	85	86	87
1 No herbicide	18 a	21 a	21 a	20 a	22 a	20 a	25 a	25 a	24 ab
2 Reflex 1 PT/A	17 a	20 a	19 a	20 a	20 a	19 a	28 a	29 a	29 a
3 Reflex 2 PT/A	20 a	19 a	21 a	19 a	19 a	20 a	26 a	25 a	21 b
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	19 a	21 a	19 a	21 a	21 a	20 a	24 a	25 a	24 ab
LSD (P=.05)	3.9	3.2	2.8	3.9	3.0	1.7	5.0	4.5	4.9
Standard Deviation	2.5	2.0	1.7	2.4	1.8	1.1	3.1	2.8	3.1
CV	13.38	9.91	8.75	12.31	8.83	5.55	12.13	10.87	12.62
Bartlett's X2	2.624	3.999	2.064	2.175	0.574	3.254	1.355	0.284	0.397
P(Bartlett's X2)	0.453	0.262	0.559	0.537	0.902	0.354	0.716	0.963	0.941

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

Column 76: T2 = @AVG([C73].[C82])

University of Georgia

Weed Code	plant 4 LYPES	plant 5 LYPES	plant 6 LYPES	plant 7 LYPES	plant 8 LYPES	plant 9 LYPES	plant 10 LYPES	Avg10pla LYPES	plant 1 LYPES
Part Rated								AVG10p	
Rating Data Type	height	height	height	height	height	height	height	height	height
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-23-07
Assessed By									
Trt-Eval Interval	39 DA-A	39 DA-A	39 DA-A	39 DA-A	39 DA-A	39 DA-A	39 DA-A	39 DA-A	56 DA-A
ARM Action Codes								T3	
Trt Treatment									
Rate									
No. Name	88	89	90	91	92	93	94	95	97
1 No herbicide	26 a	24 a	26 a	27 a	24 a	26 a	27 a	25 ab	33 b
2 Reflex 1 PT/A	26 a	26 a	26 a	27 a	26 a	27 a	27 a	27 a	42 a
3 Reflex 2 PT/A	23 a	24 a	26 a	26 a	26 a	26 a	25 ab	25 b	38 ab
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	25 a	23 a	25 a	23 a	24 a	24 a	24 b	24 b	39 ab
LSD (P=.05)	4.7	4.6	5.5	5.1	4.4	3.7	2.4	2.2	7.5
Standard Deviation	2.9	2.8	3.5	3.2	2.7	2.3	1.5	1.4	4.7
CV	11.78	11.74	13.67	12.39	11.07	9.08	5.87	5.38	12.42
Bartlett's X2	3.361	1.125	0.52	6.24	10.571	1.286	2.009	5.96	0.93
P(Bartlett's X2)	0.339	0.771	0.914	0.101	0.014*	0.733	0.57	0.114	0.818

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

Column 87: T3 = @AVG([C85].[C94])

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Weed Code	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
Part Rated									
Rating Data Type	height	height	height	height	height	height	height	height	height
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07
Assessed By									
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit
		98	99	100	101	102	103	104	105
1	No herbicide	38 a	38 a	37 a	37 a	38 a	33 a	29 a	33 a
2	Reflex 1 PT/A	39 a	39 a	35 a	36 a	38 a	37 a	39 a	37 a
3	Reflex 2 PT/A	36 a	35 a	36 a	38 a	38 a	38 a	34 a	34 a
4	Reflex 2 PT/A Dual Magnum 12 OZ/A	36 a	35 a	35 a	33 a	35 a	36 a	35 a	35 a
LSD (P=.05)		8.1	8.5	4.2	5.5	7.4	6.2	14.4	9.6
Standard Deviation		5.1	5.3	2.6	3.4	4.7	3.9	9.0	6.0
CV		13.79	14.5	7.3	9.57	12.61	10.86	26.21	17.36
Bartlett's X2		5.71	1.959	1.174	9.777	0.429	1.263	8.841	6.335
P(Bartlett's X2)		0.127	0.581	0.759	0.021*	0.934	0.738	0.031*	0.096

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

University of Georgia

Weed Code	Avg10pla	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8			
Crop Code	LYPES	SOLME	SOLME	SOLME	SOLME	SOLME	SOLME	SOLME	SOLME			
Part Rated	AVG10p											
Rating Data Type	height	height	height	height	height	height	height	height	height			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Apr-23-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07			
Assessed By												
Trt-Eval Interval	56 DA-A	39 DA-A	39 DA-A	39 DA-A	39 DA-A	39 DA-A	39 DA-A	39 DA-A	39 DA-A			
ARM Action Codes	T4											
Trt No.	Treatment Name	Rate	Unit	107	109	110	111	112	113	114	115	116
1	No herbicide			35 a	15 a	18 a	18 a	16 a	15 a	14 b	14 a	16 a
2	Reflex	1	PT/A	38 a	16 a	15 ab	15 a	16 ab	16 a	17 a	15 a	14 a
3	Reflex	2	PT/A	36 a	16 a	15 ab	17 a	17 a	15 a	16 a	15 a	16 a
4	Reflex Dual Magnum	2 12	PT/A OZ/A	35 a	17 a	14 b	15 a	14 b	16 a	16 ab	16 a	15 a
LSD (P=.05)				4.0	4.6	3.2	4.7	2.4	2.4	1.9	3.4	4.1
Standard Deviation				2.5	2.9	2.0	2.9	1.5	1.5	1.2	2.1	2.6
CV				7.02	18.33	12.87	18.14	9.64	9.83	7.59	14.3	16.87
Bartlett's X2				2.043	4.806	3.197	7.725	1.574	4.807	3.132	1.236	0.074
P(Bartlett's X2)				0.564	0.187	0.362	0.052	0.665	0.187	0.209	0.744	0.995

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

Column 98: T4 = @AVG([C97].[C106])

University of Georgia

Weed Code	plant 9 SOLME	plant 10 SOLME	Avg10pla SOLME	plant 1 SOLME	plant 2 SOLME	plant 3 SOLME	plant 4 SOLME	plant 5 SOLME	plant 6 SOLME
Crop Code									
Part Rated			AVG10p						
Rating Data Type	height	height	height	height	height	height	height	height	height
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	Apr-06-07	Apr-06-07	Apr-06-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07
Assessed By									
Trt-Eval Interval	39 DA-A	39 DA-A	39 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A
ARM Action Codes			T5						
Trt Treatment									
Rate									
No. Name	117	118	119	121	122	123	124	125	126
1 No herbicide	16 a	14 a	16 a	32 a	28 a	26 a	28 a	29 a	29 a
2 Reflex 1 PT/A	14 a	16 a	15 a	30 a	29 a	28 a	29 a	28 a	30 a
3 Reflex 2 PT/A	16 a	17 a	16 a	28 a	28 a	26 a	28 a	26 ab	27 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	16 a	14 a	15 a	27 a	26 a	26 a	24 a	21 b	26 a
LSD (P=.05)	2.8	3.0	1.5	6.8	6.2	6.1	5.7	6.0	7.0
Standard Deviation	1.7	1.9	0.9	4.3	3.9	3.8	3.6	3.8	4.4
CV	11.23	12.33	6.01	14.63	14.04	14.29	13.19	14.5	15.57
Bartlett's X2	0.993	9.545	1.693	4.806	2.994	3.521	1.214	4.619	0.98
P(Bartlett's X2)	0.803	0.023*	0.638	0.187	0.393	0.318	0.75	0.202	0.806

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

Column 109: T5 = @AVG([C109].[C118])

University of Georgia

Weed Code	plant 7 SOLME	plant 8 SOLME	plant 9 SOLME	plant 10 SOLME	avg ht SOLME AVG10p	plant 1 CUMSA	plant 2 CUMSA	plant 3 CUMSA	plant 4 CUMSA
Part Rated									
Rating Data Type	height	height	height	height	height	height	height	height	height
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07
Assessed By									
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	39 DA-A	39 DA-A	39 DA-A	39 DA-A
ARM Action Codes					T6				
Trt Treatment									
Rate									
No. Name	127	128	129	130	131	133	134	135	136
1 No herbicide	27 a	29 a	30 a	22 a	28 a	11 a	9 a	13 a	11 a
2 Reflex 1 PT/A	28 a	27 a	26 a	26 a	28 a	9 a	10 a	10 b	8 ab
3 Reflex 2 PT/A	29 a	27 a	30 a	28 a	28 ab	10 a	7 b	8 b	6 bc
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	26 a	25 a	26 a	23 a	25 b	4 b	5 b	4 c	4 c
LSD (P=.05)	6.2	5.5	4.0	7.3	3.1	2.2	2.3	2.8	3.1
Standard Deviation	3.9	3.4	2.5	4.0	1.9	1.4	1.4	1.8	2.0
CV	14.11	12.74	9.09	16.46	7.11	16.77	19.12	20.16	27.58
Bartlett's X2	2.812	4.065	2.957	4.2	4.501	4.654	5.356	5.158	10.456
P(Bartlett's X2)	0.422	0.255	0.398	0.241	0.212	0.199	0.148	0.161	0.015*

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

Column 120: T6 = @AVG([C121].[C130])

University of Georgia

Weed Code	plant 5 CUMSA	plant 6 CUMSA	plant 7 CUMSA	plant 8 CUMSA	plant 9 CUMSA	plant 10 CUMSA	avg ht CUMSA	plant 1 CUMSA	plant 2 CUMSA
Part Rated							AVG10p		
Rating Data Type	height	height	height	height	height	height	height	height	height
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-06-07	Apr-23-07	Apr-23-07
Assessed By									
Trt-Eval Interval	39 DA-A	39 DA-A	39 DA-A	39 DA-A	39 DA-A	39 DA-A	39 DA-A	56 DA-A	56 DA-A
ARM Action Codes							T7		
Trt Treatment									
Rate									
No. Name	137	138	139	140	141	142	143	145	146
1 No herbicide	11 a	10 a	10 a	10 a	10 ab	9 ab	10 a	22 a	21 a
2 Reflex 1 PT/A	10 ab	11 a	9 a	9 ab	11 a	10 a	10 a	14 ab	19 a
3 Reflex 2 PT/A	8 b	7 ab	8 a	7 b	6 bc	7 b	7 b	13 b	13 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	5 c	5 b	2 b	3 c	3 c	4 c	4 c	8 b	5 b
LSD (P=.05)	3.0	3.7	3.6	2.6	3.6	2.7	1.5	8.8	7.8
Standard Deviation	1.9	2.3	2.3	1.6	2.3	1.7	0.9	5.5	4.9
CV	23.23	28.57	31.3	22.76	30.25	23.1	12.24	38.51	33.71
Bartlett's X2	2.263	2.955	0.584	1.856	0.671	4.167	3.307	11.914	2.131
P(Bartlett's X2)	0.52	0.399	0.90	0.603	0.88	0.244	0.347	0.008*	0.546

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

Column 131: T7 = @AVG([C133].[C142])

University of Georgia

Weed Code	plant 3 CUMSA	plant 4 CUMSA	plant 5 CUMSA	plant 6 CUMSA	plant 7 CUMSA	plant 8 CUMSA	plant 9 CUMSA	plant 10 CUMSA	avg ht CUMSA
Crop Code									
Part Rated									AVG10p
Rating Data Type	height	height	height	height	height	height	height	height	height
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm
Rating Date	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07	Apr-23-07
Assessed By									
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A
ARM Action Codes									T8
Trt No.	147	148	149	150	151	152	153	154	155
Treatment Name									
Rate									
Unit									
1 No herbicide	17 ab	21 a	20 a	19 a	21 a	20 a	19 a	20 a	20 a
2 Reflex 1 PT/A	19 a	17 a	15 ab	15 a	18 a	16 ab	16 a	16 ab	17 b
3 Reflex 2 PT/A	14 b	13 ab	14 b	14 a	10 b	13 ab	7 b	11 b	12 c
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	9 c	5 b	6 c	3 b	4 c	8 b	7 b	12 b	6 d
LSD (P=.05)	3.5	8.8	5.7	8.0	4.8	10.7	7.1	6.0	1.6
Standard Deviation	2.2	5.5	3.6	5.0	3.0	6.7	4.4	3.5	1.0
CV	14.77	39.3	26.48	39.85	22.85	47.45	37.37	24.06	7.31
Bartlett's X2	0.314	4.307	5.099	2.462	0.031	0.578	7.43	2.132	5.47
P(Bartlett's X2)	0.957	0.23	0.165	0.482	0.999	0.901	0.059	0.545	0.14

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

Column 142: T8 = @AVG([C145].[C154])

University of Georgia

Weed Code	harv 1	harv 1	harv 2	harv 2	harv 3	harv 3	harv 4	harv 4	
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	
Part Rated									
Rating Data Type	#	wt/lbs	#	wt/lbs	#	wt/lbs	#	wt/lbs	
Rating Unit	Har 1	Har 1	Har 2	Har 2	Har 3	Har 3	Har 4	Har 4	
Rating Date	May-31-07	May-31-07	Jun-07-07	Jun-07-07	Jun-13-07	Jun-13-07	Jun-22-07	Jun-22-07	
Assessed By									
Trt-Eval Interval	94 DA-A	94 DA-A	101 DA-A	101 DA-A	107 DA-A	107 DA-A	116 DA-A	116 DA-A	
ARM Action Codes									
Trt Treatment	Rate								
No. Name	Rate Unit	157	158	159	160	161	162	163	164
1 No herbicide		47 a	19 a	47 a	17 a	29 a	11 a	23 bc	6 a
2 Reflex	1 PT/A	53 a	20 a	52 a	19 a	27 a	10 a	32 ab	9 a
3 Reflex	2 PT/A	61 a	21 a	55 a	19 a	29 a	10 a	21 c	7 a
4 Reflex	2 PT/A	62 a	23 a	47 a	16 a	27 a	10 a	34 a	10 a
	Dual Magnum 12 OZ/A								
LSD (P=.05)		19.7	8.0	14.2	4.2	10.6	3.7	9.6	3.9
Standard Deviation		12.3	5.0	8.9	2.6	6.6	2.3	6.0	2.5
CV		22.24	23.77	17.69	14.57	23.73	22.53	22.17	30.05
Bartlett's X2		5.183	8.3	6.476	9.168	0.213	0.252	3.212	4.247
P(Bartlett's X2)		0.159	0.04*	0.091	0.027*	0.975	0.969	0.36	0.236

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

University of Georgia

Weed Code	harv 1-3	harv 1-3	harv 1-4	harv 1-4	harv 1	harv 1	harv 2	harv 2
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	LYPES	LYPES	LYPES	LYPES
Part Rated					Har1	Har1	Har2	Har2
Rating Data Type	#	wt/lbs	#	wt/lbs	Jumbo	Jumbo	Jumbo	Jumbo
Rating Unit	Harv1-3	Har1-3	Har1-4	Har1-4	#	wt/lbs	#	wt/lbs
Rating Date	Jun-13-07	Jun-13-07	Jun-22-07	Jun-22-07	May-23-07	May-23-07	May-30-07	May-30-07
Assessed By								
Trt-Eval Interval	107 DA-A	107 DA-A	116 DA-A	116 DA-A	86 DA-A	86 DA-A	93 DA-A	93 DA-A
ARM Action Codes	T9	T10	T11	T12				
Trt Treatment								
Rate								
No. Name	165	166	167	168	170	171	172	173
1 No herbicide	124 a	48 a	147 b	54 a	26 a	12 a	3 a	1 a
2 Reflex 1 PT/A	132 a	50 a	163 ab	59 a	29 a	14 a	4 a	2 a
3 Reflex 2 PT/A	144 a	51 a	164 ab	58 a	31 a	15 a	4 a	2 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	136 a	49 a	169 a	60 a	26 a	12 a	5 a	2 a
LSD (P=.05)	21.3	8.1	18.6	8.0	11.4	4.9	4.1	2.1
Standard Deviation	13.3	5.0	11.6	5.0	7.1	3.1	2.6	1.3
CV	9.99	10.17	7.24	8.71	25.54	23.13	61.94	69.63
Bartlett's X2	5.169	7.276	1.307	2.202	0.705	1.461	6.871	5.83
P(Bartlett's X2)	0.16	0.064	0.727	0.532	0.872	0.691	0.076	0.12

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

Column 151: T9 = ([C157]+[C159]+[C161])

Column 152: T10 = ([C158]+[C160]+[C162])

Column 153: T11 = ([C157]+[C159]+[C161]+[C163])

Column 154: T12 = ([C158]+[C160]+[C162]+[C164])

University of Georgia

Weed Code	harv 2	harv 2	harv 2	harv 2	harv 2	harv 2	harv 3	harv 3
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
Part Rated	Har2	Har2	Har2	Har2	Har2	Har2	Har3	Har3
Rating Data Type	large	large	medium	medium	small	small	jumbo	jumbo
Rating Unit	#	wt/lbs	#	wt/lbs	#	wt/lbs	#	wt/lbs
Rating Date	May-30-07	May-30-07	May-30-07	May-30-07	May-30-07	May-30-07	Jun-06-07	Jun-06-07
Assessed By								
Trt-Eval Interval	93 DA-A	93 DA-A	93 DA-A	93 DA-A	93 DA-A	93 DA-A	100 DA-A	100 DA-A
ARM Action Codes								
Trt Treatment								
Rate								
No. Name	174	175	176	177	178	179	180	181
1 No herbicide	12 a	4 a	5 a	1 a	5 a	1 a	11 a	5 a
2 Reflex 1 PT/A	10 a	4 a	5 a	1 a	2 a	0 a	11 a	6 a
3 Reflex 2 PT/A	9 a	3 a	8 a	2 a	3 a	0 a	7 a	3 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	9 a	3 a	8 a	2 a	3 a	0 a	8 a	4 a
LSD (P=.05)	8.2	2.8	4.8	1.4	2.5	0.4	6.7	3.9
Standard Deviation	5.1	1.8	3.0	0.9	1.5	0.3	4.2	2.4
CV	51.83	50.39	46.91	55.34	49.17	54.14	45.76	51.3
Bartlett's X2	3.313	3.224	2.082	1.537	6.952	2.603	9.796	9.591
P(Bartlett's X2)	0.346	0.358	0.555	0.674	0.073	0.457	0.02*	0.022*

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 4	harv 4
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
Part Rated	Har3	Har3	Har3	Har3	Har3	Har3	Har4	Har4
Rating Data Type	large	large	medium	medium	small	small	jumbo	jumbo
Rating Unit	#	wt/lbs	#	wt/lbs	#	wt/lbs	#	wt/lbs
Rating Date	Jun-06-07	Jun-06-07	Jun-06-07	Jun-06-07	Jun-06-07	Jun-06-07	Jun-13-07	Jun-13-07
Assessed By								
Trt-Eval Interval	100 DA-A	100 DA-A	100 DA-A	100 DA-A	100 DA-A	100 DA-A	107 DA-A	107 DA-A
ARM Action Codes								
Trt Treatment								
No. Name	182	183	184	185	186	187	188	189
Rate Unit								
1 No herbicide	4 a	2 a	2 a	1 a	1 a	0 a	47 ab	26 a
2 Reflex 1 PT/A	3 a	1 a	1 a	0 b	2 a	0 a	52 a	29 a
3 Reflex 2 PT/A	3 a	1 a	1 a	0 b	2 a	0 a	39 b	22 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	2 a	1 a	2 a	0 ab	1 a	0 a	41 ab	23 a
LSD (P=.05)	2.4	0.9	1.5	0.3	1.3	0.2	11.6	7.5
Standard Deviation	1.5	0.6	0.9	0.2	0.8	0.1	7.3	4.7
CV	54.39	53.34	73.03	62.04	57.09	49.48	16.31	18.53
Bartlett's X2	1.891	2.181	3.109	3.463	0.183	4.087	2.591	4.615
P(Bartlett's X2)	0.595	0.536	0.375	0.326	0.98	0.252	0.459	0.202

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 5	harv 5
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
Part Rated	Har4	Har4	Har4	Har4	Har4	Har4	Har5	Har5
Rating Data Type	large	large	medium	medium	small	small	jumbo	jumbo
Rating Unit	#	wt/lbs	#	wt/lbs	#	wt/lbs	#	wt/lbs
Rating Date	Jun-13-07	Jun-13-07	Jun-13-07	Jun-13-07	Jun-13-07	Jun-13-07	Jun-18-07	Jun-18-07
Assessed By								
Trt-Eval Interval	107 DA-A	107 DA-A	107 DA-A	107 DA-A	107 DA-A	107 DA-A	112 DA-A	112 DA-A
ARM Action Codes								
Trt Treatment								
Rate								
No. Name Rate Unit	190	191	192	193	194	195	196	197
1 No herbicide	9 ab	3 ab	3 a	1 a	3 a	0 a	59 a	37 a
2 Reflex 1 PT/A	11 ab	4 a	4 a	1 a	2 a	0 a	60 a	38 a
3 Reflex 2 PT/A	6 b	2 b	3 a	1 a	3 a	0 a	64 a	41 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	13 a	5 a	2 a	1 a	3 a	0 a	57 a	43 a
LSD (P=.05)	5.4	2.0	3.5	1.0	3.6	0.5	16.4	15.0
Standard Deviation	3.4	1.2	2.2	0.7	2.3	0.3	10.2	9.4
CV	34.13	33.36	70.15	83.23	92.31	96.55	17.1	23.56
Bartlett's X2	3.714	2.933	2.06	1.945	1.489	1.344	0.399	4.961
P(Bartlett's X2)	0.294	0.402	0.56	0.584	0.685	0.719	0.94	0.175

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 6	harv 6
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
Part Rated	Har5	Har5	Har5	Har5	Har5	Har5	Har6	Har6
Rating Data Type	large	large	medium	medium	small	small	jumbo	jumbo
Rating Unit	#	wt/lbs	#	wt/lbs	#	wt/lbs	#	wt/lbs
Rating Date	Jun-18-07	Jun-18-07	Jun-18-07	Jun-18-07	Jun-18-07	Jun-18-07	Jun-25-07	Jun-25-07
Assessed By								
Trt-Eval Interval	112 DA-A	112 DA-A	112 DA-A	112 DA-A	112 DA-A	112 DA-A	119 DA-A	119 DA-A
ARM Action Codes								
Trt Treatment								
No. Name	198	199	200	201	202	203	204	205
Rate Unit								
1 No herbicide	18 a	7 a	4 a	1 a	2 a	0 a	100 a	66 a
2 Reflex 1 PT/A	17 a	6 a	6 a	2 a	3 a	0 a	98 a	64 a
3 Reflex 2 PT/A	21 a	8 a	4 a	1 a	3 a	0 a	90 a	59 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	17 a	6 a	6 a	2 a	2 a	1 a	88 a	61 a
LSD (P=.05)	10.6	3.9	3.6	0.8	2.2	0.4	23.6	13.3
Standard Deviation	6.6	2.5	2.3	0.5	1.4	0.3	14.7	8.3
CV	36.27	36.16	44.69	39.63	58.29	56.61	15.72	13.31
Bartlett's X2	0.374	1.118	1.071	1.487	0.947	0.208	0.344	0.429
P(Bartlett's X2)	0.945	0.773	0.784	0.685	0.623	0.976	0.952	0.934

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 1-3	harv 1-3	harv 1-6	harv 1-6
Crop Code	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES	LYPES
Part Rated	Har6	Har6	Har6	Har6				
Rating Data Type	large	large	med/sm	med/sm	jumbo	jumbo	jumbo	jumbo
Rating Unit	#	wt/lbs	#	wt/lbs	#	wt/lbs	#	wt/lbs
Rating Date	Jun-25-07	Jun-25-07	Jun-25-07	Jun-25-07	Nov-30-07	Nov-30-07	Nov-30-07	Nov-30-07
Assessed By								
Trt-Eval Interval	119 DA-A	119 DA-A	119 DA-A	119 DA-A				
ARM Action Codes					T13	T14	T15	T16
Trt Treatment								
Rate								
No. Name Rate Unit	206	207	208	209	210	211	212	213
1 No herbicide	45 a	18 a	5 a	1 a	39 a	19 a	224 a	148 a
2 Reflex 1 PT/A	43 a	19 a	5 a	1 a	45 a	22 a	231 a	153 a
3 Reflex 2 PT/A	38 a	17 a	5 a	1 a	42 a	20 a	217 a	142 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	42 a	18 a	4 a	1 a	40 a	19 a	207 a	146 a
LSD (P=.05)	11.5	6.7	4.9	1.2	15.1	7.3	26.1	21.1
Standard Deviation	7.2	4.2	3.0	0.7	9.4	4.6	16.3	13.2
CV	17.0	23.51	66.59	67.5	22.87	22.9	7.41	8.94
Bartlett's X2	4.54	3.804	1.267	2.469	4.758	4.632	3.67	3.965
P(Bartlett's X2)	0.209	0.283	0.737	0.481	0.19	0.201	0.299	0.265

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

Column 195: T13 = ([C170]+[C172]+[C180])

Column 196: T14 = ([C171]+[C173]+[C181])

Column 197: T15 = ([C170]+[C172]+[C180]+[C189]+[C196]+[C204])

Column 198: T16 = ([C171]+[C173]+[C181]+[C189]+[C197]+[C205])

University of Georgia

Weed Code	harv 2-3 LYPES	harv 2-3 LYPES	harv 2-6 LYPES	harv 2-6 LYPES	harv 2-3 LYPES	harv 2-3 LYPES	harv 2-6 LYPES	harv 2-6 LYPES
Crop Code								
Part Rated								
Rating Data Type	large	large	large	large	medium	medium	medium	medium
Rating Unit	#	wt/lbs	#	wt/lbs	#	wt/lbs	#	wt/lbs
Rating Date	Nov-30-07	Nov-30-07	Nov-30-07	Nov-30-07	Nov-30-07	Nov-30-07	Nov-30-07	Nov-30-07
Assessed By								
Trt-Eval Interval								
ARM Action Codes	T17	T18	T19	T20	T21	T22	T23	T24
Trt Treatment								
Rate								
No. Name	214	215	216	217	218	219	220	221
1 No herbicide	26 a	9 a	88 a	34 a	10 a	2 a	19 a	4 a
2 Reflex 1 PT/A	23 a	9 a	84 a	34 a	10 a	2 a	21 a	5 a
3 Reflex 2 PT/A	18 a	6 a	77 a	31 a	12 a	3 a	20 a	5 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	24 a	9 a	83 a	33 a	11 a	3 a	22 a	6 a
LSD (P=.05)	10.5	3.7	21.1	9.4	5.9	1.8	6.4	1.9
Standard Deviation	6.6	2.3	13.2	5.9	3.7	1.1	4.0	1.2
CV	29.14	27.89	15.95	17.83	34.13	41.95	19.61	23.05
Bartlett's X2	2.095	1.629	1.517	1.812	0.596	0.147	1.393	1.73
P(Bartlett's X2)	0.553	0.653	0.678	0.612	0.897	0.986	0.707	0.63

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

Column 199: T17 = ([C174]+[C182]+[C190])

Column 200: T18 = ([C175]+[C183]+[C191])

Column 201: T19 = ([C174]+[C182]+[C190]+[C198]+[C206])

Column 202: T20 = ([C175]+[C183]+[C191]+[C199]+[C207])

Column 203: T21 = ([C176]+[C184]+[C192])

Column 204: T22 = ([C177]+[C185]+[C193])

Column 205: T23 = ([C176]+[C184]+[C192]+[C200]+[C208])

Column 206: T24 = ([C177]+[C185]+[C193]+[C201]+[C209])

University of Georgia

Weed Code	harv 2-3	harv 2-3	harv 2-6	harv 2-6	harv 1	harv 1	harv 2	harv 2	
Crop Code	LYPES	LYPES	LYPES	LYPES	SOLME	SOLME	SOLME	SOLME	
Part Rated					Har1	Har1	Har2	Har2	
Rating Data Type	small	small	small	small	.	.	.	.
Rating Unit	#	wt/lbs	#	wt/lbs	#	wt/lbs	#	wt/lbs	
Rating Date	Nov-30-07	Nov-30-07	Nov-30-07	Nov-30-07	Jun-03-07	Jun-03-07	Jun-08-07	Jun-08-07	
Assessed By					97 DA-A	97 DA-A	102 DA-A	102 DA-A	
Trt-Eval Interval									
ARM Action Codes	T25	T26	T27	T28					
Trt Treatment	Rate								
No. Name	Rate Unit	222	223	224	225	227	228	229	230
1 No herbicide		9 a	1 a	15 a	3 a	6 a	7 a	18 a	23 a
2 Reflex	1 PT/A	5 a	1 a	13 a	3 a	3 a	3 a	17 a	22 a
3 Reflex	2 PT/A	8 a	1 a	15 a	3 a	3 a	3 a	13 a	17 a
4 Reflex	2 PT/A	7 a	1 a	13 a	3 a	5 a	6 a	13 a	18 a
Dual Magnum	12 OZ/A								
LSD (P=.05)		4.2	0.7	4.2	1.2	3.3	4.3	8.0	11.2
Standard Deviation		2.6	0.4	2.6	0.8	2.0	2.7	5.0	7.0
CV		37.8	41.26	18.69	29.23	51.03	53.3	33.82	34.75
Bartlett's X2		3.502	0.426	5.717	2.601	0.31	0.819	2.024	2.647
P(Bartlett's X2)		0.32	0.935	0.126	0.457	0.958	0.845	0.567	0.449

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

Column 207: T25 = ([C178]+[C186]+[C194])

Column 208: T26 = ([C179]+[C187]+[C195])

Column 209: T27 = ([C178]+[C186]+[C194]+[C202]+[C208])

Column 210: T28 = ([C179]+[C187]+[C195]+[C203]+[C209])

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Weed Code	harv 3	harv 3	harv 4	harv 4	harv 5	harv 5	harv 6	harv 6
Crop Code	SOLME	SOLME	SOLME	SOLME	SOLME	SOLME	SOLME	SOLME
Part Rated	Har3	Har3	Har4	Har4	Har5	Har5	Har6	Har6
Rating Data Type	.	..	.	.	.	.	.	.
Rating Unit	#	wt/lbs	#	wt/lbs	#	wt/lbs	#	wt/lbs
Rating Date	Jun-14-07	Jun-14-07	Jun-22-07	Jun-22-07	Jun-28-07	Jun-28-07	Jul-06-07	Jul-06-07
Assessed By								
Trt-Eval Interval	108 DA-A	108 DA-A	116 DA-A	116 DA-A	122 DA-A	122 DA-A	130 DA-A	130 DA-A
ARM Action Codes								
Trt Treatment Rate								
No. Name Rate Unit	231	232	233	234	235	236	237	238
1 No herbicide	26 a	36 a	25 a	38 a	17 a	28 a	22 a	32 a
2 Reflex 1 PT/A	33 a	46 a	26 a	39 a	19 a	31 a	21 a	33 a
3 Reflex 2 PT/A	31 a	43 a	24 a	36 a	18 a	30 a	25 a	37 a
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	34 a	47 a	26 a	40 a	19 a	29 a	21 a	32 a
LSD (P=.05)	10.0	13.0	9.8	15.7	12.2	19.0	7.7	12.2
Standard Deviation	6.3	8.1	6.1	9.8	7.6	11.9	4.8	7.6
CV	20.2	18.85	24.49	25.82	41.81	40.47	22.07	22.69
Bartlett's X2	0.937	1.793	1.06	1.925	0.404	0.325	2.448	3.251
P(Bartlett's X2)	0.817	0.617	0.787	0.588	0.939	0.955	0.485	0.354

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

University of Georgia

Weed Code	harv 1-3	harv 1-3	harv 1-6	harv 1-6	harv 1	harv 1	harv 2	harv 2
Crop Code	SOLME	SOLME	SOLME	SOLME	CUMSA	CUMSA	CUMSA	CUMSA
Part Rated	Har1-3	Har1-3	Har1-6	Har1-6				
Rating Data Type	.	.	.	.	#	wt/lbs	#	wt/lbs
Rating Unit	#	wt/lbs	#	wt/lbs	.	.	.	.
Rating Date	Nov-30-07	Nov-30-07	Nov-30-07	Nov-30-07	May-08-07	May-08-07	May-11-07	May-11-07
Assessed By								
Trt-Eval Interval					71 DA-A	71 DA-A	74 DA-A	74 DA-A
ARM Action Codes	T29	T30	T31	T32				
Trt Treatment								
Rate								
No. Name	239	240	241	242	244	245	246	247
1 No herbicide	50 a	67 a	113 a	165 a	8 a	4 a	4 a	2 a
2 Reflex 1 PT/A	53 a	71 a	118 a	173 a	2 b	1 b	4 a	2 a
3 Reflex 2 PT/A	46 a	64 a	113 a	166 a	1 b	1 b	1 b	0 b
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	51 a	72 a	116 a	173 a	1 b	0 b	0 b	0 b
LSD (P=.05)	12.5	16.5	19.6	29.1	2.8	1.2	1.6	0.7
Standard Deviation	7.8	10.3	12.3	18.2	1.8	0.7	1.0	0.5
CV	15.66	15.11	10.67	10.74	64.14	52.73	49.98	50.28
Bartlett's X2	1.581	1.672	0.079	0.338	6.996	3.926	3.859	5.837
P(Bartlett's X2)	0.664	0.643	0.994	0.953	0.072	0.27	0.277	0.12

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

Column 223: T29 = ([C227]+[C229]+[C231])

Column 224: T30 = ([C228]+[C230]+[C232])

Column 225: T31 = ([C227]+[C229]+[C231]+[C233]+[C235]+[C237])

Column 226: T32 = ([C228]+[C230]+[C232]+[C234]+[C236]+[C238])

University of Georgia

Weed Code	harv 3	harv 3	harv 4	harv 4	harv 5	harv 5	harv 6	harv 6
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA
Part Rated								
Rating Data Type	#	wt/lbs	#	wt/lbs	#	wt/lbs	#	wt/lbs
Rating Unit	.	.	.	.	.	.	.	.
Rating Date	May-14-07	May-14-07	May-16-07	May-16-07	May-18-07	May-18-07	May-21-07	May-21-07
Assessed By								
Trt-Eval Interval	77 DA-A	77 DA-A	79 DA-A	79 DA-A	81 DA-A	81 DA-A	84 DA-A	84 DA-A
ARM Action Codes								
Trt Treatment								
Rate								
No. Name	248	249	250	251	252	253	254	255
1 No herbicide	20 a	11 a	12 a	6 a	12 a	7 a	15 a	9 a
2 Reflex 1 PT/A	15 ab	8 b	5 b	4 ab	10 a	4 ab	17 a	10 a
3 Reflex 2 PT/A	12 b	5 c	5 b	2 b	8 a	4 ab	9 b	4 b
4 Reflex 2 PT/A Dual Magnum 12 OZ/A	4 c	2 d	3 b	1 b	6 a	2 b	6 b	3 b
LSD (P=.05)	5.4	2.2	5.4	3.0	6.7	3.5	4.2	2.5
Standard Deviation	3.4	1.4	3.4	1.8	4.2	2.2	2.6	1.6
CV	26.53	21.59	55.41	55.34	47.25	51.37	22.16	23.39
Bartlett's X2	0.899	0.914	2.003	3.108	9.972	6.6	2.826	5.162
P(Bartlett's X2)	0.826	0.822	0.572	0.375	0.019*	0.086	0.419	0.16

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

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Weed Code	harv 7	harv 7	harv 8	harv 8	harv 9	harv 9	harv 10	harv 10
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA	CUMSA
Part Rated								
Rating Data Type	#	wt/lbs	#	wt/lbs	#	wt/lbs	#	wt/lbs
Rating Unit	.	.	.	.	.	.	.	.
Rating Date	May-23-07	May-23-07	May-25-07	May-25-07	May-28-07	May-28-07	May-31-07	May-31-07
Assessed By								
Trt-Eval Interval	86 DA-A	86 DA-A	88 DA-A	88 DA-A	91 DA-A	91 DA-A	94 DA-A	94 DA-A
ARM Action Codes								
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate
		Unit	Unit	Unit	Unit	Unit	Unit	Unit
		256	257	258	259	260	261	262
1	No herbicide	21 a	11 a	25 a	12 a	18 a	12 a	22 a
2	Reflex 1 PT/A	18 ab	9 ab	16 b	8 b	16 a	10 ab	23 a
3	Reflex 2 PT/A	13 bc	6 bc	13 bc	6 bc	17 a	10 ab	14 b
4	Reflex 2 PT/A Dual Magnum 12 OZ/A	6 c	3 c	9 c	4 c	12 a	7 b	11 b
LSD (P=.05)		7.0	3.3	5.8	2.6	6.0	3.5	7.5
Standard Deviation		4.4	2.1	3.6	1.6	3.8	2.2	4.7
CV		30.04	28.18	22.81	21.0	23.85	23.27	26.87
Bartlett's X2		3.331	2.017	5.728	6.032	1.722	1.729	3.298
P(Bartlett's X2)		0.343	0.569	0.126	0.11	0.632	0.631	0.348

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

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Weed Code	harv 1-3	harv 1-3	harv1-10	harv1-10
Crop Code	CUMSA	CUMSA	CUMSA	CUMSA
Part Rated				
Rating Data Type	#	wt/lbs	#	wt/lbs
Rating Unit	.	.	.	.
Rating Date	Nov-30-07	Nov-30-07	Nov-30-07	Nov-30-07
Assessed By				
Trt-Eval Interval				
ARM Action Codes	T33	T34	T35	T36
Trt Treatment	Rate	Rate	Rate	Rate
No. Name	Rate Unit	Rate Unit	Rate Unit	Rate Unit
1 No herbicide	31 a	17 a	156 a	89 a
2 Reflex	1 PT/A	21 b	10 b	126 b
3 Reflex	2 PT/A	14 c	6 c	92 c
4 Reflex	2 PT/A	5 d	2 d	57 d
Dual Magnum	12 OZ/A			30 d
LSD (P=.05)	7.2	3.0	24.2	15.6
Standard Deviation	4.5	1.9	15.1	9.8
CV	25.64	20.99	14.0	16.4
Bartlett's X2	0.258	0.291	2.021	1.106
P(Bartlett's X2)	0.968	0.962	0.568	0.776

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

Column 247: T33 = ([C244]+[C246]+[C248])

Column 248: T34 = ([C245]+[C247]+[C249])

Column 249: T35 = ([C244]+[C246]+[C248]+[C250]+[C252]+[C254]+[C256]+[C258]+[C260]+[C262])

Column 250: T36 = ([C245]+[C247]+[C249]+[C251]+[C253]+[C255]+[C257]+[C259]+[C261]+[C263])

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Crop 4: CPSAN bell pepper **Variety:** Herriage
Planting Date: Mar-19-07 **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:** drip **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:** _____

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-26-07
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:	SOLME preplant
Stage Scale:	not up
Height, Unit:	0 inch
Crop 2 Code, Stage:	LYPES preplant
Stage Scale:	not up
Height, Unit:	0 inch
Crop 3 Code, Stage:	CUMSA preplant
Stage Scale:	not up
Height, Unit:	0 inch
Crop 4 Code, Stage:	CPSAN preplant
Stage Scale:	not up
Height, Unit:	0 inch

WEED STAGE AT EACH APPLICATION

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

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