

# University of Georgia

**Seeded and transplant yellow and zucchini squash tolerance to Dual Magnum**

**PRE and POST.**

Trial ID: V24-04(squ)

Study Dir.: Stanley Culpepper

Location: Ponder

Investigator: Stanley Culpepper

Reps: 4

Plots: 6 by 22 feet

Spray vol: 14.8 gal/ac

Mix size: 1 liters (min .67908)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Plot No. By Rep			
								1	2	3	4
1	No herbicide Seeded Yellow							101	209	321	413
2	No herbicide Seeded Zucchini							102	210	322	414
3	No herbicide Transplant Yellow							103	211	323	415
4	No herbicide Transplant Zucchini							104	212	324	416
5	Dual Magnum Seeded Yellow	7.62 L		0.5 pt/a	PRE,PRET	A	4.223 ml/mx	105	213	301	421
6	Dual Magnum Seeded Zucchini	7.62 L		0.5 pt/a	PRE,PRET	A	4.223 ml/mx	106	214	302	422
7	Dual Magnum Transplant Yellow	7.62 L		0.5 pt/a	PRE,PRET	A	4.223 ml/mx	107	215	303	423
8	Dual Magnum Transplant Zucchini	7.62 L		0.5 pt/a	PRE,PRET	A	4.223 ml/mx	108	216	304	424
9	Dual Magnum Seeded Yellow	7.62 L		1 pt/a	PRE,PRET	A	8.445 ml/mx	109	201	317	405
10	Dual Magnum Seeded Zucchini	7.62 L		1 pt/a	PRE,PRET	A	8.445 ml/mx	110	202	318	406
11	Dual Magnum Transplant Yellow	7.62 L		1 pt/a	PRE,PRET	A	8.445 ml/mx	111	203	319	407
12	Dual Magnum Transplant Zucchini	7.62 L		1 pt/a	PRE,PRET	A	8.445 ml/mx	112	204	320	408
13	Dual Magnum Seeded Yellow	7.62 L 7.62 L		0.5 pt/a 0.5 pt/a	PRE,PRET POST-3wk	A B	4.223 ml/mx 4.223 ml/mx	113	221	309	401
14	Dual Magnum Seeded Zucchini	7.62 L 7.62 L		0.5 pt/a 0.5 pt/a	PRE,PRET POST-3wk	A B	4.223 ml/mx 4.223 ml/mx	114	222	310	402
15	Dual Magnum Transplant Yellow	7.62 L 7.62 L		0.5 pt/a 0.5 pt/a	PRE,PRET POST-3wk	A B	4.223 ml/mx 4.223 ml/mx	115	223	311	403

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Reps: 4                      Plots: 6 by 22 feet  
 Spray vol: 14.8 gal/ac      Mix size: 1 liters (min .67908)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	Amt Product to Measure	Plot No. By Rep			
									1	2	3	4
16	Dual Magnum Dual Magnum Transplant Zucchini	7.62	L	0.5	pt/a	PRE,PRET	A	4.223 ml/mx	116	224	312	404
17	Dual Magnum Seeded Yellow	7.62	L	0.5	pt/a	POST-3wk	B	4.223 ml/mx	117	205	313	409
18	Dual Magnum Seeded Zucchini	7.62	L	0.5	pt/a	POST-3wk	B	4.223 ml/mx	118	206	314	410
19	Dual Magnum Transplant Yellow	7.62	L	0.5	pt/a	POST-3wk	B	4.223 ml/mx	119	207	315	411
20	Dual Magnum Transplant Zucchini	7.62	L	0.5	pt/a	POST-3wk	B	4.223 ml/mx	120	208	316	412
21	Dual Magnum Seeded Yellow	7.62	L	1	pt/a	POST-3wk	B	8.445 ml/mx	121	217	305	417
22	Dual Magnum Seeded Zucchini	7.62	L	1	pt/a	POST-3wk	B	8.445 ml/mx	122	218	306	418
23	Dual Magnum Transplant Yellow	7.62	L	1	pt/a	POST-3wk	B	8.445 ml/mx	123	219	307	419
24	Dual Magnum Transplant Zucchini	7.62	L	1	pt/a	POST-3wk	B	8.445 ml/mx	124	220	308	420

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Lot Code
168.901	ml	Dual Magnum 7.62 L	

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

### Trial Comments

OBJECTIVE: Evaluate transplant and seeded yellow and zucchini squash response to Dual Magnum applied PRE and POST.

Main effects were significant for all variables and will be discussed. Factors included herbicide treatments, squash type (yellow or zucchini), and planting type (seeded or transplant).

**VISUAL INJURY RESPONSE:**

1. Pooled over cultivar and planting type at 19 d after planting, Dual PRE at 0.5 and 1 pt stunted squash 18 and 8%, respectively. By 41 days after PRE and 15 days after the POST, squash was stunted 19, 12, 2 and 6% by Dual 1 pt PRE, 0.5 pt PRE, 0.5 pt POST, and 1 pt POST, respectively.
2. At 3 of 4 evaluation dates, seeded squash were injured 2 to 4% more than transplant squash when pooled over squash type and herbicide system.
3. Yellow and Zucchini squash responded similarly to herbicide treatments.

PLANT HEIGHTS (Averaged over 8 plants per plot):

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1. At 28 d after Dual PRE, no statistical differences were noted by herbicide treatments
2. By 46 d after planting, Dual PRE at 0.5 and 1 pt/A stunted squash growth 12 and 25%, respectively, when compared to the non-treated. Dual POST had no impact on height.
3. By 55 d after planting, Dual PRE at 0.5 or 1 pt/A stunted squash growth 20 and 29%, respectively, when compared to the non-treated. Dual POST at either rate reduced heights 12 to 16%.

## EARLY SEASON YIELDS (Averaged over harvest 1, 2, and 3):

1. Dual PRE at 1 or 0.5 pt/A reduced the number of squash produced by 78 and 45%, respectively.
2. Dual POST alone did not reduce the number of squash produced.
3. Dual PRE at 1 or 0.5 pt/A reduced the weight of squash produced by 88 and 56%, respectively.
4. Dual POST did not reduce the weight of squash produced.
5. Transplant squash produced 63% more fruit than seeded squash.
6. Transplant squash produced 45% more weight than seeded squash.
7. Yellow squash produced over twice the number of fruit but the similar weights when compared to zucchini squash.

## TOTAL SEASON YIELDS (Averaged over all 12 harvest dates):

1. Dual POST at 0.5 pt/A was the only system that did not reduce the number or weight of fruit produced compared to the non-treated control, when averaged over cultivar and plant type.
2. Yields were similar when comparing seeding and transplanting.
3. Yellow squash produced 36% more fruit but 37% less weight than zucchini squash.

## CONCLUSIONS:

1. Both yellow and zucchini seeded and transplant squash appear tolerant to Dual at 0.5 pt/A applied POST.
2. Squash are more sensitive to Dual applied PRE as compared to POST.

## GENERAL COMMENTS:

1. On April 5, seed were planted and PRE and PRET treatments were applied. Transplants were then transplanted. Within 4 hours irrigation of 0.5 inch was applied.
2. On May 1, POST applications were made. Seeded yellow squash was 2-4 lf and 4 inches; seeded zucchini squash was 3-4 leaf and 5 inches; transplant yellow squash was 4-6 leaf and 5 inches; transplant zucchini squash was 5-6 leaf and 6 inches.

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**Seeded and transplant yellow and zucchini squash tolerance to Dual Magnum  
PRE and POST.**

Trial ID: V24-04(squ)

Study Dir.: Stanley Culpepper

Location: Ponder

Investigator: Stanley Culpepper

Weed Code	squash injury percent	squash injury percent	squash injury percent	squash injury percent	squash plnt in plot #	plant 1 squash ht cm	plant 2 squash ht cm	plant 3 squash ht cm			
Crop Code											
Rating Data Type											
Rating Unit											
Rating Date	Apr-26-05	May-10-05	May-16-05	May-20-05	May-16-05	May-03-05	May-03-05	May-03-05			
Trt-Eval Interval	21 DA-A	35 DA-A	41 DA-A	45 DA-A	41 DA-A	28 DA-A	28 DA-A	28 DA-A			
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Rate Unit	1	2	3	4	5	6	7	8
1	No herbicide Seeded Yellow			0	0	0	0	8	5	5	4
2	No herbicide Seeded Zucchini			0	0	2	0	8	5	4	4
3	No herbicide Transplant Yellow			0	0	0	0	8	8	7	7
4	No herbicide Transplant Zucchini			0	0	0	0	8	7	5	6
5	Dual Magnum Seeded Yellow	0.5	pt/a	12	8	13	15	7	5	6	5
6	Dual Magnum Seeded Zucchini	0.5	pt/a	9	5	8	9	8	4	4	4
7	Dual Magnum Transplant Yellow	0.5	pt/a	7	4	15	16	8	7	7	7
8	Dual Magnum Transplant Zucchini	0.5	pt/a	7	4	14	15	8	6	6	6
9	Dual Magnum Seeded Yellow	1	pt/a	21	16	16	11	8	5	5	5
10	Dual Magnum Seeded Zucchini	1	pt/a	21	13	15	13	8	4	3	5
11	Dual Magnum Transplant Yellow	1	pt/a	14	16	24	21	8	6	7	7
12	Dual Magnum Transplant Zucchini	1	pt/a	15	16	21	21	8	7	7	6
13	Dual Magnum Seeded Yellow	0.5	pt/a	10	8	9	10	7	4	5	5
14	Dual Magnum Seeded Zucchini	0.5	pt/a	5	6	8	5	8	3	4	5

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Weed Code						plant 1	plant 2	plant 3			
Crop Code		squash	squash	squash	squash	squash	squash	squash			
Rating Data Type		injury	injury	injury	injury	plt in plot	ht	ht			
Rating Unit		percent	percent	percent	percent	#	cm	cm			
Rating Date		Apr-26-05	May-10-05	May-16-05	May-20-05	May-16-05	May-03-05	May-03-05			
Trt-Eval Interval		21 DA-A	35 DA-A	41 DA-A	45 DA-A	41 DA-A	28 DA-A	28 DA-A			
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	1	2	3	4	5	6	7	8
15	Dual Magnum Dual Magnum Transplant Yellow	0.5 0.5	pt/a pt/a	5	10	14	14	8	6	7	7
16	Dual Magnum Dual Magnum Transplant Zucchinni	0.5 0.5	pt/a pt/a	6	10	17	15	7	7	5	6
17	Dual Magnum Seeded Yellow	0.5	pt/a	0	2	1	5	8	5	6	6
18	Dual Magnum Seeded Zucchinni	0.5	pt/a	0	1	0	5	8	4	5	5
19	Dual Magnum Transplant Yellow	0.5	pt/a	0	6	3	8	8	7	7	7
20	Dual Magnum Transplant Zucchinni	0.5	pt/a	0	7	4	5	8	6	7	6
21	Dual Magnum Seeded Yellow	1	pt/a	0	4	5	5	7	5	5	6
22	Dual Magnum Seeded Zucchinni	1	pt/a	0	3	5	4	8	4	5	5
23	Dual Magnum Transplant Yellow	1	pt/a	0	3	5	7	8	7	7	7
24	Dual Magnum Transplant Zucchinni	1	pt/a	0	5	8	10	8	5	5	6
LSD (P=.05)				4.8	7.2	8.3	7.5	0.8	1.7	1.9	2.1
Standard Deviation				3.4	5.1	5.9	5.3	0.6	1.2	1.3	1.5
CV				63.05	84.99	69.12	59.85	7.73	22.31	24.9	26.18

Means followed by same letter do not significantly differ (P=.05, LSD)

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Weed Code	plant 4 squash	plant 5 squash	plant 6 squash	plant 7 squash	plant 8 squash	Avg 8 pl squash	plant 1 squash	plant 2 squash		
Crop Code										
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht		
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm		
Rating Date	May-03-05	May-03-05	May-03-05	May-03-05	May-03-05	May-03-05	May-11-05	May-11-05		
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	36 DA-A	36 DA-A		
ARM Action Codes						T2				
# Subsamples, Dec.						1				
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
16	Rate Unit	9	10	11	12	13	14	15		
1	No herbicide Seeded Yellow	4	5	5	4	4	4.4	14	13	
2	No herbicide Seeded Zucchini	3	4	4	5	4	4.0	13	13	
3	No herbicide Transplant Yellow	8	8	7	8	6	7.3	16	15	
4	No herbicide Transplant Zucchini	5	6	7	7	6	5.9	12	13	
5	Dual Magnum Seeded Yellow	0.5 pt/a	4	5	4	5	4	4.6	10	12
6	Dual Magnum Seeded Zucchini	0.5 pt/a	4	5	5	4	6	4.3	11	12
7	Dual Magnum Transplant Yellow	0.5 pt/a	7	6	7	7	7	6.8	14	13
8	Dual Magnum Transplant Zucchini	0.5 pt/a	5	6	6	7	6	5.9	15	14
9	Dual Magnum Seeded Yellow	1 pt/a	5	6	6	5	5	4.9	11	12
10	Dual Magnum Seeded Zucchini	1 pt/a	4	4	5	5	5	4.2	10	9
11	Dual Magnum Transplant Yellow	1 pt/a	7	8	7	8	7	7.1	11	9
12	Dual Magnum Transplant Zucchini	1 pt/a	7	6	7	8	5	6.5	9	8
13	Dual Magnum Seeded Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	5	6	4	5	4	4.6	10	12
14	Dual Magnum Seeded Zucchini	0.5 pt/a Dual Magnum 0.5 pt/a	6	5	5	5	5	4.7	11	11
15	Dual Magnum Transplant Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	7	8	8	8	7	7.0	13	13

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Weed Code	plant 4 squash	plant 5 squash	plant 6 squash	plant 7 squash	plant 8 squash	Avg 8 pl squash	plant 1 squash	plant 2 squash	
Crop Code									
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	
Rating Date	May-03-05	May-03-05	May-03-05	May-03-05	May-03-05	May-03-05	May-11-05	May-11-05	
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	36 DA-A	36 DA-A	
ARM Action Codes						T2			
# Subsamples, Dec.						1			
Trt No.	9	10	11	12	13	14	15	16	
Treatment Name									
Rate									
Unit									
16 Dual Magnum Dual Magnum Transplant Zucchinni	0.5 pt/a 0.5 pt/a	5	6	7	6	6	5.8	10	9
17 Dual Magnum Seeded Yellow	0.5 pt/a	6	7	7	6	4	5.8	13	13
18 Dual Magnum Seeded Zucchinni	0.5 pt/a	5	5	6	5	5	4.9	13	15
19 Dual Magnum Transplant Yellow	0.5 pt/a	7	7	7	7	8	6.9	18	17
20 Dual Magnum Transplant Zucchinni	0.5 pt/a	6	5	5	6	6	5.8	15	13
21 Dual Magnum Seeded Yellow	1 pt/a	6	4	7	6	6	5.5	12	13
22 Dual Magnum Seeded Zucchinni	1 pt/a	4	4	5	5	5	4.4	12	13
23 Dual Magnum Transplant Yellow	1 pt/a	8	7	8	8	7	7.2	16	14
24 Dual Magnum Transplant Zucchinni	1 pt/a	5	6	6	7	6	5.6	15	15
LSD (P=.05)		1.4	1.7	1.9	1.7	1.5	0.92	5.5	5.1
Standard Deviation		1.0	1.2	1.4	1.2	1.1	0.65	3.9	3.6
CV		18.45	21.6	23.05	19.79	19.74	11.7	31.39	29.09

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 14: T2 = @AVG([C6],[C13])

# University of Georgia

Weed Code	plant 3 squash	plant 4 squash	plant 5 squash	plant 6 squash	plant 7 squash	plant 8 squash	Avg 8 pl squash	plant 1 squash		
Crop Code	ht	ht	ht	ht	ht	ht	ht	ht		
Rating Data Type	cm	cm	cm	cm	cm	cm	cm	cm		
Rating Unit	May-11-05	May-11-05	May-11-05	May-11-05	May-11-05	May-11-05	May-11-05	May-20-05		
Rating Date	36 DA-A	36 DA-A	36 DA-A	36 DA-A	36 DA-A	36 DA-A	36 DA-A	45 DA-A		
Trt-Eval Interval							T3			
ARM Action Codes							1			
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
Unit	Rate Unit	17	18	19	20	21	22	23		
1	No herbicide Seeded Yellow	0.5 pt/a	13	8	12	15	15	14	12.8	23
2	No herbicide Seeded Zucchini		14	10	13	13	15	16	13.3	24
3	No herbicide Transplant Yellow		14	15	15	15	15	16	15.1	25
4	No herbicide Transplant Zucchini		12	14	15	15	12	13	13.1	23
5	Dual Magnum Seeded Yellow	0.5 pt/a	13	10	11	12	13	10	11.3	23
6	Dual Magnum Seeded Zucchini	0.5 pt/a	12	10	14	13	12	9	11.4	21
7	Dual Magnum Transplant Yellow	0.5 pt/a	12	12	13	13	14	14	13.1	19
8	Dual Magnum Transplant Zucchini	0.5 pt/a	9	10	15	11	14	9	12.0	19
9	Dual Magnum Seeded Yellow	1 pt/a	11	13	12	14	12	11	11.8	19
10	Dual Magnum Seeded Zucchini	1 pt/a	10	10	9	11	10	9	9.7	16
11	Dual Magnum Transplant Yellow	1 pt/a	11	11	11	12	11	12	10.8	15
12	Dual Magnum Transplant Zucchini	1 pt/a	8	8	7	9	8	12	8.5	16
13	Dual Magnum Seeded Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	10	10	12	11	12	11	10.8	16
14	Dual Magnum Seeded Zucchini	0.5 pt/a Dual Magnum 0.5 pt/a	12	14	11	12	15	12	12.2	18
15	Dual Magnum Transplant Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	13	13	12	11	13	12	12.4	18



# University of Georgia

Weed Code	plant 3 squash	plant 4 squash	plant 5 squash	plant 6 squash	plant 7 squash	plant 8 squash	Avg 8 pl squash	plant 1 squash			
Crop Code											
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	May-11-05	May-11-05	May-11-05	May-11-05	May-11-05	May-11-05	May-11-05	May-20-05			
Trt-Eval Interval	36 DA-A	36 DA-A	36 DA-A	36 DA-A	36 DA-A	36 DA-A	36 DA-A	45 DA-A			
ARM Action Codes							T3				
# Subsamples, Dec.							1				
Trt No.	Treatment Name	Rate	Unit	17	18	19	20	21	22	23	24
16	Dual Magnum Dual Magnum Transplant Zucchini	0.5 0.5	pt/a pt/a	8	9	6	15	9	13	9.8	15
17	Dual Magnum Seeded Yellow	0.5	pt/a	14	14	14	14	10	8	12.4	19
18	Dual Magnum Seeded Zucchini	0.5	pt/a	11	15	15	13	13	15	13.6	20
19	Dual Magnum Transplant Yellow	0.5	pt/a	16	14	14	12	15	18	15.3	23
20	Dual Magnum Transplant Zucchini	0.5	pt/a	11	11	13	15	10	15	12.9	20
21	Dual Magnum Seeded Yellow	1	pt/a	14	13	11	13	13	13	12.5	21
22	Dual Magnum Seeded Zucchini	1	pt/a	13	12	11	15	14	13	12.7	19
23	Dual Magnum Transplant Yellow	1	pt/a	14	14	14	14	14	16	14.2	18
24	Dual Magnum Transplant Zucchini	1	pt/a	13	13	15	13	16	16	14.4	20
LSD (P=.05)				5.1	4.9	5.6	5.7	5.3	6.3	4.01	5.3
Standard Deviation				3.6	3.5	4.0	4.0	3.8	4.4	2.84	3.8
CV				30.22	29.87	32.52	31.5	30.04	35.1	22.98	19.28

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 23: T3 = @AVG([C15].[C22])

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Weed Code	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8	Avg. 8pl		
Crop Code	squash	squash	squash	squash	squash	squash	squash	squash		
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht		
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm		
Rating Date	May-20-05	May-20-05	May-20-05	May-20-05	May-20-05	May-20-05	May-20-05	May-20-05		
Trt-Eval Interval	45 DA-A	45 DA-A	45 DA-A	45 DA-A	45 DA-A	45 DA-A	45 DA-A	45 DA-A		
ARM Action Codes								T1		
# Subsamples, Dec.								1		
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit		
		25	26	27	28	29	30	31	32	
1	No herbicide Seeded Yellow	25	23	23	24	24	24	24	23.8	
2	No herbicide Seeded Zucchini	23	27	28	28	26	26	20	25.2	
3	No herbicide Transplant Yellow	24	26	25	27	26	28	27	25.8	
4	No herbicide Transplant Zucchini	24	26	26	28	26	24	23	24.8	
5	Dual Magnum Seeded Yellow	0.5 pt/a	23	21	19	21	21	20	17	20.6
6	Dual Magnum Seeded Zucchini	0.5 pt/a	20	21	23	20	21	24	21	21.3
7	Dual Magnum Transplant Yellow	0.5 pt/a	21	19	18	17	22	22	20	19.6
8	Dual Magnum Transplant Zucchini	0.5 pt/a	18	20	19	17	20	19	19	18.7
9	Dual Magnum Seeded Yellow	1 pt/a	19	23	23	21	21	17	18	20.0
10	Dual Magnum Seeded Zucchini	1 pt/a	16	16	17	17	19	18	18	17.1
11	Dual Magnum Transplant Yellow	1 pt/a	15	17	18	16	17	15	16	15.9
12	Dual Magnum Transplant Zucchini	1 pt/a	16	17	14	17	18	15	15	15.9
13	Dual Magnum Seeded Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	18	18	16	18	17	18	18	17.0
14	Dual Magnum Seeded Zucchini	0.5 pt/a Dual Magnum 0.5 pt/a	22	22	21	22	19	19	20	20.3
15	Dual Magnum Transplant Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	17	17	17	19	18	19	18	17.8

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Weed Code	plant 2 squash	plant 3 squash	plant 4 squash	plant 5 squash	plant 6 squash	plant 7 squash	plant 8 squash	Avg. 8pl squash			
Crop Code											
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	May-20-05	May-20-05	May-20-05	May-20-05	May-20-05	May-20-05	May-20-05	May-20-05			
Trt-Eval Interval	45 DA-A	45 DA-A	45 DA-A	45 DA-A	45 DA-A	45 DA-A	45 DA-A	45 DA-A			
ARM Action Codes								T1			
# Subsamples, Dec.								1			
Trt No.	Treatment Name	Rate	Unit	25	26	27	28	29	30	31	32
16	Dual Magnum Dual Magnum Transplant Zucchini	0.5 0.5	pt/a pt/a	16	14	15	16	15	14	17	15.3
17	Dual Magnum Seeded Yellow	0.5	pt/a	24	23	25	22	24	23	23	22.6
18	Dual Magnum Seeded Zucchini	0.5	pt/a	21	25	23	24	25	23	24	23.0
19	Dual Magnum Transplant Yellow	0.5	pt/a	22	23	20	23	22	23	23	22.3
20	Dual Magnum Transplant Zucchini	0.5	pt/a	20	16	17	23	24	21	21	20.3
21	Dual Magnum Seeded Yellow	1	pt/a	21	23	20	20	21	22	22	21.2
22	Dual Magnum Seeded Zucchini	1	pt/a	23	22	23	21	23	24	20	21.8
23	Dual Magnum Transplant Yellow	1	pt/a	20	20	22	20	20	20	21	19.9
24	Dual Magnum Transplant Zucchini	1	pt/a	21	20	22	22	22	22	21	21.1
LSD (P=.05)				5.5	6.3	6.0	6.2	5.8	6.1	3.7	4.31
Standard Deviation				3.9	4.4	4.3	4.4	4.1	4.3	2.7	3.05
CV				19.27	21.58	20.79	21.17	19.29	20.85	13.17	14.9

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 32: T1 = @AVG([C24].[C31])

# University of Georgia

Weed Code	Harv 1	Harv 1	Harv 2	Harv 2	Harv 2	Harv 2	Harv 3	Harv 3	
Crop Code	squash	squash	squash	squash	squash	squash	squash	squash	
Rating Data Type	fruit	total	fruit	fruit	cull	cull	fruit	fruit	
Rating Unit	#	wt/lb	#	wt/lb	#	wt/kg	#	wt/lb	
Rating Date	May-17-05	May-17-05	May-20-05	May-20-05	May-20-05	May-20-05	May-23-05	May-23-05	
Trt-Eval Interval	42 DA-A	42 DA-A	45 DA-A	45 DA-A	45 DA-A	45 DA-A	48 DA-A	48 DA-A	
ARM Action Codes									
# Subsamples, Dec.									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
Unit	Rate Unit	33	34	35	36	37	38	39	40
1	No herbicide Seeded Yellow	0	0	0	0	0	0	2	0
2	No herbicide Seeded Zucchini	0	0	0	0	0	0	6	2
3	No herbicide Transplant Yellow	6	0	8	1	0	0	10	2
4	No herbicide Transplant Zucchini	0	0	1	1	0	0	2	0
5	Dual Magnum Seeded Yellow	0.5 pt/a	0	0	0	0	0	2	0
6	Dual Magnum Seeded Zucchini	0.5 pt/a	0	0	0	0	0	4	1
7	Dual Magnum Transplant Yellow	0.5 pt/a	1	0	5	1	0	7	1
8	Dual Magnum Transplant Zucchini	0.5 pt/a	0	0	1	0	0	1	0
9	Dual Magnum Seeded Yellow	1 pt/a	0	0	0	0	0	1	0
10	Dual Magnum Seeded Zucchini	1 pt/a	0	0	0	0	0	1	0
11	Dual Magnum Transplant Yellow	1 pt/a	1	0	2	0	0	5	0
12	Dual Magnum Transplant Zucchini	1 pt/a	0	0	0	0	0	0	0
13	Dual Magnum Seeded Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	0	0	0	0	0	1	0
14	Dual Magnum Seeded Zucchini	0.5 pt/a Dual Magnum 0.5 pt/a	0	0	0	0	0	3	1
15	Dual Magnum Transplant Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	2	0	2	0	0	4	0

# University of Georgia

Weed Code	Harv 1	Harv 1	Harv 2	Harv 2	Harv 2	Harv 2	Harv 3	Harv 3		
Crop Code	squash	squash	squash	squash	squash	squash	squash	squash		
Rating Data Type	fruit	total	fruit	fruit	cull	cull	fruit	fruit		
Rating Unit	#	wt/lb	#	wt/lb	#	wt/kg	#	wt/lb		
Rating Date	May-17-05	May-17-05	May-20-05	May-20-05	May-20-05	May-20-05	May-23-05	May-23-05		
Trt-Eval Interval	42 DA-A	42 DA-A	45 DA-A	45 DA-A	45 DA-A	45 DA-A	48 DA-A	48 DA-A		
ARM Action Codes										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
Unit	Rate Unit	33	34	35	36	37	38	39	40	
16	Dual Magnum Dual Magnum Transplant Zucchini	0.5 pt/a 0.5 pt/a	0	0	0	0	0	1	0	
17	Dual Magnum Seeded Yellow	0.5 pt/a	0	0	2	0	0	2	0	
18	Dual Magnum Seeded Zucchini	0.5 pt/a	0	0	0	0	0	5	1	
19	Dual Magnum Transplant Yellow	0.5 pt/a	4	0	5	0	0	8	1	
20	Dual Magnum Transplant Zucchini	0.5 pt/a	0	0	1	0	0	3	1	
21	Dual Magnum Seeded Yellow	1 pt/a	0	0	0	0	0	6	1	
22	Dual Magnum Seeded Zucchini	1 pt/a	0	0	0	0	0	5	1	
23	Dual Magnum Transplant Yellow	1 pt/a	5	0	6	1	0	5	1	
24	Dual Magnum Transplant Zucchini	1 pt/a	0	0	1	0	0	4	1	
LSD (P=.05)			1.4	0.1	2.6	0.4	0.2	0.0	3.3	0.8
Standard Deviation			1.0	0.1	1.8	0.3	0.1	0.0	2.3	0.5
CV			128.19	161.69	130.99	153.45	697.82	728.54	66.96	88.22

Means followed by same letter do not significantly differ (P=.05, LSD)

# University of Georgia

Weed Code	Harv 3	Harv 3	Harv 4	Harv 4	Harv 4	Harv 4	Harv 4	Harv 5	Harv 5
Crop Code	squash	squash	squash	squash	squash	squash	squash	squash	squash
Rating Data Type	cull	cull	fruit	fruit	cull	cull	cull	fruit	fruit
Rating Unit	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb	wt/lb
Rating Date	May-23-05	May-23-05	May-25-05	May-25-05	May-25-05	May-25-05	May-25-05	May-27-05	May-27-05
Trt-Eval Interval	48 DA-A	48 DA-A	50 DA-A	50 DA-A	50 DA-A	50 DA-A	50 DA-A	52 DA-A	52 DA-A
ARM Action Codes									
# Subsamples, Dec.									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
Unit									
		41	42	43	44	45	46	47	48
1	No herbicide Seeded Yellow	0	0	8	2	0	0	4	1
2	No herbicide Seeded Zucchini	0	0	6	2	0	0	5	2
3	No herbicide Transplant Yellow	0	0	7	1	1	0	4	1
4	No herbicide Transplant Zucchini	0	0	4	1	0	0	4	1
5	Dual Magnum Seeded Yellow	0.5 pt/a	0	0	5	1	0	0	4
6	Dual Magnum Seeded Zucchini	0.5 pt/a	0	0	6	2	0	0	5
7	Dual Magnum Transplant Yellow	0.5 pt/a	0	0	4	1	0	0	4
8	Dual Magnum Transplant Zucchini	0.5 pt/a	0	0	3	1	0	0	2
9	Dual Magnum Seeded Yellow	1 pt/a	0	0	5	1	0	0	4
10	Dual Magnum Seeded Zucchini	1 pt/a	0	0	4	2	0	0	2
11	Dual Magnum Transplant Yellow	1 pt/a	0	0	4	1	0	0	3
12	Dual Magnum Transplant Zucchini	1 pt/a	0	0	1	0	0	0	2
13	Dual Magnum Seeded Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	0	0	6	1	0	0	4
14	Dual Magnum Seeded Zucchini	0.5 pt/a Dual Magnum 0.5 pt/a	0	0	5	2	0	0	3
15	Dual Magnum Transplant Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	0	0	6	1	0	0	5

# University of Georgia

Weed Code	Harv 3	Harv 3	Harv 4	Harv 4	Harv 4	Harv 4	Harv 5	Harv 5		
Crop Code	squash	squash	squash	squash	squash	squash	squash	squash		
Rating Data Type	cull	cull	fruit	fruit	cull	cull	fruit	fruit		
Rating Unit	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb		
Rating Date	May-23-05	May-23-05	May-25-05	May-25-05	May-25-05	May-25-05	May-27-05	May-27-05		
Trt-Eval Interval	48 DA-A	48 DA-A	50 DA-A	50 DA-A	50 DA-A	50 DA-A	52 DA-A	52 DA-A		
ARM Action Codes										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
		Unit	41	42	43	44	45	46	47	48
16	Dual Magnum Dual Magnum Transplant Zucchini	0.5 pt/a 0.5 pt/a	0	0	1	0	0	0	2	0
17	Dual Magnum Seeded Yellow	0.5 pt/a	0	0	10	2	0	0	5	1
18	Dual Magnum Seeded Zucchini	0.5 pt/a	0	0	6	2	0	0	4	2
19	Dual Magnum Transplant Yellow	0.5 pt/a	0	0	5	1	0	0	4	1
20	Dual Magnum Transplant Zucchini	0.5 pt/a	0	0	1	1	0	0	4	1
21	Dual Magnum Seeded Yellow	1 pt/a	0	0	5	1	0	0	5	1
22	Dual Magnum Seeded Zucchini	1 pt/a	0	0	5	2	0	0	3	1
23	Dual Magnum Transplant Yellow	1 pt/a	0	0	7	1	0	0	3	0
24	Dual Magnum Transplant Zucchini	1 pt/a	0	0	3	1	0	0	3	1
LSD (P=.05)			0.0	0.0	3.5	1.3	0.3	0.0	2.9	0.9
Standard Deviation			0.0	0.0	2.5	0.9	0.2	0.0	2.1	0.6
CV			0.0	0.0	51.25	76.27	383.22	499.02	57.88	68.48

Means followed by same letter do not significantly differ (P=.05, LSD)

# University of Georgia

Weed Code	Harv 5	Harv 5	Harv 6	Harv 6	Harv 6	Harv 6	Harv 7	Harv 7		
Crop Code	squash	squash	squash	squash	squash	squash	squash	squash		
Rating Data Type	cull	cull	fruit	fruit	cull	cull	fruit	fruit		
Rating Unit	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb		
Rating Date	May-27-05	May-27-05	May-30-05	May-30-05	May-30-05	May-30-05	Jun-01-05	Jun-01-05		
Trt-Eval Interval	52 DA-A	52 DA-A	55 DA-A	55 DA-A	55 DA-A	55 DA-A	57 DA-A	57 DA-A		
ARM Action Codes										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
		Unit	49	50	51	52	53	54	55	56
1	No herbicide Seeded Yellow		0	0	13	4	0	0	7	1
2	No herbicide Seeded Zucchini		0	0	6	3	0	0	5	3
3	No herbicide Transplant Yellow		1	0	8	3	0	0	7	2
4	No herbicide Transplant Zucchini		0	0	5	3	0	0	4	2
5	Dual Magnum Seeded Yellow	0.5 pt/a	0	0	8	3	0	0	5	1
6	Dual Magnum Seeded Zucchini	0.5 pt/a	0	0	7	2	0	0	4	2
7	Dual Magnum Transplant Yellow	0.5 pt/a	0	0	6	2	0	0	6	1
8	Dual Magnum Transplant Zucchini	0.5 pt/a	0	0	6	3	0	0	4	2
9	Dual Magnum Seeded Yellow	1 pt/a	0	0	6	2	0	0	8	2
10	Dual Magnum Seeded Zucchini	1 pt/a	0	0	5	3	0	0	4	2
11	Dual Magnum Transplant Yellow	1 pt/a	0	0	6	1	0	0	4	1
12	Dual Magnum Transplant Zucchini	1 pt/a	0	0	3	2	0	0	2	1
13	Dual Magnum Seeded Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	0	0	7	2	0	0	5	1
14	Dual Magnum Seeded Zucchini	0.5 pt/a Dual Magnum 0.5 pt/a	0	0	8	3	0	0	3	2
15	Dual Magnum Transplant Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	0	0	6	1	0	0	4	1



## University of Georgia

Weed Code	Harv 5	Harv 5	Harv 6	Harv 6	Harv 6	Harv 6	Harv 7	Harv 7		
Crop Code	squash	squash	squash	squash	squash	squash	squash	squash		
Rating Data Type	cull	cull	fruit	fruit	cull	cull	fruit	fruit		
Rating Unit	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb		
Rating Date	May-27-05	May-27-05	May-30-05	May-30-05	May-30-05	May-30-05	Jun-01-05	Jun-01-05		
Trt-Eval Interval	52 DA-A	52 DA-A	55 DA-A	55 DA-A	55 DA-A	55 DA-A	57 DA-A	57 DA-A		
ARM Action Codes										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
		Unit								
			49	50	51	52	53	54	55	56
16	Dual Magnum Dual Magnum Transplant Zucchinni	0.5 pt/a 0.5 pt/a	0	0	5	2	0	0	2	1
17	Dual Magnum Seeded Yellow	0.5 pt/a	0	0	8	2	0	0	13	1
18	Dual Magnum Seeded Zucchinni	0.5 pt/a	0	0	6	4	0	0	4	2
19	Dual Magnum Transplant Yellow	0.5 pt/a	1	0	9	3	0	0	7	2
20	Dual Magnum Transplant Zucchinni	0.5 pt/a	0	0	7	5	0	0	5	2
21	Dual Magnum Seeded Yellow	1 pt/a	0	0	7	2	0	0	6	1
22	Dual Magnum Seeded Zucchinni	1 pt/a	0	0	6	3	0	0	3	2
23	Dual Magnum Transplant Yellow	1 pt/a	0	0	4	1	0	0	4	1
24	Dual Magnum Transplant Zucchinni	1 pt/a	0	0	6	3	0	0	2	1
LSD (P=.05)			0.5	0.1	3.1	2.2	0.1	0.1	5.5	1.4
Standard Deviation			0.3	0.1	2.2	1.5	0.1	0.1	3.9	1.0
CV			356.76	502.35	34.62	57.63	979.8	979.8	80.78	64.13

Means followed by same letter do not significantly differ (P=.05, LSD)

# University of Georgia

Weed Code		Harv 7	Harv 7	Harv 8	Harv 8	Harv 8	Harv 8	Harv 9	Harv 9
Crop Code		squash	squash	squash	squash	squash	squash	squash	squash
Rating Data Type		cull	cull	fruit	fruit	cull	cull	fruit	fruit
Rating Unit		#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb
Rating Date		Jun-01-05	Jun-01-05	Jun-03-05	Jun-03-05	Jun-03-05	Jun-03-05	Jun-06-05	Jun-06-05
Trt-Eval Interval		57 DA-A	57 DA-A	59 DA-A	59 DA-A	59 DA-A	59 DA-A	62 DA-A	62 DA-A
ARM Action Codes									
# Subsamples, Dec.									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit
1	No herbicide Seeded Yellow	0	0	5	1	0	0	3	1
2	No herbicide Seeded Zucchini	0	0	6	3	0	0	4	4
3	No herbicide Transplant Yellow	0	0	9	2	1	0	5	2
4	No herbicide Transplant Zucchini	0	0	5	3	0	0	5	4
5	Dual Magnum Seeded Yellow	0.5 pt/a	0	6	1	0	0	3	1
6	Dual Magnum Seeded Zucchini	0.5 pt/a	0	6	3	0	0	5	4
7	Dual Magnum Transplant Yellow	0.5 pt/a	0	9	1	0	0	5	2
8	Dual Magnum Transplant Zucchini	0.5 pt/a	0	4	2	1	0	6	5
9	Dual Magnum Seeded Yellow	1 pt/a	0	4	1	0	0	4	1
10	Dual Magnum Seeded Zucchini	1 pt/a	0	6	3	0	0	6	5
11	Dual Magnum Transplant Yellow	1 pt/a	0	7	1	0	0	4	1
12	Dual Magnum Transplant Zucchini	1 pt/a	0	5	2	0	0	6	5
13	Dual Magnum Seeded Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	0	7	1	0	0	2	1
14	Dual Magnum Seeded Zucchini	0.5 pt/a Dual Magnum 0.5 pt/a	0	5	2	0	0	6	5
15	Dual Magnum Transplant Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	0	6	1	0	0	4	2

## University of Georgia

Weed Code	Harv 7	Harv 7	Harv 8	Harv 8	Harv 8	Harv 8	Harv 9	Harv 9
Crop Code	squash	squash	squash	squash	squash	squash	squash	squash
Rating Data Type	cull	cull	fruit	fruit	cull	cull	fruit	fruit
Rating Unit	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb
Rating Date	Jun-01-05	Jun-01-05	Jun-03-05	Jun-03-05	Jun-03-05	Jun-03-05	Jun-06-05	Jun-06-05
Trt-Eval Interval	57 DA-A	57 DA-A	59 DA-A	59 DA-A	59 DA-A	59 DA-A	62 DA-A	62 DA-A
ARM Action Codes								
# Subsamples, Dec.								
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate
		Unit						
57			58		59		60	
61			62		63		64	
16	Dual Magnum	0.5 pt/a	0	0	4	2	0	0
	Dual Magnum	0.5 pt/a						
	Transplant							
	Zucchinni							7
17	Dual Magnum	0.5 pt/a	0	0	6	1	0	0
	Seeded							
	Yellow							5
18	Dual Magnum	0.5 pt/a	0	0	6	4	0	0
	Seeded							
	Zucchinni							5
19	Dual Magnum	0.5 pt/a	0	0	7	1	0	0
	Transplant							
	Yellow							5
20	Dual Magnum	0.5 pt/a	0	0	5	2	0	0
	Transplant							
	Zucchinni							5
21	Dual Magnum	1 pt/a	0	0	7	1	0	0
	Seeded							
	Yellow							5
22	Dual Magnum	1 pt/a	0	0	4	2	0	0
	Seeded							
	Zucchinni							5
23	Dual Magnum	1 pt/a	0	0	5	1	1	0
	Transplant							
	Yellow							6
24	Dual Magnum	1 pt/a	0	0	4	2	0	0
	Transplant							
	Zucchinni							5
	LSD (P=.05)		0.3	0.0	3.7	1.2	0.5	0.1
	Standard Deviation		0.2	0.0	2.6	0.8	0.4	0.1
	CV		440.71	538.27	46.4	47.99	379.17	449.07
								37.2
								46.74

Means followed by same letter do not significantly differ (P=.05, LSD)

# University of Georgia

Weed Code	Harv 9	Harv 9	Harv 10	Harv 10	Harv 10	Harv 10	Harv 11	Harv 11		
Crop Code	squash	squash	squash	squash	squash	squash	squash	squash		
Rating Data Type	cull	cull	fruit	fruit	cull	cull	fruit	fruit		
Rating Unit	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb		
Rating Date	Jun-06-05	Jun-06-05	Jun-08-05	Jun-08-05	Jun-08-05	Jun-08-05	Jun-10-05	Jun-10-05		
Trt-Eval Interval	62 DA-A	62 DA-A	64 DA-A	64 DA-A	64 DA-A	64 DA-A	66 DA-A	66 DA-A		
ARM Action Codes										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit		
		65	66	67	68	69	70	71	72	
1	No herbicide Seeded Yellow	1	0	5	2	0	0	7	2	
2	No herbicide Seeded Zucchini	0	0	2	2	0	0	2	1	
3	No herbicide Transplant Yellow	0	0	3	1	0	0	7	2	
4	No herbicide Transplant Zucchini	0	0	2	2	0	0	2	1	
5	Dual Magnum Seeded Yellow	0.5 pt/a	0	0	3	1	0	0	7	1
6	Dual Magnum Seeded Zucchini	0.5 pt/a	0	0	4	3	0	0	2	1
7	Dual Magnum Transplant Yellow	0.5 pt/a	0	0	4	1	0	0	4	1
8	Dual Magnum Transplant Zucchini	0.5 pt/a	0	0	2	1	0	0	2	1
9	Dual Magnum Seeded Yellow	1 pt/a	0	0	5	2	0	0	7	2
10	Dual Magnum Seeded Zucchini	1 pt/a	0	0	3	2	0	0	2	1
11	Dual Magnum Transplant Yellow	1 pt/a	0	0	3	1	0	0	6	1
12	Dual Magnum Transplant Zucchini	1 pt/a	1	0	2	1	0	0	1	1
13	Dual Magnum Seeded Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	0	0	4	1	0	0	5	1
14	Dual Magnum Seeded Zucchini	0.5 pt/a Dual Magnum 0.5 pt/a	0	0	3	2	0	0	2	1
15	Dual Magnum Transplant Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	0	0	4	2	0	0	6	1

# University of Georgia

Weed Code	Harv 9	Harv 9	Harv 10	Harv 10	Harv 10	Harv 10	Harv 11	Harv 11		
Crop Code	squash	squash	squash	squash	squash	squash	squash	squash		
Rating Data Type	cull	cull	fruit	fruit	cull	cull	fruit	fruit		
Rating Unit	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb		
Rating Date	Jun-06-05	Jun-06-05	Jun-08-05	Jun-08-05	Jun-08-05	Jun-08-05	Jun-10-05	Jun-10-05		
Trt-Eval Interval	62 DA-A	62 DA-A	64 DA-A	64 DA-A	64 DA-A	64 DA-A	66 DA-A	66 DA-A		
ARM Action Codes										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
		Unit	Unit	Unit	Unit	Unit	Unit	Unit		
		65	66	67	68	69	70	71		
16	Dual Magnum Dual Magnum Transplant Zucchinni	0.5 pt/a 0.5 pt/a	0	0	2	1	0	0	1	0
17	Dual Magnum Seeded Yellow	0.5 pt/a	0	0	3	1	0	0	3	1
18	Dual Magnum Seeded Zucchinni	0.5 pt/a	0	0	3	3	0	0	3	1
19	Dual Magnum Transplant Yellow	0.5 pt/a	0	0	3	1	0	0	4	1
20	Dual Magnum Transplant Zucchinni	0.5 pt/a	0	0	3	2	0	0	2	1
21	Dual Magnum Seeded Yellow	1 pt/a	0	0	3	1	0	0	3	0
22	Dual Magnum Seeded Zucchinni	1 pt/a	0	0	3	3	0	0	2	1
23	Dual Magnum Transplant Yellow	1 pt/a	0	0	4	1	0	0	4	1
24	Dual Magnum Transplant Zucchinni	1 pt/a	0	0	2	1	0	0	2	1
LSD (P=.05)		0.5	0.3	3.1	2.1	0.3	0.1	3.0	1.1	
Standard Deviation		0.4	0.2	2.2	1.5	0.2	0.1	2.1	0.8	
CV		423.24	428.53	69.97	88.12	430.49	539.43	61.02	79.23	

Means followed by same letter do not significantly differ (P=.05, LSD)

# University of Georgia

Weed Code	Harv 11	Harv 11	Harv 12	Harv 12	Harv 12	Harv 12	Harv 1-3	Harv 1-3		
Crop Code	squash	squash	squash	squash	squash	squash	squash	squash		
Rating Data Type	cull	cull	fruit	fruit	cull	cull	fruit	fruit		
Rating Unit	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb		
Rating Date	Jun-10-05	Jun-10-05	Jun-13-05	Jun-13-05	Jun-13-05	Jun-13-05	Jun-13-05	Jun-13-05		
Trt-Eval Interval	66 DA-A	66 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A		
ARM Action Codes							T4	T6		
# Subsamples, Dec.								1		
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
		Unit								
			73	74	75	76	77	78	79	80
1	No herbicide Seeded Yellow		0	0	6	2	0	0	3	0.2
2	No herbicide Seeded Zucchini		0	0	5	4	0	0	6	2.0
3	No herbicide Transplant Yellow		0	0	8	3	0	0	23	3.0
4	No herbicide Transplant Zucchini		0	0	4	2	0	0	3	1.0
5	Dual Magnum Seeded Yellow	0.5 pt/a	1	0	10	3	0	0	2	0.4
6	Dual Magnum Seeded Zucchini	0.5 pt/a	0	0	4	3	0	0	4	0.5
7	Dual Magnum Transplant Yellow	0.5 pt/a	0	0	8	2	0	0	13	1.4
8	Dual Magnum Transplant Zucchini	0.5 pt/a	0	0	2	2	0	0	2	0.3
9	Dual Magnum Seeded Yellow	1 pt/a	0	0	7	2	0	0	2	0.2
10	Dual Magnum Seeded Zucchini	1 pt/a	0	0	4	2	0	0	1	0.1
11	Dual Magnum Transplant Yellow	1 pt/a	0	0	8	2	0	0	8	0.5
12	Dual Magnum Transplant Zucchini	1 pt/a	0	0	2	2	0	0	0	0.0
13	Dual Magnum Seeded Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	0	0	10	3	0	0	1	0.1
14	Dual Magnum Seeded Zucchini	0.5 pt/a Dual Magnum 0.5 pt/a	0	0	4	4	0	0	3	0.6
15	Dual Magnum Transplant Yellow	0.5 pt/a Dual Magnum 0.5 pt/a	0	0	6	2	0	0	8	0.7

## University of Georgia

Weed Code	Harv 11	Harv 11	Harv 12	Harv 12	Harv 12	Harv 12	Harv 1-3	Harv 1-3		
Crop Code	squash	squash	squash	squash	squash	squash	squash	squash		
Rating Data Type	cull	cull	fruit	fruit	cull	cull	fruit	fruit		
Rating Unit	#	wt/lb	#	wt/lb	#	wt/lb	#	wt/lb		
Rating Date	Jun-10-05	Jun-10-05	Jun-13-05	Jun-13-05	Jun-13-05	Jun-13-05	Jun-13-05	Jun-13-05		
Trt-Eval Interval	66 DA-A	66 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A		
ARM Action Codes							T4	T6		
# Subsamples, Dec.								1		
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
		Unit								
			73	74	75	76	77	78	79	80
16	Dual Magnum Dual Magnum Transplant Zucchinni	0.5 pt/a 0.5 pt/a	0	0	4	3	0	0	1	0.1
17	Dual Magnum Seeded Yellow	0.5 pt/a	0	0	6	2	0	0	5	0.5
18	Dual Magnum Seeded Zucchinni	0.5 pt/a	0	0	4	2	0	0	5	1.2
19	Dual Magnum Transplant Yellow	0.5 pt/a	0	0	7	2	0	0	16	2.0
20	Dual Magnum Transplant Zucchinni	0.5 pt/a	0	0	4	3	0	0	4	1.3
21	Dual Magnum Seeded Yellow	1 pt/a	0	0	6	1	0	0	6	0.6
22	Dual Magnum Seeded Zucchinni	1 pt/a	0	0	4	3	0	0	5	1.2
23	Dual Magnum Transplant Yellow	1 pt/a	0	0	3	1	0	0	15	1.9
24	Dual Magnum Transplant Zucchinni	1 pt/a	0	0	4	3	0	0	5	1.2
LSD (P=.05)			0.2	0.0	4.5	2.0	0.0	0.0	5.3	0.97
Standard Deviation			0.1	0.0	3.2	1.4	0.0	0.0	3.8	0.69
CV			565.69	583.62	60.48	62.11	0.0	0.0	66.52	79.39

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 79: T4 = [33]+[35]+[39]

Column 80: T6 = [34]+[36]+[40]

# University of Georgia

Weed Code		All Harv	All Harv
Crop Code		squash	squash
Rating Data Type		fruit	fruit
Rating Unit		#	wt/lb
Rating Date		Jun-13-05	Jun-13-05
Trt-Eval Interval		69 DA-A	69 DA-A
ARM Action Codes		T5	T7
# Subsamples, Dec.			1
Trt No.	Treatment Name	Rate	Unit
		81	82
1	No herbicide Seeded Yellow	60	16.1
2	No herbicide Seeded Zucchini	47	27.2
3	No herbicide Transplant Yellow	81	18.8
4	No herbicide Transplant Zucchini	38	22.2
5	Dual Magnum Seeded Yellow	0.5 pt/a	51 13.5
6	Dual Magnum Seeded Zucchini	0.5 pt/a	44 23.2
7	Dual Magnum Transplant Yellow	0.5 pt/a	62 13.5
8	Dual Magnum Transplant Zucchini	0.5 pt/a	33 17.7
9	Dual Magnum Seeded Yellow	1 pt/a	52 13.3
10	Dual Magnum Seeded Zucchini	1 pt/a	34 19.6
11	Dual Magnum Transplant Yellow	1 pt/a	52 9.6
12	Dual Magnum Transplant Zucchini	1 pt/a	24 14.3
13	Dual Magnum Seeded Yellow	0.5 pt/a 0.5 pt/a	49 11.2
14	Dual Magnum Seeded Zucchini	0.5 pt/a 0.5 pt/a	41 23.1
15	Dual Magnum Transplant Yellow	0.5 pt/a 0.5 pt/a	53 11.0



# University of Georgia

Weed Code	All Harv	All Harv		
Crop Code	squash	squash		
Rating Data Type	fruit	fruit		
Rating Unit	#	wt/lb		
Rating Date	Jun-13-05	Jun-13-05		
Trt-Eval Interval	69 DA-A	69 DA-A		
ARM Action Codes	T5	T7		
# Subsamples, Dec.		1		
Trt No.	Treatment Name	Rate	Unit	
16	Dual Magnum	0.5	pt/a	27
	Dual Magnum	0.5	pt/a	15.7
	Transplant			
	Zucchinni			
17	Dual Magnum	0.5	pt/a	62
	Seeded			13.2
	Yellow			
18	Dual Magnum	0.5	pt/a	44
	Seeded			26.1
	Zucchinni			
19	Dual Magnum	0.5	pt/a	67
	Transplant			15.2
	Yellow			
20	Dual Magnum	0.5	pt/a	41
	Transplant			23.9
	Zucchinni			
21	Dual Magnum	1	pt/a	52
	Seeded			12.1
	Yellow			
22	Dual Magnum	1	pt/a	38
	Seeded			22.2
	Zucchinni			
23	Dual Magnum	1	pt/a	54
	Transplant			10.6
	Yellow			
24	Dual Magnum	1	pt/a	34
	Transplant			19.2
	Zucchinni			
LSD (P=.05)		17.3		6.39
Standard Deviation		12.2		4.52
CV		25.76		26.29

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 81: T5 = [79]+[43]+ [47]+ [51]+[55]+[59]+[63]+[67]+[71]+[75]

Column 82: T7 = [80]+ [44]+[48]+[52]+[56]+[60]+[64]+[68]+[72]+[76]

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# University of Georgia

## Seeded and transplant yellow and zucchini squash tolerance to Dual Magnum PRE and POST.

Trial ID: V24-04(squ)

Study Dir.: Stanley Culpepper

Location: Ponder

Investigator: Stanley Culpepper

### GENERAL TRIAL INFORMATION

Study Director: Stanley Culpepper

Title: Ext. Weed Science

Affiliation: Univ. of Georgia

Postal Code: 31794

Investigator: Stanley Culpepper

Title: Ext. Weed Science

Affiliation: Univ. of Georgia

Postal Code: 31794

### TRIAL LOCATION

City: TyTy

Trial Status: completed

State/Prov.: GA

Trial Reliability: good

Postal Code: 31794

Initiation Date: Apr-05-05

Country: USA

Planned Completion Date: \_\_\_\_\_

E-Longitude of LL Corner °: \_\_\_\_\_ N-Latitude of LL Corner °: \_\_\_\_\_

Altitude of LL Corner: \_\_\_\_\_ Unit: \_\_\_\_\_ Angle y-axis to North °: \_\_\_\_\_

Directions: \_\_\_\_\_

### COOPERATOR/LANDOWNER

Cooperator: \_\_\_\_\_

Country: \_\_\_\_\_

Org: \_\_\_\_\_

Phone No: \_\_\_\_\_

Address 1: \_\_\_\_\_

Fax No: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_

State/Prov: \_\_\_\_\_

Postal Code: \_\_\_\_\_

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

Guidelines: \_\_\_\_\_ Guideline Description: \_\_\_\_\_

Objective: \_\_\_\_\_

Conclusions: \_\_\_\_\_

### CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.		weed free	

Crop 1: yello yellow seeded squash

Variety: Enterprise

Planting Date: Apr-05-05

Planting Method: transplant/seed

Rate: 1 per foot

Depth: 0.5 in

Perennial Age: \_\_\_\_\_

Row Spacing: 36 inch Spacing Within Row: 12 inch Seed Bed: flat

Soil Temperature: 61 F Soil Moisture: drip

Emergence Date: Mar-30-04

Crop 2: zucc zucchini seeded squash

Variety: Spineless Beauty

Planting Date: Apr-05-05

Planting Method: transplant/seed

Rate: 1 per foot

Depth: 0.5 in

Perennial Age: \_\_\_\_\_

Row Spacing: 36 inch Spacing Within Row: 12 inch Seed Bed: flat

Soil Temperature: 61 F Soil Moisture: drip

Emergence Date: Mar-30-04

Crop 3: yello yellow transplant squash

Variety: Enterprise

Planting Date: Apr-05-05

Planting Method: transplant/seed

Rate: 1 per foot

Depth: 0.5 in

Perennial Age: \_\_\_\_\_

Row Spacing: 36 inch Spacing Within Row: 12 inch Seed Bed: flat

Soil Temperature: 61 F Soil Moisture: drip

Emergence Date: \_\_\_\_\_

# University of Georgia

**Crop 4:** zucc zucchini transplant squash      **Variety:** Spineless Beauty  
**Planting Date:** Apr-05-05      **Planting Method:** transplant/seed  
**Rate:** 1 per foot      **Depth:** 0.5 in      **Perennial Age:** \_\_\_\_  
**Row Spacing:** 36 inch      **Spacing Within Row:** 12 inch      **Seed Bed:** flat  
**Soil Temperature:** 61 F      **Soil Moisture:** drip      **Emergence Date:** \_\_\_\_\_

### SITE AND DESIGN

**Plot Width, Unit:** 6 FT      **Plot Length, Unit:** 22 FT      **Reps:** 4  
**Site Type:** research station  
**Tillage Type:** conventional      **Study Design:** SPLIT-PLOT

**Trial Initiation Comments:**

	Previous Crops	Previous Pesticides	Year
1.			

### MAINTENANCE

**Field Prep./Maintenance:**

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

### SOIL DESCRIPTION

**% Sand:** 94      **% OM:** 1.1      **Texture:** sand  
**% Silt:** 2      **pH:** 6.2      **Soil Name:** Tifton sandy loam  
**% Clay:** 4      **CEC:** \_\_\_\_\_      **Fert. Level:** \_\_\_\_\_

### ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

### MOISTURE CONDITIONS

Date	Time	Amount	Unit	Type	Interval	Unit
1.						

**Overall Moisture Conditions:** \_\_\_\_\_

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

### APPLICATION DESCRIPTION

	A	B
<b>Application Date:</b>	Apr-05-05	May-01-05
<b>Time of Day:</b>	11 am	9 am
<b>Application Method:</b>	broadcast	broadcast
<b>Application Timing:</b>	PRE, PRET	POST
<b>Applic. Placement:</b>	overtop	overtop
<b>Air Temp., Unit:</b>	78 F	70 F
<b>% Relative Humidity:</b>	74	44
<b>Wind Velocity, Unit:</b>	0 mph	0 mph
<b>Dew Presence (Y/N):</b>	n	n
<b>Water Hardness:</b>		
<b>Soil Temp., Unit:</b>	74 F	79 F
<b>Soil Moisture:</b>	moist	wet
<b>% Cloud Cover:</b>	0	0

# University of Georgia

### CROP STAGE AT EACH APPLICATION

	A	B
<b>Crop 1 Code, Stage:</b>	yello PRE/PRET	yello POST
<b>Stage Scale:</b>	none up	see comme
<b>Height, Unit:</b>	0 inch	
<b>Crop 2 Code, Stage:</b>	zucc PRE/PRET	zucc POST
<b>Stage Scale:</b>	none up	see comme
<b>Height, Unit:</b>	0 inch	
<b>Crop 3 Code, Stage:</b>	yello PRE/PRET	yello POST
<b>Stage Scale:</b>	none up	see comme
<b>Height, Unit:</b>	0 inch	
<b>Crop 4 Code, Stage:</b>	zucc PRE/PRET	zucc POST
<b>Stage Scale:</b>	none up	see comme
<b>Height, Unit:</b>	0 inch	

### WEED STAGE AT EACH APPLICATION

	A	B
<b>Weed 1 Code, Stage:</b>		
<b>Stage Scale:</b>		
<b>Density, Unit:</b>		

### APPLICATION EQUIPMENT

	A	B
<b>Appl. Equipment:</b>	backpack	backpack
<b>Operating Pressure:</b>	23	23
<b>Nozzle Type:</b>	flat fan	flat fan
<b>Nozzle Size:</b>	11002	11002
<b>Nozzle Spacing, Unit:</b>	18 inch	18 inch
<b>Nozzles/Row:</b>	2	2
<b>Band Width, Unit:</b>		
<b>Boom Length, Unit:</b>	4.5 feet	4.5 feet
<b>Boom Height, Unit:</b>	15 inch	15 inch
<b>Ground Speed, Unit:</b>	3 mph	3 mph
<b>Incorporation Equip.:</b>		
<b>Hours to Incorp.:</b>		
<b>Incorp. Depth, Unit:</b>		
<b>Carrier:</b>	water	water
<b>Spray Volume, Unit:</b>	14.8 GPA	14.8 GPA
<b>Spray pH:</b>		
<b>Propellant:</b>	CO2	CO2
<b>Tank Mix (Y/N):</b>	Y	Y

Trt No	Treatment Application Comment