

# University of Georgia

## Nutsedge and watermelon response to combinations of Vapam and herbicides over mulch.

Trial ID: Veg21-05(melons)

Study Dir.: Ken and Kevin

Location: Crisp/Wilcox

Investigator: Stanley Culpepper

Reps: 3

Plots: 6 by 25 feet

Spray vol: 14.8 gal/ac

Mix size: 1 liters (min .57876)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Plot No. By Rep		
								1	2	3
1	Vapam 25 G Sanda Sonalan	75 3	DF EC	0.75 2.5	oz/a pt/a	Preplant A OT plast B OT plast B	0.3795 g/mx 21.11 ml/mx	101	207	317
2	Vapam 25 G Dual Magnum Sonalan	7.64 3	L EC	1 2.5	pt/a pt/a	Preplant A OT plast B OT plast B	8.445 ml/mx 21.11 ml/mx	102	203	319
3	Vapam 25 G Reflex Sonalan	2 3	L EC	1 2.5	pt/a pt/a	Preplant A OT plast B OT plast B	8.445 ml/mx 21.11 ml/mx	103	202	314
4	Vapam 25 G Reflex Sonalan	2 3	L EC	1.5 2.5	pt/a pt/a	Preplant A OT plast B OT plast B	12.67 ml/mx 21.11 ml/mx	104	209	320
5	Vapam 25 G Sinbar Sonalan	97 3	DF EC	2.5 2.5	oz/a pt/a	Preplant A OT plast B OT plast B	1.265 g/mx 21.11 ml/mx	105	205	315
6	Vapam 25 G Sinbar Sonalan	97 3	DF EC	5 2.5	oz/a pt/a	Preplant A OT plast B OT plast B	2.53 g/mx 21.11 ml/mx	106	206	311
7	Vapam 25 G Goal Sonalan	4 3	F EC	1 2.5	pt/a pt/a	Preplant A OT plast B OT plast B	8.445 ml/mx 21.11 ml/mx	107	208	313
8	Vapam 25 G Sulfentrazone Sonalan	4 3	L EC	0.25 2.5	lb ai/a pt/a	Preplant A OT plast B OT plast B	4.223 ml/mx 21.11 ml/mx	108	210	312
9	Vapam 25 G V-rowmid Sonalan	51 3	WDG EC	3 2.5	oz/a pt/a	Preplant A OT plast B OT plast B	1.518 g/mx 21.11 ml/mx	109	201	318
10	Vapam 25 G Sonalan	3	EC	2.5	pt/a	Preplant A OT plast B	21.11 ml/mx	110	204	316
11	Vapam 50 G Sanda Sonalan	75 3	DF EC	0.75 2.5	oz/a pt/a	Preplant A OT plast B OT plast B	0.3795 g/mx 21.11 ml/mx	111	225	303
12	Vapam 50 G Dual Magnum Sonalan	7.64 3	L EC	1 2.5	pt/a pt/a	Preplant A OT plast B OT plast B	8.445 ml/mx 21.11 ml/mx	112	228	307
13	Vapam 50 G Reflex Sonalan	2 3	L EC	1 2.5	pt/a pt/a	Preplant A OT plast B OT plast B	8.445 ml/mx 21.11 ml/mx	113	224	309
14	Vapam 50 G Reflex Sonalan	2 3	L EC	1.5 2.5	pt/a pt/a	Preplant A OT plast B OT plast B	12.67 ml/mx 21.11 ml/mx	114	223	310
15	Vapam 50 G Sinbar Sonalan	97 3	DF EC	2.5 2.5	oz/a pt/a	Preplant A OT plast B OT plast B	1.265 g/mx 21.11 ml/mx	115	227	304
16	Vapam 50 G Sinbar Sonalan	97 3	DF EC	5 2.5	oz/a pt/a	Preplant A OT plast B OT plast B	2.53 g/mx 21.11 ml/mx	116	222	305
17	Vapam 50 G Goal Sonalan	4 3	F EC	1 2.5	pt/a pt/a	Preplant A OT plast B OT plast B	8.445 ml/mx 21.11 ml/mx	117	221	308

# University of Georgia

Reps: 3

Plots: 6 by 25 feet

Spray vol: 14.8 gal/ac

Mix size: 1 liters (min .57876)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Amt to Measure	Product	Plot No. By Rep		
										1	2	3
18	Vapam 50 G Sulfentrazone Sonalan	4 L 3 EC		0.25 lb ai/a 2.5 pt/a		Preplant A OT plast B OT plast B			4.223 ml/mx 21.11 ml/mx	118	230	301
19	Vapam 50 G V-rowmid Sonalan	51 WDG 3 EC		3 oz/a 2.5 pt/a		Preplant A OT plast B OT plast B			1.518 g/mx 21.11 ml/mx	119	226	306
20	Vapam 50 G Sonalan	3 EC		2.5 pt/a		Preplant A OT plast B			21.11 ml/mx	120	229	302
21	Vapam 75 G Sandea Sonalan	75 DF 3 EC		0.75 oz/a 2.5 pt/a		Preplant A OT plast B OT plast B			0.3795 g/mx 21.11 ml/mx	121	211	322
22	Vapam 75 G Dual Magnum Sonalan	7.64 L 3 EC		1 pt/a 2.5 pt/a		Preplant A OT plast B OT plast B			8.445 ml/mx 21.11 ml/mx	122	217	326
23	Vapam 75 G Reflex Sonalan	2 L 3 EC		1 pt/a 2.5 pt/a		Preplant A OT plast B OT plast B			8.445 ml/mx 21.11 ml/mx	123	212	323
24	Vapam 75 G Reflex Sonalan	2 L 3 EC		1.5 pt/a 2.5 pt/a		Preplant A OT plast B OT plast B			12.67 ml/mx 21.11 ml/mx	124	214	330
25	Vapam 75 G Sinbar Sonalan	97 DF 3 EC		2.5 oz/a 2.5 pt/a		Preplant A OT plast B OT plast B			1.265 g/mx 21.11 ml/mx	125	220	324
26	Vapam 75 G Sinbar Sonalan	97 DF 3 EC		5 oz/a 2.5 pt/a		Preplant A OT plast B OT plast B			2.53 g/mx 21.11 ml/mx	126	216	329
27	Vapam 75 G Goal Sonalan	4 F 3 EC		1 pt/a 2.5 pt/a		Preplant A OT plast B OT plast B			8.445 ml/mx 21.11 ml/mx	127	219	321
28	Vapam 75 G Sulfentrazone Sonalan	4 L 3 EC		0.25 lb ai/a 2.5 pt/a		Preplant A OT plast B OT plast B			4.223 ml/mx 21.11 ml/mx	128	213	328
29	Vapam 75 G V-rowmid Sonalan	51 WDG 3 EC		3 oz/a 2.5 pt/a		Preplant A OT plast B OT plast B			1.518 g/mx 21.11 ml/mx	129	218	325
30	Vapam 75 G Sonalan	3 EC		2.5 pt/a		Preplant A OT plast B			21.11 ml/mx	130	215	327

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Lot Code
1.423	g	Sandea 75 DF	
791.724	ml	Sonalan 3 EC	
31.669	ml	Dual Magnum 7.64 L	
79.172	ml	Reflex 2 L	
14.232	g	Sinbar 97 DF	
31.669	ml	Goal 4 F	
15.834	ml	Sulfentrazone 4 L	
5.693	g	V-rowmid 51 WDG	

# University of Georgia

Reps: 3                      Plots: 6 by 25 feet  
 Spray vol: 14.8 gal/ac      Mix size: 1 liters (min .57876)

Trt No.	Tr> N>	Form Conc	Form Type	Plot No. By Rep
---------	--------	-----------	-----------	-----------------

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

Amount*	Unit	Treatment Name	Lot Code
---------	------	----------------	----------

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

### Trial Comments

OBJECTIVE: Evaluate crop response to various Vapam/herbicide mixtures.

**VISUAL CROP RESPONSE:**

1. Injury was minor for the most part. The only herbicide that caused greater than 10% stunting when in combination with all three rates of Vapam was Sandea.

**YIELD RESPONSE:**

1. No statistical differences were noted among treatments.

**Yellow nutsedge response:**

1. Since Sonalan provides no nutsedge control, one can deduce that Vapam at 25 G provided 65 to 70% control. Control was slightly improved with higher Vapam rates.
2. Late in the season, mixing Sandea, Reflex, Goal or Sulfentrazone with Sonalan following 25 G of Vapam improved control compared to Sonalan alone following 25 G of Vapam.
3. When Vapam was applied at 50 or 75 G per acre, Sandea was the only herbicide that tended to improve control.

**Spiny amaranth response:**

1. Early season control was excellent with all programs.
2. Late-season control by most systems was excellent. Sulfentrazone seemed to be the least consistent tank mix partner with Sonalan in this trial.

**GENERAL COMMENTS:**

1. Vapam was applied on April 19. Soil was incorporated and mulch laid on May 4. Herbicides were applied May 6. Over one inch of irrigation was applied prior to transplanting on May 10.

# University of Georgia

## Nutsedge and watermelon response to combinations of Vapam and herbicides over mulch.

Trial ID: Veg21-05(melons)

Study Dir.: Ken and Kevin

Location: Crisp/Wilcox

Investigator: Stanley Culpepper

Weed Code	CITLA injury percent	CITLA injury percent	CYPES control percent	CYPES control percent	AMASP control percent	AMASP control percent	CITLA cull #	CITLA fruit 10<			
Crop Code	May-26-05	Jun-10-05	Jun-10-05	Jul-15-05	Jun-10-05	Jul-15-05	Jul-14-05	Jul-14-05			
Rating Data Type	37 DA-A	52 DA-A	52 DA-A	87 DA-A	52 DA-A	87 DA-A	86 DA-A	86 DA-A			
Rating Unit											
Rating Date											
Trt-Eval Interval											
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	1	2	3	4	5	6	7	8
1	Vapam 25 G Sanda Sonalan	0.75 2.5	oz/a pt/a	11	2	90	95	99	93	1	8
2	Vapam 25 G Dual Magnum Sonalan	1 2.5	pt/a pt/a	0	1	68	75	99	93	3	8
3	Vapam 25 G Reflex Sonalan	1 2.5	pt/a pt/a	0	0	92	90	93	95	1	5
4	Vapam 25 G Reflex Sonalan	1.5 2.5	pt/a pt/a	2	0	90	93	98	96	1	8
5	Vapam 25 G Sinbar Sonalan	2.5 2.5	oz/a pt/a	5	1	70	76	94	91	2	6
6	Vapam 25 G Sinbar Sonalan	5 2.5	oz/a pt/a	10	7	58	80	99	95	0	5
7	Vapam 25 G Goal Sonalan	1 2.5	pt/a pt/a	2	3	70	86	99	99	3	7
8	Vapam 25 G Sulfentrazone Sonalan	0.25 2.5	lb ai/a pt/a	3	1	81	82	94	82	0	9
9	Vapam 25 G V-rowmid Sonalan	3 2.5	oz/a pt/a	2	1	70	81	98	94	1	7
10	Vapam 25 G Sonalan	2.5	pt/a	2	3	65	70	94	67	2	8
11	Vapam 50 G Sanda Sonalan	0.75 2.5	oz/a pt/a	12	9	77	91	97	95	1	8
12	Vapam 50 G Dual Magnum Sonalan	1 2.5	pt/a pt/a	3	0	57	66	93	93	0	7
13	Vapam 50 G Reflex Sonalan	1 2.5	pt/a pt/a	4	2	80	80	99	90	1	8
14	Vapam 50 G Reflex Sonalan	1.5 2.5	pt/a pt/a	2	1	80	91	99	97	1	8
15	Vapam 50 G Sinbar Sonalan	2.5 2.5	oz/a pt/a	3	2	72	81	99	91	1	6

## University of Georgia

Weed Code	CITLA	CITLA	CYPES	CYPES	AMASP	AMASP	CITLA	CITLA	
Crop Code	injury	injury	control	control	control	control	cull	fruit	
Rating Data Type	percent	percent	percent	percent	percent	percent	#	10<	
Rating Unit	May-26-05	Jun-10-05	Jun-10-05	Jul-15-05	Jun-10-05	Jul-15-05	Jul-14-05	Jul-14-05	
Rating Date	37 DA-A	52 DA-A	52 DA-A	87 DA-A	52 DA-A	87 DA-A	86 DA-A	86 DA-A	
Trt-Eval Interval									
ARM Action Codes									
# Subsamples, Dec.									
Trt Treatment	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
No. Name	Rate Unit	1	2	3	4	5	6	7	8
16 Vapam 50 G		8	3	67	84	94	96	0	5
Sinbar	5 oz/a								
Sonalan	2.5 pt/a								
17 Vapam 50 G		7	6	62	75	99	93	1	8
Goal	1 pt/a								
Sonalan	2.5 pt/a								
18 Vapam 50 G		7	2	79	82	99	90	1	8
Sulfentrazone	0.25 lb ai/a								
Sonalan	2.5 pt/a								
19 Vapam 50 G		5	8	85	85	99	84	0	8
V-rowmid	3 oz/a								
Sonalan	2.5 pt/a								
20 Vapam 50 G		7	3	68	80	99	79	1	6
Sonalan	2.5 pt/a								
21 Vapam 75 G		13	15	84	93	88	90	1	8
Sandea	0.75 oz/a								
Sonalan	2.5 pt/a								
22 Vapam 75 G		13	13	83	83	96	92	2	6
Dual Magnum	1 pt/a								
Sonalan	2.5 pt/a								
23 Vapam 75 G		2	0	78	75	99	100	1	8
Reflex	1 pt/a								
Sonalan	2.5 pt/a								
24 Vapam 75 G		7	2	85	88	84	97	1	6
Reflex	1.5 pt/a								
Sonalan	2.5 pt/a								
25 Vapam 75 G		3	1	67	79	91	85	1	5
Sinbar	2.5 oz/a								
Sonalan	2.5 pt/a								
26 Vapam 75 G		3	0	67	86	98	99	0	7
Sinbar	5 oz/a								
Sonalan	2.5 pt/a								
27 Vapam 75 G		8	8	77	84	99	96	1	7
Goal	1 pt/a								
Sonalan	2.5 pt/a								
28 Vapam 75 G		5	0	78	85	90	80	0	6
Sulfentrazone	0.25 lb ai/a								
Sonalan	2.5 pt/a								
29 Vapam 75 G		7	1	62	77	94	92	0	8
V-rowmid	3 oz/a								
Sonalan	2.5 pt/a								
30 Vapam 75 G		0	0	70	77	91	82	1	8
Sonalan	2.5 pt/a								
LSD (P=.05)		6.4	7.8	10.1	11.2	10.1	11.0	1.7	3.0
Standard Deviation		3.9	4.8	6.2	6.9	6.2	6.7	1.1	1.8
CV		75.38	156.58	8.29	8.32	6.43	7.42	106.92	25.61

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

# University of Georgia

Weed Code	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA			
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit			
Rating Data Type	10<	10<	10<	10<	10<	10<	10<	10<	10<			
Rating Unit	10<	10<	10<	10<	10<	10<	10<	10<	10<			
Rating Date	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05			
Trt-Eval Interval	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A			
ARM Action Codes												
# Subsamples, Dec.												
Trt No.	Treatment Name	Rate	Rate Unit	9	10	11	12	13	14	15	16	17
1	Vapam 25 G Sandea Sonalan	0.75 2.5	oz/a pt/a	6	6	8	7	6	8	6	5	4
2	Vapam 25 G Dual Magnum Sonalan	1 2.5	pt/a pt/a	8	8	5	5	6	3	0	0	0
3	Vapam 25 G Reflex Sonalan	1 2.5	pt/a pt/a	8	5	4	3	3	3	3	2	3
4	Vapam 25 G Reflex Sonalan	1.5 2.5	pt/a pt/a	8	6	9	7	7	3	1	3	3
5	Vapam 25 G Sinbar Sonalan	2.5 2.5	oz/a pt/a	8	6	7	7	4	4	3	3	3
6	Vapam 25 G Sinbar Sonalan	5 2.5	oz/a pt/a	7	7	6	7	8	7	5	6	3
7	Vapam 25 G Goal Sonalan	1 2.5	pt/a pt/a	7	7	8	2	2	3	0	0	0
8	Vapam 25 G Sulfentrazone Sonalan	0.25 2.5	lb ai/a pt/a	7	7	5	5	5	3	2	0	0
9	Vapam 25 G V-rowmid Sonalan	3 2.5	oz/a pt/a	8	8	8	9	6	4	4	3	2
10	Vapam 25 G Sonalan	2.5	pt/a	8	8	8	8	8	5	2	1	3
11	Vapam 50 G Sandea Sonalan	0.75 2.5	oz/a pt/a	6	7	6	7	7	7	4	6	6
12	Vapam 50 G Dual Magnum Sonalan	1 2.5	pt/a pt/a	5	7	8	6	8	9	8	8	2
13	Vapam 50 G Reflex Sonalan	1 2.5	pt/a pt/a	4	4	7	9	7	5	7	7	3
14	Vapam 50 G Reflex Sonalan	1.5 2.5	pt/a pt/a	7	7	7	6	6	7	6	6	8
15	Vapam 50 G Sinbar Sonalan	2.5 2.5	oz/a pt/a	6	6	8	8	6	6	3	2	2
16	Vapam 50 G Sinbar Sonalan	5 2.5	oz/a pt/a	7	7	7	6	9	9	7	7	7

# University of Georgia

Weed Code	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA			
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit			
Rating Data Type	10<	10<	10<	10<	10<	10<	10<	10<	10<			
Rating Unit	10<	10<	10<	10<	10<	10<	10<	10<	10<			
Rating Date	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05			
Trt-Eval Interval	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A			
ARM Action Codes												
# Subsamples, Dec.												
Trt No.	Treatment Name	Rate	Rate Unit	9	10	11	12	13	14	15	16	17
17	Vapam 50 G			8	8	9	6	4	4	5	4	3
	Goal	1	pt/a									
	Sonalan	2.5	pt/a									
18	Vapam 50 G			7	7	5	8	4	3	2	2	2
	Sulfentrazone	0.25	lb ai/a									
	Sonalan	2.5	pt/a									
19	Vapam 50 G			8	5	6	4	4	3	3	0	0
	V-rowmid	3	oz/a									
	Sonalan	2.5	pt/a									
20	Vapam 50 G			8	6	7	3	4	6	5	2	3
	Sonalan	2.5	pt/a									
21	Vapam 75 G			7	7	8	5	5	5	4	5	5
	Sandea	0.75	oz/a									
	Sonalan	2.5	pt/a									
22	Vapam 75 G			7	9	8	6	4	2	2	3	0
	Dual Magnum	1	pt/a									
	Sonalan	2.5	pt/a									
23	Vapam 75 G			8	8	8	9	3	3	3	3	3
	Reflex	1	pt/a									
	Sonalan	2.5	pt/a									
24	Vapam 75 G			7	7	7	9	6	8	4	5	3
	Reflex	1.5	pt/a									
	Sonalan	2.5	pt/a									
25	Vapam 75 G			7	6	7	5	3	2	3	3	0
	Sinbar	2.5	oz/a									
	Sonalan	2.5	pt/a									
26	Vapam 75 G			6	7	8	9	5	4	5	5	4
	Sinbar	5	oz/a									
	Sonalan	2.5	pt/a									
27	Vapam 75 G			10	7	9	8	4	4	6	5	5
	Goal	1	pt/a									
	Sonalan	2.5	pt/a									
28	Vapam 75 G			8	5	7	5	5	5	5	4	6
	Sulfentrazone	0.25	lb ai/a									
	Sonalan	2.5	pt/a									
29	Vapam 75 G			8	7	6	8	5	4	5	4	1
	V-rowmid	3	oz/a									
	Sonalan	2.5	pt/a									
30	Vapam 75 G			7	4	5	2	3	3	3	3	3
	Sonalan	2.5	pt/a									
LSD (P=.05)				3.1	3.6	4.0	4.8	6.3	6.9	6.3	6.1	6.1
Standard Deviation				1.9	2.2	2.5	3.0	3.8	4.2	3.9	3.7	3.8
CV				25.96	33.57	35.46	47.09	71.92	87.73	99.19	105.94	124.89

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

# University of Georgia

Weed Code	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	Yield	Yield	CITLA			
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit #	fruit wt	fruit			
Rating Data Type	10<	10<	10<	10<	10<	10<	<10 lb	<10 lb	10-20lb			
Rating Unit	10<	10<	10<	10<	10<	10<	<10 lb	<10 lb	10-20lb			
Rating Date	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05			
Trt-Eval Interval	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A			
ARM Action Codes								T1				
# Subsamples, Dec.								1				
Trt No.	Treatment Name	Rate	Rate Unit	18	19	20	21	22	23	24	25	26
1	Vapam 25 G Sandea Sonalan	0.75 2.5	oz/a pt/a	3	2	2	0	0	0	10	71.8	15
2	Vapam 25 G Dual Magnum Sonalan	1 2.5	pt/a pt/a	0	0	0	0	0	0	5	43.4	13
3	Vapam 25 G Reflex Sonalan	1 2.5	pt/a pt/a	2	2	2	0	0	0	6	44.8	14
4	Vapam 25 G Reflex Sonalan	1.5 2.5	pt/a pt/a	0	0	0	0	0	0	7	55.6	13
5	Vapam 25 G Sinbar Sonalan	2.5 2.5	oz/a pt/a	3	3	3	2	0	0	9	61.5	17
6	Vapam 25 G Sinbar Sonalan	5 2.5	oz/a pt/a	2	2	0	0	0	0	9	65.3	14
7	Vapam 25 G Goal Sonalan	1 2.5	pt/a pt/a	0	0	0	0	0	0	5	36.6	16
8	Vapam 25 G Sulfentrazone Sonalan	0.25 2.5	lb ai/a pt/a	0	0	0	0	0	0	6	44.2	11
9	Vapam 25 G V-rowmid Sonalan	3 2.5	oz/a pt/a	2	2	0	0	0	0	8	62.4	14
10	Vapam 25 G Sonalan	2.5	pt/a	2	3	3	2	2	3	10	72.9	15
11	Vapam 50 G Sandea Sonalan	0.75 2.5	oz/a pt/a	6	7	2	0	0	0	12	78.7	12
12	Vapam 50 G Dual Magnum Sonalan	1 2.5	pt/a pt/a	5	3	0	0	0	0	11	75.5	14
13	Vapam 50 G Reflex Sonalan	1 2.5	pt/a pt/a	2	0	0	0	0	0	10	64.0	15
14	Vapam 50 G Reflex Sonalan	1.5 2.5	pt/a pt/a	5	2	3	0	0	0	11	80.0	16
15	Vapam 50 G Sinbar Sonalan	2.5 2.5	oz/a pt/a	3	2	2	0	0	0	9	60.4	16
16	Vapam 50 G Sinbar Sonalan	5 2.5	oz/a pt/a	4	5	3	0	0	0	12	83.1	14

# University of Georgia

Weed Code	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	Yield	Yield	CITLA	
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit #	fruit wt	fruit	
Rating Data Type	10<	10<	10<	10<	10<	10<	<10 lb	<10 lb	10-20lb	
Rating Unit	10<	10<	10<	10<	10<	10<	<10 lb	<10 lb	10-20lb	
Rating Date	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	
Trt-Eval Interval	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	
ARM Action Codes								T1		
# Subsamples, Dec.								1		
Trt Treatment	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
No. Name	Rate Unit	18	19	20	21	22	23	24	25	26
17 Vapam 50 G		5	4	4	1	2	0	11	76.3	12
Goal	1 pt/a									
Sonalan	2.5 pt/a									
18 Vapam 50 G		1	0	0	0	0	0	8	49.3	15
Sulfentrazone	0.25 lb ai/a									
Sonalan	2.5 pt/a									
19 Vapam 50 G		0	0	0	0	0	0	5	41.3	16
V-rowmid	3 oz/a									
Sonalan	2.5 pt/a									
20 Vapam 50 G		3	2	0	0	0	0	8	57.0	16
Sonalan	2.5 pt/a									
21 Vapam 75 G		4	0	0	0	0	0	9	63.6	15
Sanda	0.75 oz/a									
Sonalan	2.5 pt/a									
22 Vapam 75 G		0	0	0	0	0	0	7	47.7	16
Dual Magnum	1 pt/a									
Sonalan	2.5 pt/a									
23 Vapam 75 G		2	2	0	0	0	0	8	58.9	14
Reflex	1 pt/a									
Sonalan	2.5 pt/a									
24 Vapam 75 G		3	1	3	2	2	3	11	77.3	15
Reflex	1.5 pt/a									
Sonalan	2.5 pt/a									
25 Vapam 75 G		0	0	0	0	0	0	6	41.4	13
Sinbar	2.5 oz/a									
Sonalan	2.5 pt/a									
26 Vapam 75 G		1	2	0	0	0	0	9	63.3	16
Sinbar	5 oz/a									
Sonalan	2.5 pt/a									
27 Vapam 75 G		5	3	2	3	2	0	11	79.8	14
Goal	1 pt/a									
Sonalan	2.5 pt/a									
28 Vapam 75 G		2	2	0	0	0	0	12	59.4	16
Sulfentrazone	0.25 lb ai/a									
Sonalan	2.5 pt/a									
29 Vapam 75 G		0	0	0	0	0	0	8	54.8	13
V-rowmid	3 oz/a									
Sonalan	2.5 pt/a									
30 Vapam 75 G		2	0	0	0	0	0	6	43.1	17
Sonalan	2.5 pt/a									
LSD (P=.05)		5.4	4.5	4.2	2.3	2.3	2.1	5.8	40.16	4.3
Standard Deviation		3.3	2.8	2.6	1.4	1.4	1.3	3.5	24.60	2.7
CV		147.41	169.74	269.14	422.56	468.52	677.09	41.14	40.69	18.22

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

Column 25: T1 = [C8]+[C9]+[C10]+[C11]+[C12]+[C13]+[C14]+[C15]+[C16]+[C17]+[C18]+[C19]+[C20]+[C21]+[C22]+[C23]

# University of Georgia

Weed Code	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA			
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit			
Rating Data Type	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb			
Rating Unit	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb			
Rating Date	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05			
Trt-Eval Interval	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A			
ARM Action Codes												
# Subsamples, Dec.												
Trt No.	Treatment Name	Rate	Unit	27	28	29	30	31	32	33	34	35
1	Vapam 25 G Sandea Sonalan	0.75 2.5	oz/a pt/a	12	13	14	15	15	16	15	15	13
2	Vapam 25 G Dual Magnum Sonalan	1 2.5	pt/a pt/a	13	13	17	16	13	14	11	17	13
3	Vapam 25 G Reflex Sonalan	1 2.5	pt/a pt/a	14	13	14	17	11	14	13	13	16
4	Vapam 25 G Reflex Sonalan	1.5 2.5	pt/a pt/a	12	15	13	16	15	14	17	15	14
5	Vapam 25 G Sinbar Sonalan	2.5 2.5	oz/a pt/a	16	13	12	16	12	14	13	14	14
6	Vapam 25 G Sinbar Sonalan	5 2.5	oz/a pt/a	13	14	13	13	14	12	12	15	8
7	Vapam 25 G Goal Sonalan	1 2.5	pt/a pt/a	16	16	15	15	12	14	15	19	16
8	Vapam 25 G Sulfentrazone Sonalan	0.25 2.5	lb ai/a pt/a	12	14	13	14	13	12	10	9	8
9	Vapam 25 G V-rowmid Sonalan	3 2.5	oz/a pt/a	11	13	10	12	13	11	12	11	12
10	Vapam 25 G Sonalan	2.5	pt/a	14	17	18	13	14	13	12	15	15
11	Vapam 50 G Sandea Sonalan	0.75 2.5	oz/a pt/a	13	14	16	15	14	15	14	14	14
12	Vapam 50 G Dual Magnum Sonalan	1 2.5	pt/a pt/a	13	15	18	18	16	12	11	13	15
13	Vapam 50 G Reflex Sonalan	1 2.5	pt/a pt/a	13	14	19	13	15	16	14	14	10
14	Vapam 50 G Reflex Sonalan	1.5 2.5	pt/a pt/a	15	14	15	17	16	14	15	13	12
15	Vapam 50 G Sinbar Sonalan	2.5 2.5	oz/a pt/a	14	12	13	14	12	14	17	12	15
16	Vapam 50 G Sinbar Sonalan	5 2.5	oz/a pt/a	15	12	15	15	14	12	12	17	13

# University of Georgia

Weed Code	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA			
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit			
Rating Data Type	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb			
Rating Unit	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb			
Rating Date	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05			
Trt-Eval Interval	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A			
ARM Action Codes												
# Subsamples, Dec.												
Trt No.	Treatment Name	Rate	Rate Unit	27	28	29	30	31	32	33	34	35
17	Vapam 50 G			16	15	17	16	17	14	11	9	9
	Goal	1	pt/a									
	Sonalan	2.5	pt/a									
18	Vapam 50 G			15	16	13	13	12	15	17	9	8
	Sulfentrazone	0.25	lb ai/a									
	Sonalan	2.5	pt/a									
19	Vapam 50 G			12	14	11	14	15	15	13	16	14
	V-rowmid	3	oz/a									
	Sonalan	2.5	pt/a									
20	Vapam 50 G			15	13	17	16	14	14	14	15	15
	Sonalan	2.5	pt/a									
21	Vapam 75 G			14	12	13	12	13	7	8	8	10
	Sandea	0.75	oz/a									
	Sonalan	2.5	pt/a									
22	Vapam 75 G			18	16	17	14	13	15	13	16	17
	Dual Magnum	1	pt/a									
	Sonalan	2.5	pt/a									
23	Vapam 75 G			16	14	17	15	16	13	13	16	12
	Reflex	1	pt/a									
	Sonalan	2.5	pt/a									
24	Vapam 75 G			17	16	14	16	16	15	16	15	13
	Reflex	1.5	pt/a									
	Sonalan	2.5	pt/a									
25	Vapam 75 G			13	14	12	14	14	15	16	15	13
	Sinbar	2.5	oz/a									
	Sonalan	2.5	pt/a									
26	Vapam 75 G			13	16	16	15	13	14	15	12	13
	Sinbar	5	oz/a									
	Sonalan	2.5	pt/a									
27	Vapam 75 G			16	16	17	14	18	12	15	13	15
	Goal	1	pt/a									
	Sonalan	2.5	pt/a									
28	Vapam 75 G			15	15	13	13	14	12	18	12	14
	Sulfentrazone	0.25	lb ai/a									
	Sonalan	2.5	pt/a									
29	Vapam 75 G			13	13	15	17	13	13	12	14	12
	V-rowmid	3	oz/a									
	Sonalan	2.5	pt/a									
30	Vapam 75 G			16	11	19	17	14	16	16	14	18
	Sonalan	2.5	pt/a									
LSD (P=.05)				5.1	4.8	4.3	5.2	4.9	4.9	4.5	6.2	6.7
Standard Deviation				3.1	3.0	2.7	3.2	3.0	3.0	2.8	3.8	4.1
CV				22.15	20.96	18.02	21.79	21.5	22.11	20.23	28.02	31.48

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

# University of Georgia

Weed Code	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA			
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit			
Rating Data Type	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb			
Rating Unit	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb			
Rating Date	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05			
Trt-Eval Interval	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A			
ARM Action Codes												
# Subsamples, Dec.												
Trt No.	Treatment Name	Rate	Unit	36	37	38	39	40	41	42	43	44
1	Vapam 25 G Sandea Sonalan	0.75 2.5	oz/a pt/a	16	12	14	12	14	13	12	17	14
2	Vapam 25 G Dual Magnum Sonalan	1 2.5	pt/a pt/a	14	13	14	13	14	17	15	10	8
3	Vapam 25 G Reflex Sonalan	1 2.5	pt/a pt/a	14	12	16	14	15	10	12	10	8
4	Vapam 25 G Reflex Sonalan	1.5 2.5	pt/a pt/a	15	12	14	17	15	15	8	3	5
5	Vapam 25 G Sinbar Sonalan	2.5 2.5	oz/a pt/a	12	13	14	14	15	15	15	13	16
6	Vapam 25 G Sinbar Sonalan	5 2.5	oz/a pt/a	12	11	9	12	10	3	4	4	6
7	Vapam 25 G Goal Sonalan	1 2.5	pt/a pt/a	14	16	15	16	15	15	13	10	10
8	Vapam 25 G Sulfentrazone Sonalan	0.25 2.5	lb ai/a pt/a	8	8	6	4	5	6	4	7	4
9	Vapam 25 G V-rowmid Sonalan	3 2.5	oz/a pt/a	11	12	10	8	10	7	9	9	11
10	Vapam 25 G Sonalan	2.5	pt/a	14	13	12	13	13	10	9	5	4
11	Vapam 50 G Sandea Sonalan	0.75 2.5	oz/a pt/a	12	7	8	8	6	4	0	0	0
12	Vapam 50 G Dual Magnum Sonalan	1 2.5	pt/a pt/a	13	14	13	14	8	10	11	9	5
13	Vapam 50 G Reflex Sonalan	1 2.5	pt/a pt/a	8	10	9	10	10	9	7	4	5
14	Vapam 50 G Reflex Sonalan	1.5 2.5	pt/a pt/a	12	13	13	14	13	9	4	4	0
15	Vapam 50 G Sinbar Sonalan	2.5 2.5	oz/a pt/a	13	12	14	7	7	11	11	8	8
16	Vapam 50 G Sinbar Sonalan	5 2.5	oz/a pt/a	16	13	12	9	12	11	9	0	0

# University of Georgia

Weed Code	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA			
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit			
Rating Data Type	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb			
Rating Unit	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb			
Rating Date	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05			
Trt-Eval Interval	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A			
ARM Action Codes												
# Subsamples, Dec.												
Trt No.	Treatment Name	Rate	Rate Unit	36	37	38	39	40	41	42	43	44
17	Vapam 50 G			9	8	10	8	8	10	5	5	5
	Goal	1 pt/a										
	Sonalan	2.5 pt/a										
18	Vapam 50 G			11	11	9	11	7	9	11	9	10
	Sulfentrazone	0.25 lb ai/a										
	Sonalan	2.5 pt/a										
19	Vapam 50 G			12	17	15	10	12	9	4	6	6
	V-rowmid	3 oz/a										
	Sonalan	2.5 pt/a										
20	Vapam 50 G			13	13	14	7	10	11	9	11	9
	Sonalan	2.5 pt/a										
21	Vapam 75 G			9	10	10	9	6	0	0	0	0
	Sandea	0.75 oz/a										
	Sonalan	2.5 pt/a										
22	Vapam 75 G			12	13	14	14	14	15	16	16	11
	Dual Magnum	1 pt/a										
	Sonalan	2.5 pt/a										
23	Vapam 75 G			11	8	10	10	8	10	11	11	8
	Reflex	1 pt/a										
	Sonalan	2.5 pt/a										
24	Vapam 75 G			15	14	14	16	9	0	0	0	0
	Reflex	1.5 pt/a										
	Sonalan	2.5 pt/a										
25	Vapam 75 G			11	9	12	8	9	12	7	9	0
	Sinbar	2.5 oz/a										
	Sonalan	2.5 pt/a										
26	Vapam 75 G			16	15	14	15	19	12	12	14	15
	Sinbar	5 oz/a										
	Sonalan	2.5 pt/a										
27	Vapam 75 G			16	18	9	9	11	5	5	3	0
	Goal	1 pt/a										
	Sonalan	2.5 pt/a										
28	Vapam 75 G			13	16	9	11	9	6	4	4	6
	Sulfentrazone	0.25 lb ai/a										
	Sonalan	2.5 pt/a										
29	Vapam 75 G			4	5	4	6	5	5	5	4	5
	V-rowmid	3 oz/a										
	Sonalan	2.5 pt/a										
30	Vapam 75 G			13	14	16	14	17	14	16	15	15
	Sonalan	2.5 pt/a										
LSD (P=.05)				8.5	8.5	10.0	10.4	11.7	12.0	11.2	11.8	11.2
Standard Deviation				5.2	5.2	6.1	6.4	7.2	7.4	6.9	7.2	6.8
CV				42.57	43.68	52.23	57.28	65.67	78.1	83.49	98.23	106.48

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



# University of Georgia

Weed Code	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA			
Crop Code	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit			
Rating Data Type	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb			
Rating Unit	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb			
Rating Date	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05			
Trt-Eval Interval	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A			
ARM Action Codes												
# Subsamples, Dec.												
Trt No.	Treatment Name	Rate	Rate Unit	45	46	47	48	49	50	51	52	53
17	Vapam 50 G			5	4	5	0	0	0	0	0	0
	Goal	1 pt/a										
	Sonalan	2.5 pt/a										
18	Vapam 50 G			10	6	0	0	0	0	0	0	0
	Sulfentrazone	0.25 lb ai/a										
	Sonalan	2.5 pt/a										
19	Vapam 50 G			5	4	4	5	6	0	0	0	0
	V-rowmid	3 oz/a										
	Sonalan	2.5 pt/a										
20	Vapam 50 G			12	5	5	6	0	0	0	0	0
	Sonalan	2.5 pt/a										
21	Vapam 75 G			0	0	0	0	0	0	0	0	0
	Sandea	0.75 oz/a										
	Sonalan	2.5 pt/a										
22	Vapam 75 G			7	11	9	11	4	4	0	0	0
	Dual Magnum	1 pt/a										
	Sonalan	2.5 pt/a										
23	Vapam 75 G			8	8	5	6	6	0	0	0	0
	Reflex	1 pt/a										
	Sonalan	2.5 pt/a										
24	Vapam 75 G			0	0	0	0	0	0	0	0	0
	Reflex	1.5 pt/a										
	Sonalan	2.5 pt/a										
25	Vapam 75 G			0	0	0	0	0	0	0	0	0
	Sinbar	2.5 oz/a										
	Sonalan	2.5 pt/a										
26	Vapam 75 G			13	11	11	10	10	9	10	10	12
	Sinbar	5 oz/a										
	Sonalan	2.5 pt/a										
27	Vapam 75 G			0	0	0	0	0	0	0	0	0
	Goal	1 pt/a										
	Sonalan	2.5 pt/a										
28	Vapam 75 G			6	5	6	6	6	4	4	4	6
	Sulfentrazone	0.25 lb ai/a										
	Sonalan	2.5 pt/a										
29	Vapam 75 G			4	7	5	5	5	5	6	5	0
	V-rowmid	3 oz/a										
	Sonalan	2.5 pt/a										
30	Vapam 75 G			13	16	11	9	11	4	0	0	0
	Sonalan	2.5 pt/a										
LSD (P=.05)				11.0	11.5	9.5	9.4	8.5	6.5	6.3	6.0	4.2
Standard Deviation				6.8	7.0	5.8	5.8	5.2	4.0	3.9	3.7	2.6
CV				126.26	148.21	160.93	193.17	242.45	274.02	301.1	307.93	441.45

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



# University of Georgia

Weed Code		CITLA fruit	CITLA fruit	CITLA fruit	CITLA fruit	CITLA fruit	CITLA fruit	CITLA fruit	CITLA fruit			
Crop Code		10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb			
Rating Data Type		10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb			
Rating Unit		10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb	10-20lb			
Rating Date		Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05			
Trt-Eval Interval		86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A			
ARM Action Codes												
# Subsamples, Dec.												
Trt No.	Treatment Name	Rate	Rate Unit	54	55	56	57	58	59	60	61	62
17	Vapam 50 G			0	0	0	0	0	0	0	0	0
	Goal	1	pt/a									
	Sonalan	2.5	pt/a									
18	Vapam 50 G			0	0	0	0	0	0	0	0	0
	Sulfentrazone	0.25	lb ai/a									
	Sonalan	2.5	pt/a									
19	Vapam 50 G			0	0	0	0	0	0	0	0	0
	V-rowmid	3	oz/a									
	Sonalan	2.5	pt/a									
20	Vapam 50 G			0	0	0	0	0	0	0	0	0
	Sonalan	2.5	pt/a									
21	Vapam 75 G			0	0	0	0	0	0	0	0	0
	Sandea	0.75	oz/a									
	Sonalan	2.5	pt/a									
22	Vapam 75 G			0	0	0	0	0	0	0	0	0
	Dual Magnum	1	pt/a									
	Sonalan	2.5	pt/a									
23	Vapam 75 G			0	0	0	0	0	0	0	0	0
	Reflex	1	pt/a									
	Sonalan	2.5	pt/a									
24	Vapam 75 G			0	0	0	0	0	0	0	0	0
	Reflex	1.5	pt/a									
	Sonalan	2.5	pt/a									
25	Vapam 75 G			0	0	0	0	0	0	0	0	0
	Sinbar	2.5	oz/a									
	Sonalan	2.5	pt/a									
26	Vapam 75 G			4	3	4	4	6	5	4	5	6
	Sinbar	5	oz/a									
	Sonalan	2.5	pt/a									
27	Vapam 75 G			0	0	0	0	0	0	0	0	0
	Goal	1	pt/a									
	Sonalan	2.5	pt/a									
28	Vapam 75 G			5	4	5	5	0	0	0	0	0
	Sulfentrazone	0.25	lb ai/a									
	Sonalan	2.5	pt/a									
29	Vapam 75 G			0	0	0	0	0	0	0	0	0
	V-rowmid	3	oz/a									
	Sonalan	2.5	pt/a									
30	Vapam 75 G			0	0	0	0	0	0	0	0	0
	Sonalan	2.5	pt/a									
LSD (P=.05)				3.2	2.7	3.5	3.4	3.3	2.4	2.0	2.7	3.2
Standard Deviation				2.0	1.7	2.1	2.1	2.0	1.5	1.2	1.7	1.9
CV				662.42	663.81	665.36	670.48	948.68	948.68	948.68	948.68	948.68

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

# University of Georgia

Weed Code	Yield	Yield	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA
Crop Code	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA
Rating Data Type	fruit #	fruit wt	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Rating Unit	10-20lb	10-20lb	> 20 lb	> 20 lb	> 20 lb	> 20 lb	> 20 lb	> 20 lb	> 20 lb	> 20 lb
Rating Date	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05
Trt-Eval Interval	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A
ARM Action Codes		T2								
# Subsamples, Dec.		1								
Trt Treatment	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
No. Name	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit
		63	64	65	66	67	68	69	70	71
1 Vapam 25 G Sandea Sonalan	0.75 oz/a 2.5 pt/a	25	353.2	14	14	8	7	0	0	0
2 Vapam 25 G Dual Magnum Sonalan	1 pt/a 2.5 pt/a	22	313.5	22	17	15	15	0	0	0
3 Vapam 25 G Reflex Sonalan	1 pt/a 2.5 pt/a	22	312.5	27	21	16	15	16	7	7
4 Vapam 25 G Reflex Sonalan	1.5 pt/a 2.5 pt/a	17	245.5	24	21	0	0	0	0	0
5 Vapam 25 G Sinbar Sonalan	2.5 oz/a 2.5 pt/a	20	276.2	23	22	15	10	0	0	0
6 Vapam 25 G Sinbar Sonalan	5 oz/a 2.5 pt/a	15	211.9	22	16	9	7	8	0	0
7 Vapam 25 G Goal Sonalan	1 pt/a 2.5 pt/a	20	304.9	21	14	7	0	0	0	0
8 Vapam 25 G Sulfentrazone Sonalan	0.25 lb ai/a 2.5 pt/a	13	166.8	24	27	9	7	0	0	0
9 Vapam 25 G V-rowmid Sonalan	3 oz/a 2.5 pt/a	17	206.2	28	14	16	13	8	8	0
10 Vapam 25 G Sonalan	2.5 pt/a	18	249.3	23	23	16	7	0	0	0
11 Vapam 50 G Sandea Sonalan	0.75 oz/a 2.5 pt/a	14	188.4	15	15	7	7	10	6	6
12 Vapam 50 G Dual Magnum Sonalan	1 pt/a 2.5 pt/a	18	252.4	7	7	8	0	0	0	0
13 Vapam 50 G Reflex Sonalan	1 pt/a 2.5 pt/a	15	218.2	24	8	0	0	0	0	0
14 Vapam 50 G Reflex Sonalan	1.5 pt/a 2.5 pt/a	16	228.0	23	16	15	16	0	0	0
15 Vapam 50 G Sinbar Sonalan	2.5 oz/a 2.5 pt/a	18	244.4	24	26	8	7	7	7	0
16 Vapam 50 G Sinbar Sonalan	5 oz/a 2.5 pt/a	16	219.5	22	24	14	0	0	0	0

# University of Georgia

Weed Code	Yield	Yield	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA
Crop Code	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA
Rating Data Type	fruit #	fruit wt	fruit	fruit	fruit	fruit	fruit	fruit	fruit
Rating Unit	10-20lb	10-20lb	> 20 lb	> 20 lb	> 20 lb	> 20 lb	> 20 lb	> 20 lb	> 20 lb
Rating Date	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05
Trt-Eval Interval	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A
ARM Action Codes		T2							
# Subsamples, Dec.		1							
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit
17	Vapam 50 G		15	216.0	15	7	0	0	0
	Goal	1 pt/a							
	Sonalan	2.5 pt/a							
18	Vapam 50 G		16	237.8	21	17	7	8	11
	Sulfentrazone	0.25 lb ai/a							
	Sonalan	2.5 pt/a							
19	Vapam 50 G		18	253.5	14	17	8	7	7
	V-rowmid	3 oz/a							
	Sonalan	2.5 pt/a							
20	Vapam 50 G		19	271.7	15	15	14	16	9
	Sonalan	2.5 pt/a							
21	Vapam 75 G		12	156.7	24	17	0	0	0
	Sandea	0.75 oz/a							
	Sonalan	2.5 pt/a							
22	Vapam 75 G		22	321.9	23	14	7	0	0
	Dual Magnum	1 pt/a							
	Sonalan	2.5 pt/a							
23	Vapam 75 G		18	267.1	19	8	8	7	7
	Reflex	1 pt/a							
	Sonalan	2.5 pt/a							
24	Vapam 75 G		15	219.3	15	14	14	16	8
	Reflex	1.5 pt/a							
	Sonalan	2.5 pt/a							
25	Vapam 75 G		15	215.1	19	16	7	8	0
	Sinbar	2.5 oz/a							
	Sonalan	2.5 pt/a							
26	Vapam 75 G		28	414.2	25	21	7	0	0
	Sinbar	5 oz/a							
	Sonalan	2.5 pt/a							
27	Vapam 75 G		15	227.6	15	14	14	11	9
	Goal	1 pt/a							
	Sonalan	2.5 pt/a							
28	Vapam 75 G		20	286.5	23	24	7	0	0
	Sulfentrazone	0.25 lb ai/a							
	Sonalan	2.5 pt/a							
29	Vapam 75 G		16	219.3	24	15	14	7	0
	V-rowmid	3 oz/a							
	Sonalan	2.5 pt/a							
30	Vapam 75 G		24	356.9	22	21	14	8	7
	Sonalan	2.5 pt/a							
LSD (P=.05)			8.6	136.76	13.8	17.5	20.2	17.9	15.0
Standard Deviation			5.3	83.75	8.5	10.7	12.4	11.0	9.2
CV			29.56	32.82	41.21	63.66	130.74	167.23	258.5

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

Column 64: T2 = [C26]+[C27]+[C28]+[C29]+[C30]+[C31]+[C32]+[C33]+[C34]+[C35]+[C36]+[C37]+[C38]+[C39]+[C40]+[C41]+[C42]+>

# University of Georgia

Weed Code	CITLA	CITLA	CITLA	Yield	Yield	TotalYld	TotalYld			
Crop Code	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA			
Rating Data Type	fruit	fruit	fruit	fruit	fruit	all fruit	all fruit			
Rating Unit	> 20 lb	> 20 lb	> 20 lb	> 20 lb	> 20 lb	#	lbs			
Rating Date	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05			
Trt-Eval Interval	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A			
ARM Action Codes					T3	T4	T5			
# Subsamples, Dec.					1		1			
Trt No.	Treatment Name	Rate	Unit	72	73	74	75	76	77	78
1	Vapam 25 G Sandea Sonalan	0.75 2.5	oz/a pt/a	0	0	0	2	42.5	37	467.5
2	Vapam 25 G Dual Magnum Sonalan	1 2.5	pt/a pt/a	0	0	0	3	68.1	30	425.1
3	Vapam 25 G Reflex Sonalan	1 2.5	pt/a pt/a	7	0	0	5	115.8	33	473.1
4	Vapam 25 G Reflex Sonalan	1.5 2.5	pt/a pt/a	0	0	0	2	44.8	27	345.9
5	Vapam 25 G Sinbar Sonalan	2.5 2.5	oz/a pt/a	0	0	0	3	70.2	31	407.9
6	Vapam 25 G Sinbar Sonalan	5 2.5	oz/a pt/a	0	0	0	3	61.2	27	338.4
7	Vapam 25 G Goal Sonalan	1 2.5	pt/a pt/a	0	0	0	2	42.1	27	383.6
8	Vapam 25 G Sulfentrazone Sonalan	0.25 2.5	lb ai/a pt/a	0	0	0	3	67.5	21	278.5
9	Vapam 25 G V-rowmid Sonalan	3 2.5	oz/a pt/a	0	0	0	4	87.3	29	356.0
10	Vapam 25 G Sonalan	2.5	pt/a	0	0	0	3	69.9	30	392.0
11	Vapam 50 G Sandea Sonalan	0.75 2.5	oz/a pt/a	0	0	0	3	67.3	29	334.5
12	Vapam 50 G Dual Magnum Sonalan	1 2.5	pt/a pt/a	0	0	0	1	22.0	29	349.9
13	Vapam 50 G Reflex Sonalan	1 2.5	pt/a pt/a	0	0	0	1	32.0	27	314.2
14	Vapam 50 G Reflex Sonalan	1.5 2.5	pt/a pt/a	0	0	0	3	69.7	31	377.7
15	Vapam 50 G Sinbar Sonalan	2.5 2.5	oz/a pt/a	0	0	0	3	79.7	30	384.5
16	Vapam 50 G Sinbar Sonalan	5 2.5	oz/a pt/a	0	0	0	3	60.0	30	362.7

# University of Georgia

Weed Code		CITLA	CITLA	CITLA	Yield	Yield	TotalYld	TotalYld		
Crop Code		CITLA	CITLA	CITLA	CITLA	CITLA	CITLA	CITLA		
Rating Data Type		fruit	fruit	fruit	fruit	fruit	all fruit	all fruit		
Rating Unit		> 20 lb	> 20 lb	> 20 lb	> 20 lb	> 20 lb	#	lbs		
Rating Date		Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05	Jul-14-05		
Trt-Eval Interval		86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A	86 DA-A		
ARM Action Codes						T3	T4	T5		
# Subsamples, Dec.						1		1		
Trt No.	Treatment Name	Rate	Rate Unit	72	73	74	75	76	77	78
17	Vapam 50 G			0	0	0	1	22.6	27	314.9
	Goal	1	pt/a							
	Sonalan	2.5	pt/a							
18	Vapam 50 G			0	0	0	3	74.6	27	361.8
	Sulfentrazone	0.25	lb ai/a							
	Sonalan	2.5	pt/a							
19	Vapam 50 G			0	0	0	2	53.1	25	347.9
	V-rowmid	3	oz/a							
	Sonalan	2.5	pt/a							
20	Vapam 50 G			8	8	10	5	110.8	31	439.5
	Sonalan	2.5	pt/a							
21	Vapam 75 G			0	0	0	2	40.8	22	261.1
	Sandea	0.75	oz/a							
	Sonalan	2.5	pt/a							
22	Vapam 75 G			0	0	0	2	44.0	31	413.6
	Dual Magnum	1	pt/a							
	Sonalan	2.5	pt/a							
23	Vapam 75 G			0	0	0	3	65.2	29	391.2
	Reflex	1	pt/a							
	Sonalan	2.5	pt/a							
24	Vapam 75 G			0	0	0	3	66.7	29	363.3
	Reflex	1.5	pt/a							
	Sonalan	2.5	pt/a							
25	Vapam 75 G			0	0	0	2	49.0	23	305.4
	Sinbar	2.5	oz/a							
	Sonalan	2.5	pt/a							
26	Vapam 75 G			0	0	0	2	53.3	39	530.8
	Sinbar	5	oz/a							
	Sonalan	2.5	pt/a							
27	Vapam 75 G			0	0	0	3	69.3	29	376.7
	Goal	1	pt/a							
	Sonalan	2.5	pt/a							
28	Vapam 75 G			0	0	0	2	53.8	34	399.7
	Sulfentrazone	0.25	lb ai/a							
	Sonalan	2.5	pt/a							
29	Vapam 75 G			0	0	0	3	59.9	26	334.0
	V-rowmid	3	oz/a							
	Sonalan	2.5	pt/a							
30	Vapam 75 G			8	0	0	4	94.7	34	494.6
	Sonalan	2.5	pt/a							
LSD (P=.05)				6.4	4.3	5.0	3.7	86.48	8.3	155.95
Standard Deviation				3.9	2.7	3.0	2.3	52.96	5.1	95.50
CV				529.77	948.68	948.68	83.85	85.51	17.42	25.3

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

Column 76: T3 = [C65]+[C66]+[C67]+[C68]+[C69]+[C70]+[C71]+[C72]+[C73]+[C74]

Column 77: T4 = [C24]+[C63]+[C75]

Column 78: T5 = [C25]+[C64]+[C76]



# University of Georgia

## MAINTENANCE

Field Prep./Maintenance:

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

### SOIL DESCRIPTION

% Sand: 86	% OM: 2.1	Texture: loamy sand
% Silt: 6	pH: 5.8	Soil Name: _____
% Clay: 8	CEC: _____	Fert. Level: _____

### ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

### MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: irrigated

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

### APPLICATION DESCRIPTION

	A	B
Application Date:	Apr-19-05	May-06-05
Time of Day:	11 am	9 am
Application Method:	injected	broadcast
Application Timing:	preplant	overtop
Applic. Placement:	4" in soi	over mulc
Air Temp., Unit:	74 F	62 F
% Relative Humidity:	46	49
Wind Velocity, Unit:	46 F	4.5 mph
Dew Presence (Y/N):	n	n
Water Hardness:		
Soil Temp., Unit:	78 F	64 F
Soil Moisture:	78	moist
% Cloud Cover:	3	0

### CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	CITLA preplant	CITLA preplant
Stage Scale:	not plant	not plant
Height, Unit:	0 in	0 in

### WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	CYPES preplant	CYPES preplant
Stage Scale:	not up	not up
Density, Unit:	12 ydsq	12 ydsq
Weed 2 Code, Stage:	AMASP preplant	AMASP preplant
Stage Scale:	not up	not up
Density, Unit:	8 ydsq	8 ydsq

# University of Georgia

## APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	fumig.rig	backpack
Operating Pressure:	29	23
Nozzle Type:	injection	flat fan
Nozzle Size:	unit	11002
Nozzle Spacing, Unit:	4 inch	18 inch
Nozzles/Row:		4
Band Width, Unit:		
Boom Length, Unit:	6 feet	4.5 feet
Boom Height, Unit:		15 inch
Ground Speed, Unit:		3 mph
Incorporation Equip.:		
Hours to Incorp.:		
Incorp. Depth, Unit:		
Carrier:	straight	water
Spray Volume, Unit:		14.8 GPA
Spray pH:		
Propellant:	pump	CO2
Tank Mix (Y/N):	N	Y

Trt No	Treatment Application Comment