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Squash response to various herbicides applied over mulch before planting.

Trial ID: Veg53-05

Study Dir.: Stanley Culpepper

Location: Ponder (5160)

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 to Measure	Plot No. By Rep		
									1	2	3
1	Goal	2	L	1	qt/a	OTPL	A	16.89 ml/mx	101	204	302
	Roundup WM	4.5	L	22	oz/a	OTPL	A	11.61 ml/mx			
2	Valor	51	DF	3	oz/a	OTPL	A	1.518 g/mx	102	207	308
	Roundup WM	4.5	L	22	oz/a	OTPL	A	11.61 ml/mx			
3	Dual Magnum	7.62	L	1.33	pt/a	OTPL	A	11.23 ml/mx	103	208	301
	Roundup WM	4.5	L	22	oz/a	OTPL	A	11.61 ml/mx			
4	Command	3.3	L	1	qt/a	OTPL	A	16.89 ml/mx	104	201	309
	Roundup WM	4.5	L	22	oz/a	OTPL	A	11.61 ml/mx			
5	Aim	2	EC	1.5	oz/a	OTPL	A	0.7918 ml/mx	105	202	306
	Roundup WM	4.5	L	22	oz/a	OTPL	A	11.61 ml/mx			
6	Aim	2	EC	1.5	oz/a	OTPL	A	0.7918 ml/mx	106	203	307
	Roundup WM	4.5	L	22	oz/a	OTPL	A	11.61 ml/mx			
	Dual Magnum	7.62	L	1.33	pt/a	OTPL	A	11.23 ml/mx			
	Command	3.3	L	1	qt/a	OTPL	A	16.89 ml/mx			
7	Roundup WM	4.5	L	22	oz/a	OTPL	A	11.61 ml/mx	107	205	310
	Surflan	4	AS	1	qt/a	OTPL	A	16.89 ml/mx			
8	Roundup WM	4.5	L	22	oz/a	OTPL	A	11.61 ml/mx	108	210	304
9	Ignite	2	L	32	oz/a	OTPL	A	16.89 ml/mx	109	206	305
10	2,4-D Amine	4	L	1.5	pt/a	OTPL	A	12.67 ml/mx	110	209	303

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Lot Code
21.113	ml	Goal 2 L	
116.132	ml	Roundup WM 4.5 L	
1.898	g	Valor 51 DF	
28.080	ml	Dual Magnum 7.62 L	
42.225	ml	Command 3.3 L	
1.980	ml	Aim 2 EC	
21.113	ml	Surflan 4 AS	
21.115	ml	Ignite 2 L	
15.834	ml	2,4-D Amine 4 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: Determine impact of herbicides applied over mulch prior to transplanting.

Visual squash injury:

1. Rainfall of nearly 2 inches occurred after applying herbicides and prior to transplanting.
2. Valor mixtures caused significant injury, predominately with stand loss.
3. Dual Magnum mixtures significantly stunted squash. As squash in other plots grew, those in the Dual plots stayed the same size.
4. Injury from 2,4-D was also a measure of stunting and epinasty. Squash did recover quickly from visual injury at 20 days after transplant.
5. Some stunting from Surflan was also noted.

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6. Roundup, Ignite, Rounup + Aim, Roundup + Command, and Roundup + Goal caused little to no issues.

Squash heights:

1. Heights are averaged over 8 to 10 plants.
2. At 12 d after transplant, only the Valor treatments had plants shorter than the Roundup only control.
3. Compared to the Roundup alone (check) at 26 d after transplant, squash were shorter in plots treated with the Valor or Dual.

Plant stand:

1. Compared to Roundup alone, the Valor treatment was the only treatment that reduced stand.

Plant biomass:

1. Five plants per plot were harvested and weighed.
2. Only the Valor treatment reduced plant biomass.

Yield:

1. In each plot, 5 living plants were left to harvest.
2. Squash was harvested 10 times.
3. The number and weight of squash harvested was variable but showed no differences. There was a trend for less squash weight in treatments with Dual or Valor.

GENERAL COMMENTS:

1. Herbicides applied 5 days prior to transplanting. Rainfall (1.95 inch) occurred 1 day after herbicide application and 4 days prior to planting.
2. Rainfall on Aug 15 = 1.45 in.

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Squash response to various herbicides applied over mulch before planting.

Trial ID: Veg53-05

Study Dir.: Stanley Culpepper

Location: Ponder (5160)

Investigator: Stanley Culpepper

Weed Code	squash	squash	squash	squash	plant 1	plant 2	plant 3	plant 4		
Crop Code	injury	injury	injury	injury	squash	squash	squash	squash		
Rating Data Type	percent	percent	percent	percent	ht	ht	ht	ht		
Rating Unit	percent	percent	percent	percent	cm	cm	cm	cm		
Rating Date	Aug-14-05	Aug-19-05	Aug-30-05	Sep-24-05	Aug-22-05	Aug-22-05	Aug-22-05	Aug-22-05		
Trt-Eval Interval	9 DA-A	14 DA-A	25 DA-A	50 DA-A	17 DA-A	17 DA-A	17 DA-A	17 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		
1	Goal Roundup WM	1 qt/a 22 oz/a	2	0	8	0	13	10	10	10
2	Valor Roundup WM	3 oz/a 22 oz/a	26	31	37	21	7	4	11	10
3	Dual Magnum Roundup WM	1.33 pt/a 22 oz/a	2	2	23	20	12	10	11	9
4	Command Roundup WM	1 qt/a 22 oz/a	0	0	0	1	2	11	12	10
5	Aim Roundup WM	1.5 oz/a 22 oz/a	0	0	0	2	4	11	3	11
6	Aim Roundup WM Dual Magnum Command	1.5 oz/a 22 oz/a 1.33 pt/a 1 qt/a	0	4	25	17	11	10	10	10
7	Roundup WM Surflan	22 oz/a 1 qt/a	3	1	10	8	11	11	11	10
8	Roundup WM	22 oz/a	5	0	0	0	11	11	8	10
9	Ignite	32 oz/a	3	0	3	0	12	10	10	12
10	2,4-D Amine	1.5 pt/a	3	2	23	6	13	5	12	11
LSD (P=.05)			8.9	6.0	9.8	6.1	5.3	6.4	5.7	2.1
Standard Deviation			5.2	3.5	5.7	3.6	3.1	3.7	3.3	1.2
CV			117.46	88.28	43.98	47.8	32.68	39.97	33.54	11.9

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

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Weed Code	plant 5 squash	plant 6 squash	plant 7 squash	plant 8 squash	plant 9 squash	plant 10 squash	Avg10pla 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	Aug-22-05	Aug-22-05	Aug-22-05	Aug-22-05	Aug-22-05	Aug-22-05	Aug-22-05	Sep-06-05			
Rating Date	17 DA-A	17 DA-A	17 DA-A	17 DA-A	17 DA-A	17 DA-A	17 DA-A	32 DA-A			
Trt-Eval Interval											
ARM Action Codes							T1				
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	9	10	11	12	13	14	15	16
1	Goal Roundup WM	1 qt/a 22 oz/a		10	12	10	10	10	10	11	30
2	Valor Roundup WM	3 oz/a 22 oz/a		7	7	2	7	2	4	6	27
3	Dual Magnum Roundup WM	1.33 pt/a 22 oz/a		10	12	10	10	10	10	10	20
4	Command Roundup WM	1 qt/a 22 oz/a		7	10	9	11	10	10	9	29
5	Aim Roundup WM	1.5 oz/a 22 oz/a		10	10	11	11	6	11	9	33
6	Aim Roundup WM Dual Magnum Command	1.5 oz/a 22 oz/a 1.33 pt/a 1 qt/a		10	12	10	9	11	10	11	26
7	Roundup WM Surflan	22 oz/a 1 qt/a		10	11	11	11	10	11	11	26
8	Roundup WM	22 oz/a		8	10	7	11	11	10	10	29
9	Ignite	32 oz/a		11	11	12	11	11	7	11	32
10	2,4-D Amine	1.5 pt/a		8	10	7	10	10	12	10	25
LSD (P=.05)				7.8	3.7	6.7	2.8	4.2	4.2	1.5	9.2
Standard Deviation				4.6	2.2	3.9	1.7	2.4	2.4	0.9	5.4
CV				48.9	20.79	44.5	16.4	26.88	25.27	9.1	19.46

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

Column 15: T1 = ((C5)+[C6]+[C7]+[C8]+[C9]+[C10]+[C11]+[C12]+[C13]+[C14])/10

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Weed Code	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7	plant 8	Avg8plan
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	Sep-06-05	Sep-06-05	Sep-06-05	Sep-06-05	Sep-06-05	Sep-06-05	Sep-06-05	Sep-06-05
Trt-Eval Interval	32 DA-A	32 DA-A	32 DA-A	32 DA-A	32 DA-A	32 DA-A	32 DA-A	32 DA-A
ARM Action Codes								T2
# Subsamples, Dec.								
Trt No.	17	18	19	20	21	22	23	24
Treatment Name								
Rate								
Unit								
1 Goal	29	32	29	27	32	29	25	23
Roundup WM								
2 Valor	20	23	22	17	14	15	8	15
Roundup WM								
3 Dual Magnum	19	19	21	14	24	17	19	15
Roundup WM								
4 Command	30	33	36	35	36	34	21	25
Roundup WM								
5 Aim	35	33	33	31	35	32	38	27
Roundup WM								
6 Aim	26	20	19	19	19	17	17	16
Roundup WM								
Dual Magnum								
Command								
7 Roundup WM	28	31	32	31	25	26	30	23
Surflan								
8 Roundup WM	27	33	33	29	31	29	27	24
9 Ignite	31	33	32	32	30	25	30	25
10 2,4-D Amine	27	25	23	31	23	21	30	20
LSD (P=.05)	14.0	10.6	9.1	14.4	10.8	9.7	15.3	4.7
Standard Deviation	8.2	6.2	5.3	8.4	6.3	5.7	8.9	2.8
CV	29.76	21.87	19.01	31.36	23.41	23.13	36.5	12.91

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

Column 24: T2 = ([16]+[17]+[18]+[19]+[20]+[21]+[22]+[23])/10

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Weed Code	biomass squash plants	biomass squash total plt wt/kg	biomass squash per plt wt/kg	harv 1 squash fruit #/5plan	harv 1 squash fruit kg/5plan	harv 1 squash cull #/5plan	harv 1 squash cull kg/5plan	harv 2 squash fruit #/5plan			
Crop Code											
Rating Data Type											
Rating Unit											
Rating Date	Aug-31-05	Aug-31-05	Aug-31-05	Sep-05-05	Sep-05-05	Sep-05-05	Sep-05-05	Sep-07-05			
Trt-Eval Interval	26 DA-A	26 DA-A	26 DA-A	31 DA-A	31 DA-A	31 DA-A	31 DA-A	33 DA-A			
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Rate Unit	25	26	27	28	29	30	31	32
1	Goal Roundup WM	1 qt/a 22 oz/a		9	0	0	1	0	0	0	4
2	Valor Roundup WM	3 oz/a 22 oz/a		4	0	0	0	0	0	0	0
3	Dual Magnum Roundup WM	1.33 pt/a 22 oz/a		10	0	0	0	0	0	0	2
4	Command Roundup WM	1 qt/a 22 oz/a		9	1	0	1	0	0	0	5
5	Aim Roundup WM	1.5 oz/a 22 oz/a		12	1	0	0	0	0	0	5
6	Aim Roundup WM Dual Magnum Command	1.5 oz/a 22 oz/a 1.33 pt/a 1 qt/a		11	0	0	0	0	0	0	2
7	Roundup WM Surflan	22 oz/a 1 qt/a		11	1	0	1	0	0	0	3
8	Roundup WM	22 oz/a		10	1	0	2	0	0	0	2
9	Ignite	32 oz/a		10	1	0	4	0	0	0	2
10	2,4-D Amine	1.5 pt/a		9	0	0	1	0	0	0	1
LSD (P=.05)				2.8	0.2	0.0	2.7	0.2	0.0	0.0	4.2
Standard Deviation				1.6	0.1	0.0	1.6	0.1	0.0	0.0	2.5
CV				17.4	27.8	38.4	153.8	141.84	0.0	0.0	90.83

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

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Weed Code	harv 2 squash fruit	harv 2 squash cull	harv 2 squash cull	harv 3 squash fruit	harv 3 squash fruit	harv 3 squash cull	harv 3 squash cull	harv 4 squash fruit			
Crop Code											
Rating Data Type											
Rating Unit	kg/5plan	#/5plan	kg/5plan	#/5plan	kg/5plan	#/5plan	kg/5plan	#/5plan			
Rating Date	Sep-07-05	Sep-07-05	Sep-07-05	Sep-09-05	Sep-09-05	Sep-09-05	Sep-09-05	Sep-12-05			
Trt-Eval Interval	33 DA-A	33 DA-A	33 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A	38 DA-A			
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	33	34	35	36	37	38	39	40
1	Goal Roundup WM	1 qt/a 22 oz/a		0	0	0	4	0	0	0	9
2	Valor Roundup WM	3 oz/a 22 oz/a		0	0	0	3	0	0	0	5
3	Dual Magnum Roundup WM	1.33 pt/a 22 oz/a		0	0	0	2	0	0	0	6
4	Command Roundup WM	1 qt/a 22 oz/a		0	0	0	5	0	0	0	6
5	Aim Roundup WM	1.5 oz/a 22 oz/a		0	0	0	3	0	0	0	8
6	Aim Roundup WM Dual Magnum Command	1.5 oz/a 22 oz/a 1.33 pt/a 1 qt/a		0	0	0	3	0	0	0	6
7	Roundup WM Surflan	22 oz/a 1 qt/a		0	0	0	3	0	0	0	7
8	Roundup WM	22 oz/a		0	0	0	4	0	0	0	7
9	Ignite	32 oz/a		0	0	0	5	0	0	0	8
10	2,4-D Amine	1.5 pt/a		0	0	0	5	0	0	0	7
LSD (P=.05)				0.3	0.0	0.0	4.2	0.2	0.0	0.0	4.5
Standard Deviation				0.2	0.0	0.0	2.5	0.1	0.0	0.0	2.6
CV				100.16	0.0	0.0	63.92	69.38	0.0	0.0	37.83

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

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Weed Code	harv 4 squash fruit	harv 4 squash cull	harv 4 squash cull	harv 5 squash fruit	harv 5 squash fruit	harv 5 squash cull	harv 5 squash cull	harv 6 squash fruit			
Crop Code											
Rating Data Type											
Rating Unit	kg/5plan	#/5plan	kg/5plan	#/5plan	kg/5plan	#/5plan	kg/5plan	#/5plan			
Rating Date	Sep-12-05	Sep-12-05	Sep-12-05	Sep-14-05	Sep-14-05	Sep-14-05	Sep-14-05	Sep-16-05			
Trt-Eval Interval	38 DA-A	38 DA-A	38 DA-A	40 DA-A	40 DA-A	40 DA-A	40 DA-A	42 DA-A			
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	41	42	43	44	45	46	47	48
1	Goal Roundup WM	1 qt/a 22 oz/a		1	0	0	4	1	0	0	10
2	Valor Roundup WM	3 oz/a 22 oz/a		1	0	0	5	1	0	0	12
3	Dual Magnum Roundup WM	1.33 pt/a 22 oz/a		1	0	0	3	0	0	0	9
4	Command Roundup WM	1 qt/a 22 oz/a		1	0	0	7	1	0	0	13
5	Aim Roundup WM	1.5 oz/a 22 oz/a		1	0	0	5	1	0	0	11
6	Aim Roundup WM Dual Magnum Command	1.5 oz/a 22 oz/a 1.33 pt/a 1 qt/a		1	0	0	4	1	0	0	13
7	Roundup WM Surflan	22 oz/a 1 qt/a		1	0	0	5	1	0	0	12
8	Roundup WM	22 oz/a		1	0	0	7	2	0	0	11
9	Ignite	32 oz/a		1	0	0	6	1	0	0	9
10	2,4-D Amine	1.5 pt/a		1	0	0	5	1	0	0	12
LSD (P=.05)				0.4	0.5	0.1	3.7	1.0	0.0	0.0	5.1
Standard Deviation				0.3	0.3	0.1	2.2	0.6	0.0	0.0	3.0
CV				41.0	316.23	323.36	42.86	61.93	0.0	0.0	26.93

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

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Weed Code	harv 6 squash fruit	harv 6 squash cull	harv 6 squash cull	harv 7 squash fruit	harv 7 squash fruit	harv 7 squash cull	harv 7 squash cull	harv 8 squash fruit			
Crop Code											
Rating Data Type											
Rating Unit	kg/5plan	#/5plan	kg/5plan	#/5plan	kg/5plan	#/5plan	kg/5plan	#/5plan			
Rating Date	Sep-16-05	Sep-16-05	Sep-16-05	Sep-19-05	Sep-19-05	Sep-19-05	Sep-19-05	Sep-21-05			
Trt-Eval Interval	42 DA-A	42 DA-A	42 DA-A	45 DA-A	45 DA-A	45 DA-A	45 DA-A	47 DA-A			
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	49	50	51	52	53	54	55	56
1	Goal Roundup WM	1 qt/a 22 oz/a		1	0	0	12	1	0	0	13
2	Valor Roundup WM	3 oz/a 22 oz/a		1	0	0	13	1	0	0	7
3	Dual Magnum Roundup WM	1.33 pt/a 22 oz/a		1	0	0	12	1	0	0	8
4	Command Roundup WM	1 qt/a 22 oz/a		1	0	0	15	1	0	0	12
5	Aim Roundup WM	1.5 oz/a 22 oz/a		1	0	0	13	1	0	0	7
6	Aim Roundup WM Dual Magnum Command	1.5 oz/a 22 oz/a 1.33 pt/a 1 qt/a		1	0	0	14	1	0	0	10
7	Roundup WM Surflan	22 oz/a 1 qt/a		1	0	0	15	2	0	0	8
8	Roundup WM	22 oz/a		1	0	0	13	2	0	0	4
9	Ignite	32 oz/a		1	0	0	14	1	0	0	8
10	2,4-D Amine	1.5 pt/a		1	0	0	16	1	0	0	8
LSD (P=.05)				0.5	0.4	0.1	6.6	0.9	0.5	0.1	5.4
Standard Deviation				0.3	0.2	0.1	3.9	0.5	0.3	0.0	3.2
CV				38.57	365.15	371.04	28.11	41.81	397.91	411.5	37.2

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

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Weed Code	harv 8 squash fruit	harv 8 squash cull	harv 8 squash cull	harv 9 squash fruit	harv 9 squash fruit	harv 9 squash cull	harv 9 squash cull	harv 10 squash fruit			
Crop Code											
Rating Data Type											
Rating Unit	kg/5plan	#/5plan	kg/5plan	#/5plan	kg/5plan	#/5plan	kg/5plan	#/5plan			
Rating Date	Sep-21-05	Sep-21-05	Sep-21-05	Sep-23-05	Sep-23-05	Sep-23-05	Sep-23-05	Sep-27-05			
Trt-Eval Interval	47 DA-A	47 DA-A	47 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	53 DA-A			
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Unit	57	58	59	60	61	62	63	64
1	Goal Roundup WM	1 qt/a 22 oz/a		1	0	0	6	1	0	0	13
2	Valor Roundup WM	3 oz/a 22 oz/a		0	0	0	5	0	0	0	14
3	Dual Magnum Roundup WM	1.33 pt/a 22 oz/a		1	0	0	5	0	0	0	12
4	Command Roundup WM	1 qt/a 22 oz/a		1	0	0	9	1	0	0	14
5	Aim Roundup WM	1.5 oz/a 22 oz/a		0	0	0	6	1	0	0	11
6	Aim Roundup WM Dual Magnum Command	1.5 oz/a 22 oz/a 1.33 pt/a 1 qt/a		1	0	0	7	1	0	0	11
7	Roundup WM Surflan	22 oz/a 1 qt/a		0	0	0	5	0	0	0	14
8	Roundup WM	22 oz/a		0	0	0	4	0	0	0	9
9	Ignite	32 oz/a		0	0	0	5	0	0	0	10
10	2,4-D Amine	1.5 pt/a		0	0	0	6	0	0	0	12
LSD (P=.05)				0.5	0.3	0.1	2.4	0.5	0.0	0.0	6.1
Standard Deviation				0.3	0.2	0.0	1.4	0.3	0.0	0.0	3.5
CV				53.5	547.72	547.72	24.68	57.4	0.0	0.0	29.51

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

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Weed Code	harv 10	harv 10	harv 10	Har1-10	Har1-10
Crop Code	squash	squash	squash	squash	squash
Rating Data Type	fruit	cull	cull	fruit	fruit
Rating Unit	kg/5plan	#/5plan	kg/5plan	#/5plan	kg/5plan
Rating Date	Sep-27-05	Sep-27-05	Sep-27-05	Sep-27-05	Sep-27-05
Trt-Eval Interval	53 DA-A	53 DA-A	53 DA-A	53 DA-A	53 DA-A
ARM Action Codes				T3	T4
# Subsamples, Dec.				1	1
Trt No.	65	66	67	68	69
Treatment Name					
Rate					
Unit					
1 Goal	2	0	0	79.7	6.9
Roundup WM					
2 Valor	2	0	0	68.0	5.6
Roundup WM					
3 Dual Magnum	2	0	0	62.7	5.5
Roundup WM					
4 Command	2	0	0	94.7	8.3
Roundup WM					
5 Aim	2	0	0	74.7	6.8
Roundup WM					
6 Aim	1	0	0	73.7	5.6
Roundup WM					
Dual Magnum					
Command					
7 Roundup WM	2	0	0	76.7	7.7
Surflan					
8 Roundup WM	1	0	0	74.0	7.5
9 Ignite	2	0	0	77.3	6.8
10 2,4-D Amine	2	0	0	77.3	7.4
LSD (P=.05)	1.4	0.0	0.0	31.30	4.29
Standard Deviation	0.8	0.0	0.0	18.25	2.50
CV	47.25	0.0	0.0	24.05	36.7

Means followed by same letter do not significantly differ (P=.05, LSD)
 Column 68: T3 = [28]+[32]+[36]+[40]+[44]+[44]+[48]+[52]+[56]+[60]+[64]
 Column 69: T4 = [29]+[33]+[37]+[41]+[45]+[49]+[53]+[57]+[61]+[65]

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

SOIL DESCRIPTION

% Sand: 94 % OM: 1.1 Texture: loamy sand
 % Silt: 2 pH: 6.4 Soil Name: _____
 % Clay: 4 CEC: _____ Fert. Level: _____

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION

	A
Application Date:	Aug-05-05
Time of Day:	10 am
Application Method:	broadcast
Application Timing:	5 DBP
Applic. Placement:	over plas
Air Temp., Unit:	78 F
% Relative Humidity:	72
Wind Velocity, Unit:	0 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	88 F
Soil Moisture:	drip
% Cloud Cover:	0

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	CUUPE preplant
Stage Scale:	not trans
Height, Unit:	0 in

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	none preplant
Stage Scale:	no weeds
Density, Unit:	0 ydsq

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APPLICATION EQUIPMENT

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

Trt No	Treatment Application Comment