

University of Georgia

Cotton and weed response to directed layby herbicide options.

Trial ID: C19-06
 Location: Sunbelt Expo

Study Dir.: Stanley Culpepper
 Investigator: Stanley Culpepper

Reps: 4 Plots: 9 by 25 feet
 Spray vol: 14.8 gal/ac Mix size: 1.5 liters (min 1.1575)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Plot No. By Rep			
										1	2	3	4
1	UTC									101	217	314	415
2	prometryn NIS	4	L		2 PT/A	12"	A	25.34 ml/mx	102	214	313	402	
					0.5 % V/V	12"	A	7.499 ml/mx					
3	fluometuron NIS	4	L		2 PT/A	12"	A	25.34 ml/mx	103	206	308	416	
					0.5 % V/V	12"	A	7.499 ml/mx					
4	linuron NIS	4	L		2 PT/A	12"	A	25.34 ml/mx	104	205	304	403	
					0.5 % V/V	12"	A	7.499 ml/mx					
5	diuron NIS	4	L		2 PT/A	12"	A	25.34 ml/mx	105	207	310	426	
					0.5 % V/V	12"	A	7.499 ml/mx					
6	Parallel PCS NIS	8	L		1 PT/A	12"	A	12.67 ml/mx	106	208	324	406	
					0.5 % V/V	12"	A	7.499 ml/mx					
7	fluometuron diuron NIS	4	L		1 PT/A	12"	A	12.67 ml/mx	107	216	301	408	
					1 PT/A	12"	A	12.67 ml/mx					
					0.5 % V/V	12"	A	7.499 ml/mx					
8	fluometuron diuron NIS	4	L		1 PT/A	12"	A	12.67 ml/mx	108	223	312	407	
					1.5 PT/A	12"	A	19.0 ml/mx					
					0.5 % V/V	12"	A	7.499 ml/mx					
9	fluometuron prometryn NIS	4	L		1 PT/A	12"	A	12.67 ml/mx	109	213	306	405	
					1.5 PT/A	12"	A	19.0 ml/mx					
					0.5 % V/V	12"	A	7.499 ml/mx					
10	fluometuron linuron NIS	4	L		1 PT/A	12"	A	12.67 ml/mx	110	215	302	424	
					1.5 PT/A	12"	A	19.0 ml/mx					
					0.5 % V/V	12"	A	7.499 ml/mx					
11	linuron diuron NIS	4	L		0.8 PT/A	12"	A	10.13 ml/mx	111	210	322	409	
					0.8 PT/A	12"	A	10.13 ml/mx					
					0.5 % V/V	12"	A	7.499 ml/mx					
12	linuron diuron NIS	4	L		1.2 PT/A	12"	A	15.2 ml/mx	112	225	319	420	
					1.2 PT/A	12"	A	15.2 ml/mx					
					0.5 % V/V	12"	A	7.499 ml/mx					
13	diuron prometryn NIS	4	L		0.8 PT/A	12"	A	10.13 ml/mx	113	222	316	412	
					0.8 PT/A	12"	A	10.13 ml/mx					
					0.5 % V/V	12"	A	7.499 ml/mx					
14	linuron prometryn NIS	4	L		0.8 PT/A	12"	A	10.13 ml/mx	114	224	321	404	
					0.8 PT/A	12"	A	10.13 ml/mx					
					0.5 % V/V	12"	A	7.499 ml/mx					
15	Parallel PCS diuron NIS	8	L		1 PT/A	12"	A	12.67 ml/mx	115	219	317	411	
					1 PT/A	12"	A	12.67 ml/mx					
					0.5 % V/V	12"	A	7.499 ml/mx					
16	Parallel PCS diuron NIS	8	L		1 PT/A	12"	A	12.67 ml/mx	116	211	320	419	
					1.5 PT/A	12"	A	19.0 ml/mx					
					0.5 % V/V	12"	A	7.499 ml/mx					
17	Parallel PCS prometryn NIS	8	L		1 PT/A	12"	A	12.67 ml/mx	117	220	326	421	
					1 PT/A	12"	A	12.67 ml/mx					
					0.5 % V/V	12"	A	7.499 ml/mx					
18	Parallel PCS fluometuron NIS	8	L		1 PT/A	12"	A	12.67 ml/mx	118	202	325	401	
					1 PT/A	12"	A	12.67 ml/mx					
					0.5 % V/V	12"	A	7.499 ml/mx					
19	Parallel PCS linuron NIS	8	L		1 PT/A	12"	A	12.67 ml/mx	119	218	311	417	
					1 PT/A	12"	A	12.67 ml/mx					
					0.5 % V/V	12"	A	7.499 ml/mx					

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Reps: 4 Plots: 9 by 25 feet
 Spray vol: 14.8 gal/ac Mix size: 1.5 liters (min 1.1575)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Grow Unit	Appl Stg	Appl Code	Amt Product to Measure	Plot No. By Rep			
										1	2	3	4
20	Aim NIS	2		EC	1.25	OZ/A	12"	A	0.9898 ml/mx	120	209	305	418
									7.499 ml/mx				
21	Envoke NIS	75		DF	0.15	OZ/A	12"	A	0.1139 g/mx	121	226	315	414
									7.499 ml/mx				
22	Suprend NIS	80		DF	1.25	LB/A	12"	A	15.18 g/mx	122	212	303	425
									7.499 ml/mx				
23	Staple NIS	3.2		DF	2.6	OZ/A	12"	A	1.973 g/mx	123	203	323	410
									7.499 ml/mx				
24	Roudup WeatherMax	4.5		L	22	OZ/A	12"	A	17.42 ml/mx	124	204	318	422
25	Roudup WeatherMax diuron	4.5		L	22	OZ/A	12"	A	17.42 ml/mx	125	201	309	413
									19.0 ml/mx				
26	MSMA NIS	6		L	2.5	PT/A	12"	A	31.67 ml/mx	126	221	307	423
									7.499 ml/mx				

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
96.590	ml	prometryn	4	L	
215.602	ml	NIS		L	
110.841	ml	fluometuron	4	L	
115.592	ml	linuron	4	L	
178.930	ml	diuron	4	L	
95.007	ml	Parallel PCS	8	L	
1.237	ml	Aim	2	EC	
0.142	g	Envoke	75	DF	
18.976	g	Suprend	80	DF	
2.467	g	Staple	3.2	DF	
43.550	ml	Roudup WeatherMax	4.5	L	
39.586	ml	MSMA	6	L	

- * 'Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 1.5 liters (mix size basis).
- * Product amount calculations increased 25 % for overage adjustment.
- * 'Per volume' calculations use spray volume= 14.8 gal/ac, mix size= 1.5 liters.

Trial Comments

OBJECTIVE: Compare layby herbicide options for the control of spiderwort, doveweed, and morningglory.

COTTON RESPONSE:

1. Injury was only greater than 2% with Aim (28%). These treatments were applied to 14 inch cotton, Aim should be applied in cotton 18 inches or larger.

WEED RESPONSE:

Tropical Spiderwort:

1. Aim was the only system providing excellent control of emerged spiderwort. However without residual activity, control was poor by late-season.
2. At 29 DAT, the only two treatments with greater than 75% control were 1) MSMA, 2) Roundup plus diuron, 3) Suprend, 4) Aim, and 5) Fluometuron plus diuron.
3. At 52 DAT, MSMA and Aim were the only treatment providing greater than 65% control because these were the only treatments actually controlling the emerged plants at time of application..
4. Substituted urea herbicides provided poor control of emerged spiderwort.

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5. Parallel systems were ineffective because emerged spiderwort at time of the application were not controlled, thus residual control is of little benefit if the plants present at time of application are not controlled.

Doveweed:

1. At 12 DAT, only Suprend provided greater than 70% control.
2. No treatment even provided fair late-season control.
3. At 52 DAT, Parallel systems including substituted ureas were generally the most effective options. These treatments were more effective than others because of the residual control by Parallel which controlled much of the doveweed population that emerged in late June into July.

Pitted Morningglory:

1. The most consistent and effective programs included Aim, Envoke, Staple, Suprend, Roundup, and Roundup plus diuron.
2. Of the substituted ureas, the trend for greater control was noted when the application rate totaled at least 2 pt of product per acre.

CONCLUSION:

1. This research clearly shows that it is critical that MSMA be included with substituted urea herbicides at layby. If we lose MSMA, which is likely, the use of these products will be solely as tank mixtures with Roundup which will further promote resistance.

GENERAL COMMENTS:

1. Glyphosate was applied over the trial area when cotton was in the 3 leaf stage of growth.

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Cotton and weed response to directed layby herbicide options.

Trial ID: C19-06

Study Dir.: Stanley Culpepper

Location: Sunbelt Expo

Investigator: Stanley Culpepper

Weed Code		GOSHI	COMBE	COMBE	COMBE	COMBE	MUDNU	MUDNU	MUDNU	
Crop Code		injury	control	control	control	control	control	control	control	
Rating Data Type		%	%	%	%	%	%	%	%	
Rating Unit										
Rating Date		Jun-16-06	Jun-16-06	Jun-23-06	Jul-10-06	Aug-02-06	Jun-16-06	Jun-23-06	Aug-02-06	
Assessed By			SC	SC	AD	AD	SC	SC	AD	
Trt-Eval Interval		5 DA-A	5 DA-A	12 DA-A	29 DA-A	52 DA-A	5 DA-A	12 DA-A	52 DA-A	
Trt No.	Treatment Name	Rate								
		Rate Unit	1	2	3	4	5	6	7	8
1	UTC		0 c	0 k	0 l	0 f	0 i	0 g	0 g	0 e
2	prometryn NIS	2 PT/A 0.5 % V/V	3 c	53 b-h	43 g-k	59 b-e	28 fgh	23 bcd	50 bc	18 cd
3	fluometuron NIS	2 PT/A 0.5 % V/V	0 c	15 ijk	44 f-k	70 a-e	49 a-f	5 efg	19 efg	21 cd
4	linuron NIS	2 PT/A 0.5 % V/V	0 c	58 b-g	68 a-e	64 a-e	45 b-f	20 b-e	30 c-f	23 c
5	diuron NIS	2 PT/A 0.5 % V/V	0 c	31 hij	61 b-g	64 a-e	46 a-f	13 b-g	18 efg	10 cde
6	Parallel PCS NIS	1 PT/A 0.5 % V/V	0 c	13 jk	31 jk	45 e	38 c-g	3 fg	19 efg	46 b
7	fluometuron diuron NIS	1 PT/A 1 PT/A 0.5 % V/V	0 c	46 c-h	46 e-k	78 a-d	49 a-f	15 b-g	21 def	18 cd
8	fluometuron diuron NIS	1 PT/A 1.5 PT/A 0.5 % V/V	0 c	49 b-h	53 d-i	78 a-d	54 a-e	11 b-g	25 def	24 c
9	fluometuron prometryn NIS	1 PT/A 1.5 PT/A 0.5 % V/V	0 c	58 b-g	71 a-d	69 a-e	35 d-h	25 bc	43 bcd	15 cd
10	fluometuron linuron NIS	1 PT/A 1.5 PT/A 0.5 % V/V	0 c	71 b	66 b-e	55 cde	44 b-f	26 b	41 bcd	15 cd
11	linuron diuron NIS	0.8 PT/A 0.8 PT/A 0.5 % V/V	0 c	44 d-h	29 k	20 f	14 hi	25 bc	18 efg	8 de
12	linuron diuron NIS	1.2 PT/A 1.2 PT/A 0.5 % V/V	0 c	64 b-e	46 e-k	53 de	20 ghi	13 b-g	15 fg	10 cde
13	diuron prometryn NIS	0.8 PT/A 0.8 PT/A 0.5 % V/V	0 c	50 b-h	39 h-k	20 f	36 d-g	18 b-f	13 fg	8 de
14	linuron prometryn NIS	0.8 PT/A 0.8 PT/A 0.5 % V/V	0 c	59 b-f	56 c-h	50 e	34 e-h	20 b-e	23 def	18 cd
15	Parallel PCS diuron NIS	1 PT/A 1 PT/A 0.5 % V/V	0 c	41 e-h	51 d-j	60 a-e	49 a-f	13 b-g	25 def	61 a
16	Parallel PCS diuron NIS	1 PT/A 1.5 PT/A 0.5 % V/V	0 c	41 e-h	40 h-k	59 b-e	45 b-f	14 b-g	24 def	55 ab
17	Parallel PCS prometryn NIS	1 PT/A 1 PT/A 0.5 % V/V	18 b	63 b-f	65 b-e	60 a-e	49 a-f	24 bcd	30 c-f	64 a

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Weed Code	GOSHI	COMBE	COMBE	COMBE	COMBE	MUDNU	MUDNU	MUDNU			
Crop Code	injury	control	control	control	control	control	control	control			
Rating Data Type	%	%	%	%	%	%	%	%			
Rating Unit											
Rating Date	Jun-16-06	Jun-16-06	Jun-23-06	Jul-10-06	Aug-02-06	Jun-16-06	Jun-23-06	Aug-02-06			
Assessed By		SC	SC	AD	AD	SC	SC	AD			
Trt-Eval Interval	5 DA-A	5 DA-A	12 DA-A	29 DA-A	52 DA-A	5 DA-A	12 DA-A	52 DA-A			
Trt No.	Treatment Name	Rate	Unit	1	2	3	4	5	6	7	8
18	Parallel PCS fluometuron NIS	1 1 0.5	PT/A PT/A % V/V	0 c	35 ghi	33 ijk	63 a-e	53 a-e	9 d-g	25 def	55 ab
19	Parallel PCS linuron NIS	1 1 0.5	PT/A PT/A % V/V	0 c	40 fgh	68 a-e	70 a-e	54 a-e	13 b-g	25 def	66 a
20	Aim NIS	1.25 0.5	OZ/A % V/V	28 a	99 a	88 a	78 a-d	65 ab	50 a	24 def	16 cd
21	Envoke NIS	0.15 0.5	OZ/A % V/V	2 c	68 bc	76 abc	65 a-e	43 b-f	24 bcd	15 fg	10 cde
22	Suprend NIS	1.25 0.5	LB/A % V/V	0 c	59 b-f	79 ab	81 ab	35 d-h	20 b-e	73 a	10 cde
23	Staple NIS	2.6 0.5	OZ/A % V/V	0 c	65 bcd	71 a-d	55 cde	46 a-f	14 b-g	14 fg	10 cde
24	Roudup WeatherMax	22	OZ/A	0 c	54 b-h	64 b-f	70 a-e	58 a-d	10 c-g	51 b	10 cde
25	Roudup WeatherMax diuron	22 1.5	OZ/A PT/A	2 c	32 hij	68 a-e	79 abc	60 abc	10 c-g	46 bc	13 cde
26	MSMA NIS	2.5 0.5	PT/A % V/V	0 c	64 b-e	82 ab	85 a	69 a	21 bcd	37 b-e	13 cde
LSD (P=.05)				9.9	19.4	18.0	21.5	19.4	12.7	18.0	12.0
Standard Deviation				7.0	13.7	12.7	15.2	13.7	9.0	12.7	8.5
CV				352.8	28.12	23.03	25.53	32.04	53.64	45.78	35.84
Bartlett's X2				27.636	36.754	39.403	57.344	49.59	21.48	38.487	16.001
P(Bartlett's X2)				0.001*	0.034*	0.025*	0.001*	0.002*	0.491	0.031*	0.77

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

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Weed Code			IPOLA	IPOLA	IPOLA	IPOLA
Crop Code						
Rating Data Type			control	control	control	control
Rating Unit			%	%	%	%
Rating Date			Jun-16-06	Jun-23-06	Jul-10-06	Aug-02-06
Assessed By			SC	SC	AD	SC
Trt-Eval Interval			5 DA-A	12 DA-A	29 DA-A	52 DA-A
Trt No.	Treatment Name	Rate	9	10	11	12
		Rate Unit				
1	UTC		0 g	0 i	0 i	0 h
2	prometryn NIS	2 PT/A 0.5 % V/V	44 b-e	60 c-g	71 b-f	54 fg
3	fluometuron NIS	2 PT/A 0.5 % V/V	31 def	71 a-f	83 abc	74 cd
4	linuron NIS	2 PT/A 0.5 % V/V	39 b-e	63 b-f	66 def	58 efg
5	diuron NIS	2 PT/A 0.5 % V/V	25 ef	53 efg	70 b-f	71 cde
6	Parallel PCS NIS	1 PT/A 0.5 % V/V	11 fg	18 hi	0 i	0 h
7	fluometuron diuron NIS	1 PT/A 1 PT/A 0.5 % V/V	35 c-f	56 d-g	65 d-g	68 def
8	fluometuron diuron NIS	1 PT/A 1.5 PT/A 0.5 % V/V	50 b-e	68 a-f	80 a-d	78 bcd
9	fluometuron prometryn NIS	1 PT/A 1.5 PT/A 0.5 % V/V	58 bcd	65 a-f	71 b-f	71 cde
10	fluometuron linuron NIS	1 PT/A 1.5 PT/A 0.5 % V/V	59 bc	64 a-f	85 abc	83 a-d
11	linuron diuron NIS	0.8 PT/A 0.8 PT/A 0.5 % V/V	49 b-e	51 efg	50 gh	53 fg
12	linuron diuron NIS	1.2 PT/A 1.2 PT/A 0.5 % V/V	55 bcd	54 d-g	70 b-f	71 cde
13	diuron prometryn NIS	0.8 PT/A 0.8 PT/A 0.5 % V/V	54 bcd	68 a-f	44 h	53 g
14	linuron prometryn NIS	0.8 PT/A 0.8 PT/A 0.5 % V/V	46 b-e	63 b-f	63 efg	55 fg
15	Parallel PCS diuron NIS	1 PT/A 1 PT/A 0.5 % V/V	43 b-e	64 a-f	64 d-g	59 efg
16	Parallel PCS diuron NIS	1 PT/A 1.5 PT/A 0.5 % V/V	39 b-e	45 fg	71 b-f	46 g
17	Parallel PCS prometryn NIS	1 PT/A 1 PT/A 0.5 % V/V	50 b-e	69 a-f	62 fg	50 g
18	Parallel PCS fluometuron NIS	1 PT/A 1 PT/A 0.5 % V/V	31 def	36 gh	60 fg	44 g

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Weed Code		IPOLA	IPOLA	IPOLA	IPOLA		
Crop Code							
Rating Data Type		control	control	control	control		
Rating Unit		%	%	%	%		
Rating Date		Jun-16-06	Jun-23-06	Jul-10-06	Aug-02-06		
Assessed By		SC	SC	AD	SC		
Trt-Eval Interval		5 DA-A	12 DA-A	29 DA-A	52 DA-A		
Trt No.	Treatment Name	Rate	Unit	9	10	11	12
19	Parallel PCS linuron NIS	1 1 0.5	PT/A PT/A % V/V	46 b-e	70 a-f	70 c-f	53 g
20	Aim NIS	1.25 0.5	OZ/A % V/V	99 a	89 a	86 ab	90 ab
21	Envoke NIS	0.15 0.5	OZ/A % V/V	65 b	88 ab	89 a	93 a
22	Suprend NIS	1.25 0.5	LB/A % V/V	58 bcd	83 abc	91 a	82 a-d
23	Staple NIS	2.6 0.5	OZ/A % V/V	63 b	75 a-e	79 a-e	82 a-d
24	Roudup WeatherMax	22	OZ/A	54 bcd	83 abc	80 a-d	83 abc
25	Roudup WeatherMax diuron	22 1.5	OZ/A PT/A	59 bc	79 a-d	86 ab	95 a
26	MSMA NIS	2.5 0.5	PT/A % V/V	54 bcd	73 a-e	75 a-f	71 cde
LSD (P=.05)				22.3	21.3	13.9	12.8
Standard Deviation				15.7	15.0	9.8	9.1
CV				33.72	24.4	14.78	14.46
Bartlett's X2				47.575	39.005	61.404	39.098
P(Bartlett's X2)				0.002*	0.027*	0.001*	0.019*

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

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Cotton and weed response to directed layby herbicide options.

Trial ID: C19-06 Study Dir.: Stanley Culpepper
 Location: Sunbelt Expo Investigator: Stanley Culpepper

GENERAL TRIAL INFORMATION

Study Director: Stanley Culpepper **Title:** Ext. Weed Science
Affiliation: University of Georgia
Postal Code: 31794
Investigator: Stanley Culpepper **Title:** Ext. Weed Science
Affiliation: University of Georgia
Postal Code: 31794

TRIAL LOCATION

City: Moultrie **Trial Status:** completed
State/Prov.: GA **Trial Reliability:** good
Postal Code: _____ **Initiation Date:** May-05-06
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.	COMBE	tropical spiderwort	
2.	MUNDU	doveweed	
3.	IPOLA	pitted morningglory	

Crop 1: GOSHI COTTON, SHORT STAPLE **Variety:** DP 555 BRR
Planting Date: May-02-06 **Planting Method:** seeded
Rate: 3 per ft **Depth:** 0.5 in **Perennial Age:** _____
Row Spacing: 36 in **Spacing Within Row:** 4 in **Seed Bed:** flat
Soil Temperature: 74 F **Soil Moisture:** irrigation **Emergence Date:** May-07-06

SITE AND DESIGN

Plot Width, Unit: 9 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: Sunbelt Expo
Tillage Type: Conventional **Study Design:** RANDOMIZED COMPLETE BLOCK

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

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MAINTENANCE

Field Prep./Maintenance:

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

SOIL DESCRIPTION

% Sand: 88	% OM: 6	Texture: .	
% Silt: 12	pH: 1.2	Soil Name: _____	
% Clay: 0	CEC: _____	Fert. Level: _____	

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: center pivot irrigation

Closest Weather Station: _____ Distance: _____ Unit: ____

APPLICATION DESCRIPTION

	A
Application Date:	Jun-11-06
Time of Day:	6:00pm
Application Method:	broadcast
Application Timing:	layby
Applic. Placement:	directed
Air Temp., Unit:	92 F
% Relative Humidity:	56
Wind Velocity, Unit:	7 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	96 F
Soil Moisture:	moist
% Cloud Cover:	15

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	GOSHI layby
Stage Scale:	10 leaf
Height, Unit:	14 inch

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WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	COMBE layby
Stage Scale:	up to 6"
Density, Unit:	8 ydsq
Weed 2 Code, Stage:	MUNDU layby
Stage Scale:	up to 2"
Density, Unit:	35 ydsq
Weed 3 Code, Stage:	IPOLA layby
Stage Scale:	up to 8"
Density, Unit:	4 ydsq

APPLICATION EQUIPMENT

	A
Appl. Equipment:	backpack
Operating Pressure:	18
Nozzle Type:	flat fan
Nozzle Size:	11002
Nozzle Spacing, Unit:	12 inch
Nozzles/Row:	3
Band Width, Unit:	
Boom Length, Unit:	2 ft
Boom Height, Unit:	12 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