

Ohio State University Horticulture and Crop Science

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	BACKPACK	BACKPACK
Operating Pressure:	50	50
Nozzle Type:	DG	DG
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	20 GPA	20 GPA
Propellant:	CO2	CO2

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THISTLE CONTROL WITH GF-871 AND GF1004

Trial ID: 06PASTURE
Location: AGLE'S S. CHARLESTON

Study Dir.: Anthony F. Dobbels
Investigator: Dr. Mark M. Loux

Weed Code	CIRVU	CIRVU	CIRVU	CIRVU	CIRVU
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	May/23/2006	Jun/15/2006	Jul/08/2006	Aug/17/2006	Jul/19/2007
Trt-Eval Interval	SPRING	23 DA-B	46 DA-B	86 DA-B	60 WEEKS
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Unit	Appl Code	1	2	3	4	5
1	DE-750	0.047	lb ai/a	3	oz/a	A	67 a	53 ab	60 ab	93 a	87 a
1	ACTIVATOR 90	0.25	% v/v	6.4	oz/a						
2	DE-750	0.078	lb ai/a	5	oz/a	A	98 a	83 ab	87 a	90 a	97 a
2	ACTIVATOR 90	0.25	% v/v	6.4	oz/a						
3	DE-750	0.109	lb ai/a	7	oz/a	A	95 a	93 a	95 a	98 a	87 a
3	ACTIVATOR 90	0.25	% v/v	6.4	oz/a						
4	TORDON 22K	0.156	lb ai/a	10	oz/a	A	77 a	47 b	40 bc	57 b	100 a
4	ACTIVATOR 90	0.25	% v/v	6.4	oz/a						
5	BRASH	1	lb ai/a	1	qt/a	A	40 a	50 ab	27 bc	37 b	67 a
5	ACTIVATOR 90	0.25	% v/v	6.4	oz/a						
6	DE-750	0.047	lb ai/a	3	oz/a	B		100 a	100 a	100 a	93 a
6	ACTIVATOR 90	0.25	% v/v	6.4	oz/a						
7	DE-750	0.078	lb ai/a	5	oz/a	B		100 a	100 a	100 a	93 a
7	ACTIVATOR 90	0.25	% v/v	6.4	oz/a						
8	DE-750	0.109	lb ai/a	7	oz/a	B		100 a	100 a	100 a	77 a
8	ACTIVATOR 90	0.25	% v/v	6.4	oz/a						
9	2,4-D ESTER	1	lb ai/a	32	oz/a	B		93 a	100 a	98 a	83 a
9	ACTIVATOR 90	0.25	% v/v	6.4	oz/a						
10	XDE-750	0.56	lb ai/a	1.5	pt/a	B		100 a	100 a	100 a	82 a
10	ACTIVATOR 90	0.25	% v/v	6.4	oz/a						
11	XDE-750	0.75	lb ai/a	2	pt/a	B		100 a	100 a	100 a	82 a
11	ACTIVATOR 90	0.25	% v/v	6.4	oz/a						
12	XDE-750	0.97	lb ai/a	2.6	pt/a	B		100 a	100 a	100 a	93 a
12	ACTIVATOR 90	0.25	% v/v	6.4	oz/a						
13	SURMOUNT	0.325	lb ai/a	2	pt/a	B		83 ab	90 a	100 a	93 a
13	ACTIVATOR 90	0.25	% v/v	6.4	oz/a						
14	UTC							0 c	0 c	0 c	0 b
LSD (P=.05)							51.8	28.9	33.8	24.2	26.0
Standard Deviation							27.5	17.2	20.1	14.4	15.5
CV							36.52	21.85	25.65	17.2	19.14
Bartlett's X2							10.836	7.103	6.951	17.145	9.343
P(Bartlett's X2)							0.028*	0.311	0.224	0.004*	0.59
Replicate F							0.293	0.153	0.196	0.432	2.933
Replicate Prob(F)							0.7538	0.8593	0.8236	0.6535	0.0710
Treatment F							2.220	9.246	8.198	13.734	7.758
Treatment Prob(F)							0.1566	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.