

WEED CONTROL OF SPOTTED KNAPWEED IN ALFALFA, 2010

Trial ID: A0110 Protocol ID: A0110
Location: Brighton Study Director: Andy Chomas
Project ID: Investigator: Wesley Everman

General Trial Information

Study Director: Andy Chomas
Investigator: Wesley Everman

Personnel

Study Director: Andy Chomas
Investigator: Wesley Everman

Crop Description

Crop 1: MEDSA Medicago sativa Alfalfa
BBCH Scale: BDIC

Pest Description

Pest 1 Type: W **Code:** CENMA Centaurea maculosa
Common Name: Spotted knapweed

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 35 FT
Plot Area, Unit: 350 FT²
Replications: 4 **Study Design:** RACOBL Randomized Complete Block (RCB)

Application Description

A
Application Date: Mar-24-10
Time of Day: 10:30 am
Application Method: SPRAY
Application Timing: EPP
Application Placement: BROADC
Air Temperature, Unit: 50 F
% Relative Humidity: 30
Wind Velocity, Unit: 2 MPH
Wind Direction: N
Dew Presence (Y/N): N no

Crop Stage At Each Application

A
Crop 1 Code, BBCH Scale: MEDSA BDIC
Stage Scale Used: BBCH
Stage Majority, Percent: BUD

Pest Stage At Each Application

A
Pest 1 Code, Type, Scale: CENMA W
Density, Unit: 3 SQ2

Application Equipment

Equipment Type: BACK P
Operating Pressure, Unit: 30 PSI
Nozzle Type: FLAT FAN
Nozzle Size: 8003
Nozzle Spacing, Unit: 20 IN
Boom Length, Unit: 100 IN
Boom Height, Unit: 18 IN
Ground Speed, Unit: 3.5 MPH
Spray Volume, Unit: 20 gal/ac
Mix Size, Unit: 3 liters

MSU Weed Science Research Program

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Pest Code						
Crop Code						
Rating Date						
Rating Type						
Rating Unit						
Trt-Eval Interval						

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Growth Stage	CENMA MEDSA		CENMA MEDSA		CENMA MEDSA	
						12 DAT	12 DAT	27 DAT	27 DAT	43 DAT	43 DAT
1	Velpar	2 L		1 lb ai/a	EPP	29	29	13	50	8	79
2	Sencor	75 DF		1 lb ai/a	EPP	46	26	30	35	26	38
3	Sinbar	80 WP		1 lb ai/a	EPP	8	3	10	9	1	9
4	Butyrac 200 (24db)	2 L		1 lb ai/a	EPP	1	10	14	28	11	55
5	Chateau(Valor)	51 DF		0.1275 lb ai/a	EPP	15	6	8	10	8	3
5	Activator 90	L		0.25 % v/v	EPP						
6	Non-Treated					0	0	3	16	0	0
LSD (P=.05)						9.7	10.1	16.8	34.0	14.5	19.3
Standard Deviation						6.4	6.7	11.2	22.5	9.6	12.8
CV						39.06	54.36	87.76	91.66	107.64	42.16