

CONTROL OF COMMON CHICKWEED IN ALFALFA, 2010

Trial ID: A0210 Protocol ID: A0210
Location: Isabella Co. 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:** STEME Stellaria media
Common Name: Common chickweed

Site and Design

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

Application Description

A
Application Date: Mar-29-10
Time of Day: 1:45 pm
Application Method: SPRAY
Application Timing: EPP
Application Placement: BROADC
Air Temperature, Unit: 40 F
% Relative Humidity: 45
Wind Velocity, Unit: 3 MPH
Wind Direction: NW
Dew Presence (Y/N): N no

Crop Stage At Each Application

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

Pest Stage At Each Application

A
Pest 1 Code, Type, Scale: STEME W

Application Equipment

Equipment Type: BACMAN
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 IN
Spray Volume, Unit: 20 gal/ac
Mix Size, Unit: 3 liters

MSU Weed Science Research Program

CONTROL OF COMMON CHICKWEED IN ALFALFA, 2010

Trial ID: A0210 Protocol ID: A0210
 Location: Isabella Co. Study Director: Andy Chomas
 Project ID: Investigator: Wesley Everman

| Pest Code | | STEME | | STEME |
|-------------------|--|-----------|-----------|-----------|
| Crop Code | | MEDSA | MEDSA | |
| Rating Date | | Apr-13-10 | Apr-13-10 | May-12-10 |
| Rating Type | | control | control | injury |
| Rating Unit | | % | % | % |
| Trt-Eval Interval | | 15 DAT | 15 DAT | 44 DAT |

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Growth Stage | 1 | 2 | 3 | 4 |
|--------------------|------------------|-----------|-----------|----------------|--------------|-------|-------|------|-------|
| 1 | Velpar | 2 L | | 0.5 lb ai/a | EPP | 10 | 88 | 0 | 99 |
| 2 | Sencor | 75 DF | | 0.5 lb ai/a | EPP | 9 | 89 | 0 | 93 |
| 3 | Pursuit | 2 L | | 0.063 lb ai/a | EPP | 3 | 45 | 0 | 64 |
| 3 | Ammonium Sulfate | 100 DF | | 2.5 lb/a | EPP | | | | |
| 3 | Activator 90 | 100 L | | 0.25 % v/v | EPP | | | | |
| 4 | Raptor | 1 L | | 0.031 lb ai/a | EPP | 5 | 44 | 0 | 64 |
| 4 | 28% UAN | 100 L | | 2.5 % v/v | EPP | | | | |
| 4 | Activator 90 | 100 L | | 0.25 % v/v | EPP | | | | |
| 5 | Chateau(Valor) | 51 DF | | 0.1275 lb ai/a | EPP | 34 | 98 | 25 | 100 |
| 5 | Activator 90 | 100 L | | 0.25 % v/v | EPP | | | | |
| 6 | Non-treated | | | | EPP | 0 | 0 | 0 | 0 |
| LSD (P=.05) | | | | | | 8.7 | 13.8 | 2.5 | 12.8 |
| Standard Deviation | | | | | | 5.8 | 9.2 | 1.7 | 8.5 |
| CV | | | | | | 57.98 | 15.21 | 40.0 | 12.19 |