

Evaluation of Winfield Solutions 2,4-D Formulations.

Trial ID: 11-FagerS-WS24Dforms Location: Fager South

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 City State Zip Country: Murphysboro IL 62966 USA
 Trial Status: FINAL Initiation Date: 5-20-11

Objectives: Evaluate various formulations of 2,4-D for control of marestalk and other weeds.

Crop 1: YACKR Arable land Variety: NON-CROP

Pest 1 Type: W Code: ERICA Conyza canadensis (L.) Crong. horseweed
 Pest Description: glyphosate-resistant marestalk

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 30 FT Tillage Type: NO-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. GLXMA 2010

Field Prep./Maintenance: N 0 LB/A, P205 0 LB/A, K20 0 LB/A

Application Description

A
 Application Date: 5-20-11
 Time of Day: 9:45
 Application Method: Spray
 Application Timing: 6-8"MT
 Application Placement: BROFOL
 Applied By: LAH
 Air Temperature, Unit: 84 F
 % Relative Humidity: 50
 Wind Velocity, Unit: 2 MPH
 Wind Direction: S
 Dew Presence (Y/N): N
 Soil Temperature, Unit: 67 F
 Soil Moisture: NORMAL
 % Cloud Cover: 30

20-5-11
 Crop stage at application: NA NA

Pest Stage At Each Application

Application Date: 5-20-11
 Weed Code: ERICA
 Stage Majority (leaves): 25
 Stage Min, Max: 6 70
 Height Majority: 7 IN
 Height Min, Max: 1 13
 Density, Unit: 8 FT2

Application Equipment

Appl. Equipment: CO2 sprayer
 Operating Pressure: 30 PSI
 Nozzle Type: Flat fan
 Nozzle Size: XR 8002
 Boom Length, Unit: 6.67 FT
 Spray Volume, Unit: 15 GPA

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Pest Code	ERICA-HR	ERICA-HR
Crop Code		
Rating Date	6-3-11	6-17-11
Rating Data Type	Control	Control
Rating Unit	Percent	Percent
Rating Timing		
Trt-Eval Interval	14 DA-A	28 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	ERICA-HR	ERICA-HR
1	E-99	6.01	SL	0.503	lb ae/a	0.67	pt/a	6-8"MT	A	73 a	93 a
2	2,4-D LV 6	5.6	SL	0.47	lb ae/a	0.67	pt/a	6-8"MT	A	57 b	67 a
3	2,4-D AMINE 4	3.8	SL	0.475	lb ae/a	1	pt/a	6-8"MT	A	66 ab	84 a
4	AGH 09008	3.5	SL	0.437	lb ae/a	1	pt/a	6-8"MT	A	69 a	74 a
5	AGH 09008	3.5	SL	0.437	lb ae/a	1	pt/a	6-8"MT	A	64 ab	83 a
5	PREFERENCE	100	SL	0.25	% v/v	0.25	% v/v	6-8"MT	A		
5	INTERLOCK	100	SL	4	fl oz/a	4	fl oz/a	6-8"MT	A		
6	NONTREATED									0 c	0 b
LSD (P=.05)										10.3	27.6
Replicate F										1.150	1.023
Replicate Prob(F)										0.3551	0.3944
Treatment F										70.999	14.929
Treatment Prob(F)										0.0001	0.0002

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

Trial Comments

1. Protocol: Winfield Solutions.
2. Ratings: WC 14, and 28 DAT.
3. ERICA-HR = Herbicide-resistant marestail (glyphosate).