

2007 "Aquatic herbicide" treatments for Reed Canarygrass applied in Fall

Trial ID: 07ReedCanarygrass FALL Protocol ID: 07 Reed Canarygrass
Location: Niobrara, NE Study Director: Stevan Knezevic
Investigator: Stevan Knezevic

General Trial Information

Study Director: Stevan Knezevic
Investigator: Stevan Knezevic

Cooperator/Landowner

Cooperator: Haskell Agricultural Laboratory Country: USA
Organization: University of Nebraska Phone No: 402-584-2261
Address 1: 57905 866 RD Fax No: 402-584-3859
City: Concord
State/Prov: NE
Postal Code: 68728

Pest Description

Pest 1 Type: W Code: PHAAP Phalaris arundinacea
Common Name: Reed Canary Grass

Site and Design

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

Application Description

A	
Application Date:	09-27-07
Time of Day:	11:00 am
Application Method:	spray
Application Timing:	POST
Application Placement:	foliar
Air Temperature, Unit:	68 f
% Relative Humidity:	63
Wind Velocity, Unit:	1 mph
Wind Direction:	w
Dew Presence (Y/N):	n
Soil Temperature, Unit:	60 f
Soil Moisture:	dry
% Cloud Cover:	20

Pest Stage At Each Application

A	
Pest 1 Code, Disc., Scale:	PHAAP W
Stage Majority, Percent:	seed m
Height, Unit:	3 FT
Height Minimum, Maximum:	2 4

Application Equipment

A	
Appl. Equipment:	backpack
Operating Pressure, Unit:	20 psi
Nozzle Type:	Turbo Tee
Nozzle Size:	11003
Nozzle Spacing, Unit:	20 IN
Boom Length, Unit:	10 FT
Boom Height, Unit:	12 IN
Ground Speed, Unit:	2.7 MPH
Carrier:	WATER
Spray Volume, Unit:	20 GPA
Mix Size, Unit:	1.8 Liters
Propellant:	co2

Northeast Research & Extension Center

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Description	Reed Canary	Reed Canary	Reed Canary	Reed Canary								
Rating Date	05-07-08	06-20-08	07-25-08	09-04-08								
Rating Data Type	Control	Control	Control	Control								
Rating Unit	Percent	Percent	Percent	Percent								
Days After First/Last Applic.	223 223	267 267	302 302	343 343								
Trt-Eval Interval	223 DA-A	267 DA-A	302 DA-A	343 DA-A								
Trt No.	Treatment Name	Rate	Unit	Growth Stage								
1	Rodeo	1	qt/a	FALL	100.0	a	91.7	a	83.3	a	83.3	a
	Ammonium Sulfate	17	lb/100 gal	FALL								
	NIS	0.25	% v/v	FALL								
2	Rodeo	2	qt/a	FALL	100.0	a	90.0	a	80.0	a	80.0	a
	Ammonium Sulfate	17	lb/100 gal	FALL								
	NIS	0.25	% v/v	FALL								
3	Rodeo	3	qt/a	FALL	100.0	a	91.7	a	80.0	a	80.0	a
	Ammonium Sulfate	17	lb/100 gal	FALL								
	NIS	0.25	% v/v	FALL								
4	Habitat (imazapyr)	1	pt/a	FALL	100.0	a	90.0	a	86.7	a	86.7	a
	Ammonium Sulfate	17	lb/100 gal	FALL								
	MSO	1	% v/v	FALL								
5	Habitat (imazapyr)	2	pt/a	FALL	100.0	a	96.7	a	96.7	a	96.7	a
	Ammonium Sulfate	17	lb/100 gal	FALL								
	MSO	1	% v/v	FALL								
6	Habitat (imazapyr)	3	pt/a	FALL	100.0	a	96.7	a	93.3	a	93.3	a
	Ammonium Sulfate	17	lb/100 gal	FALL								
	MSO	1	% v/v	FALL								
7	Rodeo	1	qt/a	FALL	100.0	a	90.0	a	83.3	a	83.3	a
	Habitat (imazapyr)	1	pt/a	FALL								
	Ammonium Sulfate	17	lb/100 gal	FALL								
	NIS	0.25	% v/v	FALL								
LSD (P=.05)		0.00					8.57		13.26		13.26	
Standard Deviation		0.00					4.82		7.45		7.45	
CV		0.0					5.22		8.65		8.65	
Grand Mean		100.0					92.38		86.19		86.19	
Replicate F		0.000					25.590		25.800		25.800	
Replicate Prob(F)		1.0000					0.0001		0.0001		0.0001	
Treatment F		0.000					1.179		2.286		2.286	
Treatment Prob(F)		1.0000					0.3789		0.1051		0.1051	

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

Additional Treatment Information
Treatment Name
 Ammonium Sulfate = |
Rate Unit
 QT/A = Quarts Product per Acre (Metric=L/HA)Q
 LB/100 GAL = Pounds Dry Product per 100 Gallons Mix (Metric=KG/100 L)]
 % V/V = Percent, Volume Product per Volume Mix Basis (Metric=same)Z
 PT/A = Pints Product per Acre (Metric=L/HA)P