

MSU Weed Science Research Program

Preharvest desiccants II 'In green dry edible beans'

Trial ID: DB10-11 Study Dir.: Sprague, Powell  
Conducted: SVREC Investigator: Christy Sprague

Date Planted: Row Spacing: 20 IN  
Variety: Jaguar Black No. of Reps: 4  
Population: 106,000 seeds/acre % OM: 2.6  
Soil Type: Clay Loam pH: 7.8  
Plot Size: 10 X 30 FT Design: RANDOMIZED COMPLETE BLOCK

Tillage: Conventional  
Crop Code Common Name  
1. PHSVX BEAN, DRY

Application Description

A  
Application Timing: PREHARV  
Date Treated: 8/29/2011  
Time Treated: 1:26 PM  
% Cloud Cover: 40  
Air Temp., Unit: 81 F  
% Relative Humidity: 45  
Wind Speed/Unit/Dir: 3 mph SW  
Soil Temp., Unit: 69 F  
Soil/Leaf Surface M: 5 5  
Soil Moist (1=w 5=d): 4

Crop Stage at Each Application

A  
Crop Name: PHSVX  
Height (In.): 18"  
Stage (L): R7

Application Equipment

Appl	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom				
	Type	MPH	Type	Size	Height	Spacing	Width	GPA	Carrier	PSI	
A	Cub	3.8	Air Mix	11003	29"	20"	100"	19	water	28	

Comments: At desiccant application, dry bean plants were appr. 25% yellowing.

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Weed Code

Crop Code

Rating Data Type

Rating Unit

Rating Date

Trt-Eval Interval

# Subsamples, Dec.

PHSVX PHSVX PHSVX PHSVX
Desiccation Desiccation moisture yield
percent percent percent cwt/acre
9/2/2011 9/6/2011 10/5/2011 10/5/2011
3 DAT 7 DAT 37 DA-A at 18% M
1 1

Table with columns: Trt No., Treatment Name, Form Conc, Form Type, Rate, Rate Unit, Grow Stg, Appl Code, PHSVX Desiccation percent, PHSVX Desiccation percent, PHSVX moisture percent, PHSVX yield cwt/acre. Rows include treatments like Roundup PowerMax AMS, Gramoxone Inteon Activator 90, Valor MSO, Sharpen MSO AMS, Untreated, Valor Roundup PowerMax MSO AMS, Aim Sharpen MSO, and Reglone Activator 90.

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.