

Preharvest herbicides for weed desiccation in dry beans

Trial ID: DB04-18 Study Dir.: Sprague, Powell, Stiles
 Conducted: SVREC Investigator: Christy Sprague

Planting Date: Jun-19-2018 **Row Spacing:** 30 IN
Variety: 'Merlin' navy bean **No. of Reps:** 4
Population: 109000 S/A **% OM:** 2.5
Soil Type: SCL sandy clay loam **pH:** 7.7
Plot Size: 10 X 30 FT **Study Design:** Randomized Complete Block (RCB)

Tillage/Previous Crops: Fall primary tillage followed by spring soil finish
Fertilizer:

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1	CHEAL	lambsquarters, common	Chenopodium album
Crop	Code	Common Name	
1	PHSVX	Dry edible bean	

Application Description

	A	B
Application Timing:	80% Yellow	+3-5 days
Date Treated:	Sep-27-2018	Oct-3-2018
Time Treated:	10:30 PM	2:30 PM
% Cloud Cover:	35	55
Air Temp., Unit:	58 F	76 F
% Relative Humidity:	35	55
Wind Speed/Unit/Dir:	6 mph S	12 mph SE
Soil Temp, Unit:	70 F	70 F
Leaf Moist/Dew Presence (Y/N):		
Soil Moist:	5	1

Crop Stage at Each Application

	A	B
Crop 1 Name:	PHSVX	PHSVX
Height:		
Stage:		

Weed Stage at Each Application

	A	B
Weed 1 Name:	CHEAL	CHEAL
Height:	50-83 " (50)	50-83 " (50)
Stage:		

Application Equipment

Appl	Sprayer	Ground	Nozzle	Nozzle	Nozzle	Nozzle	Boom	Spray	Carrier	Operation
	Type	Speed	Type	Size	Height	Spacing	Width	Volume		Pressure
A	Cub	3.8 mph	AIXR	11003	50 "	20 "	100 "	19 GPA	water	30 psi
B	Cub	3.8 mph	AIXR	11003	50 "	20 "	100 "	19 GPA	water	30 psi

Comments: All leaves were yellow and a majority of leaf drop had occurred at the time of the preharvest treatments. This trial was mostly looking at common lambsquarters desiccation.

