

Carryover potential of tiafenacil (DCC-3825) to dry bean - II

Trial ID: DB02-20 Study Dir.: Sprague, Stiles, Powell
 Conducted: H6-8 Investigator: Christy Sprague

Planting Date: Jun-17-2020 **Row Spacing:** 30 IN
Variety: 'Zorro' black bean **No. of Reps:** 4
Population: 109000 seeds/A **% OM:** 2.6
Soil Type: L loam **pH:** 6.9
Plot Size: 10 X 30 FT **Study Design:** Randomized Complete Block (RCB)

Tillage/Previous Crops: Fall chisel plowed, fall soil finished

Fertilizer:

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1			
Crop	Code	Common Name	
1	PHSVX	Dry bean	

Application Description

A
Application Timing: FALL
Date Treated: Dec-17-2019
Time Treated: 12:45 PM
% Cloud Cover: 60
Air Temp., Unit: 28 F
% Relative Humidity: 69
Wind Speed/Unit/Dir: 8 mph NW
Soil Temp, Unit: 33 F
Leaf Moist/Dew Presence (Y/N):
Soil Moist: 5

Crop Stage at Each Application

A
Crop 1 Name: PHSVX
Height:
Stage:

Weed Stage at Each Application

A
Weed 1 Name:
Height:
Stage:

Application Equipment

Appl	Sprayer Type	Ground Speed	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	Spray Volume	Carrier	Operation Pressure
A	CUB	3.8 mph	AIXR	11003	24 "	20 "	100 "	19 GPA	WATER	30 psi

Comments:

4/27/20 - Roundup PowerMax at 44 fl oz/A + AMS was broadcast sprayed preplant. 6/17/20 - Roundup PowerMax at 32 fl oz/A + AMS was broadcast sprayed prior to planting. 7/14/20 - Basagran at 32 fl oz/A + SelectMax at 12 fl oz/A + COC was applied POST to the entire plot.

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Trial Year: 2019

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 Protocol ID: DB02-20 Investigator (Creator): Christy Sprague
 Project ID: Study Director: Sprague, Stiles, Powell
 Sponsor Contact:

Crop Type, Code	C PHSVX	C PHSVX	C PHSVX	C PHSVX	C PHSVX	C PHSVX
Rating Date	Jun-29-2020	Jun-29-2020	Jul-15-2020	Jul-22-2020	Oct-7-2020	Oct-7-2020
Rating Type	injury	Ave. stand	injury	injury	moisture	yield
Rating Unit	percent	100' row	percent	percent	percent	cwt/A
Trt-Eval Interval	195 DA-A	195 DA-A	211 DA-A	218 DA-A	295 DA-A	295 DA-A
Number of Decimals	0	0	0	0	1	1

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code						
1	Untreated							0	251	0	0	34.7	23.0
2	Tiafenacil (DCC-3825)	2.83	L	0.5	fl oz/a	FALL	A	0	250	0	0	30.0	23.4
	MSO		L	1	% v/v	FALL	A						
3	Tiafenacil (DCC-3825)	2.83	L	1	fl oz/a	FALL	A	0	228	0	0	27.7	24.8
	MSO		L	1	% v/v	FALL	A						
4	Tiafenacil (DCC-3825)	2.83	L	2	fl oz/a	FALL	A	0	246	0	0	28.1	26.3
	MSO		L	1	% v/v	FALL	A						
5	Tiafenacil (DCC-3825)	2.83	L	3	fl oz/a	FALL	A	0	246	0	7	33.0	23.9
	MSO		L	1	% v/v	FALL	A						
6	Tiafenacil (DCC-3825)	2.83	L	4	fl oz/a	FALL	A	0	243	0	1	30.4	23.8
	MSO		L	1	% v/v	FALL	A						
7	Sharpen	2.85	L	2	fl oz/a	FALL	A	0	255	0	0	30.0	26.5
	MSO		L	1	% v/v	FALL	A						
8	Sharpen	2.85	L	4	fl oz/a	FALL	A	0	252	0	0	31.6	26.1
	MSO		L	1	% v/v	FALL	A						
	LSD P=.05							.	24.1	.	3.2	7.12	4.48
	Standard Deviation							0.0	16.4	0.0	2.2	4.84	3.05
	CV							0.0	6.66	0.0	212.03	15.79	12.33