Valor as a Harvest-Aid in Dry Edible Beans

Trial ID: DB02-07 Study Dir.: Sprague, Powell Conducted: B1-4 Campus Investigator: Christy Sprague

Date Planted: 6/13/07 Row Spacing: 30 ΤN No. of Reps: Variety: Jaquar Black 4 **Population:** 6.1 Seeds/Foot % OM: 1.5 Soil Type: 6.2 Sandy Loam :Hq

x 30 Plot Size: 10 FTDesign: RANDOMIZED COMPLETE BLOCK

Tillage: Fall Chisel Plow, Spring Soil Finish X2, Previous Crop Soybeans

Fertilizer: 160# Of 19-19-19 Applied With Planter

Crop and Weed Description

Weed Code Common Name Scientific Name VELVETLEAF 1. ABUTH ABUTILON THEOPHRASTI MEDIK. ANGR mainly foxtail species SETARIA SP. 2. Crop Code Common Name

BEAN, DRY PHSVX 1.

Application Description

Α

Application Timing: PreHarv A Date Treated: 9/4/07 Time Treated: 2:00 pm % Cloud Cover: 25 Air Temp., Unit: 82 F % Relative Humidity: 53 Wind Speed/Unit/Dir: 2 mph NW Soil Temp., Unit: 72 F

Soil/Leaf Surface M: 5 5 Soil Moist (1=w 5=d): 3

Crop Stage at Each Application

А

Crop Name: PHSVX Height (In.): 15" Stage (L): 50% brown

Weed Stage at Each Application

Α

Weed 1 Name: ABUTH Height (In.): 20-30" Stage (L): many Weed 2 Name: **ANGR** Height (In.): 20-40" Stage (L): many

Weed Density (plants/sq. ft.)

1 2 3 Date: 7/10/07 7/10/07 7/10/07 7/10/07 7/10/07 7/10/07 Weed Name: ABUTH ANGR SOLPT CHEAL AMARE AMBEL Density: < 1 2 0 < 1

Application Equipment

Appl Sprayer Speed Nozzle Nozzle Nozzle Boom

Size Height Spacing Width GPA Carrier PSI MPHType Type AirMix 11003 33" Cub 3.8 20" 100" 19 Water

Comments: 6/13/07- Dual Magnum (1pt) + Permit (0.67oz) Applied Preemergence For General Weed Control

DESICC = Desiccation of dry bean and weeds.

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9/4/07- Desiccation application, bean pods aprox. 50% brown. Annual grass species

included Giant Foxtail, Barnyardgrass, and Crabgrass.

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Cro Rat Rat Rat	ed Code p Code ing Data Type ing Unit ing Date Eval Interval							PHSVX DESICC percent 9/7/07 3 DA-A	ABUTH DESICC percent 9/7/07 3 DA-A	ANGR DESICC percent 9/7/07 3 DA-A	PHSVX DESICC percent 9/11/07 7 DA-A	ABUTH DESICC percent 9/11/07 7 DA-A	ANGR DESICC percent 9/11/07 7 DA-A	PHSVX DESICC percent 9/19/07 15 DA-A
Trt No.	Treatment Name		Form Type	Rate	Rate Unit	Grow Stg	Appl Code							
1	Untreated		- 7 -			9		25	0	0	29	0	0	53
2 2	Valor Crop oil concentrate	51	WG L	1.5 1	oz/a % v/v	PREHARV PREHARV		71	86	20	86	93	48	91
3 3	Gramoxone Inteon Activator 90 (NIS)	2	SL L	2 0.25	pt/a % v/v	PREHARV PREHARV		78	91	90	84	95	95	89
4 4	Aim Crop oil concentrate	1.9	EW L	2	oz/a % v/v	PREHARV PREHARV		71	95	0	78	98	0	90
5 5	Roundup WeatherMax AMS	4.5	SL WG	22 17	fl oz/a lb/100 gal	PREHARV PREHARV		44	29	14	56	29	58	99
	O (P=.05) ndard Deviation							7.9 5.1 8.91	5.3 3.4 5.72	11.7 7.6 30.75	6.5 4.2 6.37	5.3 3.4 5.44	11.5 7.4 18.63	7.3 4.7 5.6

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Weed Code			ABUTH ANGR
Crop Code			PHSVX PHSVX
Rating Data Type			DESICC DESICC moisture yield
Rating Unit			percent percent bu/acre
Rating Date			9/19/07 9/19/07 10/12/07 10/12/07
Trt-Eval Interval			15 DA-A 15 DA-A 38 DA-A at 18% M
Trt Treatment	Form Form Rate	Grow	Appl
No. Name	Conc Type Rate Unit	Stg	Code
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	Name		Туре	Rate	Unit	Stg	Code				
1	Untreated							0	0	20.0	22.0
2 2	Valor Crop oil concentrate	51	WG L	1.5 1	oz/a % v/v	PREHARV PREHARV		97	50	20.2	19.2
3 3	Gramoxone Inteon Activator 90 (NIS)	2	SL L	2 0.25	pt/a % v/v	PREHARV PREHARV		99	98	20.7	19.0
4 4	Aim Crop oil concentrate	1.9	EW L	2	oz/a % v/v	PREHARV PREHARV		99	0	20.1	19.9
5 5	Roundup WeatherMax AMS	4.5	SL WG	22 17	fl oz/a lb/100 gal	PREHARV PREHARV		96	99	20.5	19.4
	0 (P=.05) ndard Deviation							4.2 2.7 3.49	7.9 5.1 10.35	0.46 0.30 1.47	2.07 1.34 6.74