

### Chickpea tolerance to Sharpen applied preemergence

The objective of this study was to evaluate chickpea tolerance to higher rates of Sharpen and Pursuit. 'Frontier' chickpea was seeded on May 14. Glyphosate was applied to the entire study area on May 15. All treatments were applied PRE on May 19.

It should be noted that rates used in this study are 3-4 times current use rates. All treatments caused light to moderate crop injury. All treatments provided good to excellent control of biennial wormwood and prostrate pigweed. Given that glyphosate was applied prior to the PRE application, the weed control provided here was entirely from residual control.

Table. Chickpea tolerance to Sharpen applied preemergence. (1038)

Treatment <sup>a</sup>	Rate	Crop injury				Weed Control <sup>b</sup>			
		Chickpea				Biww		Prpw	
		Jun 5	Jun 23	Jul 8	Jul 19	Jun 23	Jul 8	Jun 23	Jul 8
		-----%-----				-----%-----			
Untreated		0	0	0	0	0	0	0	0
Sharpen	3 fl oz	0	13	9	5	93	87	91	89
Sharpen	4 fl oz	0	18	17	11	96	97	95	89
Optill <sup>c</sup>	3 oz	0	17	18	15	93	81	100	100
Pursuit	6 fl oz	0	23	26	23	93	81	100	100
LSD(0.10)		NS	4.6	6.1	12.5	5.2	10	5.5	5.2

<sup>a</sup>All treatments applied PRE; Glyphosate applied PRE across entire study.

<sup>b</sup>Biww=Biennial wormwood; Prpw=Prostrate pigweed

<sup>c</sup>Optill at 3 oz is equivalent to 1.5 oz Sharpen + 6 fl oz Pursuit