

### Dry pea tolerance to Sharpen applied preemergence

'Majoret' dry pea was seeded May 12 at 140 lb/A into 7.5-inch rows into wheat stubble. Herbicides treatments were applied preemergence (PRE) on May 12. Individual plots were 10 x 30 ft and replicated three times. There were very few weeds present at application time or during the growing season.

The objective of the study was to determine dry pea sensitivity to higher rates of Sharpen. There was essentially no visible injury with any of the treatments. However, there was a downward trend in yield as Sharpen rate increased. We observed a similar trend in 2008 where we actually saw about 15-20% growth reduction and about 100 lb/A lower dry pea yield with the high rate of Sharpen. Note that the normal use rate in dry pea will be 25 g/ha, which is equivalent to 1 fl oz/A.

Table. Dry pea tolerance to Sharpen applied PRE (0938).

Treatment <sup>a</sup>	Rate	Dry pea				Yield	TW
		Jun 04	Jul 01	Jul 08	Jul 22		
		-----% injury-----				lb/A	lb/bu
Untreated		0	0	0	0	2515	66.0
Sharpen <sup>b</sup>	50 g	0	0	0	0	3027	66.0
Sharpen	75 g	0	0	0	0	2805	66.2
Sharpen	100 g	1	0	0	0	2684	65.8
Sharpen & Pursuit	143 g	0	0	0	0	3501	66.6
LSD (0.05)		NS	NS	NS	NS	485	NS
CV		164	0	0	0	9	1

<sup>a</sup> All treatments were applied PRE.

<sup>b</sup> Sharpen at 50 g/ha is equivalent to 2 fl oz/A