

## 2011 Field Pea Tolerance to Lorox DF Herbicide

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'Majoret' green field pea was seeded no-till on May 9. Treatments were applied just prior to crop emergence on May 19 with 60° F, 68% RH, cloudy sky and east wind at 10 mph. Treatments were applied with a tractor mounted CO<sub>2</sub> propelled plot sprayer delivering 10 gpa at 30 psi through PK-01E80 nozzles to 5 foot wide by 28 foot long plots. The soil is classified as a silt-loam with a pH of 5.9 and OM of 2.6%. The trial was a randomized complete block design with four replications. The trial was sprayed with 16 oz/A Poast herbicide on June 10 to control grassy weeds and 4 oz/A Raptor Herbicide on June 24 to control common mallow. Plots were evaluated for stand establishment on June 3, date of 10% bloom and lodging just prior to harvest. The trial was harvested on August 8.

Treatment	Product rate	Stand	10% bloom	Lodging	1000 KWT	Test weight	Seed yield
	oz/A	#/9' row	July	0-9*	grams	lbs/bu	bu/A
1 Untreated		40	3	6	197	64.1	47.7
2 Lorox DF	16	37	4	6	205	66.1	47.7
3 Lorox DF	32	37	3	5	205	64.7	50.4
4 Lorox DF	48	38	4	6	210	63.9	48.3
C.V. %		17	15	10	6	3.5	6.4
LSD .05		NS	NS	NS	NS	NS	NS

NS = no statistical difference between treatments

### Summary

Crop injury was not observed at any time throughout the growing season. Agronomic characteristics including stand establishment, flowering date and crop lodging, and seed characteristics including kernel weight, test weight and yield showed no adverse effects from any of the application rates of Lorox DF.