

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 CO₂ 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 #/9' row	10% bloom July	Lodging 0-9*	1000 KWT grams	Test weight lbs/bu	Seed yield 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.