

Evaluation of Huskie Herbicide in Winter Wheat

A field study was conducted to evaluate the efficacy of Huskie herbicide in winter wheat. The study was conducted on the Ray Franzen farm, adjacent to the High Plains Agricultural Laboratory near Sidney, NE. The experimental design was a randomized complete block with three replications. Plots were 10 feet wide by 40 feet long. Herbicide treatments were applied with an ATV-mounted sprayer set to deliver 12 gallons/acre at 3 miles/hour and 15 psi. Winter wheat was seeded into fallow ground in late September 2007 at a rate of 60 pounds/acre. The study was located on an Rosebud loam soil with an organic matter content of 2.1% and a pH of 7.0. Herbicide treatments were applied on May 5, 2008 to winter wheat plants that had 1 to 3 tillers and were 5 to 6 inches in height. Russian thistle plants were about 1 to 3 inches in height at the time of application.

No crop injury was observed with any of the herbicide treatments. There was a high proportion of sulfonylurea-resistant Russian thistle present at this site, which can explain the relatively poor weed control provided by the Ally XP plus 2,4-D ester treatment. Huskie provided relatively quick burn down control of Russian thistle compared to Ally XP plus 2,4-D ester. Just ten days after application, all treatments containing Huskie herbicide provided superior Russian thistle control compared to the Ally plus 2,4-D ester treatment. The best weed control at this time was obtained when Huskie was tank mixed with either MCPA ester or 2,4-D ester. The visual control ratings made on June 18 were similar to those made on May 15 with the exception that weed control had improved with the Ally XP plus 2,4-D ester treatment and that increased variability in the visual weed control ratings made separation of treatment means difficult. This increased variability in visual weed control ratings may have been the result of new weed emergence between May 15 and June 18.

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Treatment	Rate	Russian thistle control		Yield
		May 15	June 18	
		%		bu/A
Nontreated check		0	0	31.7
Huskie NIS UAN 28%	11 oz/A 0.5 % v/v 2 qt/A	72	70	35.6
Huskie NIS UAN 28%	13.5 oz/A 0.5 % v/v 2 qt/A	75	80	32.0
Huskie MCPA ester NIS UAN 28%	11 oz/A 0.75 pt/A 0.5 % v/v 2 qt/A	83	88	29.3
Huskie MCPA ester NIS UAN 28%	13.5 oz/A 0.75 pt/A 0.5 % v/v 2 qt/A	82	87	33.9
Huskie 2,4-D ester NIS UAN 28%	11 oz/A 0.5 pt/A 0.5 % v/v 2 qt/A	78	93	32.5
Ally XP 2,4-D ester NIS	0.1 oz/A 0.5 pt/A 0.5 % v/v	53	73	33.9
LSD (5 %)		7	27	6.4