

Evaluation of Huskie™ for Wild Buckwheat Control 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 2008 at a rate of 60 pounds/acre. The study was located on an Duroc loam soil with an organic matter content of 3.1% and a pH of 6.6. Herbicide treatments were applied on May 6, 2009 to winter wheat plants that had 1 to 3 tillers and were 6 to 8 inches in height. Winter wheat was jointed at the time of application with the second node visible above the ground. Wild buckwheat was 1 to 2 inches in height at application time.

On May 13, one week after the treatments were applied, Huskie treatments provided very good to excellent control of emerged wild buckwheat plants. Control with Ally® + 2,4-D was only fair at this time. By the next rating date, about three weeks after treatment applications were made, some new wild buckwheat seedlings had emerged. These new seedlings were not controlled as well in the Huskie treatments as they were in the Ally + 2,4-D treatment. In addition to the better control of newly emerged seedlings with Ally + 2,4-D, many of the wild buckwheat plants that were emerged at the time of treatment application were succumbing to the Ally + 2,4-D treatment by May 25. With the exception of Huskie applied without NIS, all treatments provided very good control of wild buckwheat three weeks after application. The addition of NIS appeared to improve Huskie activity on wild buckwheat. No significant yield differences were observed among the treatments.



Wildbuckwheat in winter wheat.

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Treatment	Rate	Wild buckwheat control		Yield
		May 13	June 25	
	oz prod/A	%		bu/A
Nontreated check		0	0	42.3
Huskie	13.5	95	88	42.7
NIS	0.5% v/v			
UAN	32			
Huskie	13.5	93	83	38.1
UAN	32			
Huskie	13.5	90	87	44.0
MCPA ester	12			
NIS	0.5%v/v			
UAN	32			
Huskie	13.5	93	85	44.6
Starane	5			
NIS	0.5% v/v			
UAN	32			
Huskie	13.5	90	87	38.2
Banvel	4			
NIS	0.5% v/v			
UAN	32			
Huskie	13.5	88	87	45.0
2,4-D ester	12			
NIS	0.5% v/v			
Ally XP	0.1	70	93	38.9
2,4-D ester	8			
NIS	0.5% v/v			
LSD (5%)		8	7	9.9