Foxtail barley control with Pre-Pare and Everest 2.0.

The objective of the study was to evaluate preplant and postemergence herbicides for foxtail barley control. Preplant treatments were applied May 17 to 3- to 5-inch foxtail barley (3 per ft^2). Spring wheat was seeded May 29. Postemergence treatments were applied June 18 to 4-leaf wheat. All preplant treatments (except one) were applied with glyphosate at 11 fl oz. Preplant treatments provided only suppression of foxtail barley. We received over 4 inches of rain within three days after the preplant application, which may have affected residual control. Only two postemergence treatments provided at least fair foxtail barley control. Everest applied POST at 1 oz either alone or tank mixed with tribenuron+thifensulfuron (1:1) provided 67 to 73% control of foxtail barley.

Table. Foxtail barley control with Pre-Pare and Everest 2.0. (1301)

			Injury		Weed Control				
			HRSW		Foxtail barley				
Treatment[ab]	Rate	Timing[c]	Jun-19	Jul-3	Jun-7	Jun-19	Jul-3	Jul-18	Aug-1
			--------%-------		----------%----------				
Untreated			0	0	0	0	0	0	0
Pre-Pare + NIS	0.3 oz + 0.25%	PP	4	0	27	10	10	3	3
Gly	11 oz	PP	0	0	85	71	45	42	35
Gly + Pre-Pare	11 oz + 0.3 oz	PP	6	0	83	71	45	42	37
Gly + Olympus	11 oz + 0.2 oz	PP	11	0	89	85	62	55	45
Gly + Pre-Pare/ Everest 2.0 + BB	11 oz + 0.3 oz / 0.5 oz + 1%	PP/POST	8	0	85	70	68	60	57
Gly / Everest 2.0 + BB	11 oz / 1 oz + 1%	PP/POST	0	0	84	71	69	66	67
Gly / Everest 2.0 + ARY547 + BB	11 oz / 1 oz+ 0.4 oz + 1%	PP/POST	0	0	85	70	74	69	73
Gly / GoldSky + BB	11 oz / 1 pt + 1%	PP/POST	0	0	84	71	65	52	52
Gly / Huskie Complete	11 oz / 13.7 oz	PP/POST	0	0	85	69	72	62	63
LSD (0.05)			0.1	NS	2.2	5.2	4.8	11.0	10.0
CV			23.2	0.0	1.8	5.2	5.5	14.2	13.5

[a] *Gly=Glyphosate; BB=Basic Blend (Quad 7); ARY547=Triben:Thifen 1:1; PP=Preplant*

[b] *All treatments applied with AMS (2.94%)*

[c] *POST applied at 4-leaf wheat*