

### Foxtail barley control with Huskie Complete and Olympus (spring applied).

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 (1 per ft<sup>2</sup>). Spring wheat was seeded May 29. Postemergence treatments were applied June 18 to 4-leaf wheat. All preplant treatments were applied with glyphosate at 16 fl oz. None of the treatments caused significant crop injury. We received over 4 inches of rain within three days after the preplant application, which may have affected residual control. Treatments containing Huskie Complete provided about 70% foxtail barley control. However, POST tank mixes containing Olympus or Rimfire Max provided 85-87% foxtail barley control. Olympus and Rimfire Max both contain propoxycarbazone, which is likely the component enhancing the foxtail barley control. Olympus applied preplant did not enhance control as it did POST.

Treatment <sup>ab</sup>	Rate	Timing <sup>a</sup>	Foxtail barley control			
			Jun-7	Jun-19	Jul-9	Aug-1
			-----%-----			
Gly / Huskie <sup>c</sup>	16 oz / 11 oz	PP / POST	85	77	57	35
Gly / HC	16 oz / 13.7 oz	PP / POST	85	78	78	71
Gly / HC <sup>c</sup>	16 oz / 13.7 oz	PP / POST	85	78	79	70
Gly / HC + Oly + AMS	16 oz / 13.7 oz + 0.2 oz + 5 %	PP / POST	86	79	85	85
Gly + Oly / HC <sup>c</sup>	16 oz + 0.2 oz / 13.7 oz	PP / POST	86	81	79	72
Gly + Oly / HC + Oly <sup>c</sup>	16 oz + 0.2 oz / 13.7 oz + 0.2 oz	PP / POST	87	81	86	86
Gly / RM + Huskie <sup>b</sup>	16 oz / 3 oz + 11 oz	PP / POST	86	80	83	85
Gly + Oly / RM + Huskie <sup>b</sup>	16 oz + 0.2 oz / 3 oz + 11 oz	PP / POST	86	81	85	87
Gly / Ever 2.0 + Huskie <sup>e</sup>	16 oz / 1 oz + 11 oz	PP / POST	85	78	70	64
Gly + PreP / Ever 2.0 + Huskie <sup>e</sup>	16 oz + 0.3 oz / 0.5 oz + 11 oz	PP / POST	81	74	66	56
LSD (0.05)			2.2	NS	4.9	5.2
CV			1.9	3.9	3.7	5.2
<sup>a</sup> Gly= Roundup WeatherMax (16 fl oz) applied preplant (PP) with AMS (5%)						
<sup>b</sup> HC=Huskie Complete; Ever 2.0=Everest 2.0; RM=Rimfire Max; RU=Roundup; PreP=Pre-Pare; Oly=Olympus						
<sup>c</sup> Applied with AMS (1.47%)						
<sup>d</sup> Applied with MSO (1.3 pt)						
<sup>e</sup> Applied with NIS (0.25%)						