

Foxtail barley control with fall vs. spring-applied Olympus

The objective of this study was to evaluate foxtail barley control with Olympus and Roundup applied in the fall compared to spring. Fall treatments were applied September 28, 2017. Spring wheat was planted May 17. Preemergence (PRE) treatments were applied May 22. Postemergence (POST) treatments were applied June 15.

Glyphosate applied fall or spring provided excellent foxtail barley control. Olympus alone applied fall and spring provided about 47% control by the August evaluation. Spring-applied Metribuzin tank mixed with Roundup resulted in severe antagonism and poor foxtail barley control.

Table. Foxtail barley control with Olympus. (1823)						
Treatment ^b	Rate	Timing	Weed Control			
			Foxtail barley			
			May-14	May-29	Jun-15	Aug-2
			-----%-----			
Untreated			0	0	0	0
Oly + Gly ^a / Oly + NIS	0.2 oz + 32 oz / 0.2 oz + 0.25%	Fall / 4-lf wheat	100	100	100	100
Oly + Gly ^a / Oly + NIS	0.4 oz + 32 oz / 0.2 oz + 0.25%	Fall / 4-lf wheat	100	100	100	100
Oly + Gly ^a / HC + Oly ^a	0.2 oz + 32 oz / 13.7 oz + 0.2 oz	Fall / 4-lf wheat	100	100	100	100
Oly + Gly ^a / HC + Oly ^a	0.4 oz + 32 oz / 13.7 oz + 0.2 oz	Fall / 4-lf wheat	100	100	100	100
Gly ^a	32 oz	Fall	100	100	100	99
Gly ^a	32 oz	PRE	0	78	98	99
Oly + NIS / HC + Oly ^a	0.4 oz + 0.25% / 13.7 oz + 0.2 oz	Fall / 4-lf wheat	17	13	12	47
Gly ^a / Gly ^a	22 oz / 22 oz	Fall / PRE	100	100	100	97
Gly ^a + Metribuzin	22 oz + 0.33 lb pr	Fall	64	60	50	28
LSD (0.05)			3.5	4.3	3.1	5.9
^a Applied with AMS (2.5 gal)						
^b Oly=Olympus; Gly=Roundup WeatherMax; HC=Huskie Complete						