Study Name: Early wild oat control with Everest, Rimfire, and Puma in HRSW (0704)

Objectives: Evaluate wild oat control with early applications vs. normal timing

Results:
Two-leaf treatments were applied May 12. At 3 and 5 weeks after treatment, Everest and Rimfire caused early-season wheat injury in the form of chlorosis and stunting. However, by early July there was no visual difference between treatments. Puma caused very little crop injury.

Everest and Rimfire provided 88-89% wild oat control in July, while Puma applied at 2-leaf wheat provided only 65% wild oat control. Puma applied at 5-leaf wheat provided 94% wild oat control in July. Everest and Puma applied at the 5-leaf stage provided 88 and 95% foxtail control, respectively. However, Rimfire and Puma applied at 2-leaf wheat only 33 and 74% foxtail control, respectively, in July.

All herbicide treatments provided similar wheat yield and test weight, which were higher than the untreated check.

			Wheat			Wioa[a]			Fxtl[a]		Wheat	
			------% injury------			-----% control-----			-% control-		Yield	Test wt.
Treatment	Rate	Timing	Jun 2	Jun 19	Jul 5	Jun 2	Jun 19	Jul 5	Jun 19	Jul 5	bu/A	lb/bu
Untreated			0	0	0	0	0	0	0	0	16.6	61.3
Everest + Quad 7	0.4 oz + 1%	1.5-2 lf	23	16	3	93	91	89	91	88	34.7	62.5
Rimfire + Quad 7	1.75 oz + 1%	1.5-2 lf	17	13	3	90	86	88	40	33	33.4	62.1
Puma	0.67 pt	1.5-2 lf	4	0	0	83	65	65	78	74	31.2	62.3
Puma	0.67 pt	5-leaf	0	0	0	0	93	94	94	95	35.9	62.8
LSD (0.05)			3.0	4.6	NS	2.6	7.4	7.4	8.5	9.1	7.5	0.7
CV			18	42	129	2.6	5.9	5.9	7.4	8.4	13.1	0.58

[a] *Wioa = Wild oat; Fxtl = Green and yellow foxtail mix*