

Wild oat control with Everest 2.0 tank mixes

The objective of the study was to evaluate wild oat control with Everest 2.0 alone, as a premix, or tank mixed with broadleaf herbicides. Two treatments were applied June 6 to 2- to 3-leaf wheat, while the remaining treatments were applied June 16 to 4-leaf wheat. Wild oat were about the same stage as the wheat with an average of 10 plants per ft². The wild oat population in this field is known to be resistant to Puma, but not to Axial. All treatments provided good to excellent wild oat control with the exception of Wolverine (Puma + Huskie). Raze (Everest 2.0 + fluroxypyr) tank mixed with Bronate resulted in slightly lower wild oat control. All other treatments containing Everest 2.0 alone or in a mix provided excellent wild oat control. The early application did not show a yield advantage from removing weed competition early. In a similar study in 2010, a yield advantage was observed when treatments applied to 5-leaf wheat yielded more than treatments applied to 6.5 leaf-jointing. Wild oat density in the 2010 study was higher at 25 plants/ft².

Table. Wild oat control with Everest 2.0 tank mixes. (1104)

Treatment	Rate/ha	Timing	HRSW		Weed Control		HRSW	
			Injury		Wild Oat		Yield	TW
			28-Jun	7-Jul	28-Jun	16-Jul	22-Aug	
			----% injury----		----% control----		bu/A	lb/bu
Untreated			0	0	0	0	16.0	55.9
Everest 2.0 ^a	23g	2-3 leaf	1	0	90	99	30.6	58.5
ARY-0454-107 ^c	139g + 1%	2-3 leaf	4	0	90	99	30.8	59.0
Everest 2.0 + WM ^e + MCPe ^d	23g + 210g + 280g	4-leaf	0	0	85	95	30.2	58.8
Everest 2.0 ^a	23g	4-leaf	0	0	83	98	29.7	59.0
ARY-0454-107 ^c	139g + 1%	4-leaf	0	0	87	99	29.6	58.9
Everest 2.0 ^a	30.6g	4-leaf	2	0	87	99	30.2	58.3
Raze ^b	123g	4-leaf	0	0	85	99	31.7	58.7
Raze ^b	158g	4-leaf	0	0	84	99	30.6	58.1
Raze + 2,4-De ^d	123g + 420g	4-leaf	0	0	80	94	32.0	58.7
Raze + Bronate ^d	123g + 560g	4-leaf	0	0	81	87	32.9	59.2
Axial XL + Supremacy	60g + 109g	4-leaf	0	0	94	99	31.3	58.7
GoldSky ^c	117g	4-leaf	7	0	85	99	30.0	58.7
Wolverine	329g	4-leaf	0	0	33	28	25.1	58.5
LSD (0.05)			2	NS	8	5	4.5	NS
CV			110	0	6	3	9	2

^aApplied with Supremacy (109g) + Basic Blend (1%)

^bApplied with ARY-0546-001 (15.8g) + ARY-0547-001 (5.25g) + Basic Blend (1%)

^cApplied with Basic Blend (1%)

^dApplied with Basic Blend (0.5%)

^eWM = WideMatch