

## Yellow foxtail control with Puma, Discover, and Everest tank mixes (2002)

Ben durum was seeded May 3 into 6-inch rows at 110 lb/A. Individual plots were 10 x 30 ft and replicated three times. Treatments were applied postemergence on June 5 to 4-leaf, 2-tiller wheat. The primary weeds were kochia (Kocz), wild buckwheat (Wibw), common lambsquarters (Colq), and yellow foxtail (Yeft). Chlorosis (Chlor), and growth reduction (Growth red) were evaluated in addition to durum injury.

Treatment <sup>a</sup>	Rate	Durum						Yield Aug 19 bu/A
		Yeft control		Chlor	Growth red	Injury		
		Jun 22	Jul 5	Jun 15	Jun 22	Jul 5		
		————— % —————						
Untreated		0	0	0	0	0	0	31
Puma <sup>b</sup>	0.66 pt	93	92	16	0	11	6	34
Puma + Bronate	0.66 pt + 0.8 pt	78	70	9	0	5	1	37
Puma + Bronate + Starane	0.66 pt + 0.6 pt + 0.33 pt	88	80	8	0	3	1	38
Puma + Harmony GT + Starane	0.66 pt + 0.3 oz + 0.33 pt	83	75	9	0	4	1	35
Discover <sup>b</sup>	3.2 fl oz	92	84	3	0	4	0	37
Discover + Bronate	3.2 fl oz + 0.8 pt	85	79	3	0	1	0	35
Discover + Bronate + Starane	3.2 fl oz + 0.6 pt + 0.33 pt	85	72	4	0	0	0	38
Discover + Harmony GT + Starane	3.2 fl oz + 0.3 oz + 0.33 pt	53	28	2	0	1	0	34
Everest + 2,4-D Ester <sup>b</sup>	0.6 oz + 0.75 pt	87	80	9	13	20	12	35
Everest + Bronate	0.6 oz + 0.8 pt	72	40	6	15	16	11	34
Everest + Bronate + Starane	0.6 oz + 0.6 pt + 0.33 pt	74	50	6	15	18	11	34
Everest + Harmony GT + Starane	0.6 oz + 0.3 oz + 0.33 pt	74	54	7	15	16	9	32
LSD (0.05)		9	17	3	1	3	3	NS
CV		7	16	24	11	23	36	10

<sup>a</sup>Discover treatments were applied with Score at 0.8% v/v, Everest treatments were applied with NIS at 0.25% v/v, and Bronate = Bronate Advanced 5 EC.

<sup>b</sup>Treatments were followed by Harmony GT plus MCPA ester plus Starane at 0.33 oz + 0.75 pt + 0.5 pt/A, respectively, on June 14.

Puma, Discover, and Everest caused slight chlorosis that remained visible for several weeks. Everest caused slight to moderate stunting throughout the season. All treatments provided excellent control of kochia, wild buckwheat, and lambsquarters. Tank mixing broadleaf herbicides with Puma, Discover, or Everest resulted in slight to severe antagonism of yellow foxtail control. Yellow foxtail was dense and very competitive early; however, dry conditions caused yellow foxtail to wilt and be less competitive in July and August. Wheat yields in Everest treatments did not differ significantly from the Puma or Discover treatments despite the higher injury ratings.