

### **Broadleaf weed control in durum (2000)**

Durum was seeded May 24 at 100 lb/A into 6 inch rows in a conventional tillage system. Individual plots were 10 by 30 ft arranged in a RCBD with three replicates. Treatments were applied with a CO<sub>2</sub> pressurized bicycle sprayer on June 23. XR8001 flat fan nozzles were used, delivering 10 gpa at 40 psi. Durum was harvested September 12.

Treatment <sup>a</sup>	Rate	Kocz control		Yield	Tst Wt
		Jul 20	Aug 21		
		%		lb/A	lb/bu
Starane	0.25 oz ai	74	78	42	57.2
Starane	0.5 oz ai	87	94	39	57.0
Starane	1 oz ai	96	100	43	58.0
Starane	1.5 oz ai	99	100	40	57.7
Starane	2 oz ai	100	100	45	57.4
Harmony Extra + Bronate	0.3 oz + 1 pt	100	100	42	57.7
Starane+Sword (MCPA)	1.125 pt	98	100	41	57.8
Clarity	4 fl oz	63	50	40	57.3
Clarity + MCPA ester	3 fl oz + 0.5 pt	98	100	43	57.7
Bronate	1.5 pt	100	100	43	57.3
Aim	0.333 oz	98	93	37	57.3
Aim + Clarity	0.333 oz + 3 fl oz	100	100	39	57.2
Aim + Starane + Salvo (2,4-D)	0.333 oz + 1 pt	100	100	43	57.5
Aim + Harmony Extra	0.333 oz + 0.3 oz	95	91	39	57
Untreated		0	0	42	57.6
LSD		7	11	NS	NS
CV		5	7	17	1.3

<sup>a</sup>Aim was applied with 0.25% Activator 90 and 1 qt 28% N.

We compared several rates of Starane and other herbicides for kochia control in durum wheat. Starane at 0.5 oz ai or higher provided good to excellent kochia control. All other treatments except for Clarity alone also controlled kochia. Aim caused the typical speckling on the wheat leaves when applied alone or in combination with Clarity or Starane plus 2,4-D. However, the leaf speckling was not observed when combined with Harmony Extra.