

**Study Name:** Kochia control with Starane and other postemergence herbicides

**Study Number:** 9915

**Objectives:** Evaluate various herbicides for control of kochia

**Results:**

We intended to evaluate the treatments in a spring wheat field. However, the May rains wouldn't let us in the field. After we finally got into the field and seeded the wheat, we did not get another kochia population to emerge. We eventually found a light kochia population in an oat field, thus the treatments were applied later than normal. We did not take injury ratings or yield on the oats.

We had good soil moisture at application time and fairly high humidity. The oat crop was excellent and helped to shade out the kochia later on in the season. Kochia response to Starane was generally consistent. The highest rate generally took the kochia to the ground, whereas kochia at the lightest rate was still erect, but did not get more than 6-inches tall all season. Kochia control with Bronate, Bison, Bison/Sterling was excellent.

Table. Kochia control with Starane and other postemergence herbicides

Treatment	Rate	Kochia	
		-----% control-----	
		Jul 21	Aug 31
Starane	0.25 oz ai	73	74
Starane	0.5 oz ai	80	77
Starane + Activator 90	0.5 oz ai + 0.25%	85	86
Starane + Quad 7	0.5 oz ai + 1%	85	79
Starane	1 oz ai	93	92
Starane	1.5 oz ai	92	93
Starane	2 oz ai	94	97
Starane + 2,4-D ester	1.5 oz ai + 0.75 pt	95	89
Clarity + MCPA amine	3 fl oz + 0.5 pt	87	84
Harmony Extra + 2,4-D ester + Clarity	0.3 oz + 0.5 pt + 2 fl oz	92	96
Bronate	1 pt	99	99
Bison	1.5 pt	99	99
Sterling + MCPA ester	4 fl oz + 0.75 pt	92	95
Bison + Sterling	1 pt + 2 fl oz	99	100
Untreated		0	0