

Kochia Control with Vista at Scottsbluff, Nebraska During the 2008 Growing Season.

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A field study was initiated near Scottsbluff, Nebraska to compare Vista and Starane for kochia control. The experimental design was a randomized complete block with four replications. Plots were 11 feet wide by 25 feet long and were located on a sandy loam soil with a pH of 7.8 and organic matter of 4.3%. Treatments were applied on June 13 when kochia were 12 inches tall. On the day of application air temperatures were 77 F, humidity was 18%, wind was out of the northwest at 8 mph, and spraying occurred from 2 to 4 pm. Herbicides were applied with a backpack sprayer calibrated to deliver 20 gallons of water per acre at 36-psi pressure with Spraying Systems 11002 VS nozzles.

All the herbicide treatments provided excellent control of kochia (Table 1). Starane and Vista in combination with methylated seed oil (MSO) or Activator 90 surfactant provided similar kochia control.

Table 1. Kochia Control with Vista during the 2008 Growing Season.

Treatment	Rate (lbs/acre)	Time of application 6/13	Kochia visual injury
			8/1 ----- (%) -----
Nontreated	—	—	0
Vista MSO	0.187 1qt/acre	12 inch Kochia	100
Starane MSO	0.187 1qt/acre	12 inch Kochia	100
Vista Activator 90	0.187 0.25%	12 inch Kochia	100
Starane Activator 90	0.187 0.25%	12 inch Kochia	99
Vista MSO	0.25 1qt/acre	12 inch Kochia	99
Starane MSO	0.25 1qt/acre	12 inch Kochia	99
Vista Activator 90	0.25 0.25%	12 inch Kochia	100
Starane Activator 90	0.25 0.25%	12 inch Kochia	100
Vista 2,4-D MSO	0.25 1.0 1qt/acre	12 inch Kochia	100
Starane 2,4-D MSO	0.25 1.0 1qt/acre	12 inch Kochia	100
Vista 2,4-D Activator 90	0.25 1.0 0.25%	12 inch Kochia	100
Starane 2,4-D Activator 90	0.25 1.0 0.25%	12 inch Kochia	99
LSD at 5%			2