

**Study Name:** Efficacy of Starane Hi-Load formulation (GF-1784) on spring wheat (0714)

**Objectives:** Compare new Starane formulation containing more active ingredient to traditional Starane

**Results:**

GF-1784 is a new Starane formulation that contains more active ingredient per gallon. Dow AgroSciences is developing this new formulation. GF-1784 performed similar to Starane. The formulations provided excellent kochia control and similar control of lambsquarters and pigweed. Starane alone does not provide adequate control of lambsquarters or pigweed. All treatments provided similar wheat yield and test weight.

Treatment <sup>a</sup>	Rate	Kocz <sup>b</sup>		Colq <sup>b</sup>		Rrpw <sup>b</sup>		Yield	Test wt.
		% control Jun 23	% control Aug 6	% control Jun 23	% control Aug 6	% control Jun 23	% control Aug 6	bu/A Aug 9	lb/bu Aug 9
GF-1784	105 G AE/HA	96	98	7	37	7	37	36.0	62.5
Starane	105 G AE/HA	96	100	7	20	7	20	37.4	62.4
GF-1784 + Affinity TM + NIS	105 G AE/HA + 21.0 G A/HA + 0.25 % V/V	96	100	94	99	93	100	36.6	61.2
Starane + Affinity TM + NIS	105 G AE/HA + 21.0 G A/HA + 0.25%	99	100	96	100	96	100	36.7	61.3
GF-1784 + Bronate Adv	70 G AE/HA + 560 G AE/HA	99	100	100	100	85	97	37.1	61.4
Starane + Bronate Adv	70 G AE/HA + 560 G AE/HA	99	100	100	100	83	95	36.5	61.2
Untreated		0	0	0	0	0	0	36.5	61.5
LSD		2.9	2.3	11.1	25.8	14.5	25.2	NS	NS
CV		2.6	1.5	10.9	22.2	15.4	22.1	6.3	0.96

<sup>a</sup> All treatments applied at 4-leaf wheat

<sup>b</sup> Kocz = Kochia; Colq = Common lambsquarters; Rrpw = Redroot pigweed