

Kochia control with Huskie FX in spring wheat, Carrington, 2023.

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The field experiment was conducted at the NDSU Carrington Research Extension Center in cooperation with Bayer CropScience to examine kochia efficacy in hard red spring wheat (HRS) with Huskie FX (bromoxynil&fluroxypyr&pyrasulfotole&mefenpyr safener). Experimental design was a randomized complete block with three replicates. 'Glenn' HRS wheat was seeded into the previous year's wheat residue on May 23. Herbicide treatments were applied with a CO₂-hand-boom plot sprayer delivering 10 gal/A at 35 psi through TJ XR 80015VS nozzles to the center 6.7 ft of 10- by 25-ft plots on June 1 with 63 F, 95% RH and 3 mph wind to 1- to 4-leaf wheat and primarily 0.5- to 2-inch tall kochia. The sequential treatment (no. 7) was applied June 14 with 82 F, 41% RH and 7 mph wind to primarily \leq 2-inch tall kochia.

Wheat plant injury was absent when visually evaluated June 9. Kochia control (Table) visually evaluated 8 days after trt (DAT) was good to excellent (83-95%) with Huskie FX at 18 fl oz and Talinor. Huskie FX followed by Starane NXT (applied 2 wk after initial trt) provided 98% control of kochia 12 and 42 DAT.

Table.					
Herbicide			Kochia control		
No.	Treatment	Rate fl oz product/A	9-Jun	26-Jun	26-Jul
1	Untreated check	x	0	0	0
2	Huskie FX	15.5	79	76	60
3	Huskie FX	18	85	80	74
4	WideARmatch + MCPA ester	14 + 8	70	68	57
5	Talinor + CoAct+	13.7 + 2.75	83	71	60
6	Bromac	16	55	56	47
7	Huskie FX/Starane NXT	18/21	95	98	98
C.V. (%)			12.2	9.8	19.3
LSD (0.10)			15	11	19