

2012 Starane Flex and tank mixes compared to Huskie in HRSW, Bowman, ND.

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'Glenn' hard red spring wheat was no-till seeded on 2 Apr 2012 in a field that had grown sunflower in 2011. On 11 May the temperature fell to an estimated 19°F at this location delaying the application of herbicides. Starane Flex (florasulam + fluroxypyr), Starane Flex + MCPA Ester, Starane Flex + 2,4-D Ester, and Huskie (pyrasulfotole + bromoxynil) with ammonium sulfate were applied to assigned treatments in a randomized complete block design on 31 May. Crop stage on this date was 5 to 5 ½ leaves. Emerged kochia (koc) was 1-2 inches tall, wild buckwheat (wbw) was 1 inch, volunteer sunflower was VE-V2 and Russian thistle (rt) and red root pigweed (rrpw) were emerging. Weather conditions at the time of application were air temperature = 66°F, relative humidity at 75% with a wind from the northwest at 10 mph. No crop injury was observed during the trial. Weed control was scored visually 22 and 43 days after application. Harvest occurred on 2 Aug. Volunteer sunflower and Russian thistle was controlled by all herbicide treatments used. Dow AgroSciences provided financial support for this trial. Thanks to Miles Hansen for proving the use of this plot area.

Treatment	---- 29 Jun ----			---- 20 Jul ----			----- Grain -----		
	wbw	koc	rrpw	wbw	koc	rrpw	Yield	Test wt	Protein
	----- % control -----						bu/acre	lb/bu	%
Untreated Check	0	0	0	0	0	0	31.5	51.7	17.9
Starane F	81	95	90	80	95	85	41.3	54.8	18.0
Starane F + MCPA	90	91	95	80	90	80	38.0	54.1	17.9
Starane F + 2,4-D	90	99	100	85	95	100	40.5	56.2	18.0
Huskie	100	100	100	100	100	100	41.8	56.7	17.1
Mean	72.3	77	77	69	76	73	38.6	54.7	17.8
CV%	3.9	5.1	3.4	4.6	3.8	3.5	13.7	2.6	2.4
LSD 0.05	4.3	6.1	4.0	4.9	4.4	4.0	NS	2.17	0.65