

Table 6. Comparison of postemergence herbicide combinations for weed control in spring wheat at Hettinger, ND 2022.

Treatment	Rate oz/A	Kochia		Wild buckwheat		Common mallow		Yield BU/A LB/A
		15 DAT	30 DAT	15 DAT	30 DAT	15 DAT	30 DAT	
Untreated		0 h	0 g	0 h	0 g	0 f	0 d	66 -
Starane Ultra	0.33	75 g	82 f	71 g	86 def	55 e	58 c	71 -
OpenSky	16	78 fg	86 ef	77 fg	95 abc	85 d	90 b	64 -
Quelex	0.75	80 d-g	92 a-e	79 def	90 b-e	93 a-d	100 a	62 -
Starane Ultra	5.3							
Quelex	0.75	80 efg	92 a-e	77 efg	86 def	93 a-d	100 a	67 -
OpenSky	16							
WideMatch	21.3	84 a-e	93 a-d	84 cd	94 abc	93 a-d	93 ab	59 -
WideMatch	21.3	84 b-e	88 def	88 bc	98 a	88 cd	100 a	49 -
MCPE	8							
WideMatch	21.3	85 a-d	91 a-e	83 c-f	98 a	91 bcd	96 ab	59 -
Quelex	0.75							
PerfectMatch	16	82 c-f	87 def	82 c-f	96 ab	91 bcd	95 ab	64 -
Supremacy	4	85 a-e	89 c-f	83 c-f	86 ef	96 abc	100 a	54 -
Talinor	13.7	85 a-d	87 def	88 bc	87 c-f	94 abc	98 ab	68 -
Huskie Complete	13.7	89 a	92 a-e	92 ab	89 b-e	98 ab	100 a	70 -
Huskie FX	18	88 ab	98 a	97 a	98 a	99 ab	100 a	63 -
Carnivore	1	89 ab	95 ab	91 ab	95 abc	97 ab	100 a	65 -
Bison	5.3	87 abc	95 abc	84 cde	81 f	100 a	100 a	54 -
Bison	5.3	84 b-e	90 b-e	83 c-f	93 a-d	99 ab	100 a	59 -
Starane Ultra	0.33							
LSD P=.10		5.53	6.53	6.54	7.46	8.35	9.72	12.42
CV		5.94	6.49	7	7.33	8.21	9.17	16.81
Treatment Prob(F)		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.1863

\*Abbreviations: BU/A, bushels per acre.

Application Description	Application Equipment
Application Date	6/13/2022
Equipment Type	SPRBAC
Appl. Start Time	2:10 PM
Operation Pressure	30 PSI
Appl. Stop Time	2:55 PM
Nozzle Model	XR8001
Application Method	SPRAY
Nozzle Type	FLAFAN
Application Timing	POSPOS
Nozzle Spacing	19 IN
Application Placement	BROADC
% Coverage	100
Applied By	DGA, CDD
Boom Length	76 IN
Appl. Entry Date	6/15/2022
Boom Height	25.0 IN
Air Temperature Start, Stop	69.1, 68 F
Ground Speed	2.56 MPH
% Relative Humidity Start, Stop	81.2, 86.1
Carrier	WATER
Wind Velocity+Dir. Start	0.7 MPH, NNW
Application Amount	10 GAL/AC
Wind Velocity+Dir. Stop	3.7 MPH, N
Mix Size	2.0 L
Wind Velocity+Dir. Max	6.9 MPH, N
Propellant	CO2
Wet Leaves (Y/N)	N, no
Tank Mix (Y/N)	Yes
Soil Temperature	66 F
Soil Moisture	EXCELL
% Cloud Cover	100
Next Moisture Occurred On	6/13/2022
Moisture 6 Hours after Appl.	0.15
Moisture 1 Week after Appl.	0.89 IN
Appl. Stop Time	2:55 PM

\*Abbreviations: SPTRMO, tractor mounted sprayer.