

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Winter Wheat Dryland Varietal Trial - MSU[†]: Williston, ND

2015

Cultivar	Origin	Year of release	Yield (bu/a)	Test weight (lb/bu)	Winter survival (%)	Protein [‡] (%)
Yellowstone	Montana	2005	64.2	60.7	92.5	12.5
Broadview	Alberta	2009	58.1	60.6	95.0	11.4
CDC Falcon	Sask/WestBred	1999	54.8	60.9	93.5	12.5
WB3768	Montana/WestBred	2013	53.2	61.5	90.0	12.1
Jerry	North Dakota	2001	52.3	59.6	98.0	12.9
Northern	Montana	2015	50.6	60.9	85.0	11.7
Byrd	Colorado	2011	49.3	61.2	87.5	13.3
Colter	Montana	2013	48.4	61.5	90.0	12.8
Decade	Montana/North Dakota	2010	47.8	61.6	77.5	14.7
Genou	Montana	2004	47.6	61.6	82.5	12.9
WB-Quake	WestBred	2011	47.3	61.2	75.0	13.5
SY Clearstone 2CL	Montana/Syngenta	2012	45.7	61.2	72.5	12.1
Ledger	WestBred	2004	45.5	61.3	72.5	12.6
Freeman	Nebraska	2013	45.1	58.5	72.5	14.0
WB4614	WestBred	2013	44.0	61.6	77.5	12.4
Bearpaw	Montana	2011	43.0	60.6	72.5	13.5
Warhorse	Montana	2013	40.8	59.9	77.5	12.0
SY Monument	Syngenta (AgriPro)	2014	40.8	60.0	75.0	13.2
Denali	Colorado	2011	39.8	61.3	75.0	11.9
SY Wolf	Syngenta (AgriPro)	2010	35.9	61.4	55.0	13.4
T158	Trio Research/Limagrain Cereals	2009	35.6	60.9	60.0	12.8
Rampart	Montana	1996	33.0	61.0	70.0	13.9
LCS Mint	Limagrains Cereals	2012	29.9	63.0	28.5	12.6
Cowboy	Wyoming/Colorado	2012	28.7	61.3	27.5	12.0
Keldin	WestBred	2011	28.1	61.4	28.0	15.0
Judee	Montana	2011	27.9	60.6	40.0	15.7
Brawl CL Plus	Colorado	2011	25.5	62.0	52.5	14.3
WB4059CLP	WestBred	2013	21.6	60.1	30.0	14.5
WB4623CLP	WestBred	2014	14.4	57.8	16.0	15.4
Mean			41.3	60.8	67.9	13.2
CV (%)			15.8	1.1	15.2	
LSD (5%)			13.7	1.3	21.8	
LSD (10%)			11.4	1.1	18.2	

Location of the WREC: Latitude 48° 8' N; Longitude 103° 44' W; Elevation 2105 ft
Planted: 09/18/2014

Applied fertilizers in lb/a: N = 8; P₂O₅ = 36

Soil test (0-6"): NO₃-N=15 lb/a; P=24 ppm; K=335 ppm; pH=6.4; OM=1.8 %
(6-24"): NO₃-N=60 lb/a

Previous crop: Green Peas

Harvested: 07/25/2015

Soil type: Williams-Bowbells loam

[‡]Reported on a 12% moisture basis

[†]MSU = Montana State University