

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Winter Wheat Dryland Variety Trial - NDSU

WREC, Williston, ND 2016

Variety	Origin	Year of release	Days to heading	Plant height	Fall stand	Spring stand	Protein [†]	Test weight	Yield		
									2016	2-Yr Avg	3-Yr Avg*
			(julian)	(in)	(%)	(%)	(%)	(lb/bu)	(bu/a)	(bu/a)	(bu/a)
AAC Gateway	Canada	2012	148	19.4	93	93	13.3	59.1	39.6	41.5	-
Accipiter	CDC	2008	151	21.9	92	91	12.5	58.1	43.2	46.8	44.3
AC Broadview	Canada	2008	149	18.7	96	96	12.6	57.2	43.0	48.7	48.6
CDC Chase	CDC	2013	148	24.6	97	97	13.0	59.5	45.4	46.0	-
Colter	MT	2013	149	25.3	94	88	12.3	57.1	50.3	50.4	-
Decade	MT/ND	2010	147	21.7	95	94	12.9	58.2	47.8	47.7	41.6
Emerson	Canada	2011	150	19.4	96	96	14.1	58.9	37.8	42.5	-
Flourish	Canada	2010	147	18.9	95	93	13.4	57.5	40.1	36.3	33.9
Ideal	SD	2011	148	19.0	95	94	13.4	57.8	42.6	44.3	40.9
Jerry	ND	2001	149	23.7	95	95	12.8	56.3	42.0	48.7	48.7
Lyman	SD	2008	147	21.1	96	95	13.4	58.0	46.2	48.0	42.2
Moats	Canada	2010	151	24.3	91	90	12.7	57.9	43.8	44.9	48.4
Northern	MT	2015	151	21.0	97	97	12.9	58.2	42.7	47.6	-
Overland	NE	2006	147	22.1	90	90	12.8	57.6	45.4	45.6	40.2
Peregrine	CDC	2008	150	25.8	91	90	10.6	59.2	48.7	47.3	44.1
Redfield	SD	2013	147	21.8	93	93	11.9	58.9	46.2	46.3	-
SY Monument	Agripro	2014	147	20.1	94	94	10.9	57.2	50.3	-	-
SY Sunrise	Agripro	2015	147	15.6	94	94	13.8	57.9	43.4	-	-
SY Wolf	Agripro	2010	147	20.9	98	97	11.6	58.9	50.8	44.6	38.1
WB Matlock	WB	2010	149	22.9	97	97	12.9	57.2	42.2	47.1	42.8
WB4614	WB	2013	147	20.1	99	98	13.1	55.7	40.0	46.2	-
Mean			148	21.3	95	94	12.7	57.8	44.4	-	-
CV (%)			0.3	11.4	3.6	3.7	9.2	0.6	11.2	-	-
LSD (5%)			0.7	8.6	4.8	4.8	1.7	0.5	6.7	-	-
LSD (10%)			0.6	7.2	4.0	4.0	1.4	0.4	5.6	-	-

Location: WREC; Latitude 48° 8' N; Longitude 103° 44' W; Elevation 2105 ft

Previous crop: Lentil

Planted: 9-18-2015

Harvested: 07-24-2016

Soil test (0-6"): P=27 ppm; K=226 ppm; pH=6.6; OM=2.5%

Soil type: Williams-Bowbells loam

(0-24"): NO3-N=24 lb/a

Applied fertilizers in lb/a: N=36; P₂O₅=26; K₂O=0

[†]Portein adjusted to 12% moisture

*Average of years 2013, 2015, and 2016