

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Winter Wheat Dryland Variety Trial - NDSU

WREC, Williston, ND 2017

Variety	Winter Hardiness Rating	Winter Survival (%)	Plant height (in)	Days to heading (julian)	Protein [†] (%)	Test weight ‡ (lb/bu)	Yield#		
							2017 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
WB Matlock	2	97	19.0	156	14.7	59.5	54.5	48.4	49.6
AAC Gateway	3	93	18.6	156	15.5	59.7	41.9	40.7	41.6
Peregrine	2	92	18.4	158	13.3	58.3	49.9	49.3	48.1
Jerry	3	90	18.9	157	15.1	57.9	43.2	42.9	43.9
Accipiter	2	90	16.6	158	10.4	43.6	37.8	40.5	43.8
Redfield	5	88	17.3	155	14.7	59.3	46.5	46.3	46.4
Moats	2	85	19.8	158	14.7	56.0	44.7	44.2	44.8
Broadview	4	84	17.9	157	14.0	58.6	47.4	45.2	48.3
Ideal	5	82	18.7	156	13.8	59.6	45.2	42.7	39.3
CDC Chase	4	77	-	-	-	-	-	-	-
SY Sunrise	5	71	-	-	-	-	-	-	-
Emerson	3	70	-	-	-	-	-	-	-
Lyman	5	69	-	-	-	-	-	-	-
Decade	2	67	-	-	-	-	-	-	-
Flourish	2	67	-	-	-	-	-	-	-
SY Monument	4	67	-	-	-	-	-	-	-
Loma	3	53	-	-	-	-	-	-	-
Oahe	3	46	-	-	-	-	-	-	-
Overland	5	38	-	-	-	-	-	-	-
Northern	6	33	-	-	-	-	-	-	-
SY Wolf	6	28	-	-	-	-	-	-	-
Overland-FHB1	-	25	-	-	-	-	-	-	-
WB4614	3	22	-	-	-	-	-	-	-
Keldin	3	19	-	-	-	-	-	-	-
Mean		65	18.4	156.6	14.0	56.9	45.7	-	-
CV (%)		3.6	7.9	0.3	2.8	0.8	7.7	-	-
LSD (5%)		10.2	2.1	0.7	0.6	0.7	5.3	-	-
LSD (10%)		8.5	1.8	0.6	0.5	0.6	4.4	-	-

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

Previous crop: Peas

Planted: 9-18-2015

Harvested: 07-20-2017

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

[†]Protein adjusted to 12% moisture

[‡]Test weight reported on a 13.5% moisture basis

#Yield reported on a 13.5% moisture basis

Chemical Applications: Goldsky @ 1.0 pt/a (5-12-17)

Relative winter hardiness rating: 1 = excellent, 10 = very poor.