

Spring Wheat McKenzie Variety Trial - NDSU

McKenzie County, ND 2016

Variety	Protein [†] (%)	Test weight [‡] (lb/bu)	Yield [#]	
			2016 (bu/a)	2-Yr Avg (bu/a)
Brennan	13.3	61.9	59.2	47.3
Reeder	12.7	61.6	56.1	46.1
Elgin-ND (ND818)	12.4	61.0	59.8	45.3
Glenn	13.1	63.9	58.4	42.9
Mott	12.2	60.4	53.0	42.4
Barlow	12.8	62.6	50.8	42.0
SY Soren	13.2	61.2	49.3	41.3
Jenna	11.9	59.9	50.4	41.0
Velva	11.8	59.6	44.8	39.3
Prosper	11.6	60.0	52.1	38.8
LCS Pro	11.4	61.7	63.4	-
Faller	11.1	59.9	61.8	-
LCS Prime	11.2	62.2	61.1	-
Egan	13.2	59.5	56.9	-
SY Ingmar	13.1	61.9	56.6	-
SY Rowyn (03S253-7)	12.3	60.4	53.7	-
LCS Iguacu	12.0	60.8	52.3	-
LCS Nitro	12.0	59.0	51.8	-
Rollag	13.8	61.2	49.0	-
Kelby	14.3	61.1	40.8	-
Mean	12.3	61.0	55.1	-
CV (%)	2.7	0.6	8.6	-
LSD (5%)	0.6	0.6	7.7	-
LSD (10%)	0.5	0.5	6.4	-

Location: Arnegard, ND; Latitude 47° 47'N; Longitude 103° 25'W; Elevation 2250 ft

Previous crop: Lentil

Planted: 5/9/2016

Harvested: 8/23/2016

Soil test (0-6"): P=7 ppm; K=235 ppm; pH=7.1; OM=4.2%
(0-24"): NO₃-N=4 lb/a

Soil type: Williams-Belfield-Grail

Applied fertilizers in lb/a: N=96; P₂O₅=21; K₂O=0; S=5[†]Protein adjusted to 12% moisture[‡]Test Weight = Reported on a 13.5% moisture basis[#]Yield = Reported on a 13.5% moisture basis

*Moisture stress caused low yields in 2015, contributing to a low 2 yr. avg.