

Hard Red Spring Wheat Dryland Variety Trial - NDSU

WREC, Williston, ND 2019

Variety	Days to heading (DAP)	Plant height (in)	Protein [†] (%)	Test weight (lb/bu)	Yield [#]		
					2019 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg* (bu/a)
TCG-Spitfire	55	28.9	14.4	61.8	68.9	65.2	53.3
Elgin-ND	54	31.6	14.8	61.7	71.2	65.3	53.1
SY Rockford	54	29.1	14.7	61.3	69.8	62.6	52.8
Shelly	56	27.7	13.8	61.9	68.1	62.9	51.4
Surpass	52	31.6	15.2	61.1	69.9	61.1	50.8
SY Valda	53	26.5	14.3	61.3	69.3	61.2	50.6
LCS Trigger	60	29.5	12.4	62.1	68.1	64.5	50.1
MS Chevelle	53	28.5	13.7	61.8	71.7	60.2	50.0
LCS Rebel	52	27.8	14.7	63.0	68.3	58.8	48.4
NDvitPro	53	28.6	15.7	64.0	60.5	58.7	48.4
MS Camaro	53	24.5	16.5	62.5	62.3	57.2	48.2
Glenn	53	30.2	14.5	64.7	59.8	57.2	47.9
Faller	56	30.1	14.6	60.7	64.5	59.1	47.8
SY Soren	53	26.9	16.2	62.5	61.1	55.2	46.9
LCS Breakaway	52	25.7	15.5	63.1	61.9	56.0	46.8
Barlow	52	31.1	14.6	62.6	59.6	56.0	46.7
Linkert	54	25.9	15.8	62.0	55.9	54.9	45.8
TCG-Climax	58	28.0	17.0	63.1	57.7	55.2	45.3
Boost	56	30.6	15.0	60.9	63.6	51.1	43.8
Bolles	56	30.3	16.7	61.4	61.5	52.4	43.5
Lang-MN	54	27.8	15.5	61.8	62.8	51.2	43.3
SY Ingmar	52	24.7	14.5	62.6	60.0	50.8	43.2
Lanning	54	26.4	15.5	61.7	62.2	62.6	-
AAC Brandon	53	28.0	15.3	62.4	69.2	59.7	-
Prevail	52	30.4	13.7	61.4	64.1	59.5	-
AAC Penhold	52	26.5	13.6	61.7	65.5	59.1	-
AAC Goodwin	54	28.3	14.5	62.3	66.9	58.9	-
LCS Cannon	51	25.1	15.0	62.6	60.8	55.8	-
MS Barracuda	52	24.8	14.2	61.9	61.4	52.9	-
CP3504	54	27.0	13.7	60.6	69.4	-	-
SY McCloud	53	28.9	16.8	63.2	67.6	-	-
Dyna-Gro Commander	53	25.5	15.2	62.2	67.5	-	-
CP3910	52	25.2	15.1	62.5	67.5	-	-
Dyna-Gro Ambush	52	28.0	14.9	62.8	67.2	-	-
TCG-Stalwart	53	27.3	16.7	60.8	66.0	-	-
SY Longmire	52	26.5	15.6	63.0	65.7	-	-
CP3616	53	27.2	16.9	61.6	64.5	-	-
CP3915	53	27.0	15.9	62.6	64.0	-	-
Mott	54	32.9	16.1	61.9	63.5	-	-
TCG-Heartland	52	25.2	16.0	63.5	61.3	-	-
CP3530	54	31.0	14.5	61.4	60.8	-	-
CP3888	53	26.8	15.5	61.2	59.6	-	-
CP3939	53	29.0	14.8	62.7	58.6	-	-
MN Washburn	54	26.4	14.6	61.7	58.3	-	-
Mean	53	28.1	15.2	62.1	64.3	-	-
CV (%)	1.3	5.2	5.7	0.5	7.0	-	-
LSD (5%)	1.1	2.4	1.4	0.5	7.3	-	-
LSD (10%)	0.9	2.0	1.2	0.4	6.1	-	-

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

Previous crop: Soybeans

Planted: 5/8/2019

Harvested: 08/21/2019

Soil test to 6" in ppm: OM=2% pH=5.7

Soil type: Williams-Bowbells loam

Soil test to 24" in lb/a:

Applied fertilizers in lb/a: (60 lbs of MESZ with seed, 135 lbs of Urea broadcast at planting)

[†]Protein adjusted to 12% moisture

*Average of years 2017, 2018, and 2019

Herbicide Applications: Valor @ 3 oz/a with LV6 @ 1pt/a (10/22/18) ;

Supremacy @ 5 oz/a with Axial XL @ 16 oz/a (6/13/2019)