

## Spring Wheat Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2020

Variety	Plant Height (in)	Days to Head (DAP*)	Lodging (0 - 9 <sup>+</sup> )	Protein <sup>†</sup>			Test Weight (lb/bu)	Yield		
				2020 (%)	2-Yr Avg (%)	3-Yr Avg (%)		2020 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
TCG Spitfire	26	59	0	16.1	15.3	15.1	61.8	76.9	86.6	92.2
LCS Trigger	29	62	0	14.1	13.7	13.7	62.6	83.7	87.9	89.0
Lanning	27	55	1	17.4	16.5	16.5	61.1	88.7	88.8	88.9
SY Ingmar	27	57	0	17.1	16.2	16.1	62.5	76.4	90.7	88.7
LCS Rebel	30	54	2	17.1	16.1	16.2	63.3	77.4	87.5	87.6
MS Chevelle	26	53	2	16.4	15.1	15.2	61.9	79.0	86.6	87.1
CP3419	27	60	0	16.2	15.2	15.1	61.3	75.9	82.5	85.7
CP3530	29	59	0	16.1	15.5	15.7	61.4	83.6	84.9	85.3
SY Rockford	29	58	0	16.1	16.1	15.9	60.0	86.3	82.9	85.1
Faller	28	58	1	16.7	15.3	15.2	60.9	79.6	85.2	84.8
Prosper	29	59	0	16.1	15.5	15.6	61.6	79.1	87.0	84.7
SY Soren	26	56	0	17.2	16.1	16.3	61.8	71.8	88.2	84.2
LCS Cannon	28	52	2	16.8	15.9	16.0	63.3	76.8	89.6	84.2
Redstone	26	52	2	17.0	15.9	15.5	61.3	68.6	80.9	83.9
Mott	30	59	0	16.4	15.9	16.2	61.6	75.0	81.0	83.1
Glenn	35	54	1	17.3	16.5	16.5	63.8	76.4	82.4	82.5
Elgin-ND	30	56	1	17.0	16.4	16.4	61.6	76.4	80.8	81.2
LCS Breakaway	27	53	0	17.3	15.7	16.1	62.7	71.6	84.8	80.4
ND-VitPro	30	55	1	17.7	16.6	16.6	63.3	75.9	80.2	79.0
Bolles	29	59	0	18.9	17.9	18.0	60.5	63.0	78.3	78.0
TCG Climax	27	61	0	18.4	17.8	17.7	63.4	64.6	76.0	77.8
MS Camaro	27	54	0	16.9	16.1	16.6	61.1	70.2	81.1	76.6
Dyna-Gro Commander	27	54	1	16.6	15.7	-	62.3	75.7	91.3	-
SY McCloud	28	55	0	17.4	16.4	-	62.4	75.5	90.8	-
Dyna-Gro Ambush	29	54	0	17.0	16.0	-	62.7	79.3	90.7	-
CP3888	26	57	0	16.3	15.6	-	61.3	78.8	89.2	-
TCG Heartland	25	52	1	17.2	16.4	-	63.2	79.1	89.1	-
MS Barracuda	27	52	1	17.8	16.7	-	61.5	72.4	87.5	-
SY Longmire	27	55	1	17.4	16.4	-	62.4	76.6	85.1	-
TCG Stalwart	25	56	0	17.2	17.4	-	61.0	69.8	72.0	-
Dagmar	30	54	2	17.2	-	-	62.3	84.1	-	-
MN-Torgy	30	56	0	17.2	-	-	62.1	83.2	-	-
CP3910	27	52	1	17.4	-	-	63.0	80.4	-	-
MS Rancho	30	55	0	16.2	-	-	61.8	79.8	-	-
ND-Frohberg	29	56	0	16.7	-	-	62.3	79.6	-	-
MN-Washburn	27	58	0	16.5	-	-	61.4	77.8	-	-
Ballistic	29	57	0	16.7	-	-	60.8	77.5	-	-
8432	27	52	1	17.4	-	-	62.9	77.2	-	-
Driver	27	58	0	16.7	-	-	62.9	76.9	-	-
CP3915	26	56	1	16.9	-	-	62.8	76.4	-	-
AP Murdock	25	57	0	17.3	-	-	61.5	70.9	-	-
TCG Wildcat	27	57	0	17.7	-	-	62.3	70.6	-	-
<b>MEAN</b>	27.8	55.8	0.5	16.93	16.06	16.00	62.04	76.63	84.98	84.09
<b>C.V. (%)</b>	6.7	2.1	94.9	3.67	-	-	0.63	9.01	-	-
<b>LSD (5%)</b>	2.6	1.6	0.6	1.01	-	-	0.63	9.66	-	-
<b>LSD (10%)</b>	1.3	1.3	0.5	0.85	-	-	0.53	8.09	-	-

\* Days after planting † 0: no lodging - 9: plants lying flat on the ground † Protein content adjusted to 12% moisture

Location: Latitude 48 9.9222°N; Longitude 103 6.132°W

Elevation: 1902 ft

Soil test (0-6 in.): P=18 ppm; K=216 ppm; pH=7.7; OM=2.4 %

Previous crop: Field Pea

(0-24 in.): NO3-N=21 lb/a

Planted: 4/27/2020

Yield goal: 90 bu/a

Harvested: 8/18/2020

Planting population: 1.5 million seeds/a

Soil type: Lihen Loamy Fine Sand

Fertilizer applied: 330 lb/a of Urea (46-0-0) [4/30]

Plot size: 92ft<sup>2</sup>

Herbicides applied: Perfect Match (1pt/a), Class Act (2qt/100gal) [5/26]

Rainfall: 4.7 inches [4/27 - 8/18]

Fungicide applied: Prosaro 421 (8oz/a) [6/29]

Irrigation: 11.85 in [4/27 - 8/18]