

Spring Wheat Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2019

Variety	Plant Height (in)	Days to Head (DAP*)	Lodging (0 - 9*)	Protein†			Test Weight (lb/bu)	Yield		
				2019 (%)	2-Yr Avg (%)	3-Yr Avg (%)		2019 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
TCG-Spitfire	34	68	0	14.0	14.1	14.0	57.7	96.4	99.9	105.3
SY Ingmar	33	66	0	14.9	15.2	15.2	61.8	105.0	94.9	100.4
Redstone	34	60	1	14.4	14.4	14.7	59.4	93.1	91.5	97.6
SY Soren	33	63	0	14.6	15.4	15.3	60.9	104.6	90.4	97.3
LCS Trigger	37	70	0	13.0	13.1	13.3	57.3	92.1	91.6	97.3
Faller	35	66	1	13.6	14.0	14.2	58.4	90.8	87.3	97.2
MS Chevelle	33	62	0	13.5	14.1	14.2	58.3	94.1	91.1	97.2
SY Valda	34	65	0	13.8	14.3	14.4	59.0	94.0	89.4	97.1
Prestige	36	69	0	13.8	14.0	14.1	57.5	90.5	92.0	96.4
Prosper	37	66	0	14.5	14.9	14.8	59.6	94.9	87.5	96.3
CP3504	32	66	0	13.9	14.4	14.4	57.3	99.9	92.7	96.2
CP3419	35	75	0	13.8	14.0	14.1	55.8	89.1	90.6	95.5
Surpass	35	62	0	14.5	15.0	14.9	59.9	99.2	87.4	95.0
SY Rockford	36	67	0	15.6	15.4	15.2	56.7	79.5	84.5	94.8
LCS Rebel	37	61	1	14.6	15.3	15.6	61.1	97.5	92.7	94.8
Velva	37	65	1	14.5	14.9	15.0	58.3	92.3	89.0	93.2
Linkert	31	64	0	15.4	15.9	15.8	59.7	89.7	83.7	92.9
Bolles	35	67	0	16.3	17.0	17.0	58.7	93.6	85.5	92.9
Reeder	36	65	0	15.5	15.9	15.8	59.0	84.4	84.5	92.6
Mott	39	66	0	14.9	15.6	15.8	59.1	87.0	87.2	92.3
CP3530	37	67	1	14.4	15.0	15.1	58.2	86.1	86.2	92.1
Elgin-ND	38	65	1	15.3	15.6	15.5	59.1	85.2	83.6	90.3
Barlow	37	62	2	15.2	15.8	15.8	61.5	91.9	84.2	90.1
TCG-Climax	37	69	0	16.6	16.8	16.9	59.9	87.5	84.3	89.8
Glenn	38	61	0	15.3	15.6	15.9	62.9	88.4	85.6	89.8
Steele-ND	36	64	2	14.5	15.2	15.3	58.8	77.8	80.2	89.1
MS Camaro	32	63	0	14.9	15.9	15.9	60.0	91.9	79.9	89.1
ND-VitPro	35	62	0	15.0	15.6	15.6	62.1	84.4	80.5	87.9
Boost	37	67	0	14.5	15.2	15.4	57.9	84.9	81.9	86.6
Lanning	34	63	0	15.3	15.7	-	57.3	88.9	89.0	-
LCS Cannon	33	59	1	14.6	15.1	-	62.1	102.4	87.8	-
SY Rowyn	34	65	2	14.2	14.6	-	58.7	91.7	86.0	-
LCS Breakaway	33	62	0	13.8	15.1	-	61.4	98.0	84.8	-
Dyna-Gro Commander	34	62	0	14.4	-	-	60.8	107.0	-	-
SY McCloud	35	62	0	14.9	-	-	61.8	106.1	-	-
MS Barracuda	32	61	0	15.2	-	-	60.4	102.5	-	-
Dyna-Gro Ambush	34	63	0	14.6	-	-	61.5	102.0	-	-
CP3888	34	64	0	14.4	-	-	59.5	99.6	-	-
TCG-Heartland	32	62	0	15.1	-	-	61.3	99.2	-	-
SY Longmire	33	65	0	14.9	-	-	60.7	93.7	-	-
TCG-Stalwart	33	63	0	17.0	-	-	56.1	74.2	-	-
MEAN	34.8	64.4	0.3	14.71	15.10	15.14	59.45	92.95	87.50	94.03
C.V. (%)	3.3	4.0	199.6	3.46	-	-	2.29	8.73	-	-
LSD (5%)	1.6	3.6	0.8	0.71	-	-	1.91	11.37	-	-
LSD (10%)	1.4	3.0	0.7	0.60	-	-	1.60	9.52	-	-

* 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 to (0-6 in.): P=22 ppm; K=177 ppm; pH=7.9 ; OM=2.2%

Previous crop: Field Pea

(0-24 in.): NO3-N=25 lb/a

Planted: 4/24/2019

Yield goal: 90 Bu/a

Harvested: 8/22/2019

Planting population: 1.5 million seeds/a

Soil type: Lihen Loamy Fine Sand

Applied fertilizer: 385 lb/a of Urea (46-0-0) [4/18]

Plot size: 92 ft^2

Herbicides applied: 2,4-D 1.5 pt/a, Talinor 14 oz/a, Tacoma 0.66 pt/a, and Goldsky 1 pt/a (6/5)

Rainfall: 9.6 inches (4/24 - 8/22)

Fungicides applied: Tilt 4 oz/a (6/5), Prosaro 421 8 oz/a (7/2)