

**2020 TCG HRS Wheat Trial Results in 6 Environments**

Variety	Site Yield bu/a						Average Across 6 Sites			Average Across 4 Impacted Sites	
	North Dakota			Minnesota			Yield	Protein	Test Weight	Lodging	BLS <sup>3</sup>
	Casselton	Thompson <sup>1</sup>	Crystal <sup>1</sup>	Crookston <sup>1</sup>	Fisher	Fisher <sup>1</sup>	bu/a	%	lbs/bu	Score <sup>2</sup>	Score <sup>2</sup>
TCG-Spitfire	36.1	87.5	61.6	85.0	62.1	77.8	68.3	13.6	58.0	0.1	1.8
WB-Mayville	32.5	81.0	65.7	73.9	67.3	78.0	66.4	15.6	59.4	0.3	2.6
TCG-Wildcat	35.5	89.0	72.8	71.7	59.3	68.5	66.1	15.3	59.8	0.0	3.3
LCS Cannon	27.2	74.9	75.0	71.6	69.5	75.5	65.6	14.6	60.3	1.4	1.9
TCG-Wildfire	32.2	68.9	73.7	74.1	61.7	73.3	64.0	14.8	59.0	1.1	1.1
LCS Rebel	33.7	73.0	78.7	63.8	60.8	73.5	63.9	15.3	60.9	6.1	0.3
SY Valda	33.1	72.9	71.4	68.7	60.3	74.2	63.4	13.7	58.6	3.8	3.1
TCG-Heartland	29.8	81.0	70.4	73.2	50.1	70.8	62.6	16.0	59.4	0.0	1.8
LCS Trigger	38.8	71.7	75.0	72.6	45.5	70.7	62.4	12.6	59.1	4.4	0.6
TCG-Cornerstone	29.0	76.5	69.1	75.1	53.0	68.9	61.9	14.9	59.8	0.0	1.9
SY McCloud	28.4	82.2	69.9	74.7	50.5	60.2	61.0	14.6	60.7	0.6	1.1
SY Ingmar	29.3	72.5	67.7	67.8	55.2	68.6	60.2	14.7	59.8	1.1	1.8
TCG-Climax	30.2	70.0	67.7	79.0	53.2	60.6	60.1	15.8	60.7	2.4	1.8
Shelly	25.8	55.4	77.9	76.6	58.1	65.6	59.9	15.5	59.3	3.5	2.5
TCG-Glennville	26.4	73.4	60.8	62.1	56.0	69.5	58.0	16.0	59.4	0.0	1.4
Linkert	25.4	72.0	66.3	62.0	51.2	67.0	57.3	15.7	59.2	0.0	2.8
Boost	40.9	59.5	64.3	66.6	52.1	57.8	56.9	14.9	58.5	4.2	0.1
Caliber	27.7	52.1	54.8	71.0	63.3	71.5	56.8	16.0	59.2	0.0	1.1
Prosper	24.9	53.1	68.6	63.6	56.9	62.6	55.0	14.8	58.6	4.4	2.1
Surpass	37.3	54.0	65.4	53.2	45.5	68.9	54.1	15.3	57.3	6.1	3.1
ND VitPro	37.6	62.7	50.1	45.7	55.3	58.1	51.6	15.3	61.0	3.9	1.4
Barlow	24.1	60.1	68.7	40.1	47.7	64.3	50.8	15.6	60.3	5.3	1.7
Bolles	29.5	45.0	61.0	58.2	37.4	45.5	46.1	17.0	57.6	4.7	2.5

<sup>1</sup> Sites treated with fungicide

<sup>2</sup> 0 = least, 10 = most

<sup>3</sup> Bacterial Leaf Streak

### Three Year Average Performance of TCG Varieties and Checks Across 6-7 Sites

Variety	Average Yield bu/a			3 Year Averages				
	2018	2019	2020	Yield	Protein	Test Weight	BLS <sup>1</sup>	Lodging
				bu/a	%	lbs/bu	Score <sup>2, 3</sup>	Score <sup>2</sup>
TCG-Spitfire	77.3	71.8	68.3	72.5	14.3	58.0	1.7	0.1
TCG-Wildcat	72.6	64.3	66.1	67.7	15.3	60.1	3.3	0.0
Shelly	76.6	63.1	59.9	66.5	14.9	59.5	4.0	2.3
SY Valda	70.1	65.4	63.4	66.3	14.6	58.7	3.3	1.8
WB-Mayville	66.0	63.6	66.4	65.3	15.7	59.4	3.7	0.1
TCG-Heartland	69.5	60.9	62.6	64.3	16.0	59.9	2.9	0.0
TCG-Cornerstone	66.3	62.8	61.9	63.7	15.4	59.1	2.9	0.0
SY Ingmar	70.8	59.4	60.2	63.5	15.4	60.1	2.3	0.4
TCG-Wildfire	65.4	60.4	64.0	63.3	15.1	58.7	2.2	1.2
Prosper	72.6	62.0	55.0	63.2	14.7	58.9	2.7	3.4
TCG-Climax	68.8	58.6	60.1	62.5	15.9	61.1	3.5	0.9
Boost	70.9	58.3	56.9	62.0	14.8	59.0	0.4	2.6
Linkert	64.3	58.4	57.3	60.0	16.0	59.6	3.0	0.0
Caliber	67.0	56.0	56.8	59.9	16.0	59.1	1.6	0.0
Surpass	69.8	52.7	54.1	58.9	14.9	58.4	2.2	3.8
Bolles	69.9	59.8	46.1	58.6	16.6	58.5	3.6	2.6
Barlow	66.9	56.7	50.8	58.2	15.5	60.3	3.2	2.9
TCG-Glennville	59.6	56.5	58.0	58.0	16.0	60.2	1.9	0.0
ND VitPro	64.8	53.4	51.6	56.6	15.2	60.9	2.4	2.3

<sup>1</sup> Bacterial Leaf Streak

<sup>2</sup> 0 = least, 10 = most

<sup>3</sup> Average of 2 years: 2019 & 2020