

**Table 1. 2022 TCG HRS Wheat trial results in 7 environments**

Variety	Site Yield (bu/A)							Average across 7 sites			Average of 2-3 impacted sites	
	Minnesota				North Dakota			Yield	Protein	Test Wt	Lodging	BLS <sup>3</sup>
	Stephen <sup>1</sup>	Crookston <sup>1</sup>	Fisher <sup>1</sup>	Fisher	Thompson <sup>1</sup>	Casselton	Crystal <sup>1</sup>	bu/A	%	lbs/bu	Score <sup>2</sup>	Score <sup>2</sup>
TCG-Spitfire	85.0	90.1	90.9	108.3	103.6	80.1	77.1	90.7	14.2	59.6	1.5	2.8
LCS Trigger	90.3	86.5	93.8	84.3	97.2	86.5	83.1	88.8	12.5	60.8	2.7	2.5
TCG-Wildcat	80.8	95.3	86.8	98.2	92.0	84.5	80.2	88.3	15.3	60.9	0.8	2.8
MN-Rothsay	68.2	91.8	97.3	97.2	96.5	80.3	80.4	87.4	14.5	59.9	1.2	5.3
T18C904	68.2	90.1	98.9	103.2	89.1	80.8	75.9	86.6	14.8	60.5	0.3	4.3
Prosper	69.6	92.8	92.2	89.1	81.1	90.2	88.1	86.1	14.9	60.7	4.3	3.5
TCG-Teddy	71.8	97.9	95.2	96.7	84.9	76.6	77.8	85.9	14.9	59.3	0.0	2.3
WB-Mayville	69.0	94.4	95.2	89.5	86.5	83.1	69.4	83.9	15.5	60.7	0.5	3.0
SY-Valda	76.7	86.4	89.6	92.2	86.7	75.4	76.1	83.3	14.2	60.4	2.2	2.8
Shelly	63.0	89.4	96.4	85.0	85.8	79.5	72.6	81.7	15.7	60.9	0.5	4.5
TCG-Badlands	68.7	77.1	89.3	85.5	86.8	73.9	82.8	80.6	14.8	59.9	1.7	3.5
AP Murdock	80.7	87.0	76.3	72.7	89.0	76.7	79.7	80.3	14.6	59.7	3.8	3.5
Torgy	75.0	80.8	81.0	79.4	86.4	76.6	78.8	79.7	15.6	60.3	4.2	2.5
Driver	69.6	81.3	83.2	82.0	88.1	77.6	74.0	79.4	15.1	61.1	5.2	4.3
LCS Rebel	76.4	81.5	83.4	79.2	79.5	75.4	76.6	78.9	15.2	61.8	5.8	2.5
LCS Cannon	63.8	75.8	91.7	86.4	76.4	81.9	74.9	78.7	14.7	61.1	2.0	3.0
TCG-Heartland	65.0	78.2	88.4	88.1	80.9	77.2	71.3	78.4	16.1	60.9	0.7	3.8
TCG-Wildfire	73.9	75.4	90.0	82.0	78.7	74.2	72.0	78.0	14.9	60.3	3.0	3.5
Linkert	67.8	69.6	89.1	93.2	79.8	72.7	66.7	77.0	15.9	60.6	0.3	2.8
SY-Ingmar	79.9	70.3	81.2	79.4	74.1	73.8	71.0	75.7	15.7	60.8	3.3	2.5
Boost	77.9	78.6	70.0	69.9	81.4	76.4	71.2	75.1	15.1	59.5	5.3	2.0
Bolles	49.9	86.5	72.7	79.6	74.6	74.2	70.7	72.6	16.8	60.2	4.0	4.0
Barlow	47.2	78.3	80.9	75.6	77.2	67.7	69.1	70.9	16.0	60.9	6.3	4.5

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

<sup>2</sup> Score from 0-10 (0 = none, 10 = most)

<sup>3</sup> Bacterial Leaf Streak

**Table 2. Three year average performance of TCG varieties and checks across 6-7 sites**

Variety	Average Yield (bu/A)			3 Year Averages				
	2020	2021	2022	Yield	Protein	Test Weight	Lodging	BLS <sup>1</sup>
				bu/a	%	lbs/bu	Score <sup>2,3</sup>	Score <sup>2,3</sup>
TCG-Spitfire	68.3	58.9	90.7	72.7	14.1	59.4	0.8	2.3
T18C904	68.8	53.3	86.6	69.6	14.8	60.0	0.4	3.4
TCG-Wildcat	66.1	52.5	88.3	69.0	15.3	60.6	0.4	3.0
TCG-Teddy	67.1	53.3	85.9	68.7	15.0	59.4	0.0	2.3
LCS Trigger	62.4	54.8	88.8	68.7	12.7	60.0	3.6	1.5
SY-Valda	63.4	54.5	83.3	67.1	14.2	60.1	3.0	2.9
WB-Mayville	66.4	50.2	83.9	66.8	15.7	60.6	0.4	2.8
Prosper	55.0	56.0	86.1	65.7	14.8	59.8	4.4	2.8
LCS Rebel	63.9	51.5	78.9	64.7	15.3	61.5	6.0	1.4
TCG-Badlands	68.1	45.5	80.6	64.7	14.7	59.2	1.2	2.9
LCS Cannon	65.6	47.6	78.7	64.0	14.9	61.4	1.7	2.5
Shelly	59.9	46.2	81.7	62.6	15.5	60.6	2.0	3.5
TCG-Wildfire	64.0	45.5	78.0	62.5	15.0	59.6	2.1	2.3
TCG-Heartland	62.6	46.1	78.4	62.4	16.2	60.8	0.3	2.8
Boost	56.9	50.9	75.1	60.9	15.2	59.4	4.8	1.1
Linkert	57.3	46.7	77.0	60.3	16.0	60.7	0.2	2.8
SY-Ingmar	60.2	42.7	75.7	59.5	15.4	60.5	2.2	2.2
Barlow	50.8	43.9	70.9	55.2	15.8	61.1	5.8	3.1
Bolles	46.1	44.3	72.6	54.3	16.9	59.3	4.4	3.3

<sup>1</sup> Bacterial Leaf Streak

<sup>2</sup> Score from 0-10 (0 = none, 10 = most)