



# Wheat Summary 2020

## Four-Location Averages

Variety	Population	Protein (%)	Test Weight (lbs)	Lodging*	Yield (bu/A)				Average Yield (bu/A)
					Crookston	Crystal	Fisher	Thompson	
TCG Spitfire	1.5	13.7	60.2	1.1	87.9	71.0	84.0	89.7	83.1
WB 9479	1.5	14.7	61.0	1.1	82.4	68.6	80.0	82.0	78.3
WB 9590	1.5	14.0	60.6	1.0	77.4	68.7	79.1	87.6	78.2
WB Mayville	1.5	14.7	61.1	1.2	82.7	61.5	84.4	83.7	78.1
AP Murdock	1.5	13.1	60.4	1.6	77.0	69.5	86.6	78.9	78.0
TCG Wildcat	1.8	14.4	61.1	1.1	78.0	65.1	83.2	84.9	77.8
SY Valda	1.5	14.3	60.6	1.9	74.5	69.0	85.5	80.7	77.4
DG Ambush	1.6	14.2	61.7	1.7	82.7	72.5	74.8	74.1	76.0
TCG Wildcat	1.5	14.6	61.3	1.0	79.1	65.8	80.1	79.1	76.0
MN Torgy	1.5	14.1	61.0	2.5	77.8	77.6	77.6	70.0	75.8
Croplan 3910	1.5	14.1	61.5	1.5	77.9	72.2	75.2	75.0	75.1
DG Commander	1.6	13.8	60.9	1.5	77.7	64.9	74.7	81.3	74.6
WB 9606	1.5	12.8	61.8	1.9	81.4	59.1	81.6	72.3	73.6
DG Ballistic	1.2	14.5	60.5	1.5	74.4	63.1	79.0	78.0	73.6
Croplan 3530	1.2	15.8	61.8	2.1	73.0	70.2	76.8	72.5	73.1
SY 611CL2	1.5	13.8	61.0	1.4	70.7	66.1	76.7	76.9	72.6
Shelly (MN)	1.4	13.1	60.5	2.0	75.3	64.2	73.7	75.6	72.2
SY Soren	1.5	14.3	61.1	1.1	74.7	66.8	73.0	71.6	71.5
Croplan 3915	1.5	14.0	62.0	1.6	68.7	59.6	80.0	75.4	70.9
TCG Climax	1.5	15.7	63.2	1.0	80.6	59.4	69.1	74.4	70.9
WB 9719	1.5	14.2	63.1	1.1	76.4	52.6	69.9	82.9	70.4
Linkert (MN)	1.5	14.5	60.6	1.0	68.3	64.9	66.8	76.9	69.2
DG Velocity	1.2	15.3	61.0	1.2	75.2	57.3	69.0	72.5	68.5
SY Longmire	1.5	14.8	60.3	2.2	68.1	64.8	70.9	68.1	68.0
SY Rockford	1.5	14.1	58.5	1.9	73.1	65.4	65.1	66.9	67.6
LCS Rebel	1.5	15.2	61.8	2.8	57.9	66.2	71.6	69.4	66.3
SY McCloud	1.5	15.2	61.0	1.9	71.1	47.3	70.3	75.0	65.9
Croplan 3903	1.3	14.8	61.2	1.9	57.8	60.0	71.9	70.6	65.1
Frohberg (ND)	1.5	14.7	61.2	2.2	55.0	54.4	66.0	73.6	62.3
WB 9377	1.5	14.9	61.0	1.0	65.8	43.0	64.8	43.1	54.2

Planting population in millions of seeds/acre

\*Lodging scores: 1=best; 10=worst





# Wheat Summary: Multi-Year Data

## Two & Three-Year Data

	2018	2019	2020	2 YEAR				3 YEAR			
	Yield (bu/A)	Yield (bu/A)	Yield (bu/A)	Yield (bu/A)	Protein (%)	Test Weight (lbs)	Lodging*	Yield (bu/A)	Protein (%)	Test Weight (lbs)	Lodging*
TCG Spitfire	84.5	78.0	83.1	<b>80.6</b>	14.0	59.4	1.1	<b>81.9</b>	13.9	60.0	1.0
WB 9479	84.5	72.6	78.3	<b>75.5</b>	15.2	60.3	1.1	<b>78.5</b>	15.0	61.2	1.0
TCG Wildcat	84.6	72.7	77.8	<b>75.3</b>	15.0	60.9	1.0	<b>78.4</b>	14.8	61.6	1.0
SY Valda	80.0	71.6	77.4	<b>74.5</b>	14.7	60.2	1.5	<b>76.3</b>	14.6	60.5	1.9
WB 9590	83.2	67.3	78.2	<b>72.8</b>	15.2	59.6	1.1	<b>76.2</b>	15.0	60.3	1.0
WB Mayville	75.9	72.6	78.1	<b>75.4</b>	15.3	60.1	1.1	<b>75.5</b>	15.1	60.7	1.1
WB 9719	82.2	73.4	70.4	<b>71.9</b>	14.7	62.6	1.1	<b>75.3</b>	14.5	63.2	1.0
DG Ambush	80.4	66.3	76.0	<b>71.2</b>	14.9	60.8	1.5	<b>74.2</b>	14.6	61.2	1.7
Shelly	78.4	68.6	72.2	<b>70.4</b>	14.0	60.0	1.9	<b>73.1</b>	14.0	60.8	2.2
SY Soren	79.1	64.8	71.5	<b>68.2</b>	14.9	60.6	1.1	<b>71.8</b>	14.8	61.1	1.2
SY McCloud	78.2	68.1	65.9	<b>67.0</b>	15.3	61.1	1.4	<b>70.7</b>	15.1	61.8	1.3
Linkert	75.6	67.4	69.2	<b>68.3</b>	15.2	60.3	1.5	<b>70.7</b>	15.2	60.9	1.4
TCG Climax	75.1	64.1	70.9	<b>67.5</b>	16.1	62.2	1.3	<b>70.0</b>	16.0	62.6	1.2
LCS Rebel	74.4	67.6	66.3	<b>67.0</b>	15.1	61.1	2.5	<b>69.4</b>	14.8	61.8	2.6
Croplan 3530	70.5	63.1	73.1	<b>68.1</b>	15.5	60.3	1.9	<b>68.9</b>	15.0	60.5	2.4
SY 611CL2		71.8	72.6	<b>72.2</b>	14.4	60.0	1.4				
WB 9377		60.6	54.2	<b>57.4</b>	14.8	60.4	1.0				

Planting population in millions of seeds/acre

\*Lodging scores: 1=best; 10=worst



Variety	No Fungicide Applications			Fungicide Application at Herbicide & Early Flowering		
	Protein (%)	Test Weight (lbs)	Average Yield (bu/A)	Protein (%)	Test Weight (lbs)	Average Yield (bu/A)
AP Murdock	14.1	59.4	73.9	14.2	60.2	86.6
SY Valda	15.2	59.0	62.1	15.2	59.7	85.5
WB Mayville	15.6	59.8	63.7	15.6	61.6	84.4
TCG Spitfire	14.3	58.9	59.6	13.9	58.3	84.0
TCG Wildcat	14.9	60.4	62.2	15.0	60.2	83.2
WB 9606	13.7	60.5	57.6	13.9	62.4	81.6
Croplan 3915	14.8	61.2	58.2	15.1	61.9	80.0
WB 9479	15.5	59.2	63.7	15.4	61.8	80.0
WB 9590	15.1	58.6	66.2	15.1	60.0	79.1
WB 9590	15.0	59.0	68.0	14.8	60.9	79.1
DG Ballistic	14.5	58.7	63.9	14.5	60.3	79.0
MN Torgy	15.1	59.6	61.5	15.5	60.4	77.6
Croplan 3530	15.4	60.0	68.9	15.5	65.4	76.8
SY 611CL2	15.1	60.1	63.8	15.3	60.2	76.7
Croplan 3910	15.1	59.1	63.7	15.1	61.1	75.2
DG Ambush	15.4	59.2	54.9	14.8	61.7	74.8
TCG Heartland	15.6	59.8	59.2	15.5	66.5	74.7
DG Commander	14.4	60.2	65.9	14.5	60.2	74.7
Shelly (MN)	14.3	58.6	64.0	13.9	60.0	73.7
SY Soren	15.4	58.8	59.5	14.8	60.4	73.0
Croplan 3099	13.2	57.8	63.3	13.7	59.9	72.2
Croplan 3903	14.8	61.4	60.4	14.6	60.3	71.9
LCG Rebel	15.5	61.7	64.5	15.5	61.9	71.6
SY Longmire	14.7	58.8	54.9	15.0	58.9	70.9
SY McCloud	15.4	59.6	57.0	15.3	59.6	70.3
WB 9590	15.5	59.1	57.4	15.2	59.7	70.0
WB 9719	14.2	62.8	52.6	14.6	62.0	69.9
TCG Climax	16.9	60.4	53.5	16.8	62.9	69.1
DG Velocity	16.2	60.2	59.0	15.5	60.7	69.0
Linkert (MN)	15.2	60.2	60.8	15.0	61.0	66.8
Frohberg (ND)	14.4	60.6	49.9	14.7	60.8	66.0
SY Rockford	16.6	54.4	46.2	15.9	56.0	65.1
Red Fife	15.0	56.1	37.5	15.2	52.7	47.3
<b>Averages</b>	<b>15.0</b>	<b>59.5</b>	<b>59.9</b>	<b>15.0</b>	<b>60.6</b>	<b>74.5</b>

Gain/Loss Between Treatments		
Protein	Test Weight	Yield
0.0	+1.1	+14.6

At Herbicide	At Flowering
Treatment	Treatment
Rate	Rate
Priaxor	Miravis Ace
2 oz/A	13.7 oz/A
Lamcap II	Lamcap II
1.28 oz/A	1.28 oz/A

Planting population in millions of seeds/acre

\*Lodging scores: 1=best; 10=worst



# Fungicide Wheat Trial

Multi-Year Data

Year	Fungicided			Unfungicided			Gain/Loss		
	Yield (bu/A)	Protein (%)	Test Weight (lbs)	Yield (bu/A)	Protein (%)	Test Weight (lbs)	Yield (bu/A)	Protein (%)	Test Weight (lbs)
<b>2010</b>	81.1	14.4	61.4	74.3	14.0	61.4	<b>6.8</b>	<b>0.4</b>	<b>0.0</b>
<b>2011</b>	65.1	14.9	60.4	60.6	14.9	58.7	<b>4.6</b>	<b>0.0</b>	<b>1.7</b>
<b>2013</b>	73.5	14.1	62.2	63.4	14.3	62.0	<b>10.1</b>	<b>-0.2</b>	<b>0.2</b>
<b>2014</b>	101.2	13.1	61.5	97.5	13.2	61.1	<b>3.7</b>	<b>-0.1</b>	<b>0.4</b>
<b>2015</b>	90.8	14.5	61.7	79.8	14.3	61.3	<b>11.0</b>	<b>0.2</b>	<b>0.4</b>
<b>2017</b>	100.5	13.9	60.9	93.7	14.0	61.0	<b>6.8</b>	<b>-0.1</b>	<b>-0.1</b>
<b>2018</b>	68.5	15.1	61.7	65.0	15.0	62.1	<b>3.5</b>	<b>0.1</b>	<b>-0.4</b>
<b>2019</b>	65.0	15.7	59.8	62.5	15.8	59.6	<b>2.5</b>	<b>-0.1</b>	<b>0.2</b>
<b>2020</b>	74.7	15.0	60.6	59.9	15.0	59.5	<b>14.6</b>	<b>0.0</b>	<b>1.1</b>
<b>AVERAGE</b>	<b>80.0</b>	<b>14.5</b>	<b>61.1</b>	<b>73.0</b>	<b>14.5</b>	<b>60.7</b>	<b>+7.1</b>	<b>0.0</b>	<b>+0.4</b>

Planting population in millions of seeds/acre

\*Lodging scores: 1=best; 10=worst

