



Wheat Summary 2019

Ranked by Revenue/Acre

Variety	Population	Protein (%)	TW (lbs)	Height (In.) (Fisher)	Lodging Score (Thompson)	Yield (bu/A)				Average Yield (bu/A)	Falling Number (Fisher)	Rank by Yield	Net \$/A
						Thompson	Crystal	Fisher	Crookston				
TCG Spitfire	1.5	14.3	58.6	27.3	1.0	73.9	77.7	76.0	84.3	78.0	62	1	\$ 382.03
WB 9719	1.5	15.2	62.1	27.0	1.0	75.0	68.1	75.0	75.4	73.4	68	2	\$ 365.46
DG Commander	1.6	15.1	59.6	27.0	1.2	74.2	77.6	63.8	77.7	73.3	202	3	\$ 365.20
G17C2020	1.5	15.2	60.4	28.7	1.0	74.6	65.8	68.5	81.8	72.7	180	4	\$ 362.02
WB 9479	1.5	15.6	59.5	26.3	1.0	68.7	72.2	70.9	78.4	72.6	153	5	\$ 361.35
WB Mayville	1.5	15.9	59.1	27.3	1.0	67.6	76.9	77.6	68.1	72.6	73	6	\$ 361.32
Croplan 3910	1.5	14.7	60.4	27.3	1.3	73.3	80.7	64.4	70.7	72.3	129	7	\$ 357.04
SY Valda	1.5	15.1	59.8	26.3	1.3	78.1	74.1	70.8	63.6	71.6	228	9	\$ 356.77
SY 611CL2	1.5	14.9	59.0	27.3	1.5	69.8	70.3	75.7	71.5	71.8	65	8	\$ 351.83
DG Ballistic	1.2	15.0	58.5	29.0	2.8	64.2	69.8	75.0	69.5	69.6	108	11	\$ 346.85
MS Barracuda	1.5	15.6	59.9	27.7	1.0	76.3	70.9	62.3	70.6	70.0	220	10	\$ 343.04
Shelly (UM)	1.4	14.8	59.5	26.0	1.8	66.2	65.1	69.2	73.9	68.6	386	12	\$ 340.31
SY McCloud	1.5	15.3	60.3	29.3	1.0	66.6	74.7	59.7	71.5	68.1	96	13	\$ 339.28
Rebel LCS	1.5	15.0	60.4	30.3	2.3	64.4	68.7	63.1	74.2	67.6	62	14	\$ 336.66
TCG Heartland	1.8	16.0	59.6	26.0	1.0	72.4	70.8	65.7	61.5	67.6	179	15	\$ 336.51
Linkert (UM)	1.5	15.9	59.9	26.3	1.2	66.7	71.8	62.1	69.2	67.4	285	16	\$ 335.83
WB 9590	1.5	15.7	58.5	25.7	1.0	68.3	64.1	68.5	68.5	67.3	263	17	\$ 335.37
DG Ambush	1.6	15.5	59.9	27.3	2.0	62.5	64.9	63.2	74.5	66.3	164	20	\$ 330.02
DG Caliber	1.9	15.8	59.2	24.3	1.0	56.3	71.1	60.1	77.4	66.2	62	21	\$ 329.75
SY Longmire (Sawfly)	1.8	15.3	59.4	28.0	1.0	65.5	70.0	66.8	61.8	66.0	155	22	\$ 328.67
MS Chevelle	1.5	14.5	59.0	28.3	1.8	57.1	69.8	76.0	64.3	66.8	68	18	\$ 328.47
Washburn (UM)	1.5	14.6	59.4	28.3	1.0	67.9	64.3	74.3	59.4	66.5	171	19	\$ 328.42
SY Soren	1.5	15.4	60.0	25.7	1.0	60.8	72.9	57.4	68.3	64.8	199	23	\$ 322.93
DG Velocity	1.6	16.5	59.5	28.3	1.2	55.4	70.7	62.6	68.9	64.4	265	25	\$ 320.80
Croplan 3888	1.5	14.6	58.4	28.3	1.2	51.0	75.9	66.8	64.8	64.6	270	24	\$ 319.28
TCG Climax	1.5	16.4	61.2	28.3	1.5	61.2	57.8	62.5	74.9	64.1	280	26	\$ 319.28
Croplan 3530	1.3	15.2	58.7	32.0	1.8	52.6	64.1	67.3	68.5	63.1	269	27	\$ 314.25
MS Camaro	1.5	15.3	59.3	26.0	1.2	56.0	71.6	61.8	59.3	62.2	211	29	\$ 309.61
WB Gunnison (Sawfly)	1.8	14.5	59.4	26.3	1.0	62.9	68.2	61.4	56.5	62.3	142	28	\$ 306.28
WB 9377 (Sawfly)	1.8	14.6	59.8	25.7	1.0	57.3	63.2	56.7	65.3	60.6	307	30	\$ 299.53
Canus*	1.3	15.6	59.0	34.0	3.8	29.2	73.1	40.5	40.8	45.9	262	31	\$ 228.60
Sonora White*	1.3	15.4	57.7	36.7	4.3	29.0	62.5	50.4	36.1	44.5	81	32	\$ 221.51
Red Fife*	1.3	14.2	58.7	35.0	3.8	24.6	68.9	43.1	38.5	43.8	242	33	\$ 214.50

Population in millions of seeds per acre

Lodging scoring: 1 = best; 10 = worst

Net \$/A @ \$4.88/bu & \$0.02 per 1/5 protein (14-15pro)

* Heritage wheat varieties: Canus (Canada, 1935),
Red Fife (Germany, 1885), and Sonora White (Mexico, 1640)



 <h2 style="text-align: center;">Two-Year Average</h2> <h3 style="text-align: center;">Wheat Summary</h3>						
Variety	2018	2019	2 YEAR			
	Yield (bu/A)	Yield (bu/A)	Yield (bu/A)	Protein (%)	TW (lbs)	Lodging
TCG Spitfire	84.5	78.0	81.2	14.1	59.9	1.0
G17C2020	84.6	72.7	78.6	14.8	61.7	1.0
WB 9479	84.5	72.6	78.5	15.1	61.3	1.0
WB 9719	82.2	73.4	77.8	14.7	63.2	1.0
SY Valda	80.0	71.6	75.8	14.7	60.5	2.0
WB 9590	83.2	67.3	75.3	15.1	60.1	1.0
WB Mayville	75.9	72.6	74.2	15.3	60.5	1.0
TCG Heartland	80.2	67.6	73.9	15.6	61.2	1.0
Shelly	78.4	68.6	73.5	14.4	60.9	2.3
DG Ambush	80.4	66.3	73.3	14.9	60.9	1.7
SY McCloud	78.2	68.1	73.2	15.1	61.9	1.1
SY Soren	79.1	64.8	72.0	15.1	61.1	1.3
Linkert	75.6	67.4	71.5	15.6	61.1	1.6
DG Caliber	75.8	66.2	71.0	15.5	60.6	1.0
Rebel LCS	74.4	67.6	71.0	14.6	61.9	2.6
TCG Climax	75.1	64.1	69.6	16.1	62.3	1.3
Croplan 3530	70.5	63.1	66.8	14.6	59.9	2.7

 <h2 style="text-align: center;">Three-Year Average</h2> <h3 style="text-align: center;">Wheat Summary</h3>							
Variety	2017	2018	2019	3 YEAR			
	Yield (bu/A)	Yield (bu/A)	Yield (bu/A)	Yield (bu/A)	Protein (%)	TW (lbs)	Lodging
TCG Spitfire	103.3	84.5	78.0	88.6	14.0	60.3	1.0
WB 9479	97.5	84.5	72.6	84.9	15.2	61.5	1.0
WB 9590	102.2	83.2	67.3	84.2	15.0	60.6	1.0
Shelly	99.4	78.4	68.6	82.1	14.1	61.1	2.1
SY Valda	92.4	80.0	71.6	81.3	14.5	60.8	2.6
WB 9719	86.4	82.2	73.4	80.7	14.6	63.5	1.7
WB Mayville	91.4	75.9	72.6	80.0	15.1	61.0	1.0
SY Soren	89.7	79.1	64.8	77.9	14.8	61.2	1.2
TCG Climax	93.0	75.1	64.1	77.4	15.8	62.7	1.2
Croplan 3530	97.9	70.5	63.1	77.2	14.3	60.4	2.8
Linkert	85.1	75.6	67.4	76.0	15.4	60.8	1.4

Lodging: 1 = best; 10 = worst



Fungicide Wheat Trial 2019

Unfungicided vs Fungicided Wheat

Variety	Unfungicided			Fungicided		
	Protein (%)	Test Weight (lbs)	Average Yield (bu/A)	Protein (%)	Test Weight (lbs)	Average Yield (bu/A)
WB Mayville	16.8	59.9	64.8	16.1	59.7	77.6
TCG Spitfire	15.0	57.7	72.6	14.9	56.7	76.0
MS Chevelle	14.9	58.7	68.6	14.4	60.8	76.0
SY 611CL2	15.9	60.4	70.5	15.0	60.4	75.7
WB 9719	15.9	61.1	70.5	16.1	62.1	75.0
DG Ballistic	14.8	59.2	69.0	14.6	59.0	75.0
Washburn (UM)	15.4	60.1	66.2	14.4	60.1	74.3
WB 9479	16.9	59.6	66.5	16.4	59.7	70.9
SY Valda	15.2	60.5	68.9	15.5	60.3	70.8
Shelly (UM)	14.7	60.5	72.8	14.2	60.3	69.2
TCG Heartland	16.5	59.1	62.1	16.6	60.6	68.6
G17C2020	16.9	59.5	65.2	15.6	59.8	68.5
WB 9590	15.8	58.9	74.8	16.7	60.2	68.5
WB 9311	15.9	62.1	60.4	15.2	60.6	68.5
Croplan 3530	16.2	59.2	62.3	15.4	59.7	67.3
Croplan 3888	16.0	59.2	64.0	15.6	59.8	66.8
SY Longmire (Sawfly)	15.8	59.2	63.5	15.9	59.4	66.8
TCG Heartland	16.6	61.0	64.3	17.2	60.0	65.7
Croplan 3910	15.4	59.9	59.5	15.1	61.1	64.4
DG Commander	15.2	60.9	64.6	15.4	61.2	63.8
DG Ambush	15.6	60.2	71.5	16.0	60.5	63.2
Rebel LCS	15.7	59.9	67.0	16.3	59.4	63.1
DG Velocity	16.9	60.3	57.7	16.4	59.7	62.6
TCG Climax	15.9	60.0	62.7	15.9	59.6	62.5
MS Barracuda	15.8	59.8	64.5	15.9	60.6	62.3
Linkert (UM)	17.0	59.4	63.9	16.9	60.2	62.1
MS Camaro	17.2	59.4	59.0	16.1	60.0	61.8
WB Gunnison (Sawfly)	14.7	59.1	55.9	15.4	58.7	61.4
DG Caliber	16.5	58.8	61.2	15.9	58.7	60.1
SY McCloud	16.5	60.7	64.6	16.8	60.6	59.7
SY Soren	16.6	61.4	57.6	17.0	60.3	57.4
WB 9377 (Sawfly)	15.1	58.8	52.4	15.8	59.7	56.7
Sonora White	13.4	56.2	36.3	14.6	56.2	50.4
Red Fife	13.6	57.7	39.8	14.2	57.9	43.1
Canus	16.1	59.2	42.4	14.3	58.0	40.5
Averages	15.8	59.6	62.5	15.7	59.8	65.0

Gain/Loss Between Treatments		
Protein	Test Weight	Yield
-0.1	+0.2	+2.5

At Herbicide	6/17/2019	At Flowering	7/8/2019
Treatment	Rate	Treatment	Rate
Priaxor	2 oz/A	Miravis Ace	13.7 oz/A
Lamcap II	1.28 oz/A	Lamcap II	1.28 oz/A



Fungicide Trial

Multi-Year Data

Year	Fungicided			Unfungicided			Gain/Loss		
	Yield (bu/A)	Protein (%)	TW (lbs)	Yield (bu/A)	Protein (%)	TW (lbs)	Yield (bu/A)	Protein (%)	TW (lbs)
2010	81.1	14.4	61.4	74.3	14.0	61.4	6.8	0.4	0.0
2011	65.1	14.9	60.4	60.6	14.9	58.7	4.6	0.0	1.7
2013	73.5	14.1	62.2	63.4	14.3	62.0	10.1	-0.2	0.2
2014	101.2	13.1	61.5	97.5	13.2	61.1	3.7	-0.1	0.4
2015	90.8	14.5	61.7	79.8	14.3	61.3	11.0	0.2	0.4
2017	100.5	13.9	60.9	93.7	14.0	61.0	6.8	-0.1	-0.1
2018	68.5	15.1	61.7	65.0	15.0	62.1	3.5	0.1	-0.4
2019	65.0	15.7	59.8	62.5	15.8	59.6	2.5	-0.1	0.2
AVERAGE	80.7	14.5	61.2	74.6	14.4	60.9	6.1	0.0	0.3