



Wheat Summary 2018

Ranked by Revenue/Acre

Variety	Pop*	Protein (%)	TW (lbs)	Height (inches)	Lodging Score**	Crookston Yield (bu/A)	Fisher Yield (bu/A)	Thompson Yield (bu/A)	Crystal Yield (bu/A)	Average Yield (bu/A)	Net \$/Acre	Rank by Yield
WB 9479	1.5	14.6	63.1	27.8	1.0	79.62	72.39	86.49	99.59	84.5	\$438.66	2
TCG Spitfire	1.5	13.8	61.2	30.1	1.0	87.42	67.45	95.33	92.97	85.8	\$437.55	1
WB 9590	1.5	14.5	61.6	26.8	1.0	76.92	74.16	78.35	103.21	83.2	\$429.94	3
WB 9719	1.5	14.2	64.3	29.0	1.0	80.58	70.47	90.32	87.30	82.2	\$423.17	4
TCG Heartland	1.8	15.1	62.7	28.5	1.0	73.36	66.87	86.70	93.80	80.2	\$419.35	8
DG Ambush	1.7	14.2	61.9	30.4	2.2	68.88	70.17	87.36	95.23	80.4	\$414.11	6
Cannon LCS	1.5	14.3	63.4	29.3	2.5	69.35	67.47	88.18	95.71	80.2	\$412.92	9
Croplan 3419	1.7	13.5	60.4	31.1	1.2	74.81	69.28	87.23	94.29	81.4	\$412.70	5
SY Valda	1.8	14.3	61.4	30.2	2.7	65.18	67.53	89.27	98.18	80.0	\$412.21	10
SY Soren	1.8	14.7	62.2	27.5	1.2	66.42	72.22	83.83	93.96	79.1	\$410.58	11
TCG Cornerstone	1.8	14.6	61.8	28.2	1.0	74.43	64.25	85.20	88.33	78.1	\$405.09	14
Shelly (UM)	1.5	14.0	62.3	29.1	2.8	62.26	69.81	93.72	87.96	78.4	\$402.38	12
Trigger LCS	1.5	12.7	61.5	32.6	1.7	79.19	67.26	85.40	89.42	80.3	\$397.57	7
DG Caliber	1.8	15.2	61.9	26.1	1.0	67.67	62.35	87.39	85.73	75.8	\$396.35	18
Linkert (UM)	1.8	15.3	62.2	27.2	1.2	69.81	62.41	82.21	87.77	75.6	\$395.13	19
WB Granite	2.0	14.7	63.7	29.9	1.0	73.59	64.04	89.20	77.04	76.0	\$394.28	16
WB Mayville	1.5	14.6	61.9	26.9	1.0	74.77	59.76	77.90	91.05	75.9	\$393.79	17
Croplan 3100	1.4	14.0	61.4	29.5	1.2	69.65	66.79	81.56	88.97	76.7	\$393.70	15
TCG Climax	1.5	15.8	63.3	30.1	1.0	72.09	61.84	80.39	85.92	75.1	\$392.56	20
Croplan 3616	1.4	15.3	61.3	30.4	2.0	64.58	72.67	76.18	84.00	74.4	\$388.88	22
Rebel LCS	1.5	14.2	63.3	32.7	2.8	64.96	68.52	85.64	78.53	74.4	\$383.21	21
TCG Glennville	1.8	15.8	62.9	27.0	1.0	70.42	63.91	69.15	85.15	72.2	\$377.38	23
Vitpro (NDSU)	1.5	15.3	63.3	31.5	2.7	61.07	62.48	79.86	77.79	70.3	\$367.67	25
Croplan 3530	1.4	14.0	61.1	33.8	3.5	62.01	55.76	79.03	85.23	70.5	\$361.71	24
Lang (UM)	1.5	14.8	62.0	32.9	3.7	61.46	66.01	83.30	63.75	68.6	\$357.57	26

* Planted population in millions of seeds per acre

** Lodging score: 1=best; 10=worst

Net \$/A calculation: @ \$5.13/bushel & \$0.02 per 1/5 protein to 15 & \$0.03 per 1/5 protein to 11





Wheat Summary by Yield 2018

Multi-Year Averages

Variety	Pop*	2015	2016	2017	2018	Two Year Average				Four Year Average			
		Yield (bu/A)	Yield (bu/A)	Yield (bu/A)	Yield (bu/A)	Yield (bu/A)	Protein (%)	TW (lbs)	Lodging	Yield (bu/A)	Protein (%)	TW (lbs)	Lodging
TCG Spitfire	1.8	95.4	79.6	103.3	84.5	93.9	13.6	61.2	1.0	90.7	13.6	60.9	1.6
WB 9590	1.5			102.2	83.2	92.7	14.6	61.7	1.0				
WB 9479	1.5			97.5	84.5	91.0	15.0	62.5	1.0				
Croplan 3419	1.7	94.9	83.6	96.6	81.4	89.0	13.4	60.2	1.6	89.1	13.1	60.4	2.4
Shelly (UM)	1.5			99.4	78.4	88.9	13.8	61.9	2.3				
SY Valda	1.8	85.6	64.9	92.4	80.0	86.2	14.3	61.5	3.2	80.7	13.9	61.1	4.3
WB Samson	1.6	90.8	83.9	93.8	76.9	85.4	13.7	60.6	1.4	86.4	13.8	60.4	1.9
SY Soren	1.8	89.1	72.2	89.7	79.1	84.4	14.5	61.8	1.1	82.5	14.3	60.9	2.4
WB 9719	1.5			86.4	82.2	84.3	14.4	64.2	2.1				
Croplan 3530	1.4			97.9	70.5	84.2	13.9	61.3	3.3				
TCG Climax	1.5			93	75.1	84.1	15.5	63.5	1.0				
WB Granite	2.0	82.9	79.2	91.6	76.0	83.8	14.9	63.9	1.0	82.4	14.9	63.8	1.4
WB Mayville	1.5	86.8	81.7	91.4	75.9	83.7	14.8	61.9	1.0	84.0	14.5	61.4	1.6
TCG Cornerstone	1.8	84.7	77.3	87.6	78.1	82.9	14.7	61.9	1.0	81.9	14.4	61.4	1.6
Croplan 3616	1.4			89.3	74.4	81.9	15.1	60.9	1.6				
Linkert (UM)	1.8	87.8	72.0	85.1	75.6	80.4	15.2	61.3	1.1	80.1	14.5	61.2	1.6

* Planted population in millions of seeds per acre

** Lodging score: 1=best; 10=worst





Fungicided vs. Unfungicided Wheat 2018 Results

Variety	Fungicided			Unfungicided		
	Protein (%)	Test Weight (lbs)	Yield (bu/A)	Protein (%)	Test Weight (lbs)	Yield (bu/A)
Shelly (UM)	14.1	61.8	74.83	13.9	63.1	64.78
Croplan 3419	14.1	59.0	74.83	14.1	58.1	63.72
WB 9590	15.6	60.7	73.98	15.7	61.3	74.33
WB 9479	15.7	62.9	73.79	14.8	62.8	70.99
SY Soren	14.4	64.1	73.06	14.6	62.3	71.38
Croplan 3616	15.3	60.3	72.83	15.3	61.7	72.50
TCG Heartland	15.9	62.1	72.76	16.0	63.0	60.98
WB 9719	13.8	64.0	72.60	15.6	63.3	68.33
Rebel LCS	15.1	63.0	72.19	15.1	61.9	64.85
DG Ambush	15.3	62.5	71.39	14.7	62.9	68.96
SY Valda	14.2	60.7	69.98	14.7	61.0	65.08
WB Samson	14.7	60.7	69.63	14.2	61.5	65.35
TCG Cornerstone	15.0	61.1	69.21	14.9	60.9	59.29
TCG Spitfire	14.8	59.0	68.65	14.8	59.6	66.25
TCG Climax	16.6	61.6	67.33	16.0	63.0	56.36
Trigger LCS	13.3	60.6	67.11	12.7	62.2	67.41
Lang (UM)	15.5	63.1	66.80	14.9	63.1	65.22
DG Caliber	15.3	63.3	66.34	15.7	60.6	58.36
Croplan 3100	14.7	59.4	65.83	14.6	61.4	67.75
TCG Glennville	16.1	63.0	64.50	15.5	63.5	63.31
Vitpro (NDSU)	15.7	63.7	64.20	15.3	64.1	60.77
WB Granite	16.1	61.0	63.57	15.6	63.2	64.51
Linkert (UM)	15.6	62.0	63.50	15.6	62.0	61.32
Cannon LCS	14.2	63.3	63.46	14.3	63.9	71.48
WB Mayville	15.6	61.6	60.48	15.6	61.1	59.05
Croplan 3530	14.8	60.0	54.87	15.5	60.0	56.66
Average	15.1	61.7	68.4	15.0	62.0	65.0

Gain/Loss Between Treatments		
Protein (%)	Test Weight (lbs)	Yield (bu/A)
+ 0.01	- 0.4	+ 3.5

At Herbicide	6/1/2018	At Flowering	6/26/2018
Treatment	Rate	Treatment	Rate
Priaxor	2 oz/A	Caramba	13.5 oz/A
Lamcap II	1.25 oz/A	Trophy Gold	3.2 oz/A
Grounded	4 oz/A		

Data obtained from research performed in Fisher, MN
 Seed treated with Stamina F3 + imidacloprid in both groups





Fungicided -vs- Unfungicided 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
AVERAGE	83.0	14.3	61.4	76.3	14.2	61.1	6.6	0.0	0.3