



Wheat Summary 2022

Ranked by Yield

Variety	Population	BLS*	Lodging**	Protein (%)	TW (lbs)	Yield (bu/A)			Average Yield (bu/A)
						Crookston	Fisher	Thompson	
TCG Spitfire	1.5	3.3	1.0	13.5	62.1	93.4	92.1	101.0	95.5
WB 9590	1.5	6.3	1.1	14.4	61.4	99.4	98.2	88.3	95.3
UM Rothsay	1.5	5.3	1.0	13.9	61.4	92.1	99.0	93.6	94.9
SY Valda	1.5	3.3	1.3	14.1	62.1	94.2	97.9	90.9	94.3
WB 9479	1.5	5.7	1.0	14.9	61.7	94.5	92.9	92.1	93.1
TCG Wildcat	1.5	3.0	1.0	14.9	62.1	91.9	93.3	93.1	92.8
LCS Trigger	1.5	3.7	1.9	11.8	62.4	92.9	87.9	96.9	92.6
WB Mayville	1.5	5.3	1.0	14.9	62.3	91.8	91.3	93.7	92.3
AgriPro HY127	1.5	7.3	1.7	13.2	60.9	89.3	93.3	91.6	91.4
WB 9719	1.5	4.3	1.0	14.4	64.4	91.8	87.7	94.1	91.2
AP Murdock	1.5	3.3	1.4	13.8	60.5	91.1	88.8	91.5	90.5
TCG Teddy	1.8	2.7	1.0	14.1	62.0	88.4	90.1	89.6	89.4
AP Smith	1.5	4.7	1.0	13.9	61.1	91.5	90.4	86.1	89.3
AP Gunsmoke	1.5	6.3	1.8	14.0	61.7	83.9	90.0	93.5	89.2
UM Torgy	1.5	4.0	2.1	14.8	62.1	88.6	88.1	88.6	88.4
CP3188	1.3	5.7	2.7	13.0	61.2	92.1	81.7	91.1	88.3
TCG Badlands	1.8	3.7	1.3	13.9	60.9	83.8	95.1	85.9	88.3
SY611CL2	1.5	3.0	1.1	14.3	61.9	84.3	90.1	85.6	86.7
WB 9606	1.5	8.0	1.3	13.1	62.1	93.7	77.5	88.3	86.5
SY Longmire (Sawfly)	1.5	4.0	1.3	14.0	61.7	80.2	92.1	83.1	85.1
CP3099A	1.3	7.0	1.6	13.3	62.1	85.0	87.4	82.7	85.0
CAG Justify	1.5	7.0	3.0	14.5	60.8	79.7	86.9	86.1	84.2
LCS Buster	1.5	6.0	2.8	12.2	60.2	90.8	76.6	84.5	84.0
TCG Heartland	1.5	4.7	1.0	15.3	63.0	78.3	89.1	83.8	83.7
CAG Reckless	1.5	5.0	2.1	14.8	62.5	83.0	82.7	84.4	83.4
CP3915	1.3	3.7	1.2	14.3	62.9	75.7	79.9	90.8	82.1
LSD P=.05		1.30	0.32	0.59	0.68	12.82	11.59	7.50	5.99
CV		15.90	15.76	2.95	0.79	8.86	7.95	5.09	4.75
Grand Mean		4.99	1.44	14.12	61.90	88.49	89.28	90.09	89.75

Planting population in millions of seeds/acre

*BLS scores: 1=most resistant; 9=most susceptible

** Lodging scores: 1=best; 9=worst





Wheat Summary: Multi-Year Data

	2020	2021	2022	2 YEAR			3 YEAR				
Variety	Yield (bu/A)	Yield (bu/A)	Yield (bu/A)	Protein (%)	TW (lbs)	Lodging*	Yield (bu/A)	Protein (%)	TW (lbs)	Lodging*	Yield (bu/A)
TCG Spitfire	83.1	69.9	95.5	13.6	62.2	1.0	82.7	13.6	61.5	1.1	82.8
WB 9590	78.2	68.3	95.3	14.5	62.7	1.1	81.8	14.6	62.0	1.1	80.6
WB 9606	73.6	74.0	86.5	13.1	63.3	1.3	80.3	13.0	62.8	1.6	78.0
MN Torgy	75.8	70.7	88.4	14.6	63.1	2.1	79.6	14.4	62.4	2.3	78.3
TCG Wildcat (1.5)	76.0	65.2	92.8	14.9	62.8	1.0	79.0	14.8	62.3	1.0	78.0
LCS Trigger		65.3	92.6	12.5	61.6	1.9	79.0				
AP Gunsmoke CL2		68.5	89.2	14.1	62.5	1.8	78.9				
WB 9719	70.4	65.6	91.2	14.5	64.5	1.0	78.4	14.4	64.0	1.1	75.7
SY Valda	77.4	62.2	94.3	14.3	62.8	1.3	78.3	14.3	62.0	1.5	78.0
AP Murdock	78.0	65.9	90.5	14.4	61.6	1.4	78.2	14.0	61.2	1.5	78.1
WB Mayville	78.1	62.7	92.3	15.7	63.2	1.0	77.5	15.3	62.5	1.1	77.7
WB 9479	78.3	60.1	93.1	15.1	62.9	1.0	76.6	14.9	62.3	1.1	77.2
AP Smith		63.1	89.3	14.5	61.8	1.0	76.2				
SY 611CL2	72.6	62.0	86.7	14.3	63.2	1.1	74.4	14.1	62.4	1.2	73.8
SY Longmire	68.0	60.7	85.1	14.2	62.5	1.3	72.9	14.4	61.8	1.8	71.3
TCG Heartland	69.4	60.3	83.7	15.5	63.4	1.0	72.0	15.4	63.2	1.1	71.1
Croplan 3519	70.9	59.0	82.1	14.4	63.5	1.2	70.6	14.2	63.0	1.4	70.7

*Lodging scores: 1=best; 5=worst





Fungicide Wheat Trial 2022

Effects of Fungicide Application at Herbicide & Early Flowering on Spring Wheat

Variety	No Fungicide Applications			Fungicide Application at Herbicide & Early Flowering		
	Protein (%)	TW (lbs)	Yield (bu/A)	Protein (%)	TW (lbs)	Yield (bu/A)
TCG Wildcat	15.0	61.8	93.3	14.8	60.6	97.6
WB 9479	15.5	60.3	92.9	15.4	61.8	96.9
AgriPro Hybrid	14.0	60.6	93.3	14.1	61.1	96.4
TCG Teddy	14.7	61.7	90.1	15.2	63.0	95.9
UM Rothsay	14.5	60.6	99.0	14.4	62.1	95.9
SY Valda	14.5	61.6	97.9	13.8	62.3	95.8
WB 9590	15.1	60.6	98.2	14.8	61.9	95.1
WB Mayville	15.2	61.6	91.3	15.2	61.8	94.8
TCG Badlands	14.3	60.1	95.1	14.8	61.4	94.3
SY611CL2	14.7	61.9	90.1	14.6	62.2	93.4
WB 9606	13.3	61.3	77.5	13.5	63.2	93.2
TCG Spitfire	13.5	61.2	92.1	14.0	61.7	93.0
LCS Trigger	12.4	61.1	87.9	12.0	62.1	92.1
TCG Heartland	15.9	62.4	89.1	16.0	63.8	91.9
WB 9719	15.0	63.7	87.7	15.5	64.6	91.6
CP3099A	13.3	61.4	87.4	13.3	61.6	91.1
AP Smith	14.3	60.9	90.4	14.4	61.4	89.4
AP Gunsmoke	15.2	61.6	90.0	16.3	62.3	89.0
CAG Justify	15.0	60.1	86.9	13.7	61.2	88.8
CP3915	14.5	61.6	79.9	14.6	63.0	88.5
UM Torgy	15.1	62.4	88.1	15.7	62.4	85.2
SY Longmire (Sawfly)	14.6	61.4	92.1	14.8	61.7	85.2
AP Murdock	14.1	59.7	88.8	13.9	61.2	84.3
CAG Reckless	15.2	61.8	82.7	15.4	62.5	82.7
CP3188	13.3	60.3	81.7	13.0	61.3	81.6
LCS Buster	12.9	58.8	76.6	12.1	61.2	74.0
LSD P=.05			11.6			8.7
CV			8.0			5.8
Grand Mean	14.45	61.19	89.28	14.50	62.07	91.18

Gain Between Treatments		
Protein	TW	Yield
+ 0.05	+ 0.88	+ 1.9

Herbicide Treatment	Rate	Flowering Treatment	Rate
Axial Bold	15 oz/A	Miravis Ace	13.7 fl oz/A
WideARmatch	14 oz/A	NIS 90-10	1 qt/100
Sword	1/2 pt/A		
Headline SC	3 fl oz/A		
Lambda T2	1.5 fl oz/A		



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)
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
2020	74.7	15.0	60.6	59.9	15.0	59.5	14.6	0.0	1.1
2022	91.2	14.5	62.1	89.3	14.5	61.2	1.9	0.1	0.9
AVERAGE	81.2	14.5	61.2	74.6	14.5	60.8	+ 6.6	0.0	+ 0.4