

2018 East Summary

Variety	Yield (bu/ac)						Test Wt. lbs/bu	Protein %	Heading 1-9	Height 1-9	Lodging 1-9	Fusarium 1-9
	Argusville ND	Crookston MN	Glyndon MN	McVillie ND	Park River ND	Avg.						
Faller	74.2	81.1	92.8	90.2	109.8	89.6	61.3	14.3	6	6	8	3
SY Valda	64.3	79.4	85.4	94.4	109.6	86.6	61.0	14.3	5	5	5	4
WB9590	62.4	80.7	84.0	92.8	112.4	86.5	61.0	15.3	5	4	2	5
WB9479	60.4	81.8	83.1	90.4	110.3	85.2	61.7	15.6	5	4	2	5
HRS 3530	69.5	73.5	78.6	87.1	109.1	83.6	60.7	15.2	6	6	7	2
HRS 3504	62.0	78.3	81.5	91.4	100.8	82.8	59.6	14.1	5	4	6	6
SY Ingmar	72.4	79.1	74.9	84.2	101.5	82.4	61.6	15.3	5	4	2	2
WB-Mayville	71.0	76.0	76.0	80.8	103.4	81.4	60.8	15.2	4	5	3	5
SY Rowyn	70.1	65.7	76.2	88.5	106.8	81.4	60.7	14.2	3	4	6	1
Shelly	63.6	62.3	81.4	91.4	107.4	81.2	60.3	14.8	6	5	7	2
WB9653	57.1	76.5	83.2	86.7	102.3	81.2	60.1	13.9	5	5	6	4
Ambush	53.6	79.3	85.2	80.5	103.8	80.5	61.0	15.1	3	5	6	4
SY Soren	59.3	75.0	76.0	81.7	95.3	77.5	60.6	15.4	4	4	2	3
Linkert	64.5	75.3	70.5	78.0	96.8	77.0	60.8	15.4	4	4	2	3
TCG-Climax	69.3	75.7	74.1	76.4	88.2	76.7	62.8	16.3	7	5	4	6
Knudson	57.9	69.2	75.7	78.6	97.1	75.7	59.9	14.2	5	5	7	5
Bolles	58.5	61.2	78.8	75.8	94.2	73.7	60.0	16.8	6	6	7	3
HRS 3616	50.2	61.1	73.5	81.2	101.7	73.5	59.2	16.1	5	5	5	3
ND-VitPro	60.9	69.1	69.1	75.2	91.4	73.1	62.2	15.7	4	5	6	3
Lang-MN	63.3	65.9	70.5	70.5	92.2	72.5	60.8	16.0	6	6	8	2
Glenn	51.0	64.2	75.2	74.3	92.6	71.4	62.3	15.7	3	6	7	3
Mean	64.2	74.1	78.3	83.0	102.2	80.4	61.0	15.0	4.6		4.4	3.2
LSD (5%)	6.5	8.2	7.8	6.5	7.6	5.6	1.1	0.6	0.6		2.1	
CV %	6.2	6.8	6.1	4.8	4.6	5.6	1.4	3.4	13.4		23.9	

Numerical ratings: Heading: 1= early; Height: 1 = short; Lodging: 1 = no lodging

These agronomic assessments are made by Syngenta scientists and reflect each variety's relative performance within these characteristics through the 2018 crop year. Specific conditions may cause variations within those characteristics. These relative protection values are based on current pest and disease populations. These have been known to shift periodically and may cause changes in specific evaluations. Resistance to many other diseases and pests is sensitive to environmental conditions, plant development stages and the presence and intensity of other diseases which may result in specific evaluation inconsistencies. This chart is updated annually to reflect the most current trends.

Syngenta Data, 2016-2018

Three-Year East Summary Ranked by Yield

Variety	Economic Return ¹		Yield (bu/ac)					3-Yr Avg						
	\$/Bu	Gross \$/a	2016	2017	2018	2-yr Avg	3-yr Avg	Test Wt. lbs/bu	Protein %	Heading 1-9	Height 1-9	Lodging 1-9	Bac. Leaf Streak 1-9	FHB 1-9
Faller	\$5.54	\$515.34	79.7	107.0	89.6	98.3	93.0	60.3	13.9	6	6	8	3	3
SY Valda	\$5.60	\$499.98	80.2	99.2	86.6	92.9	89.3	59.8	14.0	5	5	5	3	4
HRS 3530	\$6.00	\$534.26	83.4	99.0	83.6	91.3	89.0	60.4	14.5	6	6	6	5	2
WB9653	\$5.43	\$469.77	77.0	99.5	81.2	90.3	86.5	59.9	13.7	5	4	5	4	4
SY Ingmar	\$6.47	\$535.93	74.6	89.8	82.4	86.1	82.8	61.3	15.1	5	4	3	4	2
WB-Mayville	\$6.32	\$521.74	68.4	95.0	81.4	88.2	82.6	60.4	14.9	3	4	2	6	5
SY Rowyn	\$5.60	\$462.28	74.2	90.3	81.4	85.9	82.5	60.3	14.0	4	4	6	4	1
Knudson	\$5.68	\$464.64	79.8	89.5	75.7	82.6	81.8	59.7	14.1	5	5	6	4	5
SY Soren	\$6.39	\$512.44	74.2	87.7	77.5	82.6	80.2	60.4	15.0	4	4	3	4	3
Linkert	\$6.63	\$526.50	71.0	88.5	77.0	82.8	79.4	60.9	15.3	4	4	2	4	3
Bolles	\$7.19	\$562.29	67.6	91.2	73.7	82.4	78.2	59.7	16.4	6	6	6	4	3
Glenn	\$6.55	\$491.40	66.5	85.5	71.4	78.4	75.0	61.9	15.2	2	6	6	5	3
Shelly				104.0	81.2	92.6								
Ambush				92.9	80.5	86.7								
HRS 3504				98.1	82.8	90.4								
HRS 3616				93.8	73.5	83.7								
Mean			76.8	94.9	80.4	87.2	83.4	60.5	14.7	4.6	5.0	4.8	4.2	3.3
LSD (5%)			7.4	5.6	5.6	4.0	3.5	0.7	0.4	0.4		1.6		
CV %			9.6	5.8	5.6	5.7	6.9	1.5	3.3	12.7		27.1		
No. of Locs.			5	5	5	10	14	13	13	14	14	5	1	1

Numerical ratings: Heading: 1= early; Height: 1 = short; Lodging: 1 - no lodging; Disease: 1 = no disease

All Year Locations: Argusville, Glyndon, McVillage, Park River, ND and Crookston, MN

¹ Economic return calculated using Sept local cash grain price of \$5.60 for 14% protein and 10 yr avg MGE protein premium/discounts (Mendota Wheat & Milling Associates).

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Syngenta Data, 2016-2018

Three-Year East Summary Ranked by Economic Return

Variety	Economic Return ¹		Yield (bu/ac)					3-Yr Avg						
	\$/Bu	Gross \$/a	2016	2017	2018	2-yr Avg	3-yr Avg	Test Wt. lbs/bu	Protein %	Heading 1-9	Height 1-9	Lodging 1-9	Bac. Leaf Streak 1-9	FHB 1-9
Bolles	\$7.19	\$562.29	67.6	91.2	73.7	82.4	78.2	59.7	16.4	6	6	6	4	3
SY Ingmar	\$6.47	\$535.93	74.6	89.8	82.4	86.1	82.8	61.3	15.1	5	4	3	4	2
HRS 3530	\$6.00	\$534.26	83.4	99.0	83.6	91.3	89.0	60.4	14.5	6	6	6	5	2
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Glenn	\$6.55	\$491.40	66.5	85.5	71.4	78.4	75.0	61.9	15.2	2	6	6	5	3
WB9653	\$5.43	\$469.77	77.0	99.5	81.2	90.3	86.5	59.9	13.7	5	4	5	4	4
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Mean			76.8	94.9	80.4	87.2	83.4	60.5	14.7	4.6	5.0	4.8	4.2	3.3
LSD (5%)			7.4	5.6	5.6	4.0	3.5	0.7	0.4	0.4		1.6		
CV %			9.6	5.8	5.6	5.7	6.9	1.5	3.3	12.7		27.1		
No. of Locs.			5	5	5	10	14	13	13	14	14	5	1	1

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