

Syngenta Data

## 2021 Montana Summary

Variety	Yield (bu/ac)			Test Wt. lbs/bu	Protein %	Height 1-9	Sawfly 1-9
	Avg.	Conrad MT	Ft. Benton MT				
Dagmar	39.7	41.1	38.2	60.9	16.6	7	3
WB9879 CLP	39.5	37.6	41.5	60.0	16.4	6	2
MT Sidney	38.7	38.4	39.1	60.3	16.3	7	6
<b>SY 611 CL2</b>	<b>38.5</b>	38.0	38.9	61.5	16.1	5	4
NS Presser CLP	38.3	40.4	36.1	59.0	15.6	7	5
<b>AP Gunsmoke CL2</b>	<b>37.9</b>	34.3	41.5	61.6	16.6	6	5
Duclair	37.9	37.0	38.8	59.5	16.4	7	3
Corbin	35.9	34.3	37.6	62.5	16.4	6	3
<b>SY Ingmar</b>	<b>35.6</b>	32.8	38.4	62.0	17.3	5	5
<b>SY Soren</b>	<b>35.4</b>	31.1	39.7	61.8	17.4	4	4
<b>AP Smith</b>	<b>35.4</b>	33.1	37.7	61.9	16.7	4	4
Reeder	35.2	35.2	35.2	60.0	16.9	7	4
<b>SY Longmire</b>	<b>34.8</b>	32.9	36.7	61.3	16.6	5	4
Lanning	33.6	34.1	33.1	59.5	17.1	5	6
Vida	33.2	32.8	33.6	57.9	16.2	6	5
<b>SY Rockford</b>	<b>32.7</b>	33.3	32.1	59.5	17.0	5	5
<b>AP Murdock</b>	<b>32.3</b>	33.4	31.2	60.0	17.0	5	6
<b>SY Valda</b>	<b>31.4</b>	31.8	30.9	61.1	16.4	4	5
Mean	35.3	34.2	36.5	60.5	16.6		
LSD (5%)		3.3	5.0	2.9	0.9		
CV (%)	7.3	5.8	8.3	2.0	1.7		
No. of Locs.	2			2	2	2	2

Numerical ratings: Heading: 1= early; Height: 1 = short; Sawfly 1 = resistant

These agronomic assessments are made by Syngenta scientists and reflect each variety's relative performance within these characteristics through the 2021 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, 2019-2021

## Three-Year Montana Summary Ranked by Three-Year Yield Average

Variety	Yield (bu/ac)			Protein %	Economic Return <sup>1</sup>			Agronomics and Sawfly			
	3-yr Avg	2-yr Avg	2021	3-yr Avg	Rank	\$/Bu	Gross \$/A	Heading 1-9	Height 1-9	Lodging 1-9	Sawfly 1-9
WB9879 CLP	45.1	44.9	39.5	16.1	1	9.53	\$429.8	6	5	NA	2
Duclair	44.9	45.6	37.9	15.6	3	9.42	\$423.1	4	6	4	2
<b>AP Gunsmoke CL2</b>	<b>44.7</b>	42.1	37.9	15.8	2	9.48	\$423.6	5	5	4	8
NS Presser CLP	44.7	44.8	38.3	14.8	4	9.21	\$411.5	7	6	NA	8
Reeder	43.4	42.8	35.2	15.8	5	9.48	\$411.3	4	6	5	8
Vida	42.7	42.2	33.2	15.2	9	9.31	\$397.7	6	6	4	4
<b>SY 611 CL2</b>	<b>42.5</b>	41.3	38.5	15.5	7	9.40	\$399.3	5	4	4	8
Lanning	42.2	40.9	33.6	15.9	6	9.50	\$401.0	4	5	4	8
<b>AP Smith</b>	<b>42.1</b>	40.0	35.4	15.7	8	9.45	\$397.8	6	4	2	8
<b>SY Rockford</b>	<b>41.9</b>	40.3	32.7	15.3	11	9.34	\$391.4	6	6	4	8
<b>SY Soren</b>	<b>41.2</b>	39.4	35.4	16.2	10	9.53	\$392.6	4	4	3	8
<b>AP Murdock</b>	<b>41.2</b>	39.1	32.3	15.8	12	9.48	\$390.4	4	4	4	8
<b>SY Longmire</b>	<b>41.2</b>	41.2	34.8	15.6	14	9.42	\$388.2	5	5	5	2
<b>SY Ingmar</b>	<b>40.8</b>	38.2	35.6	16.3	13	9.53	\$388.8	5	5	3	8
Corbin	40.6	40.4	35.9	15.6	15	9.42	\$382.5	4	5	2	3
<b>SY Valda</b>	<b>40.5</b>	38.1	31.4	15.2	16	9.31	\$377.2	5	5	5	8
Dagmar		46.7	39.7					4	6	NA	3
Mean	42.4	41.6	35.3	15.7							
LSD (5%)	3.3	4.0		0.5							
CV (%)	8.6	8.6	7.3	3.6							
No. of Locs.	8	5	2	8							

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

2019 Locations: Conrad, Fort Benton, and Havre, MT

2020 Locations: Conrad, Fort Benton, and Havre, MT

2021 Locations: Conrad and Fort Benton, MT

<sup>1</sup> Economic return calculated using Sept. local cash grain price of \$8.99 for 14% protein and 10-year average MGE protein premium/discounts (USDA, AMS, 2021).

These agronomic assessments are made by Syngenta scientists and reflect each variety's relative performance within these characteristics through the 2021 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.