

Syngenta Data

2022 Montana Summary

Variety	Yield bu/ac			Test Wt. lbs/bu	Height 1-9	Sawfly 1-9
	Avg.	Conrad MT	Ft. Benton MT			
WB9516	39.7	46.9	32.4	54.4	4	5
Dagmar	39.6	46.1	33.0	53.8	4	3
MT Sidney	38.3	46.5	30.1	53.4	4	6
Vida	37.1	43.5	30.6	54.7	4	7
SY Ingmar	36.4	46.3	26.6	54.9	4	7
WB9879CLP	36.1	45.4	26.9	57.1	4	5
SY Longmire	35.1	39.1	31.0	56.2	4	4
Lanning	34.4	39.5	29.4	52.3	4	6
NS Presser CL	33.7	41.7	25.6	60.3	4	7
SY Rockford	33.6	39.3	28.0	53.3	4	5
AP Smith	33.0	40.9	25.1	56.7	4	7
Duclair	32.8	39.0	26.7	57.8	4	3.7
AP Gunsmoke CL²	32.7	38.4	27.1	51.8	4	7
SY 611 CL²	32.5	37.4	27.7	55.0	4	7
Corbin	32.0	40.9	23.1	54.7	4	6
AP Murdock	30.9	36.7	25.1	58.1	4	7
Mean	34.9	39.4	27.4	55.3		
LSD (5%)	5.9	5.8	5.4	4.1		
CV (%)	14.7	17.3	11.9	7.9		
No. of Locs.	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 2022 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, 2020-2022

Three-Year Montana Summary

Ranked by Three-Year Yield Average

Variety	Yield bu/ac			Protein %	Economic Return ¹			Agronomics and Sawfly			
	3-yr Avg	2-yr Avg	2022	3-yr Avg	\$/Bu	Gross \$/A	Rank	Heading 1-9	Height 1-9	Lodging 1-9	Sawfly 1-9
Dagmar	44.6	39.6	39.6	15.6	9.46	\$421.4	1	4	6	NA	3
WB9879CLP	42.4	37.8	36.1	16.0	9.52	\$404.2	2	6	5	NA	2
Duclair	42.0	35.4	32.8	15.5	9.43	\$395.5	3	6	6	4	2
NS Presser CL	41.6	36.0	33.7	14.5	9.24	\$383.9	4	7	6	NA	8
Vida	41.1	35.1	37.1	15.0	9.34	\$383.8	5	6	6	4	4
AP Gunsmoke CL²	39.8	35.3	32.7	15.7	9.48	\$376.8	6	6	5	4	8
SY Longmire	39.4	34.9	35.1	15.5	9.42	\$370.9	7	3	5	5	2
Lanning	39.0	34.0	34.4	15.7	9.47	\$369.5	8	5	5	4	8
SY 611 CL²	38.8	35.5	32.5	15.3	9.39	\$364.4	9	6	4	4	8
Corbin	38.3	34.0	32.0	15.5	9.42	\$361.1	11	7	5	2	3
AP Murdock	38.2	32.3	30.9	15.8	9.49	\$362.5	10	4	4	4	8
AP Smith	38.0	34.2	33.0	15.8	9.49	\$360.7	12	4	4	2	8
SY Rockford	38.0	33.2	33.6	15.6	9.45	\$359.0	14	4	6	4	8
SY Ingmar	37.7	36.0	36.4	16.3	9.53	\$359.3	13	5	5	3	8
Mean	42.4	35.7	34.9	15.5							
LSD (5%)	3.3	3.5	5.9	0.6							
CV (%)	8.6	12.0	14.7	3.7							
No. of Locs.	7	5	2	5							

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

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

2021 Locations: Conrad and Fort Benton, MT

2022 Locations: Conrad and Fort Benton, MT; No protein data available

¹ Economic return calculated using September local cash grain price of \$9.13 for 14% protein and 10-year average protein discount/premium up to 16% protein (USDA, AMS, 2022).

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