Quality of western Canadian oats in 2025

This report presents harvest quality data and production statistics for western Canadian oats grown in 2025. Oat samples were submitted to the Canadian Grain Commission's Harvest Sample Program by producers. Quality data are compiled from the results of analytical tests performed in the Grain Research Laboratory and will be updated as more samples are received.

On this page

Harvest quality data

Results are preliminary and based on samples of oats received by the Harvest Sample Program as of October 24, 2025. Sixty-three samples were received from various growing districts in Manitoba (33), Saskatchewan (24), and Alberta (6). The majority of samples were graded No. 2 Canada Western (CW) based on their test weight (Figure 1). The protein content of No. 1 and No. 2 was slightly below the 5-year average for each grade (Figure 2).

Figure 1 Comparison of test weight (kg/hL) for oat samples received by the Harvest Sample Program from 2020 to 2025. Sample numbers for each year are in parentheses. Data for 2025 are as of October 24.

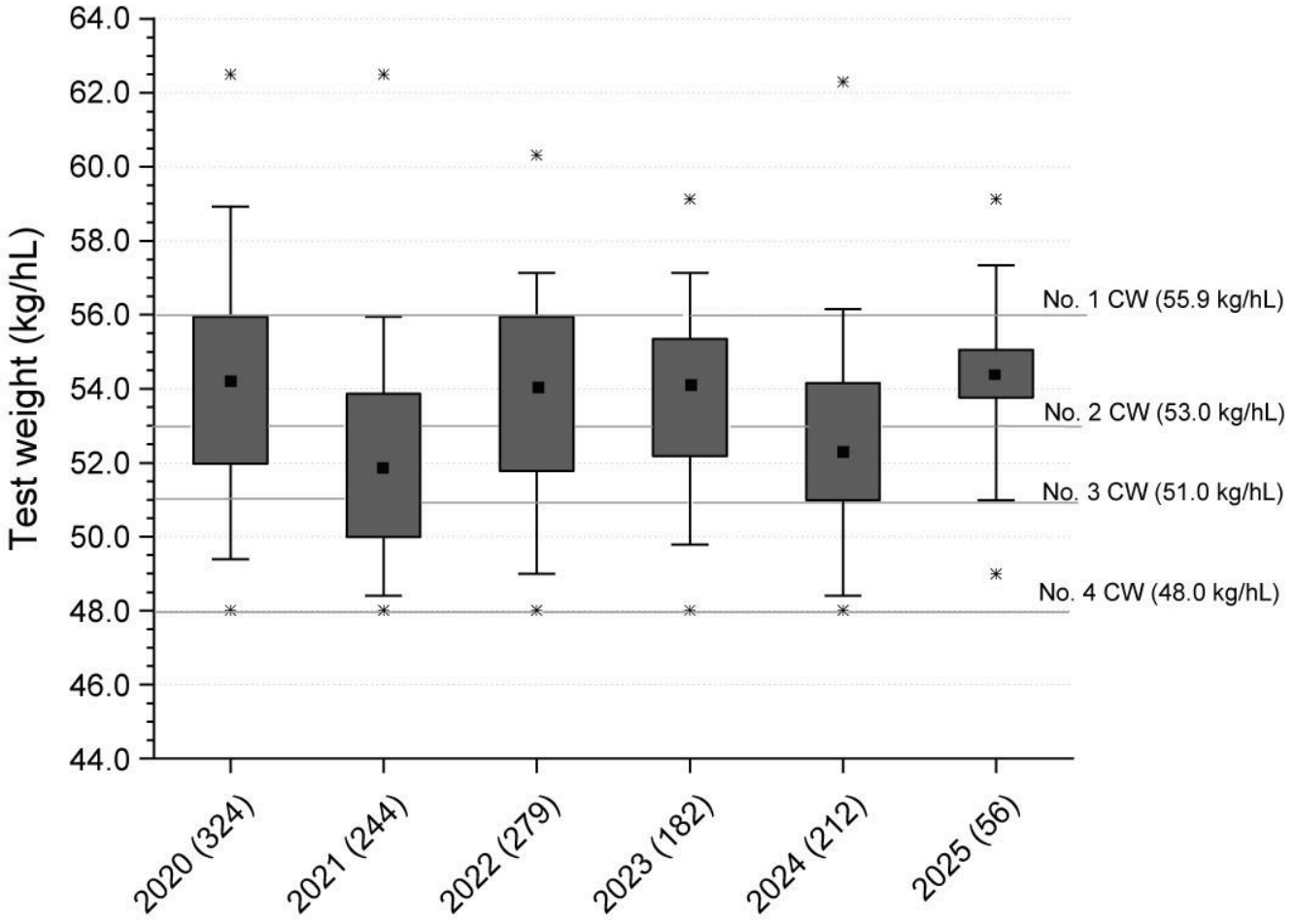

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Figure 2 Average protein content [1] for oat samples received by the Harvest Sample Program from 2020 to 2025. Data for 2025 are as of October 24.

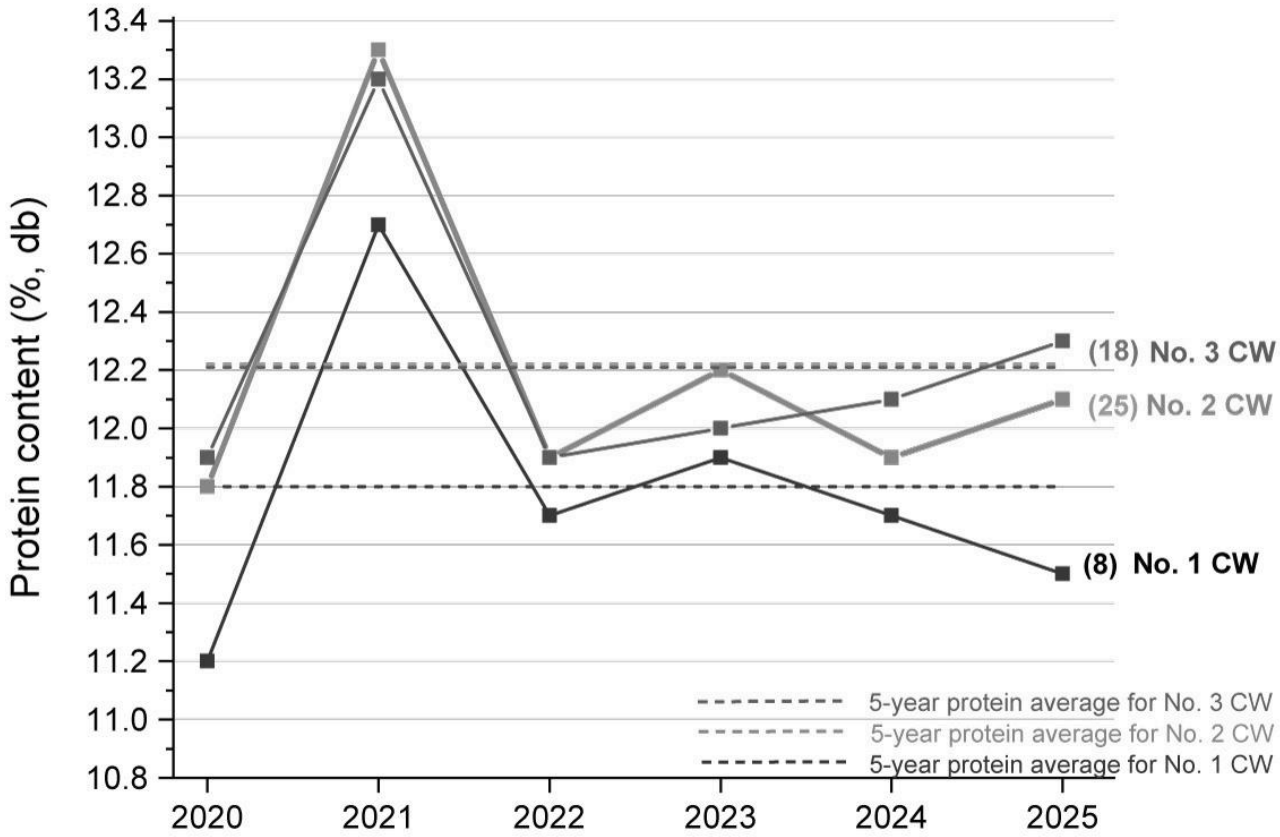

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Table 1 Protein content (%, db (dry basis)) and test weight (kg/hL (kilograms per hectolitres)) by variety for oat samples received by the Harvest Sample Program as of October 24, 2025

Oats, No. (Number) 1 Canada Western

Variety	Number of samples	Protein content [1], % db (dry basis)		Test weight, kg/hL (kilograms per hectolitre)	
		Mean	SD (Standard deviation)	Mean	SD (Standard deviation)
AAC Douglas	2	12.3	0.2	54.1	0.6

Variety	Number of samples	Protein content [1], % db (dry basis)		Test weight, kg/hL (kilograms per hectolitre)	
		Mean	SD (Standard deviation)	Mean	SD (Standard deviation)
AC Morgan	1	12.8	NS [*]	58.9	NS
CDC Anson	0	NS	NS	NS	NS
CDC Arborg	1	9.6	NS	55.9	NS
CDC Endure	3	10.2	0.2	56.9	0.5
CS Camden	0	NS	NS	NS	NS
Legget	0	NS	NS	NS	NS
Summit	0	NS	NS	NS	NS

Oats, No. (Number) 2 Canada Western

Variety	Number of samples	Protein content [1], % db (dry basis)		Test weight, kg/hL (kilograms per hectolitre)	
		Mean	SD (Standard deviation)	Mean	SD (Standard deviation)
AAC Douglas	4	12.3	1.0	54.1	0.7

Variety	Number of samples	Protein content [1], % db (dry basis)		Test weight, kg/hL (kilograms per hectolitre)	
		Mean	SD (Standard deviation)	Mean	SD (Standard deviation)
AC Morgan	2	11.6	0.6	54.7	0.4
CDC Anson	4	12.0	1.0	54.2	1.0
CDC Arborg	4	12.2	0.6	53.8	0.5
CDC Endure	4	11.4	0.5	54.3	0.2
CS Camden	3	12.8	0.3	54.7	1.1
Legget	2	13.1	0.9	55.3	0.1
Summit	1	11.3	NS [*]	54.0	NS

Oats, No. (Number) 3 Canada Western

Variety	Number of samples	Protein content [1], % db (dry basis)		Test weight, kg/hL (kilograms per hectolitre)	
		Mean	SD (Standard deviation)	Mean	SD (Standard deviation)
AAC Douglas	1	12.4	NS [*]	52.4	NS

Variety	Number of samples	Protein content [1], % db (dry basis)		Test weight, kg/hL (kilograms per hectolitre)	
		Mean	SD (Standard deviation)	Mean	SD (Standard deviation)
AC Morgan	2	12.4	1.3	57.0	2.9
CDC Anson	2	12.7	0.9	53.2	1.4
CDC Arborg	0	NS	NS	NS	NS
CDC Endure	5	11.9	1.1	53.4	1.8
CS Camden	3	11.9	1.3	51.8	1.3
Legget	0	NS	NS	NS	NS
Summit	2	13.2	0.1	54.0	0.3

Oats, No. (Number) 4 Canada Western

Variety	Number of samples	Protein content [1], % db (dry basis)		Test weight, kg/hL (kilograms per hectolitre)	
		Mean	SD (Standard deviation)	Mean	SD (Standard deviation)
AAC Douglas	0	NS [*]	NS	NS	NS

Variety	Number of samples	Protein content [1], % db (dry basis)		Test weight, kg/hL (kilograms per hectolitre)	
		Mean	SD (Standard deviation)	Mean	SD (Standard deviation)
AC Morgan	0	NS	NS	NS	NS
CDC Anson	1	13.3	NS	53.2	NS
CDC Arborg	0	NS	NS	NS	NS
CDC Endure	1	10.8	NS	53.4	NS
CS Camden	1	13.1	NS	49.2	NS
Legget	0	NS	NS	NS	NS
Summit	1	12.7	NS	54.6	NS

Table 2 Distribution of deoxynivalenol (DON) levels (ppm (parts per million)) for all grades of oat samples received by the Harvest Sample Program as of October 24, 2025

DON (ppm (parts per million))	Western Canada (n (number of samples) = 53)	British Columbia (n (number of samples) = 0)	Alberta (n (number of samples) = 4)	Saskatchewan (n (number of samples) = 17)	Manitoba (n (number of samples) = 32)
Below limit (< 0.3)	64.2	0	100	82.4	50.0
0.3 to 0.5	26.4	0	0	17.6	34.4
0.6 to 1.0	9.4	0	0	0	15.6
1.1 to 2.0	0	0	0	0	0
2.1 to 5.0	0	0	0	0	0
5.1 to 6.0	0	0	0	0	0
Above limit (> 6.0)	0	0	0	0	0

Production statistics

Table 3 Area (million hectares) seeded with oats in Canada in 2025 and 2024 [a]

Location	2025	2024	5-year average [b]
Manitoba	0.225	0.212	0.254
Saskatchewan	0.520	0.511	0.672
Alberta	0.340	0.319	0.340
British Columbia	0.037	0.032	0.032
Western Canada	1.122	1.074	1.253
Canada	1.213	1.174	1.370

a Source: Statistics Canada, estimated as of September 17, 2025

b 5-year average from 2020 to 2024

Figure 3 Area (million hectares) seeded with oats in western Canada from 2015 to 2025.

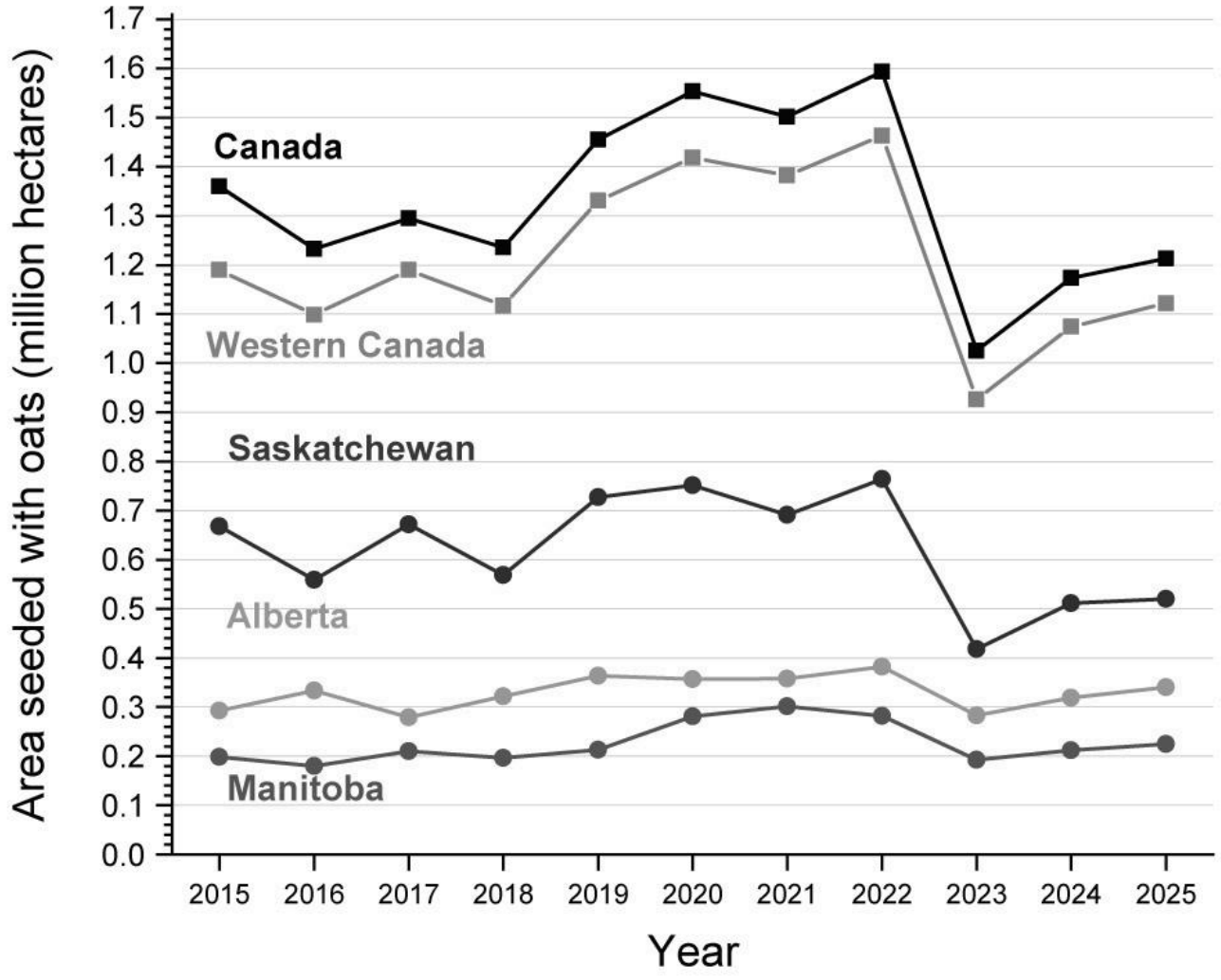

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Table 4 Oat production (million tonnes) in Canada in 2025 and 2024 [a]

Location	2025	2024	5-year average [b]

a Source: Statistics Canada, estimated as of September 17, 2025

b 5-year average from 2020 to 2024

Location	2025	2024	5-year average [b]
Manitoba	0.879	0.934	0.928
Saskatchewan	1.514	1.470	1.704
Alberta	0.677	0.631	0.735
British Columbia	0.072	0.061	0.067
Western Canada	3.142	3.096	3.434
Canada	3.370	3.358	3.740

a Source: Statistics Canada, estimated as of September 17, 2025

b 5-year average from 2020 to 2024

Figure 4 Comparison of oat production (million tonnes) in western Canada from 2015 to 2025.

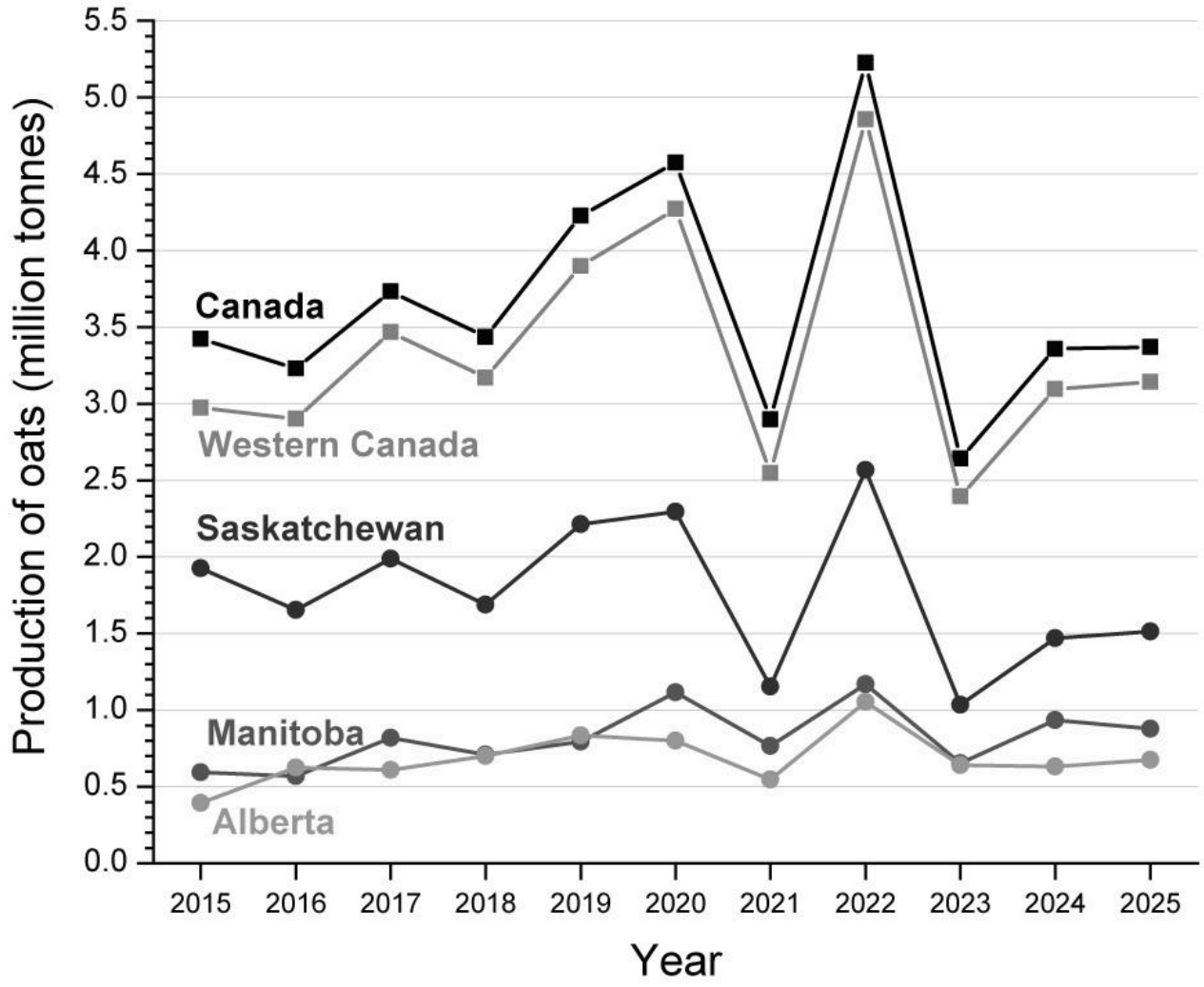

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Figure 5 Distribution of oat classes as a percentage (%) of the total area seeded with oats in western Canada from 2020 to 2025 [2].

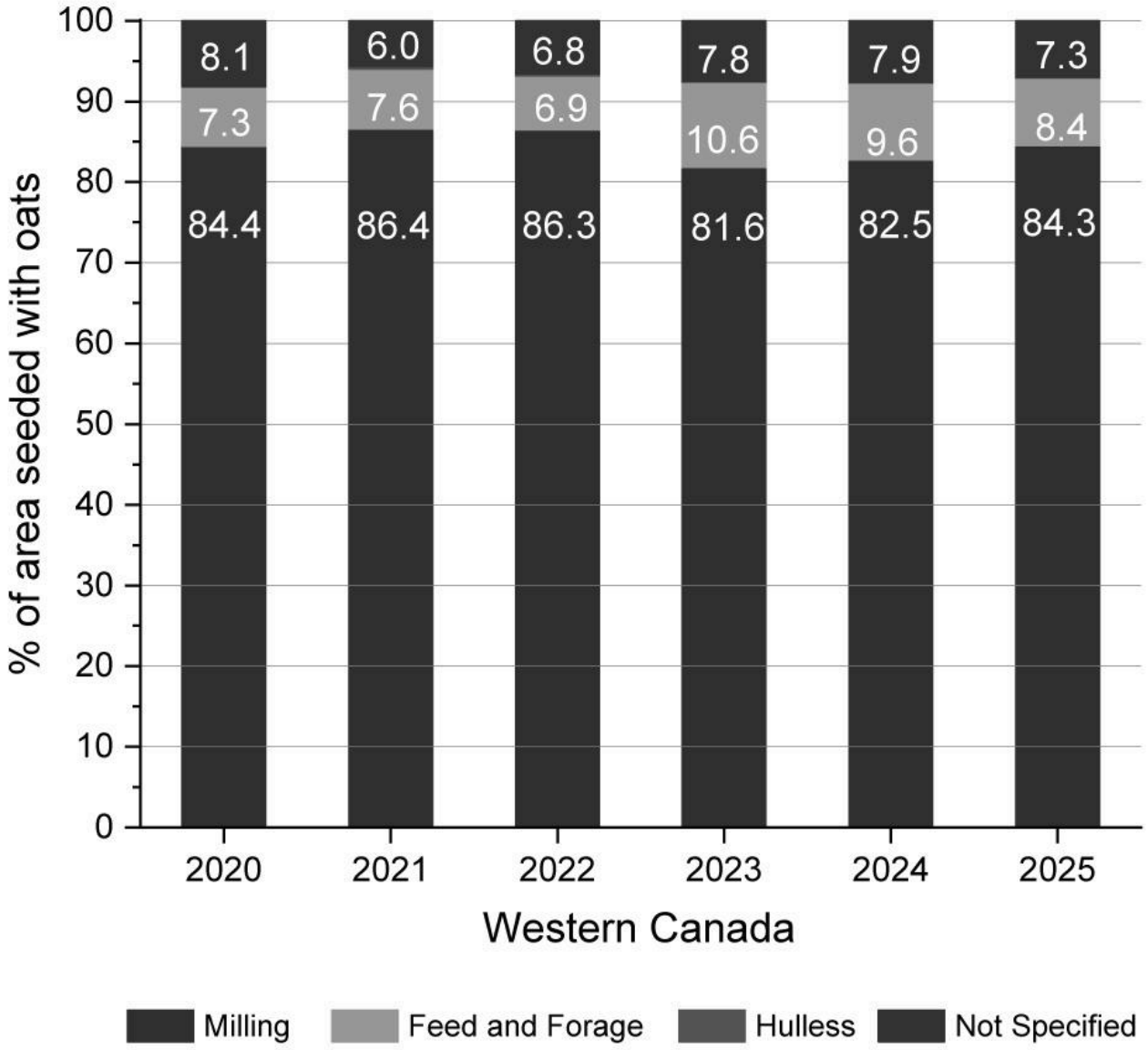

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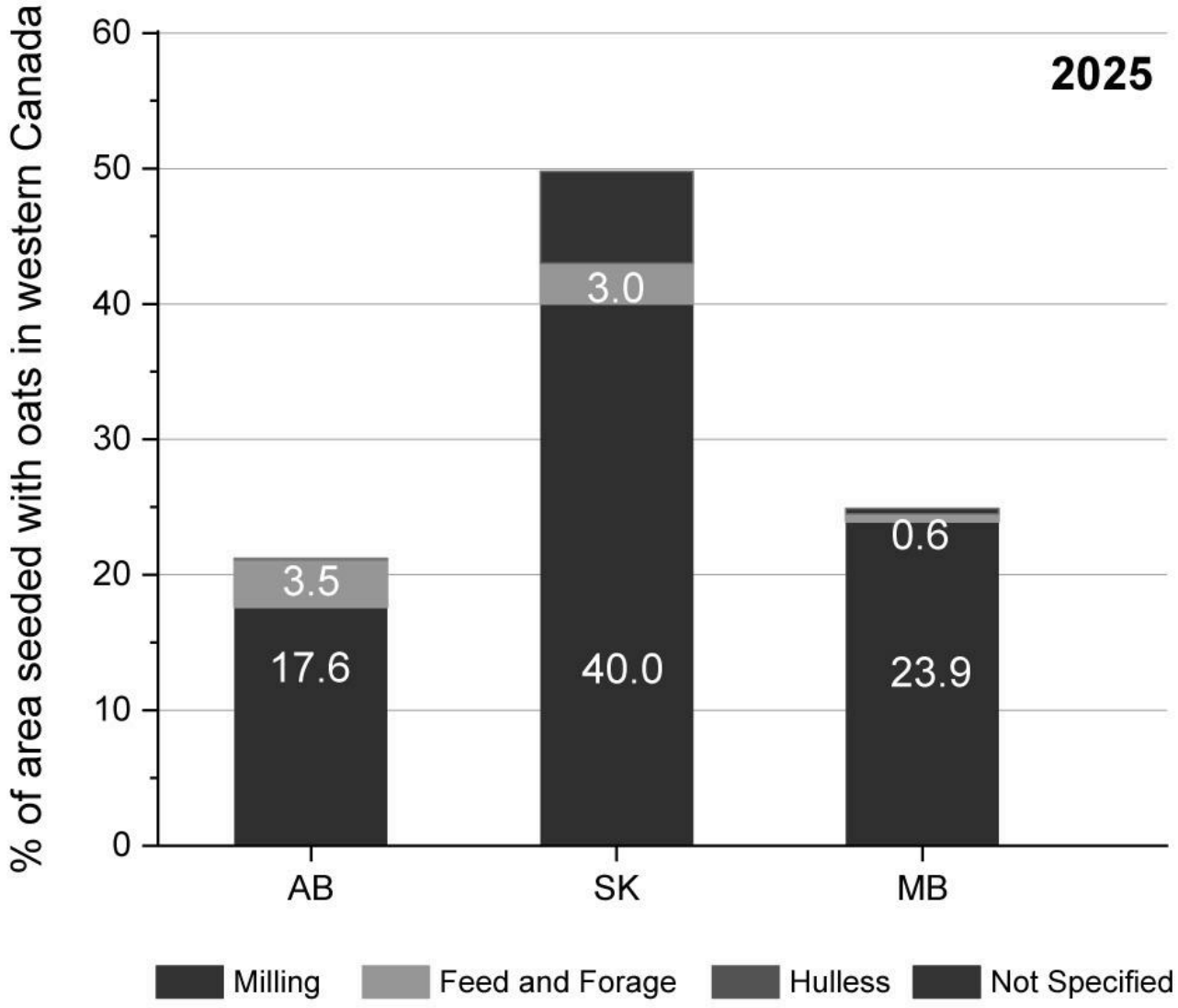
Figure 6 Distribution of oat classes in each province as a percentage (%) of the total area seeded with oats in western Canada in 2025 and 2024 [2].


% of area seeded with oats in western Canada
60
50
40
30
20
10
0
2025
3.5
17.6
3.0
40.0
0.6
23.9
AB
SK
MB
Milling
Feed and Forage
Hulless
Not Specified

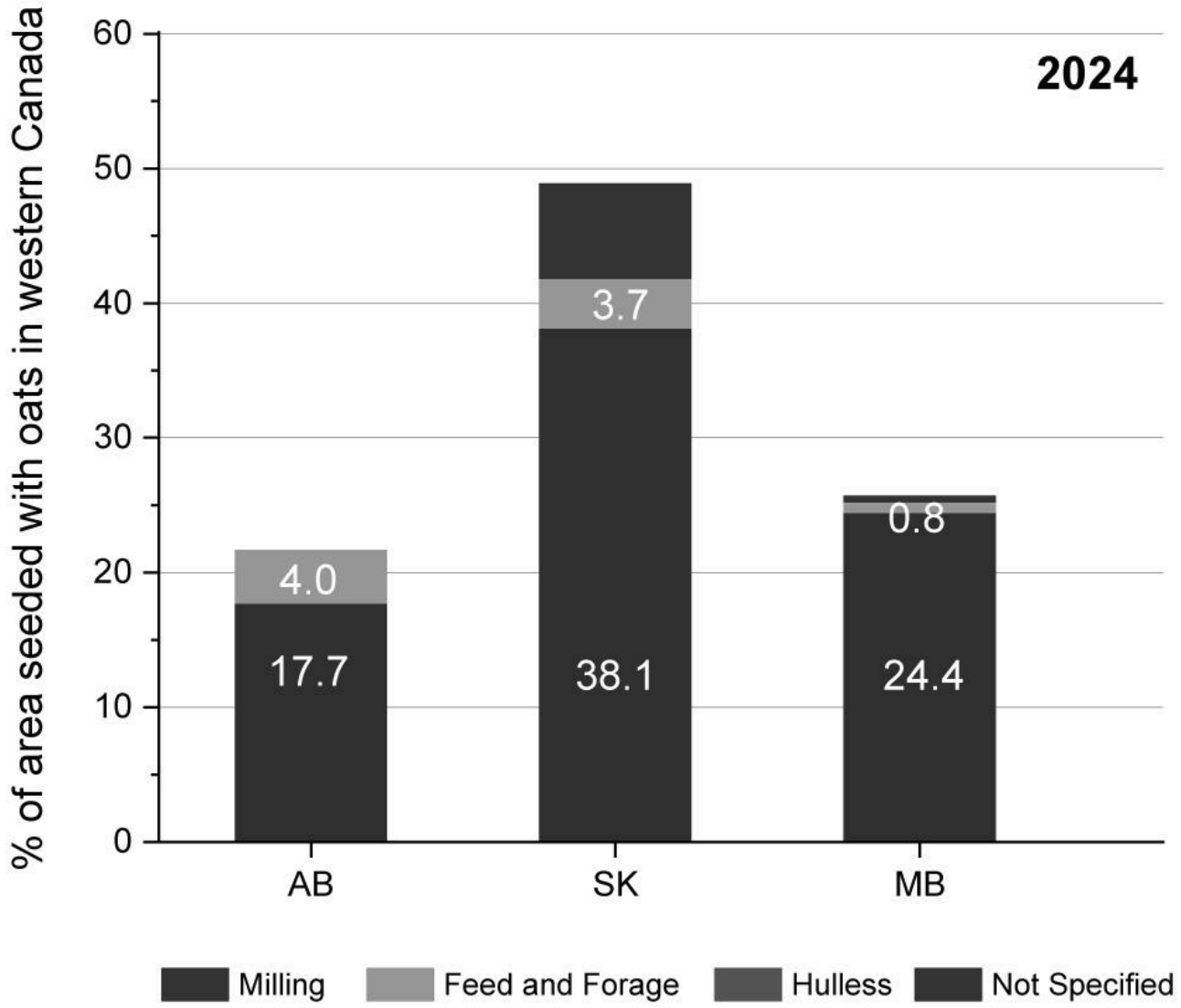


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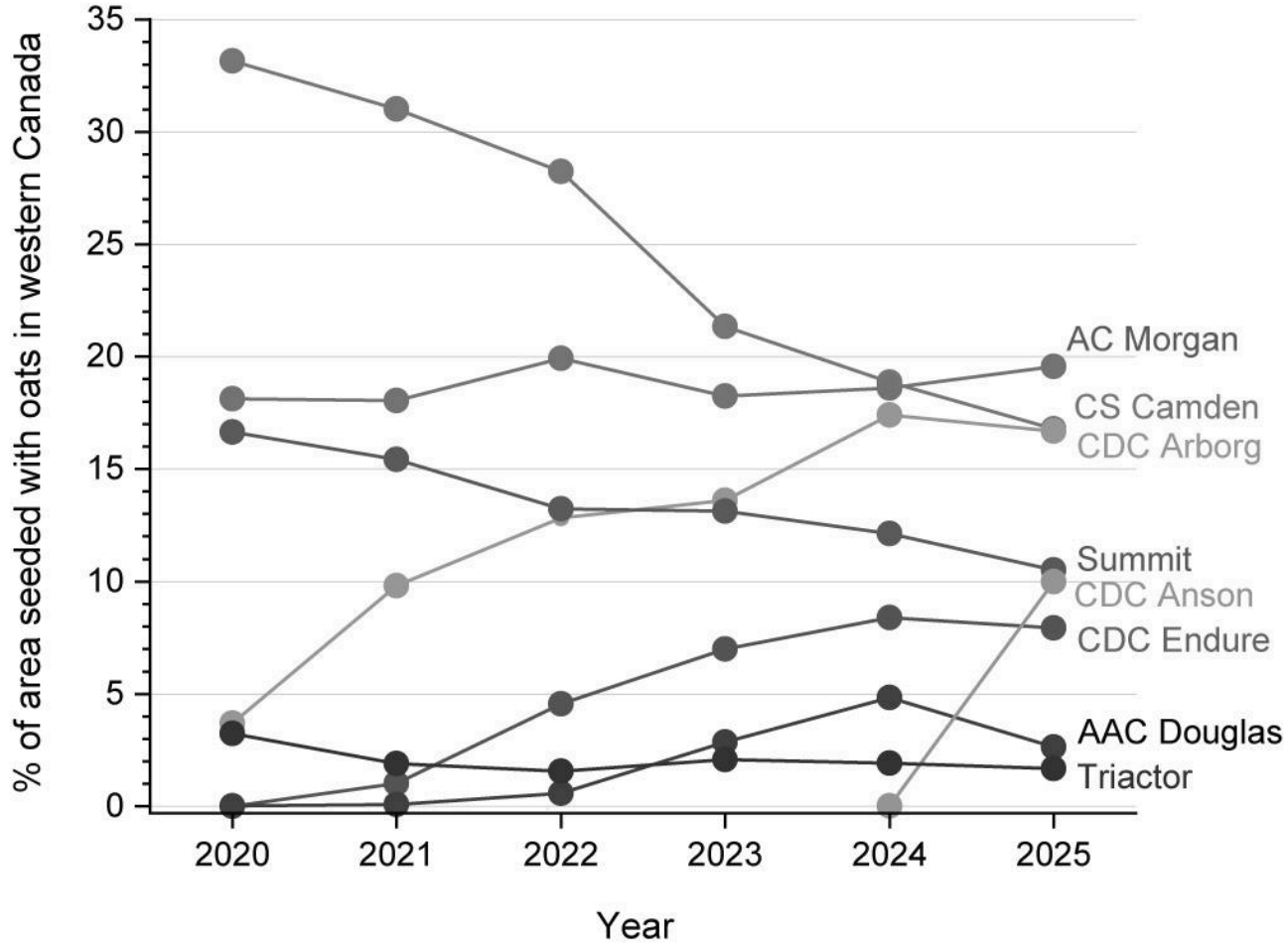
Figure 7 Comparison of areas seeded with oat varieties in western Canada from 2020 to 2025. Variety names, class and registration dates include: AC Morgan (milling-2000), CS Camden (milling-2014), CDC Arborg (milling-2017), Summit (milling-2008), CDC Anson (milling-2022), CDC Endure (milling-2019), AAC Douglas (milling-2019), Triactor (milling-2007), CDC Haymaker (forage-2015), AC Mustang (feed-1994), CDC SO-I (feed-2007), CDC Nasser, CDC Baler [2].


% of area seeded with oats in western Canada
35
30
25
20
15
10
5
0
2020
2021
2022
2023
2024
2025
Year
AC Morgan
CS Camden
CDC Arborg
Summit
CDC Anson
CDC Endure
AAC Douglas
Triactor

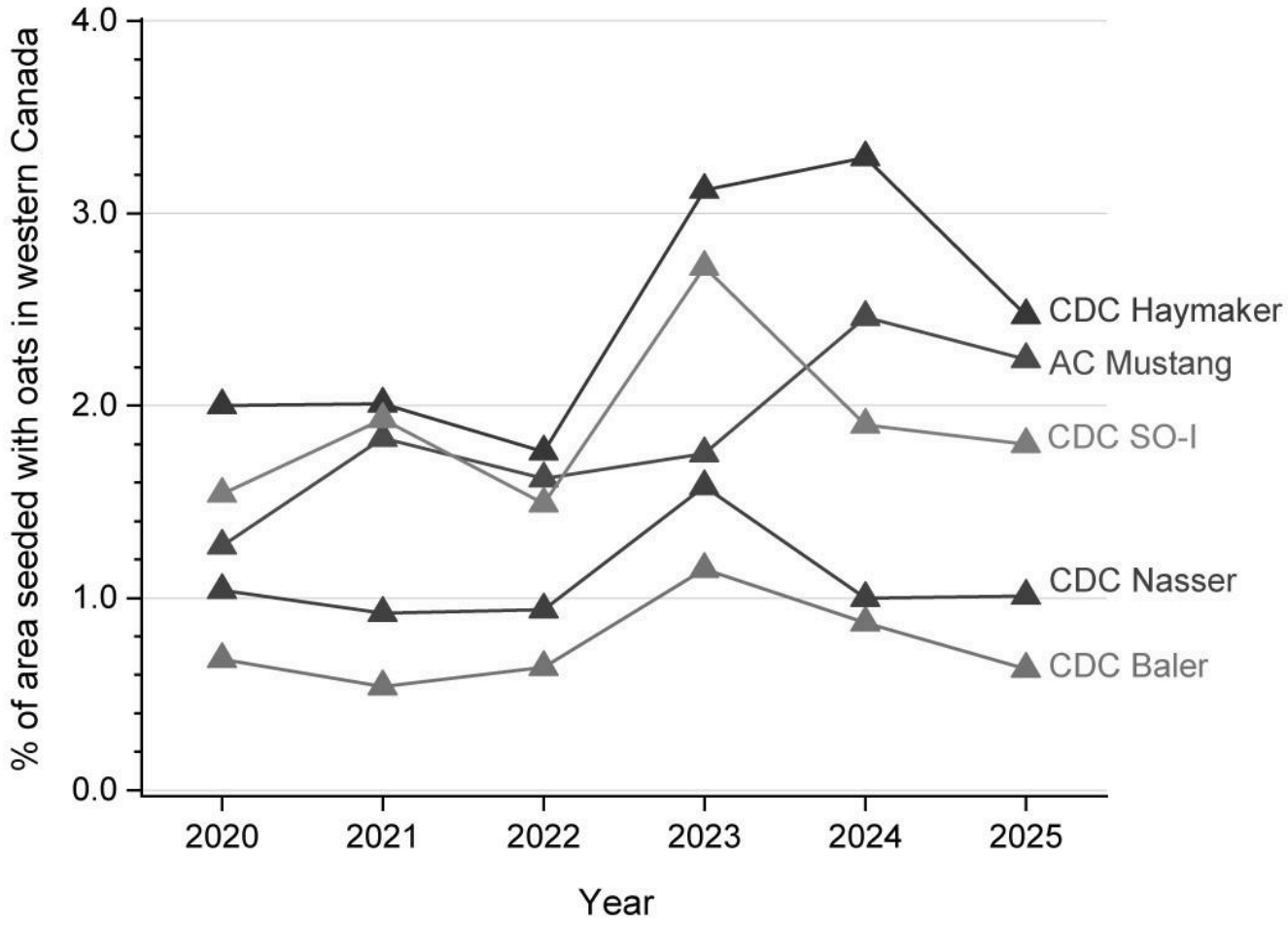


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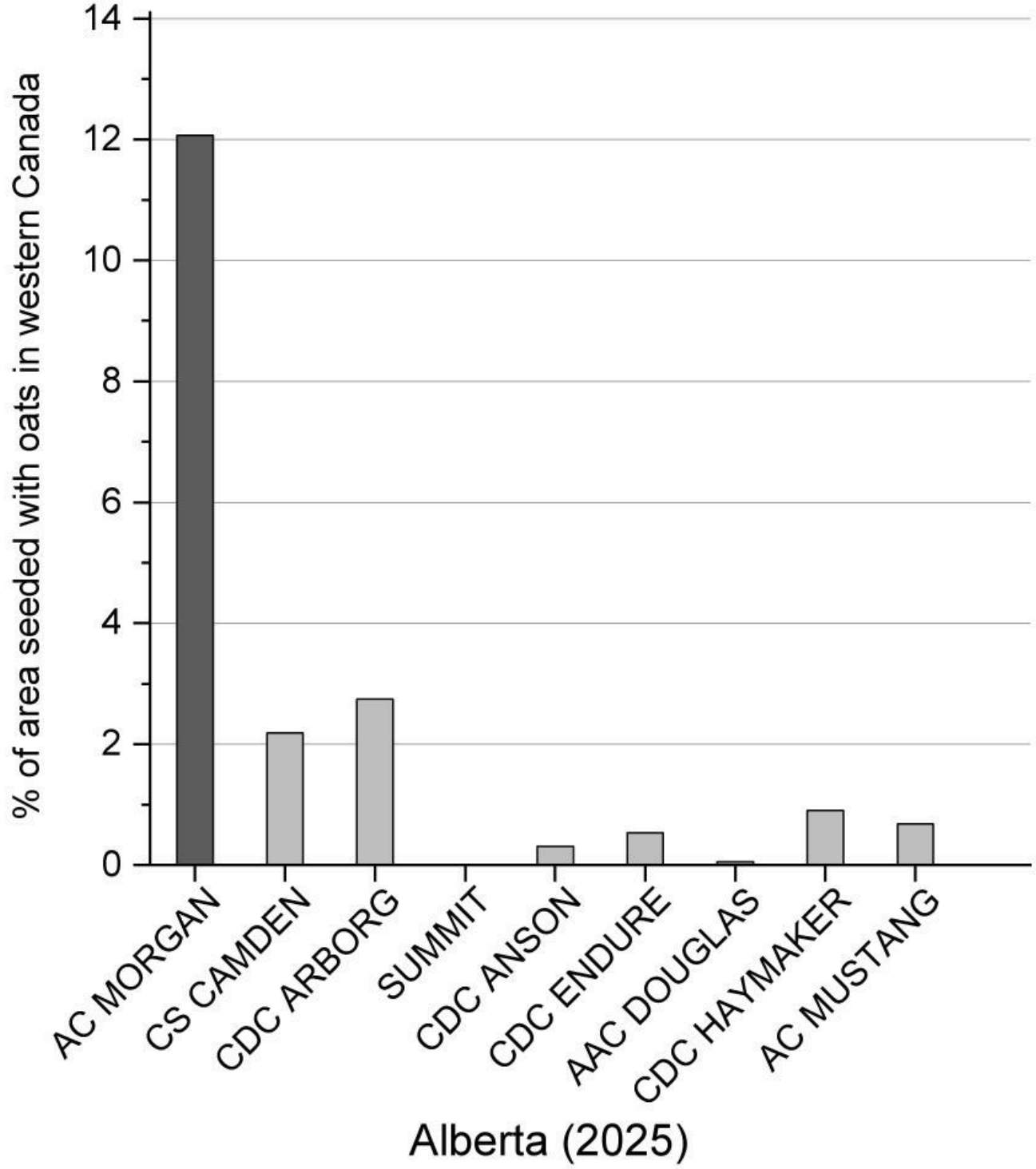
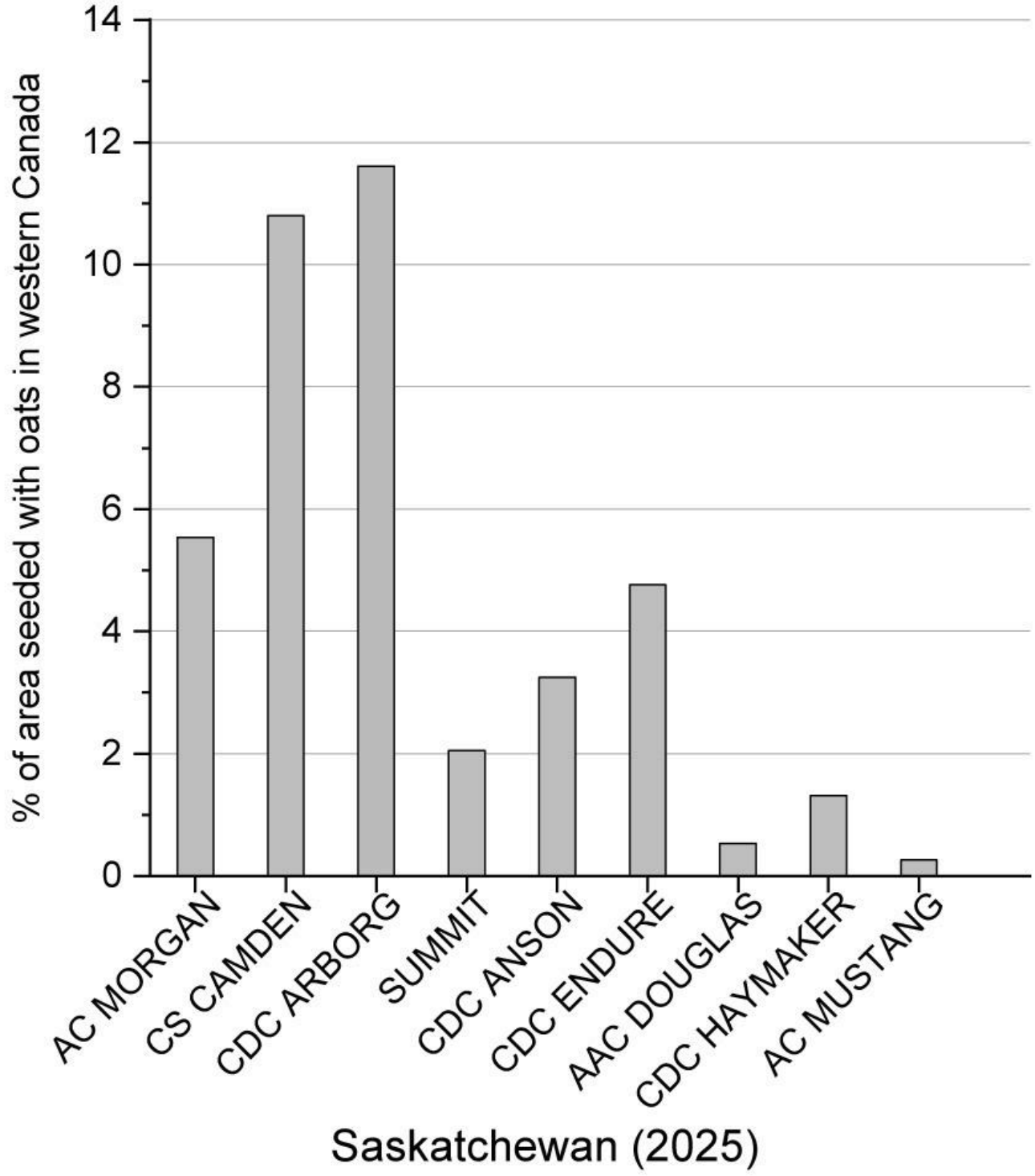
Figure 8 Percentage (%) of area seeded for oat varieties in Alberta, Saskatchewan and Manitoba in 2025 [2].

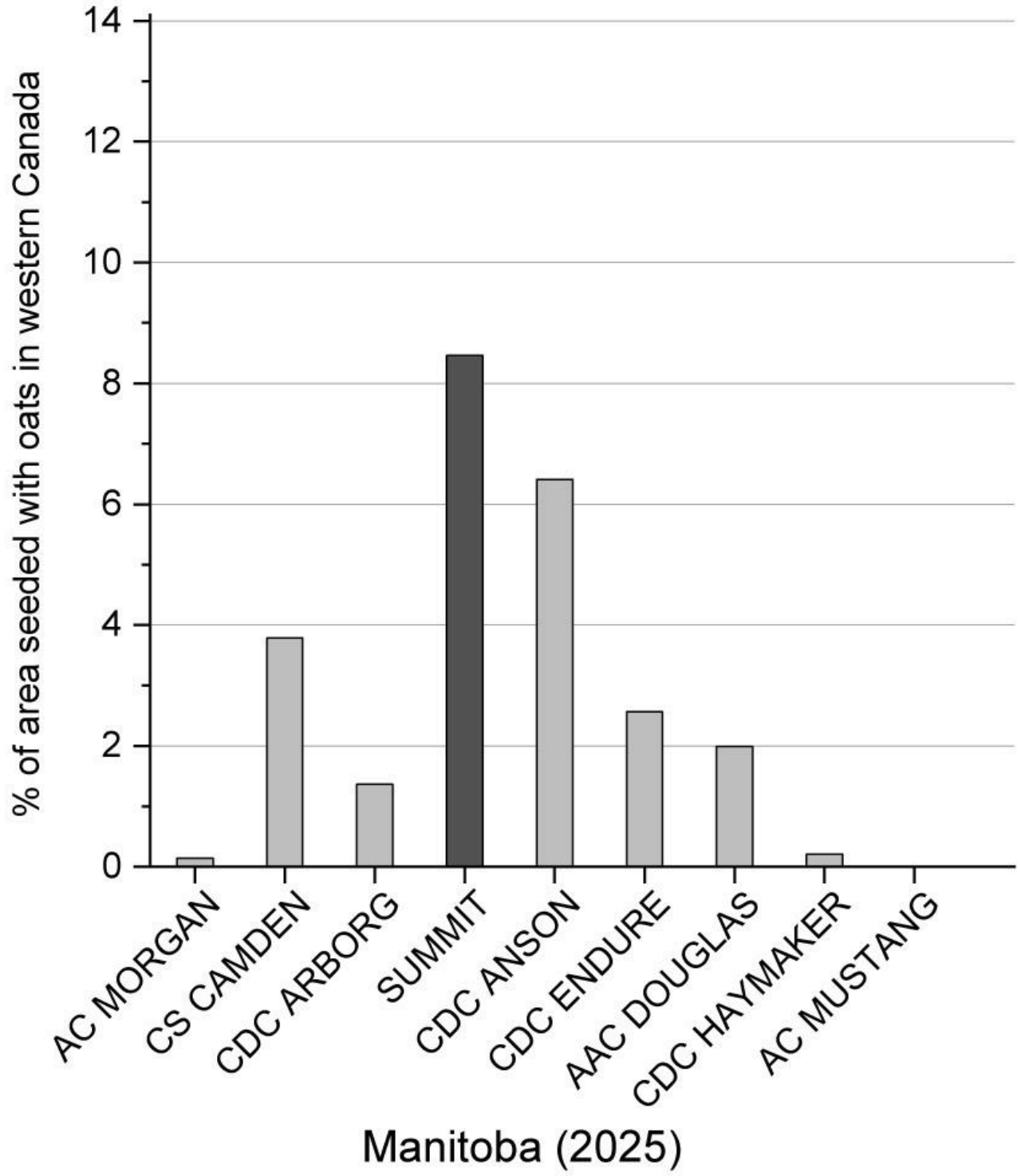
Alberta



Saskatchewan


% of area seeded with oats in western Canada
14
12
10
8
6
4
2
0
AC MORGAN
CS CAMDEN
CDC ARBORG
SUMMIT
CDC ANSON
CDC ENDURE
AAC DOUGLAS
CDC HAYMAKER
AC MUSTANG
Saskatchewan (2025)

Manitoba


% of area seeded with oats in western Canada
14
12
10
8
6
4
2
0
AC MORGAN
CS CAMDEN
CDC ARBORG
SUMMIT
CDC ANSON
CDC ENDURE
AAC DOUGLAS
CDC HAYMAKER
AC MUSTANG
Manitoba (2025)

▶ Graph data

Footnotes

1 Protein content in oats was determined using the Foss Infratec™ 1241 whole grain analyzer using near-infrared (NIR) transmittance technology. NIR calibration was verified by the Combustion nitrogen Analysis reference method. Protein is expressed as Nitrogen x 6.25 on a dry weight basis (db).

2 Data based on crop insurance statistics from each province. Source: Saskatchewan Crop Insurance Corporation, Alberta's Agriculture Financial Services Corporation, Manitoba Agricultural Services Corporation, British Columbia AgriStability and Production Insurance.

* NS = Non sufficient (insufficient number of samples to generate a representative value).

Date modified: 2025-11-04