

Alberta Crop Report

Crop conditions as of June 11, 2024
(Abbreviated Report)

Seeding is virtually complete across the province. Final seeding efforts in the Central, North East, and North West regions slowed due to rainfall over the last week. The rains were accompanied by persistent strong winds through most of the province, leading to an overall reduction in surface soil moisture in all areas but the Peace Region. Crop growth is off to a good start, with the South Region in need of timely rains while the rest of the province needs warmer temperatures.

Table 1: Alberta Major Crop Seeding Progress as of June 11, 2024

	% Seeded					
	South	Central	N East	N West	Peace	Alberta
Spring Wheat *	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%
Barley *	99.3%	98.4%	97.6%	98.4%	100.0%	98.7%
Oats *	97.7%	98.0%	96.7%	98.5%	100.0%	98.3%
Canola *	99.9%	100.0%	99.0%	99.3%	100.0%	99.6%
Dry Peas *	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%
Major Crops (*), June 11	99.8%	99.6%	99.2%	99.4%	100.0%	99.6%
Major Crops (*), June 4	98.6%	98.0%	94.6%	94.7%	98.0%	96.9%
5-year (2019-2023) Avg	99.9%	99.9%	99.6%	98.4%	98.1%	99.4%
10-year (2014-2023) Avg	99.8%	99.7%	98.4%	98.2%	96.2%	98.7%

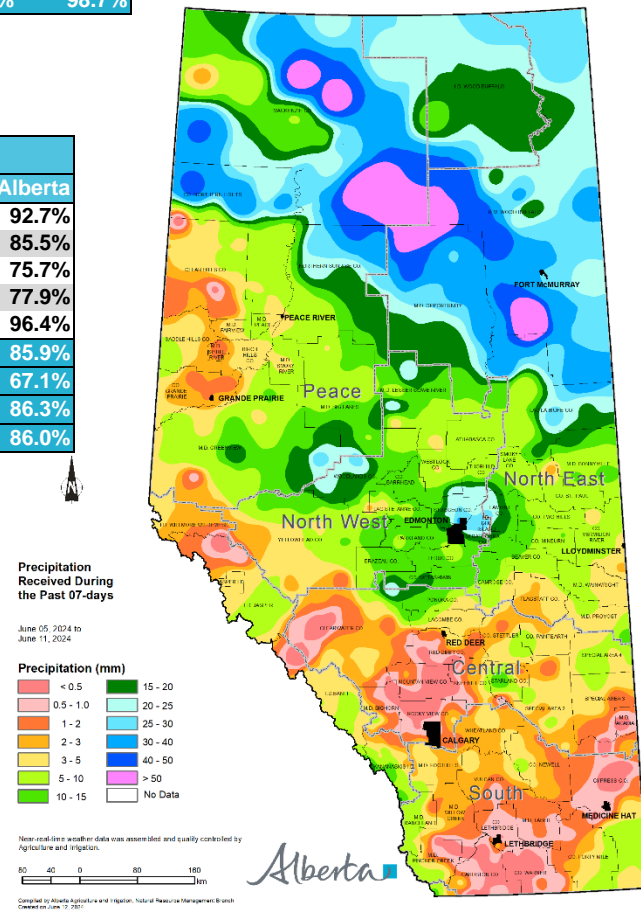
Source: AGI/AFSC Crop Reporting Survey

Table 2: Emergence of Major Crops as of June 11, 2024

	% Emerged					
	South	Central	N East	N West	Peace	Alberta
Spring Wheat	83.6%	97.9%	96.1%	92.9%	93.1%	92.7%
Barley	89.9%	91.9%	76.2%	83.1%	71.7%	85.5%
Oats	76.1%	80.8%	74.2%	77.3%	71.7%	75.7%
Canola	73.4%	85.5%	70.8%	85.9%	79.3%	77.9%
Dry Peas	98.1%	94.9%	99.6%	98.2%	91.2%	96.4%
Average, June 11	84.5%	92.1%	82.6%	87.8%	83.1%	85.9%
Average, June 4	72.9%	72.4%	65.1%	54.3%	63.3%	67.1%
5-year (2019-2023) Avg	90.4%	91.7%	90.1%	79.3%	70.3%	86.3%
10-year (2014-2023) Avg	91.1%	90.2%	87.1%	80.5%	73.8%	86.0%

Source: AGI/AFSC Crop Reporting Survey

The provincial emergence of major crops this week is in line with historical averages, with expectations that crops would be progressing faster if not for persistent cooler temperatures. The emergence of major crops across the province is reported at 86 per cent, which matches both the 5- and 10-year average of 86 per cent. Regionally, emergence of major crops is behind historical averages in the South and North East regions, while emergence is ahead in the Peace, North West, and Central regions. Regional emergence of major crops is reported at 85 per cent for the South Region, 92 per cent for the Central Region, 83 per cent for the North East Region, 88 per cent for the North West Region and 83 per cent for the Peace Region.



Despite the recent precipitation, surface soil moisture ratings in all regions of the province declined except for the Peace. Provincial surface soil moisture good-to-excellent ratings are reported as 66 per cent, above the 5-year average of 59 per cent and the 10-year average of 62 per cent. Regional surface soil moisture good-to-excellent ratings (change from last week) are reported at 48 (-13) per cent in the South Region, 61 (-18) per cent for the Central Region, 89 (-4) per cent for the North East Region, 80 (-2) per cent for the North West Region, and 79 (+10) per cent for the Peace Region.

Table 3: Alberta Surface Soil Moisture Ratings as of June 11, 2024

	Poor	Fair	Good	Excellent	Excessive
South	6.1%	46.2%	45.6%	2.1%	0.0%
Central	4.9%	34.4%	59.4%	1.2%	0.0%
North East	0.9%	8.6%	61.3%	27.3%	1.9%
North West	1.5%	13.0%	52.4%	27.9%	5.2%
Peace	2.8%	10.3%	43.5%	35.7%	7.6%
Alberta	3.9%	28.4%	53.0%	12.9%	1.7%
5-year (2019-2023) Avg	13.0%	25.3%	43.0%	16.2%	2.5%
10-year (2014-2023) Avg	12.3%	22.6%	41.7%	20.4%	3.0%

Source: AGI/AFSC Crop Reporting Survey

Sub-surface soil moisture ratings over the last week declined across all regions of the province. Provincial sub-surface moisture good-to-excellent ratings were reported as 58 per cent, which is between the 5-year average of 55 per cent and the 10-year average of 60 per cent. Regional sub-surface soil moisture good-to-excellent ratings (change from last week) are reported as 48 (-7) per cent in the South Region, 46 (-14) per cent for the Central Region, 74 (-3) per cent for the North East Region, 68 (-4) per cent for the North West Region, and 81 (-2) per cent for the Peace Region.

Improved pasture growth conditions over the past few weeks have resulted in noticeable plant growth, resulting in reports of cows being turned out to pasture this week. Growth conditions for pasture this week are stabilizing across the province, with provincial good-to-excellent growth conditions reported as 69 per cent, a 4 per cent decrease over last week while still ahead of the 5-year average of 54 per cent. Regional pasture good-to-excellent growth conditions (change from last week) are reported as 62 (-1) per cent for the South Region, 73 (-11) per cent for the Central Region, 77 (+1) per cent for the North East Region, 80 (-6) per cent for the North West Region, and 54 (+9) per cent for the Peace Region.

Table 4: Pasture Growth Conditions as of June 11, 2024

	Poor	Fair	Good	Excellent
South	5.2%	32.6%	61.5%	0.6%
Central	3.0%	23.7%	73.4%	0.0%
North East	0.5%	22.2%	68.9%	8.4%
North West	0.0%	20.2%	48.7%	31.1%
Peace	10.0%	36.2%	51.4%	2.3%
Alberta	3.6%	27.1%	64.7%	4.6%
5-year (2019-2023) Avg	16.8%	29.6%	47.0%	6.7%

Source: AGI/AFSC Crop Reporting Survey

Tame hay growth conditions also appear to be stabilizing, with a provincial good-to-excellent rating of 68 per cent which is 3 per cent lower than last week while still higher than the 5-year average of 56 per cent for this week. Regional tame hay good-to-excellent growth conditions (change from last week) are reported as 64 (no change) per cent for the South Region, 70 (-16) per cent for the Central Region, 72 (+3) per cent for the North East Region, 81 (-5) per cent for the North West Region, and 53 (+9) per cent for the Peace Region.

Regional Assessments:

Region One: South (Strathmore, Lethbridge, Medicine Hat, Foremost)

- Seeding is virtually complete for most crops in the South Region. Emergence for major crops is at 85 per cent, which is slightly below the 5-year average of 90 per cent and the 10-year average of 91 per cent.
- Regional showers this past week have been localized, and windy conditions are depleting moisture. Wind, flea beetles, and grasshoppers have caused notable damage in some areas.
- Sub-surface moisture is rated at 7 per cent poor, 45 per cent fair, 47 per cent good, 1 per cent excellent, and 0 per cent excessive.
- Conditions of tame hay are reported as 5 per cent poor, 31 per cent fair, 63 per cent good, and 1 per cent excellent.

Region Two: Central (Rimbey, Airdrie, Coronation, Oyen)

- Seeding is practically complete in the Central Region, and crop emergence is progressing smoothly. Emergence for major crops is at 92 per cent, matching the 5-year average of 92 per cent and ahead of the 10-year average of 90 per cent.
- There were scattered showers throughout most of the region accompanied by high gusts of wind. The strong winds depleted moisture levels, and crops will soon need rain to continue growth.
- Sub-surface moisture rating is 11 per cent poor, 43 per cent fair, 45 per cent good, 1 per cent excellent, and 0 per cent excessive.
- Tame hay conditions are reported as 3 per cent poor, 27 per cent fair, 70 per cent good, and 0 per cent excellent.

Region Three: North East (Smoky Lake, Vermilion, Camrose, Provost)

- Seeding in the North East Region is nearly complete, and growing conditions are promising, generally. Emergence for major crops is at 83 per cent, which is behind the 5-year average of 90 per cent and the 10-year average of 87 per cent.
- Windy conditions were reported throughout most of the region. Sub-surface moisture rating is 8 per cent poor, 17 per cent fair, 55 per cent good, 19 per cent excellent, and 1 per cent excessive.
- Hay and pasture crops are progressing well. Conditions of tame hay are reported as 1 per cent poor, 27 per cent fair, 66 per cent good, and 6 per cent excellent.

Region Four: North West (Barrhead, Edmonton, Leduc, Drayton Valley, Athabasca)

- Seeding is 99 per cent complete in the region, one per cent ahead of the 5- and 10-year averages. Emergence is currently at 88 per cent for major crops, which is 8 per cent ahead of the 5-year average of 79 per cent and 7 per cent ahead of the 10-year average of 81 per cent.
- Windy conditions prevailed throughout the region last week, affecting surface moisture level. Sub-surface moisture is rated at 10 per cent poor, 22 per cent fair, 46 per cent good, 22 per cent excellent, and 0 per cent excessive.
- Strong growth observed in hay and pasture in the region. Tame hay conditions are reported as 0 per cent poor, 19 per cent fair, 47 per cent good, and 34 per cent excellent.

Region Five: Peace (Fairview, Falher, Grande Prairie, Valleyview)

- Seeding has been completed across the Peace Region. Emergence for major crops is at 83 per cent, which is 13 per cent ahead of the 5-year average of 70 per cent and 9 per cent ahead of the 10-year average of 74 per cent.
- A large amount of moisture was received across the Peace Region, benefiting crops and forage growth. An extended period of warmer weather would be welcome in the region to help promote plant development.
- Sub-surface moisture rating is 3 per cent poor, 10 per cent fair, 45 per cent good, 36 per cent excellent, and 7 per cent excessive.
- Tame hay conditions are reported as 10 per cent poor, 37 per cent fair, 51 per cent good, and 2 per cent excellent.

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