

Farm inputs and trade move higher in 2021

Progressive Dairy Editor Karen Lee

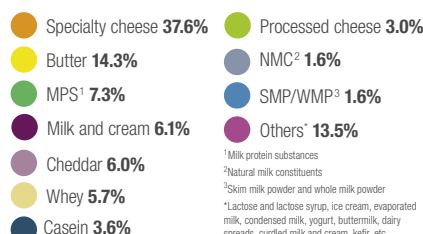
It's no surprise that the numbers with the largest increase this year were related to farm inputs and trade.

Farm input prices, comparing the fourth quarter of 2021 to the same quarter in 2020, were up 11.3%. This was largely driven by machinery fuel, which according to the farm input price index was up over 50% across the country and nearly 70% or more in the eastern provinces. Inputs for crop production were up 18%, while animal production and machinery increased by 10% and 11%, respectively.

Milk production across the country increased 1.7% with equal increases in the P5 and Western Milk Pool. The production increase and a milk price increase pushed total dairy cash receipts in Canada to almost \$7.4 billion, up 4% from 2020.

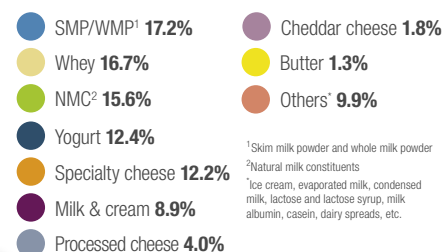
British Columbia was the only province to drop in milk production, likely due to the catastrophic flooding that impacted dairies late in the year. Saskatchewan, Nova Scotia and British Columbia added cow numbers while the other provinces increased milk per cow with New Brunswick and Prince Edward Island making the largest gains in animal production.

Imports continued to climb; this time by 13% in the past year. As exports dropped 22%, the net trade difference grew to \$703 million, a spread of that magnitude has not been seen since 2016. Imports from the U.S. jumped by 21% in value compared to last year. Imports from the EU also increased with more dairy products coming in from Germany, the Netherlands, Italy, Switzerland, United Kingdom and Denmark compared to the year before.



Top 10 countries selling dairy products to Canada

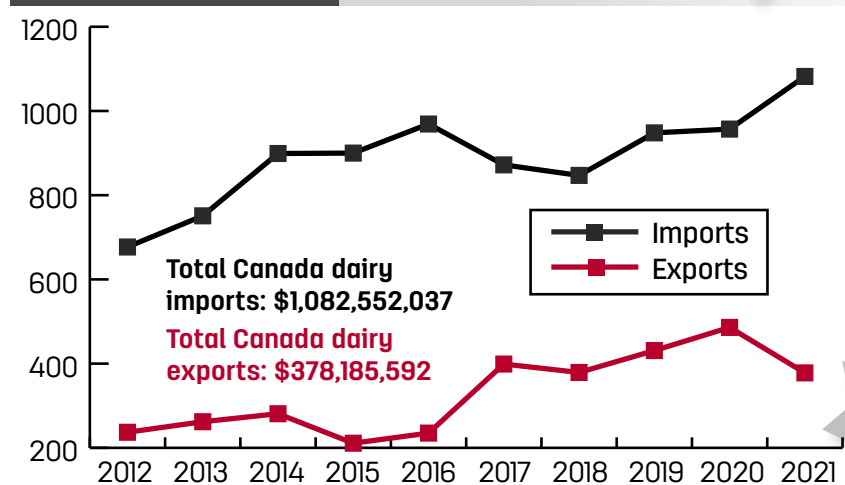
Rank	Country	2021 Imports (in dollars)	Percent change from 2020
1	U.S.	\$ 524,421,462	21%
2	Italy	\$ 117,039,971	17%
3	New Zealand	\$ 108,912,271	-1%
4	France	\$ 80,180,124	-13%
5	Switzerland	\$ 36,915,746	17%
6	Netherlands	\$ 35,849,661	41%
7	United Kingdom	\$ 29,791,521	8%
8	Denmark	\$ 28,124,227	6%
9	Germany	\$ 25,152,529	48%
10	Ireland	\$ 24,550,484	-25%



Top 10 countries buying Canada dairy products

Rank	Country	2021 Exports (in dollars)	Percent change from 2020
1	U.S.	\$203,809,950	-9%
2	Egypt	\$35,173,603	-46%
3	Algeria	\$18,346,054	-29%
4	Philippines	\$16,317,468	29%
5	Japan	\$14,224,880	-8%
6	China	\$11,161,176	-28%
7	Republic of Korea	\$8,321,653	23%
8	Jamaica	\$7,143,671	41%
9	India	\$6,556,065	187%
10	United Arab Emirates	\$5,956,788	-40%

Canada dairy exports/imports (in millions of dollars)



Source: Statistics Canada



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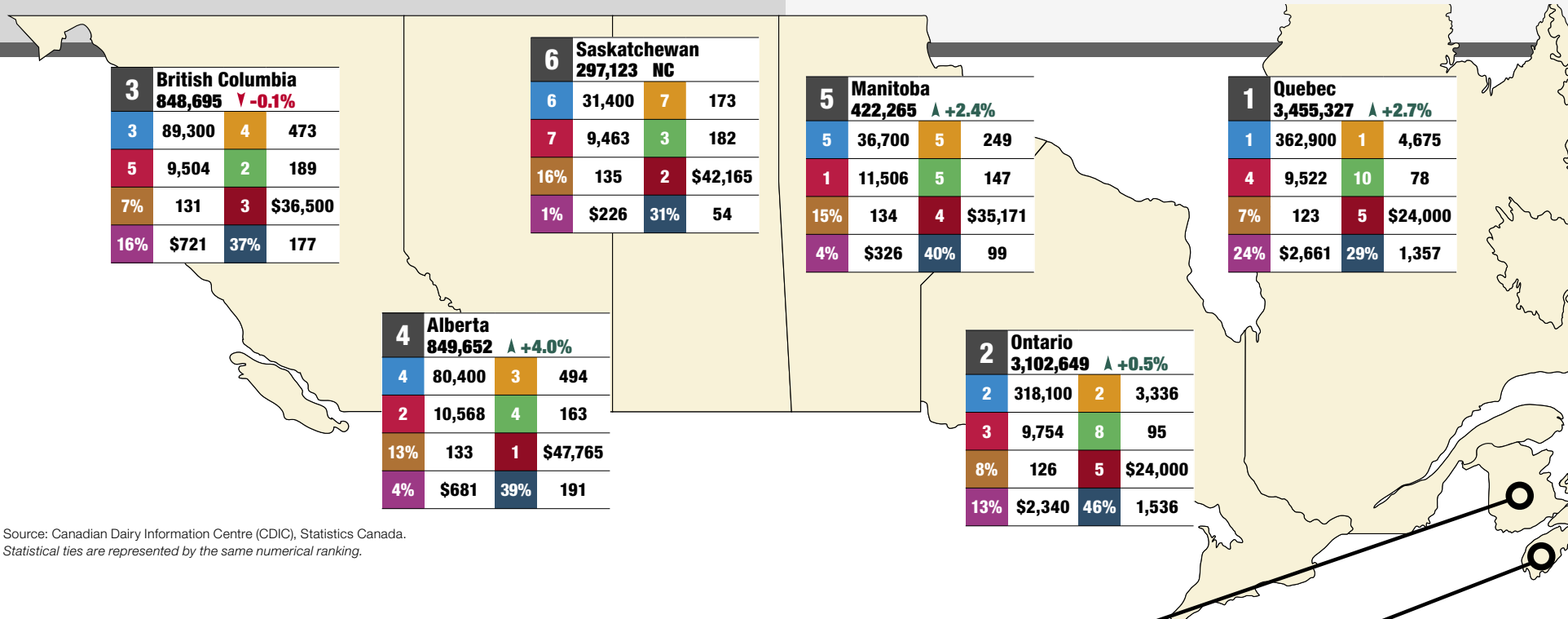
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2021 Canada dairy statistics



Source: Canadian Dairy Information Centre (CDIC), Statistics Canada.
Statistical ties are represented by the same numerical ranking.

Legend

- Province ranking – total milk production
- Total milk production in calendar year (in kilolitres)
- Province ranking – number of cows
- Number of cows
- Province ranking – milk litres per cow
- Milk per cow (in litres)
- Change in farm input from 2020
- Farm input price index (Q4 2021 change in prices from 2012)
- Dairy receipts as a percentage of province's total farm receipts
- Dairy receipts annual total (in millions of dollars)

Province/Territory	Ranking	Total Production (kg)	% Change	Farms	Ranking	Herds	Ranking	Receipts (\$M)	Ranking
New Brunswick	8	157,723	+2.4%	17,700	8	170	9	8,911	7
						104	11%	131	5
						\$24,000	13%	\$129	38%
						65			

- Percentage increase/decrease in total milk from 2020
- Province ranking-number of farms with milk shipments
- Number of farms with milk shipments
- Province ranking-average herd size
- Average herd size
- Province ranking value of quota
- Quota value* (in \$ per kg of butterfat per day)
- Percent of total farms
- Herds enrolled in milk recording program

All information is from 2021, unless otherwise noted.
*Weighted average using total production quota

Canada

*Weighted average using total production quota

977,800	-0.4%	9,952	-143
9,728	+2.1	98	+1
11%	130	\$29,774*	
\$7,386	9%	37%	3,631

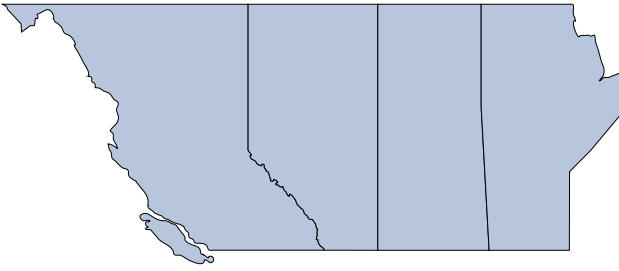
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10	Newfoundland & Labrador 47,870 ▲ +2.3%			
10	6,000	10	25	
10	7,978	1	240	
10%	127	—	—	
32%	\$47	28%	7	



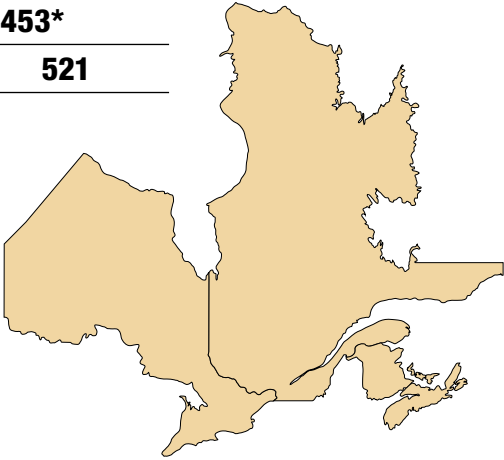
WMP (British Columbia, Alberta,
Saskatchewan, Manitoba)
2,417,735 ▲ +1.7%

237,800	▲ +1.8%	1,389	▼ -16
10,167	▼ -0.1%	171	▲ +5
13%	133	\$38,453*	
\$1,954	4.0%	38%	521

9	Prince Edward Island 121,819 ▲ +3.7%			
9	13,300	9	155	
8	9,159	9	86	
12%	135	5	\$24,000	
17%	\$96	48%	74	

P5 (Ontario, Quebec, Nova Scotia,
New Brunswick, Prince Edward Island)
7,046,753 ▲ +1.7%

734,000	▼ -1.1	8,538	▼ -128
9,600	▲ +2.8%	86	NC
10%	128	\$24,000*	
\$5,385	17%	36%	3,103



*Weighted average using total production quota

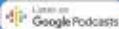
Province total production rank	Province	Total milk production (in kilolitres)	Percentage increase/ decrease in total milk from 2020	Number of cows	Percentage increase/ decrease in number of cows from 2020	Milk per cow (in litres)	Percentage increase/ decrease in milk per cow from 2020	Number of farms with milk shipments	Change in number of farms with milk shipments from 2020	Average herd size	Change in avg herd size
1	Quebec	3,455,627	2.7	362,900	-0.5	9,522	3.3	4,675	-91	78	1
2	Ontario	3,102,649	0.5	318,100	-1.2	9,754	1.7	3,336	-31	95	0
3	British Columbia	848,695	-0.1	89,300	2.2	9,504	-2.2	473	5	189	2
4	Alberta	849,652	4.0	80,400	0.6	10,568	3.3	494	-9	163	4
5	Manitoba	422,265	2.4	36,700	-0.3	11,506	2.7	249	-14	147	7
6	Saskatchewan	297,123	0.0	31,400	6.8	9,463	-6.4	173	2	182	10
7	Nova Scotia	208,935	2.5	22,000	3.8	9,497	-1.2	202	1	109	3
8	New Brunswick	157,723	2.4	17,700	-8.8	8,911	12.3	170	-5	104	-7
9	Prince Edward Island	121,819	3.7	13,300	-8.3	9,159	13.1	155	-2	86	-7
10	Newfoundland and Labrador	47,870	2.3	6,000	0.0	7,978	2.3	25	1	240	-10
CANADA TOTAL		9,512,358	+1.7	977,800	-0.4	9,728	+2.1	9,952	-143	98	+1

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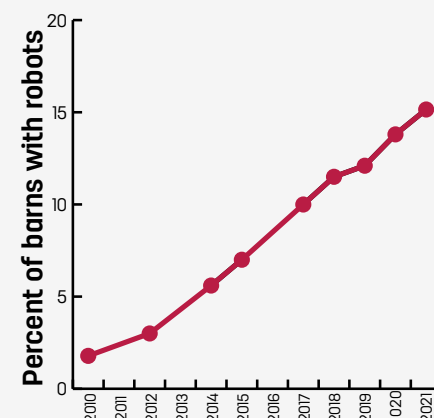
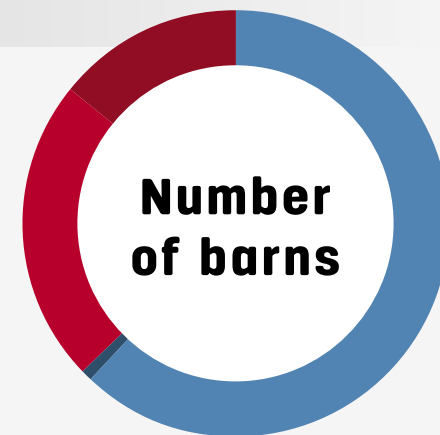


2021 Dairy barns by type

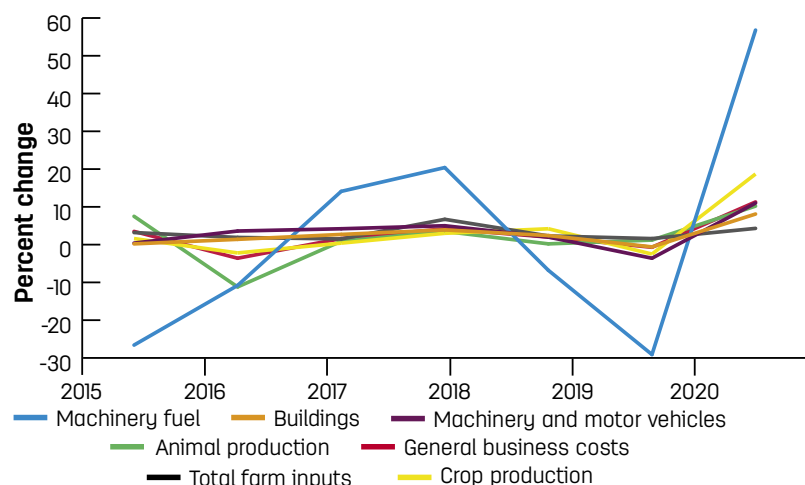
Province	Number	Tiestall			Number of barns	Freestall		
		Increase/decrease from 2020	Herd size	Percentage of tiestall barns with robots		Increase/decrease from 2019	Herd size	Percentage of freestall barns with robots
British Columbia	7	-1	40		210	-29	189	25.2%
Alberta	15	-4	88		282	-18	171	21.3%
Saskatchewan	8	0	98		70	-2	203	25.7%
Manitoba	33	-4	85	6.1%	105	-10	224	50.5%
Ontario	1,257	-155	62	0.4%	918	-51	131	34.5%
Quebec	2,666	-203	68	2.5%	666	112	126	55.9%
New Brunswick	39	-3	63		65	4	142	36.9%
Nova Scotia	49	-4	61		59	-5	131	20.3%
Prince Edward Island	41	-3	70		43	-1	111	14.0%
Newfoundland and Labrador	1	-1	254		7	3	219	28.6%
Total	4,116	-378		1.8%	2,425	3		37.8%

Based on herds enrolled in milk recording program

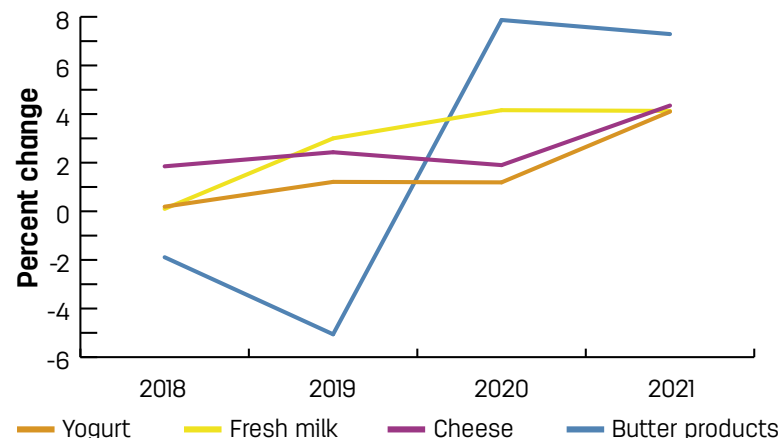
Source: Lactanet



Percent change in Canadian dairy farm input prices



Percent change in Canadian consumer prices



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