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Statistical Overview of the Canadian Vegetable Industry

2017

Prepared by:
Crops and Horticulture Division
Agriculture and Agri-Food Canada
October 2018



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Overview

This report provides a statistical overview of the vegetable industry including the number of farms, total farm area, production, farm gate¹ value (FGV), trade, and innovation in the sector. It focuses on field vegetables, greenhouse vegetables and mushrooms. A separate report for potatoes is prepared annually (AAFC No. 12856E).

Overall, Canada's field vegetable production decreased by 2.7% from 2016 to 2,178,560 metric tonnes in 2017. Field tomatoes topped the production of field vegetables with 478,960 metric tonnes (22%), followed by carrots with 360,952 metric tonnes (17%), and dry onions with 230,314 metric tonnes (11%). Ontario remained the largest producing province accounting for 44% of Canada's total production of field vegetables, followed by Quebec with 38%.

Despite the decline in production volume, the value of vegetables rose 2.0% to \$1.2 billion in 2017 largely due to an increase in the farm gate value of broccoli, shallots and green onions, peppers, and dry onions. Carrots, tomatoes, dry onions, lettuce, sweet corn, cabbages, and broccoli accounted for over half of the total value of field-grown vegetables in Canada. The value of carrots were the largest of all field vegetables totalling \$129.3 million in 2017, followed by tomatoes (\$110.1 million), dry onions (\$91.4 million), lettuce (\$78.4 million), sweet corn (\$75.9 million), cabbages (\$72.5 million), and broccoli (\$72 million). Broccoli experienced the largest price increase, rising 20.4% in 2017 to \$1,697 per metric tonne.

Canadian mushroom growers produced 120,253 metric tonnes of mushrooms in 2017, up 1.3% from 2016. Most of the production (94.1%) was sold to the fresh market. Ontario accounted for the largest share of production (52%), followed by British Columbia (39%).

The total value of Canadian mushrooms rose 4.1% from 2016 to \$527.6 million, mainly attributable to higher prices. The price of mushrooms rose 2.8% in 2017 to \$ 4,387 per metric tonne.

Farm gate value for the greenhouse vegetable sector totalled over \$1.4 billion in 2017, an increase of 7.1% from 2016, largely due to an increase in the value of cucumbers and tomatoes. In 2017, Ontario continued to lead the greenhouse vegetable sector representing 65% of total farm gate value, British Columbia and Quebec followed with 20% and 9%, respectively. Tomatoes were the largest contributor to greenhouse farm gate value, accounting for 39% (\$557 million) of the total; peppers and cucumbers followed at 30% (\$422 million) and 27% (\$383 million) respectively.

Total Canadian vegetable exports, comprising field vegetables, greenhouse vegetables, and mushrooms, grew by 5.8% to \$1.8 billion in 2017. The United States remained Canada's largest purchaser, importing 98% of Canada's total vegetable exports.

The greenhouse sector is a significant contributor to the Canadian value of exported vegetables. In 2017, greenhouse products accounted for 53% of total vegetable exports.

Due to the seasonal nature of field vegetable production in Canada, imports are an integral component of the Canadian vegetable market and often necessary to fulfill Canadian demand year-round. In 2017, Canada imported approximately \$3.7 billion in vegetables (field vegetables, greenhouse vegetables and mushrooms), with approximately \$2.2 billion (60%) coming from the United States; Mexico was the second largest source of Canadian imports, with approximately \$1 billion import value. The top vegetables (including field and greenhouse) imported were tomatoes, lettuce, peppers, and cabbages. The top U.S. imports were lettuce, cabbage, and broccoli/cauliflower whereas imports from Mexico consisted primarily of tomatoes, peppers, and cucumber/gherkins.

¹ The "farm gate value" is the pricing point of production, excluding charges for transport or delivery.



The vegetable industry is continually introducing innovative varieties and products to fulfill changing consumer preferences. In 2017, approximately 229 new products were launched in Canada ranging from new varieties to new packaging. The top claims of new products included kosher, microwaveable, ease of use, organic, and ethical/ecological (i.e. environmentally friendly packaging).



1. Production

1.1. Number of field vegetable farms^{1,2} by province

	2006	2011	2016
Newfoundland and Labrador	68	112	78
Prince Edward Island	54	299	250
Nova Scotia	125	140	177
New Brunswick	69	280	236
Quebec	857	974	1,172
Ontario	1,526	1,531	1,856
Manitoba	97	189	196
Saskatchewan	43	108	115
Alberta	124	277	299
British Columbia	669	912	1,135
Canada	3,632	4,822	5,514

Notes:

1. Includes melons.

2. Number of farms includes all farms reported to be growing field vegetables and on which field vegetable production represents 50% or more of total farm cash receipts.

Source: Statistics Canada. Table 32-10-0403-01 Farms classified by farm type

1.2. Number of greenhouse vegetable^{1,2} farms by province

	2013	2014	2015	2016	2017
Atlantic provinces	55	52	54	52	52
Quebec	235	240	242	247	250
Ontario	305	310	315	323	330
Prairie provinces	90	95	100	107	101
British Columbia	135	140	150	160	154
Canada	820	837	861	894	887

Notes:

1. Includes specialized greenhouse fruits.

2. Excludes mixed operations (vegetables, flowers and plants).

Source: Statistics Canada. Table 32-10-0019-01 Estimates of specialized greenhouse operations, greenhouse area, and months of operation



1.3. Planted area of field vegetables by province (hectares)

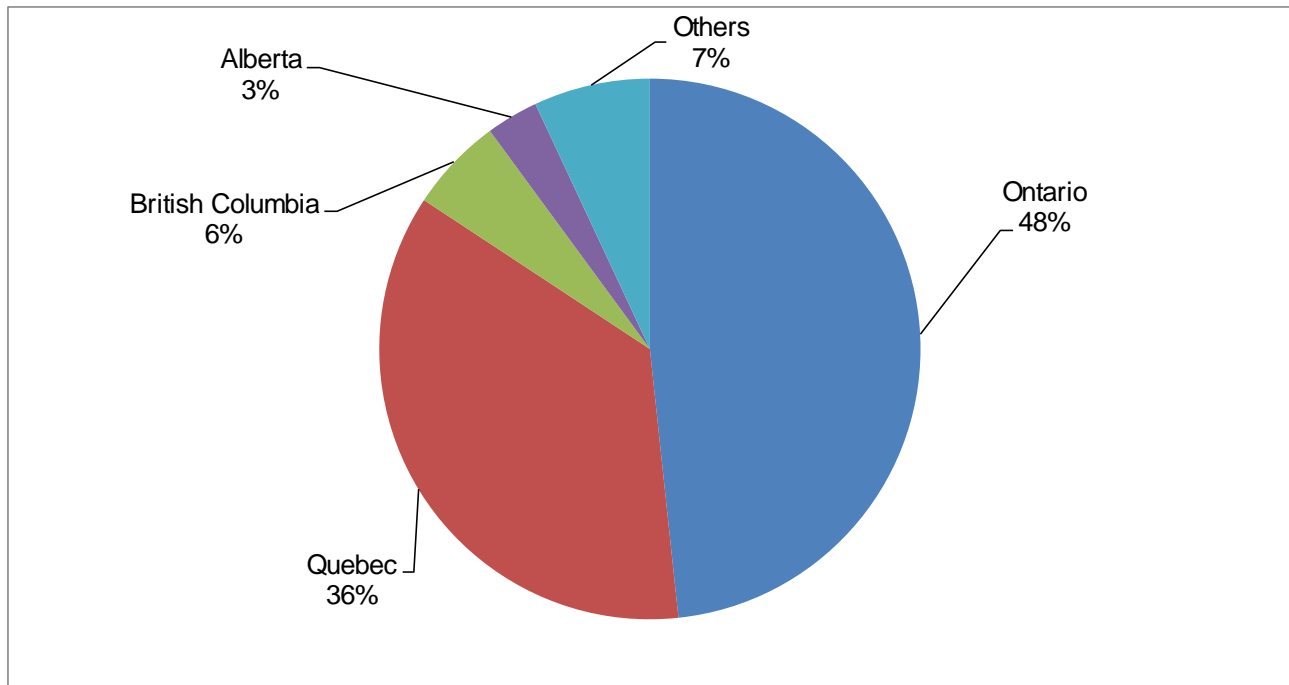
	2013	2014	2015	2016	2017
Newfoundland and Labrador	296	306	302	306	280
Prince Edward Island	859	722	719	726	812
Nova Scotia	1,215	1,715	1,722	1,797	2,152
New Brunswick	708	710	697	678	647
Quebec	37,106	37,957	37,802	37,749	37,288
Ontario	50,857	54,379	53,619	54,165	50,087
Manitoba	1,214	634	1,251	1,280	1,393
Saskatchewan	241	292	313	320	266
Alberta	3,823	4,219	3,468	3,949	3,228
British Columbia	5,698	6,396	6,150	5,922	5,858
Canada¹	105,806	110,036	109,835	109,520	103,669

Note:

1. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.

Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables

1.4. Planted area of field vegetables by province - percent share, 2017



Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables



1.5. Planted area of field vegetables by commodity (hectares)

	2013	2014	2015	2016	2017
Corn, sweet	21,603	20,819	20,033	19,248	17,968
Peas, green	13,372	13,169	12,770	12,782	11,176
Carrots ¹	9,319	9,139	9,032	8,940	8,630
Beans, green or wax	8,073	7,916	8,445	8,313	8,179
Tomatoes	7,122	7,106	7,080	6,938	6,395
Dry onions	5,850	5,812	5,773	5,734	5,776
Cabbage ²	6,128	6,329	5,914	5,578	5,458
Broccoli	4,151	4,150	4,149	4,276	4,421
Lettuce ³	3,861	3,941	4,007	4,140	3,978
Pumpkins	3,594	3,644	3,490	3,708	3,427
Squash and zucchinis	3,257	3,344	3,473	3,680	3,300
Peppers	2,558	2,660	2,701	2,771	2,556
Cucumbers and gherkins	2,529	2,624	2,719	2,814	2,532
Asparagus	2,052	2,147	2,248	2,351	2,381
Beets	1,686	1,751	1,817	1,882	1,928
Cauliflower	1,814	1,805	1,718	1,844	1,860
Rutabagas and turnips	1,773	1,755	1,736	1,736	1,678
Radishes	924	985	950	963	935
Celery	866	879	891	904	870
Shallots and green onions	805	787	771	756	793
Spinach	810	842	764	748	716
Garlic	502	F	633	697	658
Watermelon	802	786	738	674	612
Brussels sprouts	627	604	585	563	600
Other melons	687	723	712	673	572
Parsnips	384	379	379	364	391
Leeks	287	237	289	314	321
Rhubarb	173	194	204	204	260
Parsley	197	132	168	149	159
Other vegetables	..	5,377	5,646	5,776	5,139
Total	105,806	110,036	109,835	109,520	103,669

Notes:

1. Includes baby carrots and regular carrots.
 2. Includes Chinese cabbage and regular cabbage.
 3. Includes leaf lettuce and head lettuce.
- F: Too unreliable to be published.
 .. Not available.

Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables



1.6. Harvested area of greenhouse vegetables by province (square meters)

	2013	2014	2015	2016	2017
Newfoundland and Labrador	3,390	3,235	5,132	647	5,900
Prince Edward Island	1,236	1,398	-	-	13,531
Nova Scotia	63,959	67,577	77,992	-	83,556
New Brunswick	-	-	5,042	121	4,086
Quebec	974,967	890,937	951,534	915,475	1,145,549
Ontario	9,536,954	9,648,346	10,061,143	10,972,697	11,668,355
Manitoba	6,595	835	5,245	496	6,955
Saskatchewan	15,250	12,978	14,139	2,003	15,954
Alberta	541,095	530,301	544,222	547,626	640,512
British Columbia	2,954,000	3,014,962	2,881,096	3,088,435	3,258,893
Canada¹	14,159,525	14,216,767	14,592,933	15,928,094	16,882,095

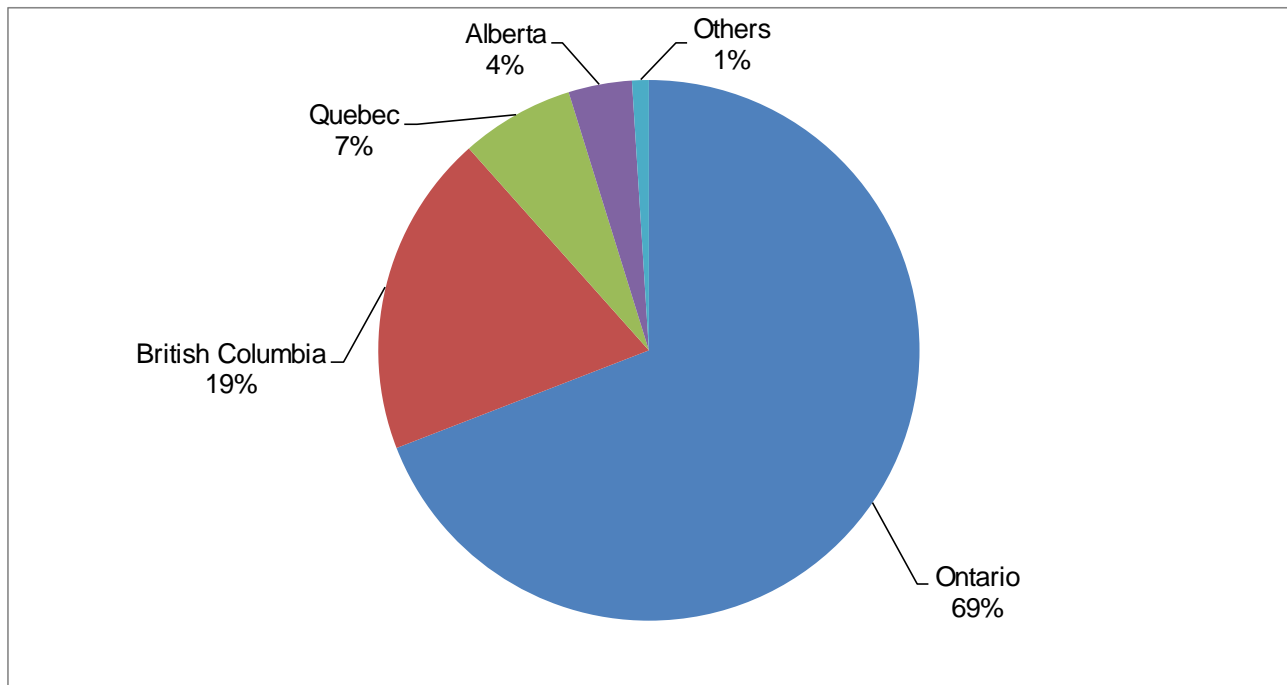
Notes:

1. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.

- : Not available or too unreliable to be published.

Source: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables

1.7. Harvested area of greenhouse vegetables by province - percent share, 2017



Sources: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables



1.8. Harvested area of greenhouse vegetables by commodity (square meters)

	2013	2014	2015	2016	2017
Tomatoes	5,626,971	5,540,993	5,513,837	5,990,278	6,325,725
Peppers	4,887,045	4,951,041	4,940,683	5,385,939	5,625,383
Cucumbers	3,462,183	3,544,039	3,739,159	4,005,746	4,358,064
Lettuce	183,326	180,694	187,343	174,696	209,183
Eggplants	..	..	..	90,123	109,631
Herbs	..	..	..	26,922	88,571
Other fruits or vegetables	..	..	211,911	194,393	85,214
Chinese vegetables	..	..	..	55,471	48,740
Microgreens and shoots	..	..	..	..	16,773
Sprouts	..	..	..	..	8,181
Beans (green and wax)	..	..	..	4,526	6,630
Total¹	14,159,525	14,216,767	14,592,933	15,928,094	16,882,095

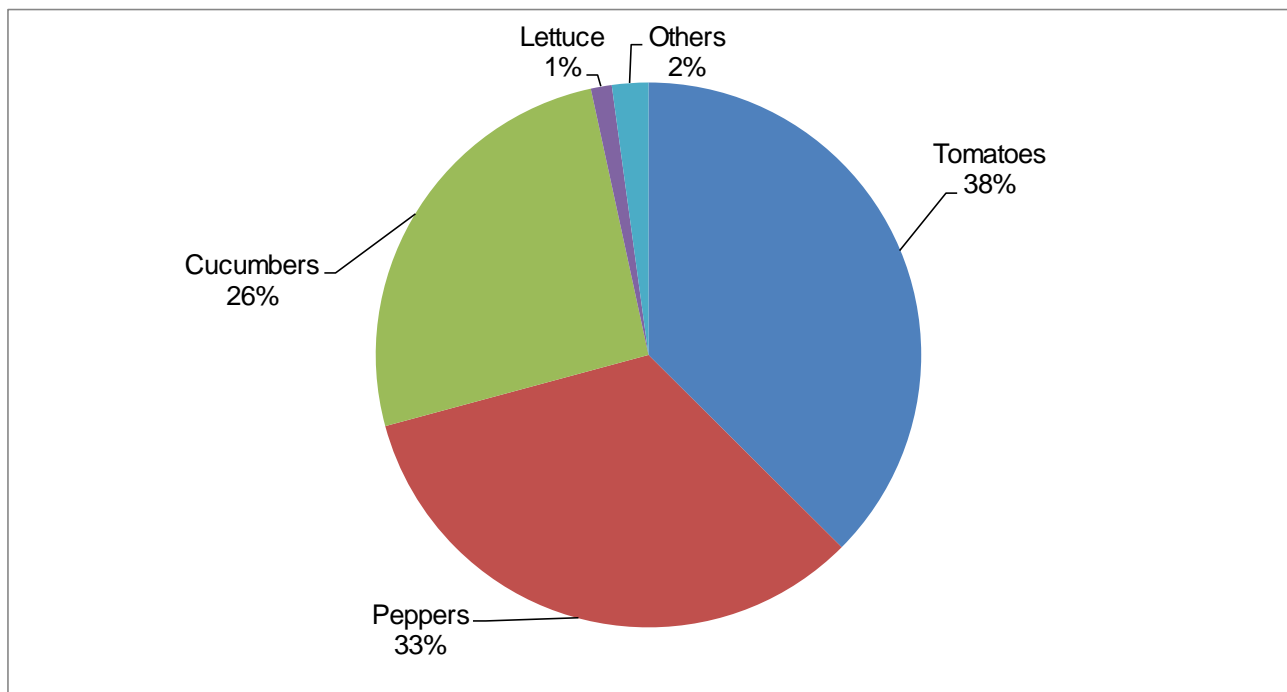
Note:

1. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.

.. : Not available or too unreliable to be published.

Source: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables

1.9. Harvested area of greenhouse vegetables by commodity – percent share, 2017



Source: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables



1.10. Marketed production¹ of field vegetables by province (metric tonnes)

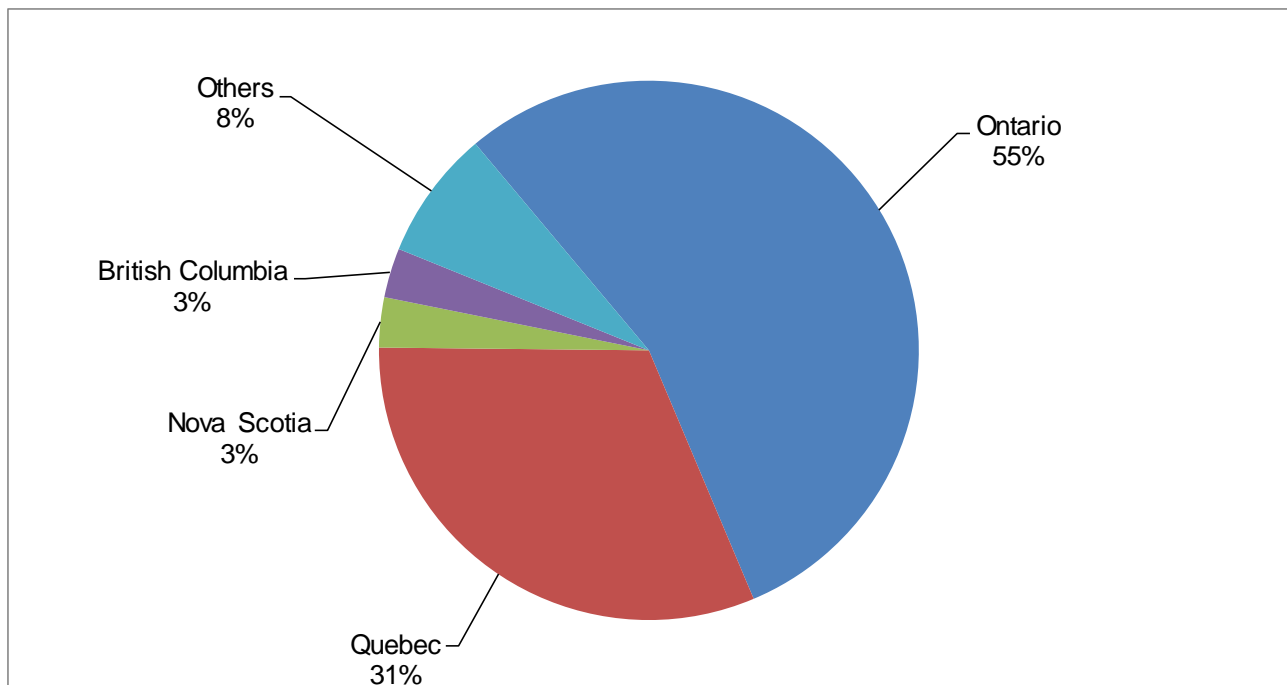
	2013	2014	2015	2016	2017
Newfoundland and Labrador	5,099	3,865	4,091	5,751	3,984
Prince Edward Island	29,408	22,022	22,626	20,725	22,067
Nova Scotia	20,172	46,921	45,847	50,118	65,371
New Brunswick	8,629	6,508	5,428	6,721	6,304
Quebec	622,825	638,972	675,811	700,388	686,495
Ontario	1,226,215	1,167,658	1,226,103	1,257,735	1,193,074
Manitoba	13,708	5,294	17,138	19,941	23,340
Saskatchewan	1,455	664	2,248	1,908	813
Alberta	29,873	44,311	28,427	48,836	27,633
British Columbia	66,364	67,172	68,338	71,163	64,619
Canada²	2,112,968	2,075,273	2,170,503	2,238,263	2,178,558

Notes:

1. Marketed Production refers to the total quantity of vegetables sold to the fresh and processing markets.
2. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.

Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables

1.11. Marketed production of field vegetables by province – percent share, 2017



Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables



1.12. Marketed production¹ of field vegetables by commodity (metric tonnes)

	2013	2014	2015	2016	2017
Tomatoes	491,855	358,494	429,165	501,329	478,960
Carrots ²	366,568	326,543	376,063	358,852	360,952
Dry onions	189,906	244,829	218,715	215,669	230,314
Corn, sweet	209,575	218,757	219,050	196,993	191,447
Cabbage ³	169,394	170,704	170,035	179,777	159,441
Lettuce ⁴	77,898	82,059	84,670	91,463	86,549
Pumpkins	62,823	81,990	76,981	82,257	82,619
Peppers	57,363	62,289	65,314	68,068	68,075
Cucumbers and gherkins	57,199	66,312	54,158	63,589	61,064
Beans, green or wax	49,722	55,167	53,464	54,672	51,914
Squash and zucchinis	33,997	43,498	49,769	54,690	49,407
Rutabagas and turnips	46,780	54,099	48,646	47,853	46,621
Peas, green	52,776	56,880	58,659	57,275	46,001
Broccoli	36,311	39,579	40,875	42,106	42,432
Beets	42,749	35,014	44,531	39,704	38,637
Celery	36,335	36,425	36,058	37,968	34,967
Cauliflower	34,289	29,965	30,597	32,685	32,416
Watermelon	22,946	27,089	27,879	24,657	26,199
Shallots and green onions	12,481	16,072	17,989	17,467	18,861
Radishes	12,241	13,262	16,411	15,726	16,380
Other melons	17,493	19,444	17,729	17,723	14,323
Asparagus	7,832	7,142	8,642	9,364	8,865
Parsnips	6,133	9,304	7,565	6,781	8,207
Brussels sprouts	4,332	6,153	5,990	5,120	6,233
Spinach	4,169	6,097	6,234	5,825	5,442
Leeks	4,408	3,716	F	5,245	5,413
Parsley	2,297	1,794	2,410	2,373	2,936
Rhubarb	1,924	1,533	1,485	1,623	2,522
Garlic	1,172	1,063	1,419	1,409	1,361
Total	2,112,968	2,075,273	2,170,503	2,238,263	2,178,558

Notes:

1. Marketed production refers to the total quantity of vegetables sold to the fresh and processing markets.
 2. Includes baby carrots and regular carrots.
 3. Includes Chinese cabbage and regular cabbage.
 4. Includes leaf lettuce and head lettuce.
- F: Too unreliable to be published.

Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables



1.13. Farm gate value¹ of field vegetables by province (CAN\$ '000)

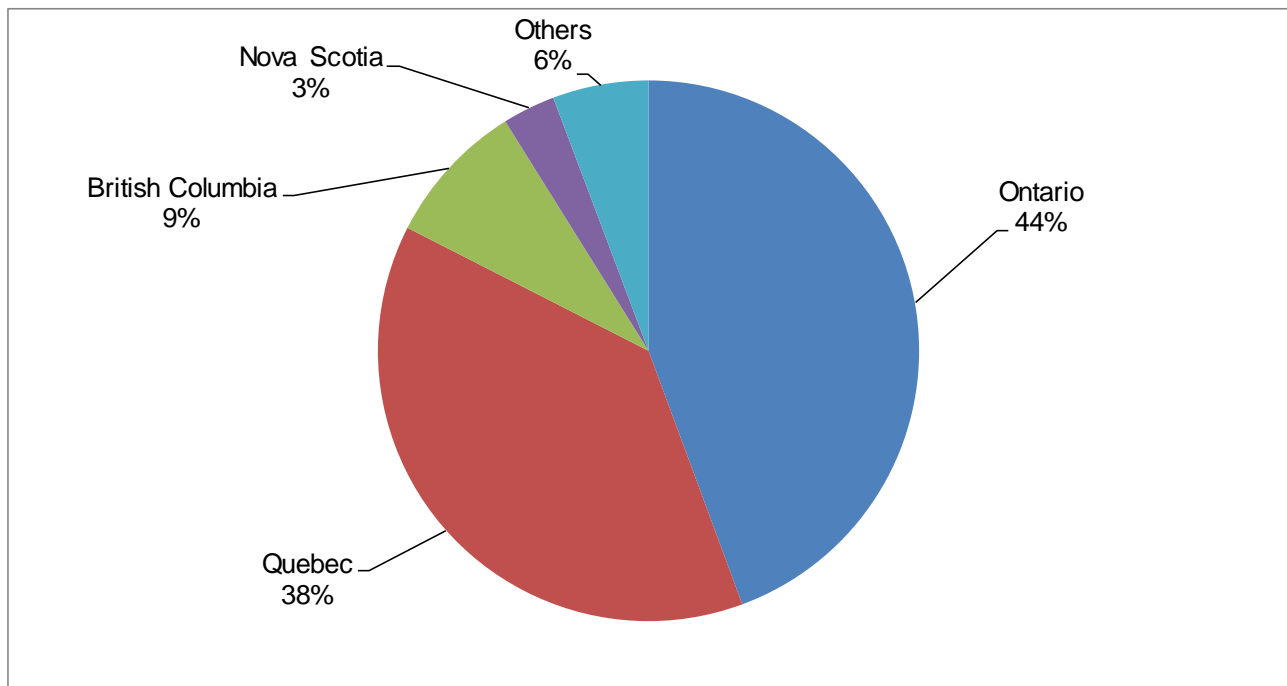
	2013	2014	2015	2016	2017
Newfoundland and Labrador	4,161	3,526	4,512	5,953	5,548
Prince Edward Island	7,096	6,307	6,853	8,736	11,147
Nova Scotia	23,425	11,577	22,306	13,775	35,646
New Brunswick	6,493	6,912	6,739	7,975	7,700
Quebec	318,991	356,878	401,771	435,255	431,504
Ontario	386,837	461,812	482,556	494,734	501,829
Manitoba	8,992	2,813	13,426	15,633	21,744
Saskatchewan	2,870	2,264	2,839	2,828	1,770
Alberta	16,191	31,767	22,467	30,043	16,847
British Columbia	67,182	77,537	84,724	84,885	97,402
Canada²	899,804	1,042,644	1,133,788	1,189,268	1,213,118

Notes:

1. The "farm gate" value is the pricing point of production, excluding charges for transport or delivery.
2. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.

Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables

1.14. Farm gate value of field vegetables by province – percent share, 2017



Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables



1.15. Farm gate value of field vegetables by commodity (CAN\$ '000)

	2013	2014	2015	2016	2017
Carrots ¹	104,911	110,612	125,955	128,650	129,297
Tomatoes	65,002	80,642	93,025	111,768	110,109
Dry onions	69,173	86,599	83,827	86,463	91,363
Lettuce ²	64,787	69,100	76,063	84,336	78,406
Corn, sweet	76,184	78,064	80,454	75,997	75,869
Cabbage ³	80,375	82,575	83,019	80,678	72,549
Broccoli	46,716	54,539	60,980	59,370	72,011
Peppers	45,758	49,559	55,471	61,770	67,581
Squash and zucchinis	28,273	28,998	34,242	39,670	41,977
Asparagus	28,313	27,018	34,615	38,544	40,453
Beans, green or wax	29,184	31,193	35,685	36,303	36,127
Cucumbers and gherkins	32,098	34,490	32,591	40,082	35,853
Shallots and green onions	20,866	24,650	28,248	26,933	32,992
Cauliflower	26,653	26,730	29,634	30,816	29,236
Pumpkins	21,815	26,451	24,886	26,653	28,747
Rutabagas and turnips	21,391	21,770	25,498	27,153	26,982
Peas, green	25,998	23,213	25,085	25,178	24,570
Beets	18,639	18,957	21,557	20,155	21,072
Celery	16,981	18,638	21,086	22,102	19,197
Garlic	11,260	11,119	15,169	15,682	15,171
Radishes	11,295	12,544	13,763	13,783	14,865
Brussels sprouts	7,187	8,282	8,930	9,389	12,279
Spinach	7,623	11,566	12,408	12,462	11,700
Parsnips	7,153	9,937	8,632	8,447	9,699
Leeks	7,449	6,179	8,231	8,955	9,463
Other melons	10,100	10,332	10,586	10,344	9,092
Watermelon	7,962	8,621	9,540	10,342	8,401
Parsley	4,055	3,459	4,700	5,215	6,543
Rhubarb	2,603	2,124	2,182	2,581	3,731
Other vegetables	..	64,683	67,726	69,447	77,783
Total	899,804	1,042,644	1,133,788	1,189,268	1,213,118

Notes:

1. Includes baby carrots and regular carrots.
 2. Includes leaf lettuce and head lettuce.
 3. Includes Chinese cabbage and regular cabbage.
- .. Not available.

Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables



1.16. Greenhouse vegetable¹ production by province (metric tonnes)

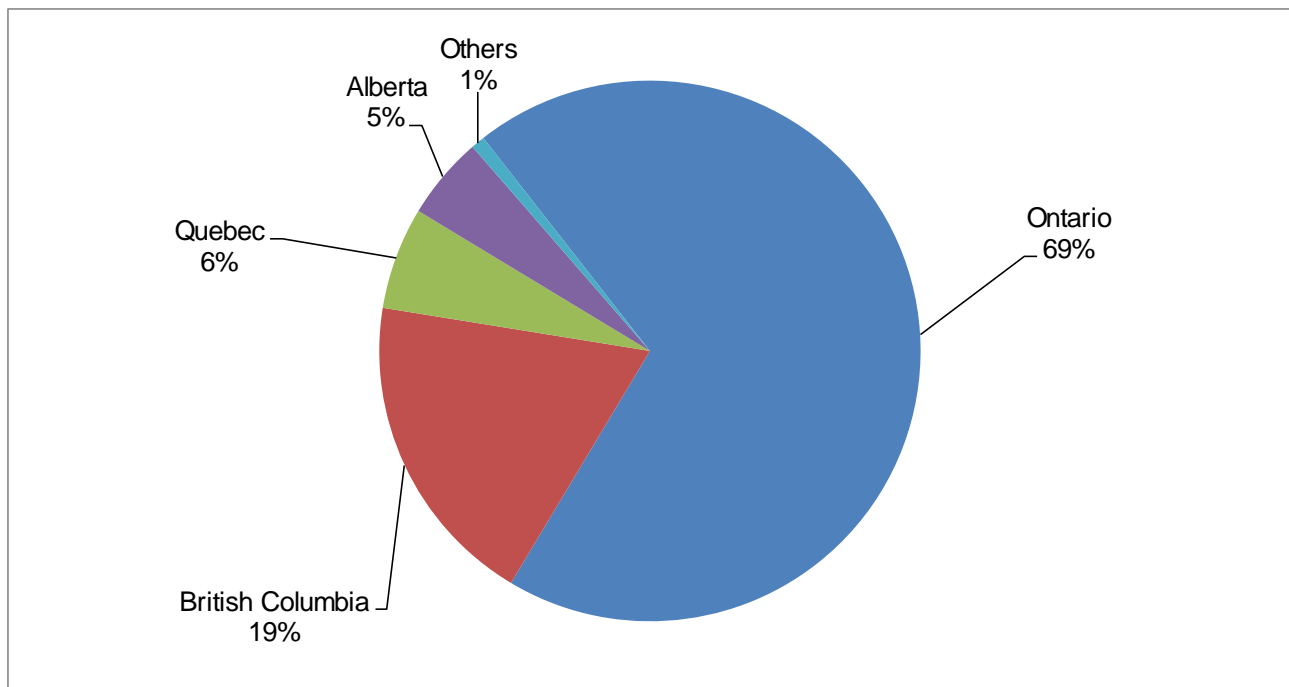
	2013	2014	2015	2016	2017
Newfoundland and Labrador	31	25	10	3	8
Prince Edward Island	1	48	-	-	2
Nova Scotia	2,764	2,670	3,090	1,248	2,914
New Brunswick	27	24	29	1	-
Quebec	25,007	24,030	6,110	27,938	38,772
Ontario	408,398	420,341	420,081	424,451	438,674
Manitoba	178	24	152	3	187
Saskatchewan	214	164	189	22	224
Alberta	20,829	22,433	22,195	23,150	31,446
British Columbia	130,325	124,256	114,652	90,881	120,384
Canada²	590,576	596,251	587,825	604,990	634,513

Notes:

1. Does not include lettuce between 2012 and 2015.
 2. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.
- : Not available or too unreliable to be published.

Source: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables

1.17. Greenhouse vegetable production by province – percent share, 2017



Source: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables



1.18. Greenhouse vegetable production by commodity (metric tonnes)

	2013	2014	2015	2016	2017
Tomatoes	282,809	280,332	261,677	271,006	277,945
Cucumbers	174,534	180,342	186,306	189,704	206,228
Peppers	128,274	130,294	134,644	135,657	139,060
Lettuce	4,959	5,283	5,198	4,876	6,256
Eggplants	..	..	..	2,904	3,281
Sprouts	..	..	..	..	776
Chinese vegetables	..	..	..	587	495
Herbs	..	..	..	219	269
Microgreens and shoots	..	..	..	..	164
Beans (green and wax)	..	..	..	36	40
Total¹	590,576	596,251	587,825	604,990	634,513

Notes:

1. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.

.. : Not available for a specific reference period.

Source: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables

1.19. Farm gate value of greenhouse vegetables by province (CAN\$ '000)

	2013	2014	2015	2016	2017
Newfoundland and Labrador	125	83	145	42	134
Prince Edward Island	15	155	-	-	8
Nova Scotia	7,302	7,503	8,433	8,012	7,516
New Brunswick	111	90	244	29	115
Quebec	82,012	82,678	36,568	98,861	125,539
Ontario	767,501	796,226	831,591	859,787	921,097
Manitoba	703	87	609	82	982
Saskatchewan	1,194	873	1,386	715	708
Alberta	52,275	52,114	53,584	54,689	56,478
British Columbia	299,792	290,743	296,577	294,435	290,980
Canada¹	1,218,193	1,238,667	1,295,856	1,331,163	1,425,900

Notes:

1. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.

- : Not available or too unreliable to be published.

Source: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables



1.20. Farm gate value of greenhouse vegetables by commodity (CAN\$ '000)

	2013	2014	2015	2016	2017
Tomatoes	516,656	507,098	514,251	537,032	556,556
Peppers	377,330	389,700	420,539	409,980	421,873
Cucumbers	299,170	314,069	316,495	336,050	383,465
Lettuce	25,037	27,800	28,769	27,366	32,067
Eggplants	..	..	..	7,757	10,560
Herbs	..	..	..	3,559	9,249
Other fruits or vegetables	..	..	15,802	7,839	6,066
Microgreens and shoots	..	..	..	..	3,585
Chinese vegetables	..	..	..	1,226	1,180
Sprouts	..	..	..	..	993
Beans (green and wax)	..	..	..	353	305
Total	1,218,193	1,238,667	1,295,856	1,331,163	1,425,900

Note:

.. : Not available for a specific reference period.

Source: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables



1.21. Area, production and sales¹ of Canadian mushrooms

		2013	2014	2015	2016	2017
Harvested area (thousands of square feet)	Maritime provinces and Quebec	x	x	x	x	x
	Ontario	33,865	32,789	27,613	28,907	29,199
	Prairie provinces	..	x	x	x	x
	British Columbia	x	18,501	18,500	16,989	16,989
	Canada²	57,388	55,290	50,322	50,655	50,764
Production (metric tonnes)	Maritime provinces and Quebec	x	x	x	x	x
	Ontario	67,727	64,446	58,360	61,083	63,103
	Prairie provinces	..	x	x	x	x
	British Columbia	x	46,603	46,833	46,894	47,325
	Canada²	120,155	122,057	114,683	118,712	120,253
Sales (CAN\$ '000)	Maritime provinces and Quebec	x	x	x	x	x
	Ontario	278,069	267,284	257,466	287,959	311,346
	Prairie provinces	..	x	x	x	x
	British Columbia	x	138,692	142,071	171,358	173,785
	Canada²	450,096	454,605	443,604	506,650	527,570

Notes:

1. Regional distribution shown as presented by Statistics Canada.

2. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.

.. : Not available.

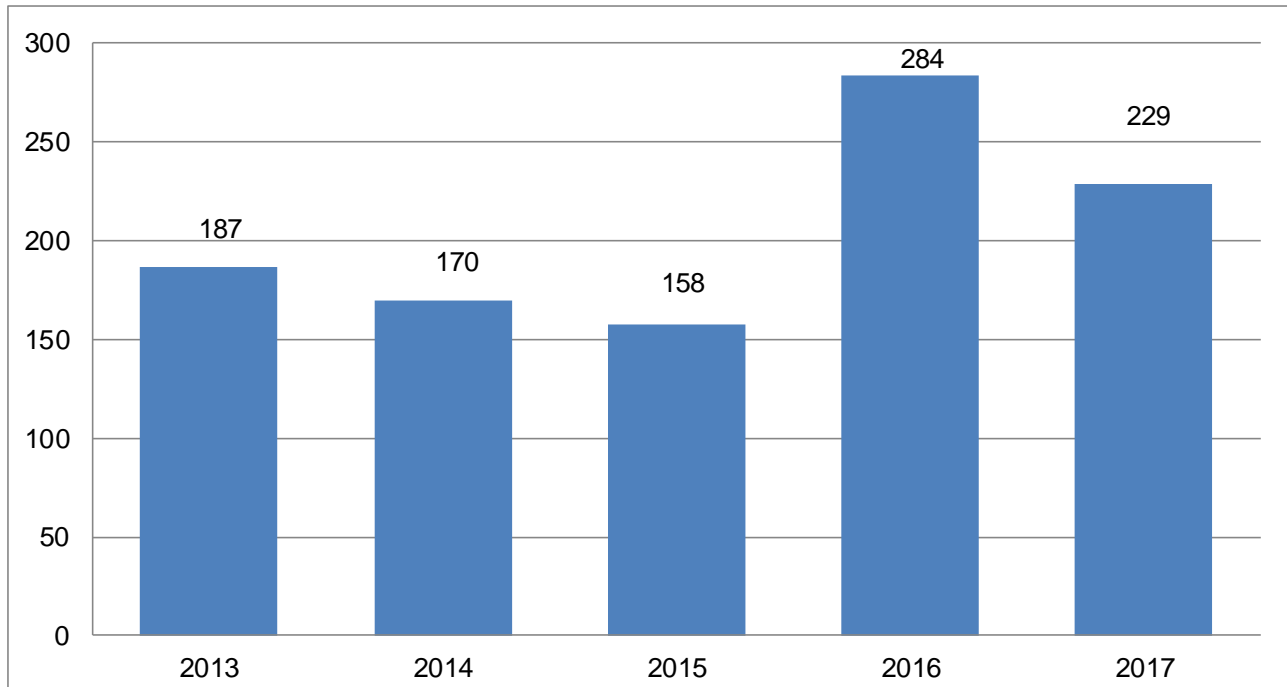
x : Suppressed to meet the confidentiality requirements of the Statistics Act.

Source: Statistics Canada. Table 32-10-0356-01 Area, production and sales of mushrooms



2. Innovation

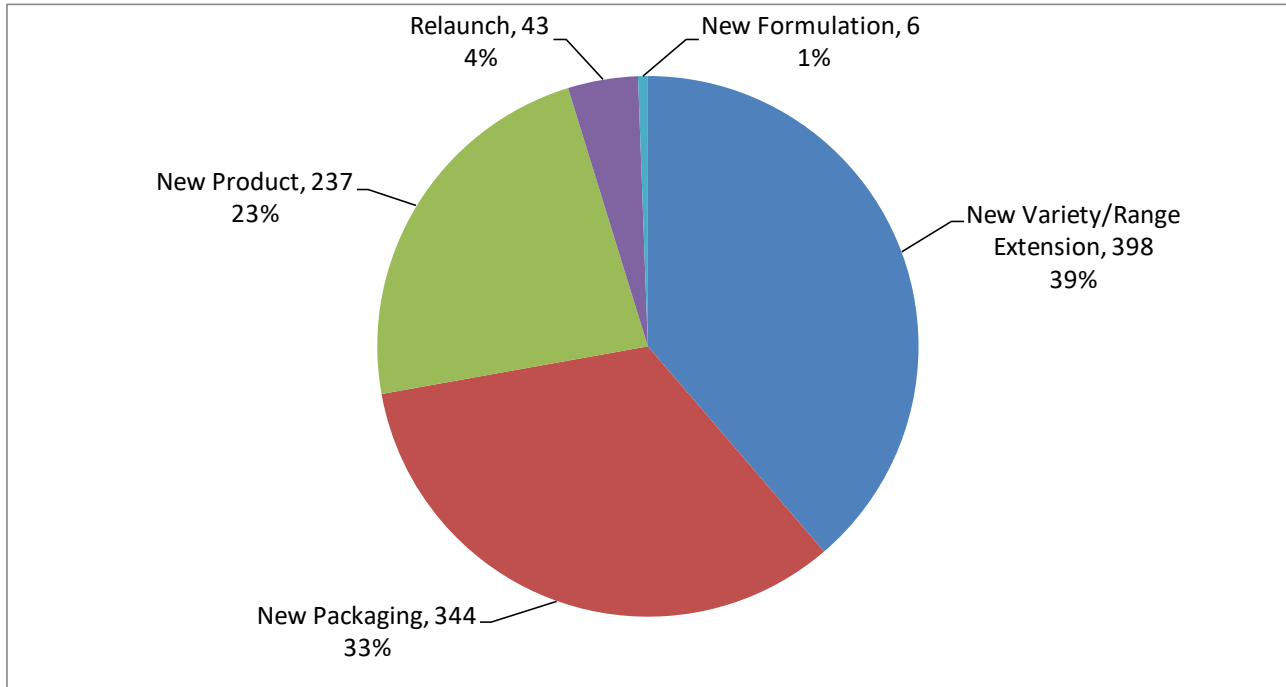
2.1. Number of new products launched in Canada under sub-category “Vegetable”, 2013 – 2017



Source: Mintel



2.2. Number of new products launched in Canada under the sub-category “Vegetable” by launch type, 2013 – 2017



Source: Mintel

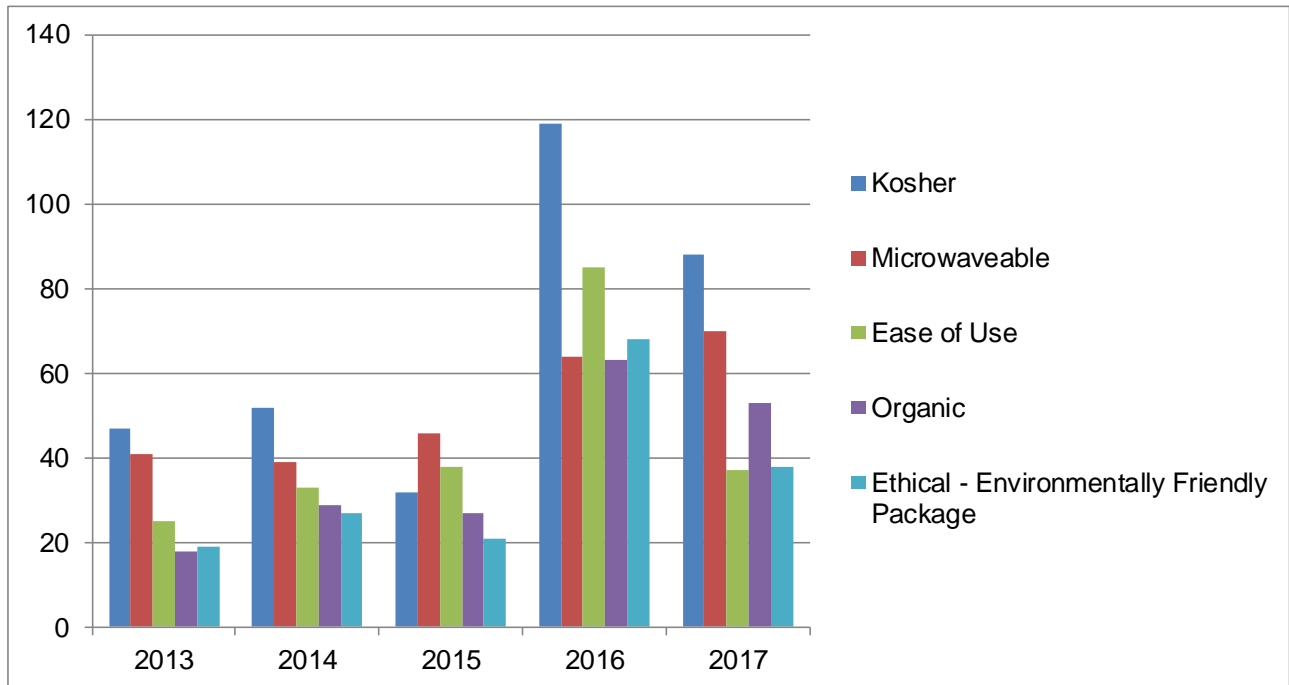
2.3. Top 10 claims of new products launched in Canada under the sub-category “Vegetable”, 2013 – 2017

Claim	2013	2014	2015	2016	2017	Total
Kosher	47	52	32	119	88	338
Microwaveable	41	39	46	64	70	260
Ease of Use	25	33	38	85	37	218
Organic	18	29	27	63	53	190
Ethical - Environmentally Friendly Package	19	27	21	68	38	173
No Additives/Preservatives	22	25	28	24	33	132
High/Added Fiber	42	3	11	55	34	145
Economy	49	17	10	49	13	138
Premium	9	25	21	32	42	129
Convenient Packaging	8	23	29	36	22	118

Source: Mintel



2.4. Top 5 claims of new products launched in Canada under the sub-category “Vegetable”, 2013 – 2017



Source: Mintel



3. Trade

3.1. Canadian vegetable¹ trade balance (CAN\$ '000)

	2013	2014	2015	2016	2017
Exports	1,314,630	1,344,862	1,614,851	1,724,194	1,823,447
Imports	2,650,074	2,927,073	3,455,310	3,699,880	3,714,796
Net trade (exports less imports)	-1,335,444	-1,582,211	-1,840,458	-1,975,687	-1,891,350
Note: 1. Includes frozen and dried. Source: Statistics Canada (CATSNET, July 2018)					



3.2. Exports

3.2.1. Canada's fresh vegetable exports by commodity (CAN\$ '000)

	2013	2014	2015	2016	2017
Tomatoes ¹	337,072	316,733	326,231	372,351	416,576
Peppers ¹	272,850	296,403	361,681	360,058	365,667
Cucumbers and gherkins ^{1,2}	177,332	179,585	204,399	239,450	268,739
Mushrooms ^{2,3}	130,445	141,299	189,173	220,915	218,419
Cabbages	57,186	59,428	86,330	83,994	78,440
Beans ⁴	42,542	50,887	60,207	60,504	66,656
Onions and shallots ³	32,319	40,707	54,208	54,505	54,033
Carrots	39,165	47,165	61,715	53,170	64,836
Corn ⁴	19,789	21,433	34,988	29,627	30,593
Lettuce	18,245	22,168	27,578	28,145	26,879
Peas ⁴	49,002	31,047	24,204	27,873	20,493
Cauliflower and broccoli	10,846	12,149	15,990	17,398	19,888
Sweet potatoes	229	574	9,137	17,057	21,917
Spinach ⁴	5,959	9,172	10,917	9,238	7,286
Asparagus	6,712	5,762	6,293	8,115	7,922
Eggplant	4,200	4,617	5,649	6,216	5,926
Celery	2,826	3,099	4,403	2,514	2,948
Leeks	1,933	2,395	2,142	2,208	1,988
Brussels sprouts	385	500	2,295	1,533	4,794
Leguminous vegetables ⁴	17,027	3,929	934	927	3,374
Turnips	126	209	330	545	1,282
Garlic	343	285	375	483	742
Other vegetables ^{2,3,4}	88,098	95,317	125,673	127,365	134,048
Total	1,314,630	1,344,862	1,614,851	1,724,194	1,823,447

Notes:

1. Includes greenhouse vegetables.
2. Includes provisionally preserved.
3. Includes dried.
4. Includes frozen.

Source: Statistics Canada. (CATSNET, July 2018)



3.2.2. Canada's fresh vegetable exports by commodity (metric tonnes)

	2013	2014	2015	2016	2017
Tomatoes ¹	140,682	146,803	135,553	155,637	167,213
Peppers ¹	103,782	111,432	113,063	133,265	124,830
Cucumbers and gherkins ^{1,2}	107,584	112,815	119,622	137,958	141,252
Mushrooms ^{2,3}	31,945	31,298	32,898	38,018	39,499
Cabbages	78,351	76,524	86,122	90,121	85,433
Beans ⁴	34,262	37,527	36,468	34,281	39,761
Onions and shallots ³	50,559	58,276	81,618	62,221	65,029
Carrots	78,163	88,777	89,385	78,925	96,754
Corn ⁴	16,089	17,452	26,949	19,770	21,476
Lettuce	16,445	18,413	19,166	18,182	18,038
Peas ⁴	52,252	29,652	17,244	19,483	12,274
Cauliflower and broccoli	11,814	12,741	14,070	16,200	19,786
Sweet potatoes	552	1,347	11,664	22,860	30,286
Spinach ⁴	2,149	3,309	3,412	2,546	1,768
Asparagus	1,678	1,439	1,329	1,495	1,421
Eggplant	1,330	1,560	1,582	1,874	1,675
Celery	5,842	5,457	5,155	4,126	4,571
Leeks	1,641	1,737	635	738	706
Brussels sprouts	157	203	857	663	1,850
Leguminous vegetables ⁴	22,942	5,057	775	754	2,790
Turnips	408	498	386	1,265	1,643
Garlic	1,000	211	24	69	169
Other vegetables ^{2,3,4}	86,477	87,206	110,329	110,484	112,259
Total	846,103	849,735	908,306	950,935	990,482

Notes:

1. Includes greenhouse vegetables.
2. Includes provisionally preserved.
3. Includes dried.
4. Includes frozen.

Source: Statistics Canada. (CATSNET, July 2018)



3.2.3. Top 5 vegetable¹ export destinations by commodity (CAN\$ '000)

		2013	2014	2015	2016	2017
United States	Tomatoes	335,650	315,874	324,282	368,278	410,927
	Peppers	272,821	296,339	361,415	359,674	364,667
	Cucumbers	177,265	179,344	204,342	239,421	268,724
	Mushrooms	113,982	128,007	154,584	186,947	195,861
	Cabbages	56,917	59,256	86,040	83,858	78,215
	Others	304,088	333,628	430,281	419,941	449,800
	Total	1,264,614	1,315,827	1,572,418	1,669,422	1,782,488
Netherlands	Sweet potatoes	0	0	5,561	12,702	17,486
	Mushrooms	885	239	1,097	1,310	1,401
	Onions	0	54	34	0	0
	Peas	70	0	0	0	0
	Others	0	26	0	0	0
	Total	954	319	6,692	14,012	18,887
Japan	Tomatoes	1,265	642	1,539	3,478	4,625
	Mushrooms	8,941	3,664	16,063	18,382	3,707
	Peppers	0	0	0	15	532
	Peas	1,851	1,640	253	523	361
	Beans	51	1	0	0	105
	Others	1,902	1,659	270	538	999
	Total	12,107	5,966	17,872	22,397	9,330
France	Mushrooms	1,910	1,962	3,592	1,448	1,531
	Sweet potatoes	0	0	314	391	497
	Beans	9	49	72	249	73
	Tomatoes	6	2	1	7	22
	Peppers	23	25	20	22	18
	Others	45	114	43	51	51
	Total	1,994	2,152	4,042	2,168	2,193
Israel	Sweet potatoes	0	0	351	717	1,307
	Others	0	0	0	0	0
	Total	0	0	351	717	1,307

Note:

1. Includes frozen and dried.

Source: Statistics Canada. (CATSNET, July 2018)



3.2.4. Top 10 vegetable¹ export destinations (CAN\$ '000)

	2013	2014	2015	2016	2017
United States	1,264,614	1,315,827	1,572,418	1,669,422	1,782,488
Netherlands	954	319	6,692	14,012	18,887
Japan	12,107	5,966	17,872	22,397	9,330
France	1,994	2,152	4,042	2,168	2,193
Israel	0	0	351	717	1,307
China	5,522	4,021	1,845	4,693	1,302
Taiwan	158	344	453	796	1,207
Swaziland	0	0	142	5	1,034
Hong Kong	86	580	1,698	1,166	996
Switzerland	484	960	2,313	1,842	652
Others	28,710	14,692	7,026	6,975	4,050
Total	1,314,630	1,344,862	1,614,851	1,724,194	1,823,447

Note:

1. Includes frozen and dried.

Source: Statistics Canada. (CATSNET, July 2018)



3.2.5. Top vegetable export destinations by province (CAN\$)

		2013	2017
Newfoundland and Labrador	Saint Pierre and Miquelon	0	1,891
	France	1,039	1,682
	Total	1,039	3,573
Prince Edward Island	United States	1,250,297	957,305
	Netherlands	0	53,330
	Trinidad and Tobago	121,029	38,340
	Uruguay	0	18,360
	Others	20,212	5,895
	Total	1,391,538	1,073,230
Nova Scotia	United States	14,671,564	14,557,403
	Trinidad and Tobago	0	51,484
	France	38,220	29,044
	Saint Pierre and Miquelon	1,828	4,938
	Total	14,711,612	14,642,869
New Brunswick	United States	670,179	764,377
	Saint Pierre and Miquelon	5,538	19,434
	France	2,503	1,756
	Others	604	0
	Total	678,824	785,567
Quebec	United States	176,889,882	258,880,220
	Netherlands	0	17,432,559
	Israel	0	1,307,371
	Saint Pierre and Miquelon	440,739	593,210
	France	19,317	556,092
	Others	1,063,885	425,022
	Total	178,413,823	279,194,474

Source: Statistics Canada. (CATSNET, July 2018)

...cont'd



3.2.5. Top vegetable export destinations by province (CAN\$) – cont'd

		2013	2017
Ontario	United States	830,565,211	1,184,455,095
	Japan	475,337	2,061,906
	Russian Federation	24,639	230,729
	Bermuda	192,598	189,055
	Barbados	169,718	174,908
	Others	1,544,206	478,611
	Total	832,971,709	1,187,590,304
Manitoba	United States	2,179,146	2,537,999
	Bosnia and Herzegovina	0	46,350
	South Africa	0	16,884
	Netherlands	0	13,381
	Colombia	0	8,240
	Others	4,417	1,556
	Total	2,183,563	2,624,410
Saskatchewan	China	1,115,639	916,475
	United States	13,314,520	567,465
	Angola	130,217	485,016
	Japan	1,850,583	361,369
	Taiwan	21,431	122,400
	Others	3,576,340	463,426
	Total	20,008,730	2,916,151
Alberta	United States	10,932,657	7,006,040
	Egypt	0	145,234
	Cayman Islands	0	28,438
	Australia	0	26,445
	Japan	0	15,791
	Others	240,790	12,692
	Total	11,173,447	7,234,640
British Columbia	United States	214,140,411	312,762,403
	Japan	9,781,221	6,891,419
	France	1,892,943	1,509,917
	Netherlands	884,668	1,387,452
	Taiwan	10,916	1,084,525
	Others	26,385,651	3,712,600
	Total	253,095,810	327,348,316

Source: Statistics Canada. (CATSNET, July 2018)



3.3 Imports

3.3.1. Canada's fresh vegetable¹ imports by commodity (CAN\$ '000)

	2013	2014	2015	2016	2017
Tomatoes ²	310,746	356,847	399,311	463,971	431,814
Lettuce ²	344,513	359,731	457,880	419,747	447,940
Peppers ²	231,615	267,827	300,601	374,099	323,090
Cabbages ³	220,325	281,599	373,824	384,074	374,867
Cauliflower and broccoli	117,902	123,775	156,971	175,714	192,432
Onions and shallots	172,393	177,187	193,051	222,311	199,835
Spinach	108,757	131,345	156,597	157,799	161,380
Carrots	123,028	127,238	146,251	157,587	145,372
Asparagus	86,582	92,135	99,817	104,213	111,078
Beans	68,473	78,872	92,467	94,222	94,307
Celery	75,242	66,175	88,799	89,860	91,784
Cucumbers and gherkins ^{2,4}	61,671	76,069	77,106	84,826	89,108
Peas	69,067	71,305	76,749	83,110	85,696
Garlic	38,741	42,459	57,070	79,589	63,905
Sweet corn	55,649	57,036	63,992	74,322	83,175
Pumpkins	49,311	61,200	67,030	67,683	74,872
Sweet potatoes	42,079	47,056	59,170	62,728	60,342
Mushrooms ⁴	47,650	45,606	53,794	51,339	55,024
Eggplants	29,213	29,661	32,669	36,757	37,371
Yams	19,491	29,102	31,956	34,714	35,391
Brussels sprouts	17,083	20,693	22,577	24,705	28,923
Okra	12,145	13,912	18,418	18,637	21,568
Other vegetables ⁴	348,398	370,244	429,208	437,873	505,522
Total	2,650,074	2,927,073	3,455,310	3,699,880	3,714,796

Notes:

1. May include frozen and dried.
2. Includes greenhouse vegetables.
3. Includes kohlrabi, kale and similar edible brassica.
4. Includes provisionally preserved.

Source: Statistics Canada. (CATSNET, July 2018)



3.3.2. Canada's fresh vegetable¹ imports by commodity (metric tonnes)

	2013	2014	2015	2016	2017
Tomatoes ²	199,837	213,738	201,511	217,651	213,146
Lettuce ²	195,819	188,932	192,614	191,186	191,914
Peppers ²	126,949	122,079	122,807	134,036	133,449
Cabbages ³	165,201	179,979	176,936	182,595	169,525
Cauliflower and broccoli	95,376	91,348	90,777	117,196	107,333
Onions and shallots	191,221	194,408	176,915	201,769	195,203
Spinach	41,750	45,061	43,680	44,193	46,594
Carrots	122,706	113,506	113,348	125,918	119,712
Asparagus	20,217	22,482	18,183	19,224	20,114
Beans	31,504	34,599	41,468	36,270	38,449
Celery	94,208	92,017	89,506	87,974	86,860
Cucumbers and gherkins ^{2,4}	49,939	54,775	50,609	54,653	54,474
Peas	21,193	18,103	18,515	19,122	19,414
Garlic	18,312	18,787	19,973	19,929	18,776
Sweet corn	61,382	53,432	55,521	56,400	64,466
Pumpkins	46,801	51,123	49,683	54,723	56,589
Sweet potatoes	50,634	45,839	55,628	62,715	66,226
Mushrooms ⁴	13,848	12,061	12,244	11,186	12,790
Eggplants	24,357	24,862	24,147	24,950	25,104
Yams	15,761	19,476	18,744	19,986	20,288
Brussels sprouts	8,000	9,174	8,499	8,160	10,189
Okra	5,333	6,362	6,257	6,599	6,782
Other vegetables ⁴	253,647	248,575	243,350	244,366	271,949
Total	1,853,995	1,860,719	1,830,915	1,940,800	1,949,347

Notes:

1. May include frozen and dried.
2. Includes greenhouse vegetables.
3. Includes kohlrabi, kale and similar edible brassica.
4. Includes provisionally preserved.

Source: Statistics Canada. (CATSNET, July 2018)



3.3.3. Top 5 import vegetable import sources by commodity (CAN\$ '000)

		2013	2014	2015	2016	2017
United States	Lettuce	426,692	441,741	557,854	509,799	544,751
	Cabbages	187,403	245,842	320,469	323,161	314,195
	Broccoli and cauliflowers	101,541	102,025	128,385	139,211	162,323
	Spinach	101,090	119,820	143,459	143,988	144,735
	Others	875,320	937,981	1,032,248	1,071,309	1,049,215
	Total	1,692,047	1,847,410	2,182,415	2,187,467	2,215,220
Mexico	Tomatoes	198,949	232,849	274,367	337,534	308,263
	Peppers	140,744	162,358	169,376	237,054	209,854
	Cucumbers and gherkins	45,555	56,536	56,499	62,518	70,390
	Asparagus	38,463	40,429	47,444	56,766	65,948
	Others	227,102	249,570	303,330	332,375	361,246
	Total	650,814	741,742	851,015	1,026,248	1,015,700
China	Garlic	21,692	20,151	28,758	44,093	40,436
	Peas	11,708	10,512	9,864	9,590	11,029
	Mushrooms	7,314	8,160	10,497	8,743	8,121
	Carrots	3,316	2,841	3,825	4,579	4,362
	Others	61,792	68,690	83,863	105,299	121,896
	Total	105,822	110,353	136,807	172,303	185,844
France	Spinach	1,145	1,544	1,280	2,017	1,936
	Leeks	1,863	2,197	1,822	2,180	1,537
	Mushrooms	1,016	802	1,710	1,474	1,471
	Onions and Shallots	304	510	389	1,032	901
	Others	2,083	2,870	4,479	3,142	2,717
	Total	6,411	7,924	9,680	9,845	8,563
Italy	Mushrooms	927	1,107	1,012	994	1,168
	Lettuce	158	81	38	220	342
	Olives	294	271	65	29	269
	Tomatoes	363	316	297	491	265
	Others	1,649	2,379	4,929	5,835	7,917
	Total	833	725	593	486	730
Remarque:						
Source: Statistics Canada. CATSNET, July 2018)						



3.3.4. Top 10 vegetable import sources (CAN\$ '000)

	2013	2014	2015	2016	2017
United States	1,692,047	1,847,410	2,182,415	2,187,467	2,215,220
Mexico	650,814	741,742	851,015	1,026,248	1,015,700
China	105,822	110,353	136,807	172,303	185,844
Peru	46,296	48,014	52,764	48,946	47,001
Spain	20,470	27,937	47,273	55,380	36,847
Guatemala	18,477	20,461	25,465	23,568	30,763
Honduras	10,413	9,996	16,463	19,295	19,991
India	8,582	8,959	11,165	13,996	17,474
Dominican Republic	12,127	15,715	16,486	15,120	16,882
Netherlands	4,903	6,504	6,163	15,137	10,665
Others	80,124	89,982	109,292	122,422	118,409
Total	2,650,074	2,927,073	3,455,310	3,699,880	3,714,796

Source: Statistics Canada. (CATSNET, July 2018)



3.3.5. Top vegetable import sources by province (CAN\$ '000)

		2013	2017
Newfoundland and Labrador	United States	0	0
	Total	0	0
Prince Edward Island	Barbados	0	0
	Total	0	0
Nova Scotia	Poland	247	663
	Spain	0	571
	Israel	119	96
	Peru	0	34
	Nigeria	0	23
	Total	5,149	1,435
New Brunswick	United States	15,956	12,605
	Peru	307	1,192
	Mexico	1,287	467
	Honduras	65	35
	Argentina	0	15
	Total	17,857	14,465
Quebec	United States	95,028	97,867
	China	18,105	29,899
	Spain	11,385	18,231
	Peru	7,595	11,124
	Netherlands	2,303	5,067
	Total	170,593	215,614
Ontario	United States	888,390	1,192,184
	Mexico	428,735	696,546
	China	47,616	82,401
	Peru	27,845	27,790
	Guatemala	13,956	24,802
	Total	1,478,506	2,136,513

Source: Statistics Canada. (CATSNET, July 2018)

...cont'd



3.3.5. Top vegetable import sources by province (CAN\$ '000) – cont'd

		2013	2017
Manitoba	United States	45,038	43,302
	Mexico	10,011	11,657
	Peru	1,914	353
	China	154	295
	Guatemala	98	87
	Total		57,490	56,394
Saskatchewan	United States	26,270	21,531
	Mexico	10,012	10,439
	Peru	1,141	91
	Nicaragua	33	50
	Honduras	0	28
	Total		37,647	32,243
Alberta	United States	213,203	329,570
	Mexico	79,845	117,912
	Spain	543	2,582
	Peru	3,619	2,550
	India	479	2,296
	Total		301,729	342,260
British Columbia	United States	408,162	518,162
	Mexico	117,642	176,348
	China	39,324	71,817
	South Korea	2,563	4,965
	Peru	3,876	3,862
	Total		584,104	796,306

Source: Statistics Canada. (CATSNET, July 2018)



4. Availability for consumption

4.1. Fresh vegetable available for consumption¹ in Canada (kilograms per person)

	2013	2014	2015	2016	2017
Onions and shallots, fresh	8.76	9.22	9.40	8.73	9.27
Lettuce, fresh	9.13	8.71	8.56	8.62	8.44
Tomatoes, fresh	8.46	8.57	8.11	8.11	7.79
Carrots, fresh,	7.87	6.77	8.69	7.72	7.16
Peppers, fresh	4.50	4.28	4.49	4.07	4.34
Cabbage ² , fresh	4.37	4.41	4.35	4.29	3.98
Pumpkins and squash, fresh	3.21	3.75	3.31	3.34	3.42
Cucumbers, fresh	3.36	3.51	3.36	2.99	3.17
Corn, fresh	3.57	3.28	3.31	3.11	3.00
Cauliflower, fresh	2.71	2.36	2.28	2.86	2.87
Celery, fresh	3.11	3.08	3.06	3.06	2.79
Broccoli, fresh	2.59	2.71	2.69	2.69	2.30
Mushrooms, fresh	2.36	2.39	1.92	2.21	2.08
Beets, fresh	0.79	0.80	1.04	0.91	0.98
Rutabagas and turnips, fresh	1.05	1.27	1.32	1.07	0.97
Spinach, fresh	0.89	0.98	0.95	0.93	0.97
Chinese cabbage, fresh	1.01	1.01	1.01	0.96	0.94
Kohlrabi, fresh	0.58	0.89	0.97	0.90	0.87
Beans green and wax, fresh	0.89	0.85	0.90	0.91	0.85
Asparagus, fresh	0.68	0.72	0.65	0.67	0.68
Eggplants, fresh	0.59	0.59	0.57	0.57	0.57
Garlic, fresh	0.49	0.49	0.52	0.51	0.51
Radishes, fresh	0.38	0.45	0.44	0.43	0.44
Parsley, fresh	0.30	0.29	0.31	0.29	0.32
Brussels sprouts, fresh	0.24	0.25	0.24	0.29	0.32
Peas, fresh	0.27	0.22	0.22	0.19	0.31
Leeks, fresh	0.24	0.23	0.27	0.28	0.26
Parsnips, fresh	0.18	0.27	0.22	0.20	0.23
Rapini, fresh	0.20	0.21	0.18	0.18	0.21

Notes:

1. Does not adjust for losses (such as waste and/or spoilage in stores, households, private institutions, restaurants) or losses during preparation.

2. "Chinese cabbage fresh" is included in cabbage.

Source: Statistics Canada. Table 32-10-0054-01 Food available in Canada

...cont'd



4.1. Fresh vegetable available for consumption¹ in Canada (kilograms per person) – cont'd

	2013	2014	2015	2016	2017
Okra, fresh	0.13	0.16	0.15	0.16	0.16
Other edible roots, fresh	0.14	0.11	0.12	0.12	0.06
Manioc, fresh	0.09	0.11	0.11	0.10	0.10
Artichokes, fresh	0.05	0.04	0.03	0.03	0.03
Olives, fresh	0.01	..	0.01	..	0.01
Other leguminous vegetables, fresh	F	F	F	F	F

Notes:

1. Does not adjust for losses (such as waste and/or spoilage in stores, households, private institutions, restaurants) or losses during preparation.

F: Too unreliable to be published.

.. Data not available.

Source: Statistics Canada. Table 32-10-0054-01 Food available in Canada



4.2. Fresh vegetable available for consumption adjusted for losses¹ in Canada (kilograms per person)

	2013	2014	2015	2016	2017
Tomatoes, fresh	6.22	6.29	5.95	5.96	5.72
Lettuce, fresh	5.05	4.82	4.73	4.76	4.67
Onions and shallots, fresh	4.05	4.27	4.35	4.04	4.29
Carrots, fresh,	4.39	3.77	4.84	4.30	3.99
Cabbage ² , fresh	2.28	2.30	2.27	2.24	2.08
Peppers, fresh	2.08	1.97	2.07	1.88	2.00
Celery, fresh	1.60	1.59	1.57	1.57	1.44
Cucumbers, fresh	1.57	1.63	1.57	1.39	1.48
Broccoli, fresh	1.22	1.28	1.27	1.27	1.09
Mushrooms, fresh	1.58	1.60	1.29	1.48	1.39
Pumpkins and squash, fresh	1.15	1.34	1.18	1.19	1.22
Corn, fresh	0.87	0.80	0.81	0.76	0.73
Kohlrabi, fresh	0.41	0.63	0.69	0.64	0.62
Cauliflower, fresh	0.83	0.72	0.70	0.87	0.88
Chinese cabbage, fresh	0.53	0.53	0.53	0.50	0.49
Spinach, fresh	0.50	0.55	0.53	0.52	0.54
Beets, fresh	0.44	0.45	0.58	0.51	0.55
Beans green and wax, fresh	0.49	0.46	0.49	0.50	0.46
Rutabagas and turnips, fresh	0.27	0.33	0.34	0.27	0.25
Eggplants, fresh	0.28	0.28	0.27	0.27	0.27
Asparagus, fresh	0.27	0.28	0.25	0.27	0.27
Garlic, fresh	0.22	0.23	0.24	0.23	0.23
Radishes, fresh	0.14	0.17	0.17	0.16	0.17
Parsley, fresh	0.15	0.15	0.16	0.14	0.16
Brussels sprouts, fresh	0.16	0.16	0.16	0.19	0.20
Leeks, fresh	0.11	0.11	0.13	0.13	0.12
Peas, fresh	0.15	0.12	0.12	0.10	0.17
Parsnips, fresh	0.10	0.15	0.12	0.11	0.13
Rapini, fresh	0.11	0.12	0.10	0.10	0.12
Okra, fresh	0.07	0.08	0.08	0.08	0.08

Notes:

1. Experimental, use with caution. The data have been adjusted for retail, household, cooking and plate loss.
2. "Chinese cabbage fresh" is included in cabbage.

Source: Statistics Canada. Table 32-10-0054-01 Food available in Canada



5. World production

5.1. World fresh vegetable production by commodity (metric tonnes)

	2012	2013	2014	2015	2016
Tomatoes	163,355,685	164,972,148	172,499,120	174,122,499	177,042,359
Onions, dry	82,492,053	84,577,917	89,216,889	91,170,161	93,168,548
Cucumbers and gherkins	70,694,189	73,195,785	76,220,322	78,903,368	80,616,692
Cabbages	67,745,599	68,733,211	70,997,938	70,459,086	71,259,199
Eggplants	46,951,760	48,880,838	49,976,051	50,577,940	51,288,169
Carrots and turnips	37,291,861	38,033,338	38,699,332	41,173,211	42,711,830
Chilies and peppers, green	30,902,842	31,257,079	32,124,664	33,279,809	34,497,462
Lettuce and chicory	25,734,696	24,634,317	25,100,084	26,088,462	26,779,564
Spinach	22,141,613	23,274,869	24,307,535	25,764,880	26,684,493
Garlic	23,408,086	24,249,960	25,017,597	26,783,467	26,573,001
Pumpkins, squash and gourds	23,917,255	24,522,500	25,107,419	25,256,633	26,486,616
Cauliflowers and broccoli	22,637,449	23,344,795	24,378,193	24,438,294	25,233,723
Beans, green	20,878,968	21,362,776	21,706,858	23,115,149	23,595,714
Peas, green	17,065,688	17,429,432	17,457,136	19,435,526	19,877,344
Maize, green	10,878,503	10,990,360	11,925,389	12,027,859	18,098,707
Mushrooms and truffles	9,646,813	9,813,898	10,408,485	10,911,329	10,790,859
Okra	9,694,402	9,627,429	9,787,749	9,091,920	8,900,434
Asparagus	8,281,961	7,934,250	7,875,979	8,551,670	8,726,726
Onions, shallots, green	5,501,006	5,653,709	5,336,413	5,418,704	5,725,132
Leeks, other alliacious vegetables	2,189,701	2,193,200	2,215,409	2,094,634	2,096,067
String beans	1,924,242	1,848,353	1,861,907	1,855,197	1,903,185
Vegetables, leguminous	1,577,221	1,675,152	1,616,280	1,588,165	1,493,577
Artichokes	1,616,180	1,608,858	1,575,700	1,453,696	1,452,577
Cassava leaves	89,269	81,463	76,703	72,613	71,033

Source: FAOSTAT (September 2018)



6. World trade

6.1. Top 10 importers of fresh vegetables¹ worldwide (CAN\$ '000)

	2013	2014	2015	2016	2017
United States	7,080,322	7,692,335	9,215,099	10,847,298	10,507,895
Germany	5,184,590	5,465,228	5,916,699	6,323,700	6,588,585
United Kingdom	3,350,401	3,673,477	4,073,820	4,183,710	4,030,214
Canada	2,367,840	2,607,246	3,075,877	3,279,944	3,278,333
France	2,464,343	2,632,894	2,857,276	3,143,868	3,221,950
Netherlands	1,662,466	1,595,511	1,700,753	1,786,454	2,500,034
Russia	2,526,801	2,590,230	1,877,353	1,522,767	1,846,241
Belgium	1,075,799	1,099,397	1,181,372	1,345,654	1,323,653
Japan	998,907	967,045	1,014,319	1,204,194	1,079,482
Italy	814,594	823,078	965,139	921,491	1,037,841
Others	12,601,993	13,835,380	16,441,726	17,623,788	16,416,990
Total	40,128,057	42,981,821	48,319,433	52,182,868	51,831,218

Note:

1. Does not include potatoes.

Source: Global Trade Tracker. (September 2018)

6.2. Top 10 exporters of fresh vegetables¹ worldwide (CAN\$ '000)

	2013	2014	2015	2016	2017
Netherlands	5,599,467	5,905,641	6,484,540	6,812,870	7,963,618
Mexico	5,002,474	5,339,164	6,364,022	8,017,016	7,744,417
Spain	5,779,826	6,209,731	6,694,953	7,472,356	7,519,188
China	3,203,124	3,724,197	5,215,745	6,630,770	6,268,402
United States	2,843,362	3,098,115	3,499,498	3,693,469	3,639,859
Italy	1,515,914	1,593,753	1,681,666	1,880,405	1,868,223
Canada	1,285,904	1,329,155	1,563,885	1,754,376	1,837,289
France	1,436,396	1,420,329	1,469,506	1,585,352	1,578,232
Morocco	752,054	859,842	863,583	1,103,398	1,397,424
Belgium	969,664	998,088	1,143,225	1,211,272	1,222,401
Others	10,055,571	11,139,156	11,545,576	12,181,675	11,430,940
Total	38,443,757	41,617,171	46,526,199	52,342,960	52,469,994

Note:

1. Does not include potatoes.

Source: Global Trade Tracker. (September 2018)



6.3. Top 10 selected vegetable¹ imports worldwide (CAN\$ '000)

	2013	2014	2015	2016	2017
Tomatoes	9,179,414	10,270,677	10,617,268	11,349,338	11,517,490
Peppers	5,259,487	5,692,422	6,083,069	6,975,322	6,824,230
Onions and shallots	3,359,788	3,371,880	4,212,759	3,926,971	3,681,565
Garlic	2,011,908	1,961,335	2,709,396	3,877,814	3,418,443
Cucumbers and gherkins	2,610,193	2,789,602	2,939,448	3,220,398	3,272,453
Cabbages, kohlrabi and kale	1,652,228	1,846,640	2,222,704	2,353,477	2,353,690
Asparagus	1,475,414	1,546,005	1,764,629	1,983,882	2,008,570
Lettuce	1,493,582	1,582,043	1,858,763	1,864,635	1,986,539
Pumpkins, squash and gourds	1,331,048	1,360,084	1,622,874	1,709,026	1,779,492
Cauliflowers and headed broccoli	1,081,140	1,144,998	1,274,720	1,378,504	1,472,496

Notes:

1. Only "fresh or chilled" vegetables were considered in calculations for this table.

Source: Global Trade Tracker. (September 2018)

6.4. Top 10 vegetable¹ exports worldwide (CAN\$ '000)

	2013	2014	2015	2016	2017
Tomatoes	8,990,702	10,169,297	10,590,255	11,385,861	11,582,157
Peppers	4,938,327	5,298,567	5,713,737	6,607,471	6,574,221
Onions and shallots	3,509,749	3,307,417	4,201,813	4,273,817	4,110,040
Garlic	2,104,186	2,292,711	3,214,862	4,802,602	4,084,255
Cucumbers and gherkins	2,416,936	2,629,928	2,746,053	3,445,779	3,730,802
Cabbages, kohlrabi and kale	1,213,992	1,435,795	1,743,108	3,161,134	3,171,063
Asparagus	1,123,055	1,260,302	1,461,541	1,832,775	1,877,629
Lettuce	1,309,426	1,394,241	1,601,964	1,690,070	1,838,902
Cauliflowers and headed broccoli	1,289,687	1,348,545	1,518,606	1,625,893	1,799,986
Pumpkins, squash and gourds	1,191,813	1,200,161	1,486,259	1,653,182	1,771,417

Notes:

1. Only "fresh or chilled" vegetables were considered in calculations for this table.

Source: Global Trade Tracker. (September 2018)



7. Key resources

FAOSTAT

Global Trade Tracker

Mintel

Statistics Canada. Table 32-10-0403-01 Farms classified by farm type

Statistics Canada. Table 32-10-0019-01 Estimates of specialized greenhouse operations

Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables

Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables

Statistics Canada. Table 32-10-0356-01 Area, production and sales of mushrooms

Statistics Canada. Table 32-10-0054-01 Food available in Canada

Statistics Canada. CATSNET