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# Statistical Overview of the Canadian Vegetable Industry 2018

Prepared by:  
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Agriculture and Agri-Food Canada  
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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 gate<sup>1</sup> 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.

Overall, Canada's field vegetable production volume decreased by 3.2% from 2017 to 2,123,985 metric tonnes in 2018. Field tomatoes topped the production of field vegetables with 492,835 metric tonnes (23%), followed by carrots with 347,340 metric tonnes (16%), and dry onions with 228,460 metric tonnes (11%). Ontario remained the largest producing province accounting for 43% of Canada's total production of field vegetables, followed by Quebec with 38%.

Despite the decline in production volume, the value of field vegetables rose 2.5% in 2018 to \$1.2 billion. Together, carrots, tomatoes, dry onions, lettuce, sweet corn, broccoli and peppers represented more than half of the total value of field vegetables grown in Canada. Carrots recorded the highest value (\$129.9 million), followed by tomatoes (\$105.5 million), dry onions (\$94.6 million), lettuce (\$82.9 million), sweet corn (\$76.4 million), broccoli (\$74.4 million) and peppers (\$68.8 million). Kale is an emerging commodity in Canada. According to data from the Census of Agriculture, the cultivated area for kale increased 389.9% from 2011 to 2016. In 2018, farmers cultivated 252.0 hectares of kale, with a farm-gate value of \$5.5 million.

Canadian mushroom growers produced 125,565 metric tons of mushrooms, up 4.4% compared with 2017, marking the third year-over-year increase. The total value of Canadian mushrooms rose 4.9% from 2017 to \$552.3 million, mainly due to the production increase. Prices were relatively stable compared with the previous year. Ontario and British Columbia are the leading producing provinces of mushrooms in Canada, together accounting for over 90% of total production.

Farm gate value for the greenhouse vegetable sector totaled over \$1.5 billion in 2018, an increase of 5.2% from 2017, largely due to an increase in the value of cucumbers. In 2018, Ontario continued to lead the greenhouse vegetable sector representing 63.2% of total farm gate value, British Columbia and Quebec followed with 19.3% and 9.4%, respectively. Tomatoes were the largest contributor to greenhouse farm gate value, accounting for 37.4% (\$565 million) of the total; cucumbers and peppers followed at 29.7% (\$449 million) and 28.3% (\$428 million) respectively.

Total Canadian vegetable exports, comprising field vegetables, greenhouse vegetables, and mushrooms, grew by 7.9% to \$1.9 billion in 2018. The United States remained Canada's largest purchaser, importing 97.8% of Canada's total vegetable exports.

The greenhouse sector is a significant contributor to the Canadian value of exported vegetables. In 2018, greenhouse products accounted for 51.2% of total vegetable exports.

Due to the seasonal nature of field vegetable production in Canada, imports are an integral component of the Canadian fresh vegetable market and often necessary to fulfill Canadian demand year-round. In 2018, Canada imported approximately \$3.6 billion in vegetables (field vegetables, greenhouse vegetables and mushrooms), with approximately \$2.2 billion (60.1%) coming from the United States; Mexico was the second largest source of Canadian imports, with approximately \$1.0 billion import value. The top vegetables in terms of quantity (including field and greenhouse) imported were lettuce, cabbages, tomatoes, and peppers. The top U.S. imports were lettuce, cabbages, and broccoli/cauliflower whereas imports from Mexico consisted primarily of tomatoes, peppers, and cucumber/gherkins.

The vegetable industry is continually introducing innovative varieties and products to meet changing consumer preferences. In 2018, approximately 274 new products were launched in Canada ranging from

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<sup>1</sup> The "farm gate value" is the price at the point of production, excluding charges for transport or delivery.



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<sup>1,2</sup> 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
<b>Canada</b>	<b>3,632</b>	<b>4,822</b>	<b>5,514</b>

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<sup>1,2</sup> farms by province

	2014	2015	2016	2017	2018
Atlantic provinces	52	54	52	52	51
Quebec	240	242	247	250	238
Ontario	310	315	323	330	325
Prairie provinces	95	100	107	101	102
British Columbia	140	150	160	154	150
<b>Canada</b>	<b>837</b>	<b>861</b>	<b>894</b>	<b>889</b>	<b>866</b>

Notes:

1. Includes specialized greenhouse fruits.

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

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)

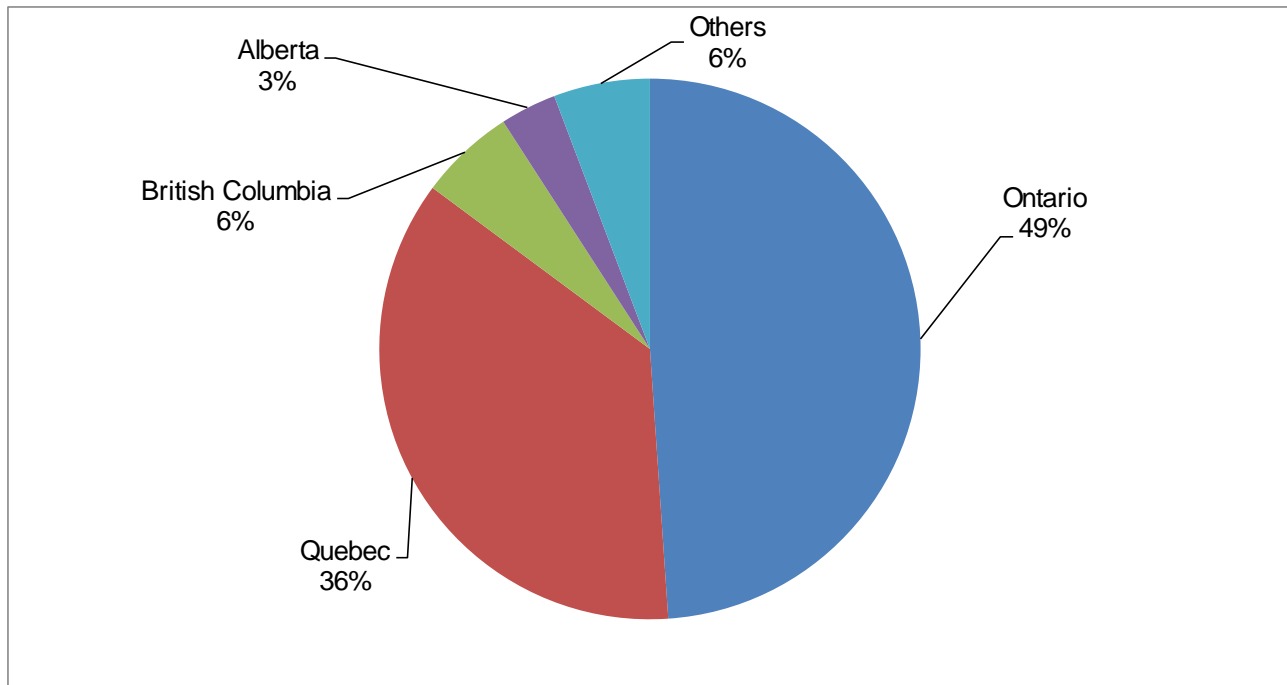
	2014	2015	2016	2017	2018
Newfoundland and Labrador	306	302	306	278	249
Prince Edward Island	722	719	726	812	766
Nova Scotia	1,715	1,722	1,797	2,152	2,114
New Brunswick	710	697	678	647	606
Quebec	37,957	37,802	37,749	37,288	37,165
Ontario	54,379	53,619	54,165	50,362	50,637
Manitoba	634	1,251	1,280	1,393	1,603
Saskatchewan	292	313	320	266	343
Alberta	4,219	3,468	3,949	3,228	3,505
British Columbia	6,396	6,150	5,922	5,858	5,923
<b>Canada<sup>1</sup></b>	<b>110,036</b>	<b>109,835</b>	<b>109,520</b>	<b>103,943</b>	<b>103,220</b>

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, 2018



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)

	2014	2015	2016	2017	2018
Corn, sweet	20,819	20,033	19,248	17,968	17,663
Peas, green	13,169	12,770	12,782	11,176	10,837
Beans, green or wax	7,916	8,445	8,313	8,179	8,465
Carrots <sup>1</sup>	9,139	9,032	8,940	8,662	8,344
Tomatoes	7,106	7,080	6,938	6,557	6,559
Cabbage <sup>2</sup>	6,329	5,914	5,578	5,458	5,925
Dry onions	5,812	5,773	5,734	5,776	5,624
Broccoli	4,150	4,149	4,276	4,423	4,570
Lettuce <sup>3</sup>	3,941	4,007	4,140	3,975	3,961
Squash and zucchinis	3,344	3,473	3,680	3,300	3,202
Pumpkins	3,644	3,490	3,708	3,427	3,197
Peppers	2,660	2,701	2,771	2,556	2,516
Cucumbers and gherkins	2,624	2,719	2,814	2,532	2,435
Asparagus	2,147	2,248	2,351	2,381	2,239
Cauliflowers	1,805	1,718	1,844	1,860	1,852
Beets	1,751	1,817	1,882	1,928	1,758
Rutabagas and turnips	1,755	1,736	1,736	1,678	1,475
Radishes <sup>4</sup>	985	950	963	935	1,085
Celery	879	891	904	870	802
Spinach	842	764	748	716	783
Shallots and green onions	787	771	756	793	780
Sweet potatoes	..	..	..	..	726
Watermelons	786	738	674	693	696
Garlic	F	633	697	658	641
Brussels sprouts	604	585	563	600	631
Other melons	723	712	673	572	505
Parsnips	379	379	364	391	367
Leeks	237	289	314	321	337
Rhubarb	194	204	204	260	221
Parsley	132	168	149	159	153
Other vegetables	5,377	5,646	5,776	5,139	4,871
<b>Total</b>	<b>110,036</b>	<b>109,835</b>	<b>109,520</b>	<b>103,943</b>	<b>103,220</b>

Notes:

1. Includes baby carrots and regular carrots.
  2. Includes Chinese cabbage, regular cabbage and kale.
  3. Includes leaf lettuce, head lettuce and mixed lettuce.
  4. Includes Asian radishes.
- 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)

	2014	2015	2016	2017	2018
Newfoundland and Labrador	3,235	5,132	647	5,900	6,502
Prince Edward Island	1,398	-	-	13,531	14,564
Nova Scotia	67,577	77,992	-	83,556	83,535
New Brunswick	-	5,042	121	4,086	5,677
Quebec	890,937	951,534	915,475	1,145,549	1,228,400
Ontario	9,648,346	10,061,143	10,972,697	11,670,213	12,195,071
Manitoba	835	5,245	496	6,955	9,180
Saskatchewan	12,978	14,139	2,003	15,954	17,765
Alberta	530,301	544,222	547,626	670,984	744,667
British Columbia	3,014,962	2,881,096	3,088,435	3,222,661	3,118,687
<b>Canada<sup>1</sup></b>	<b>14,216,767</b>	<b>14,592,933</b>	<b>15,928,094</b>	<b>16,878,194</b>	<b>17,438,325</b>

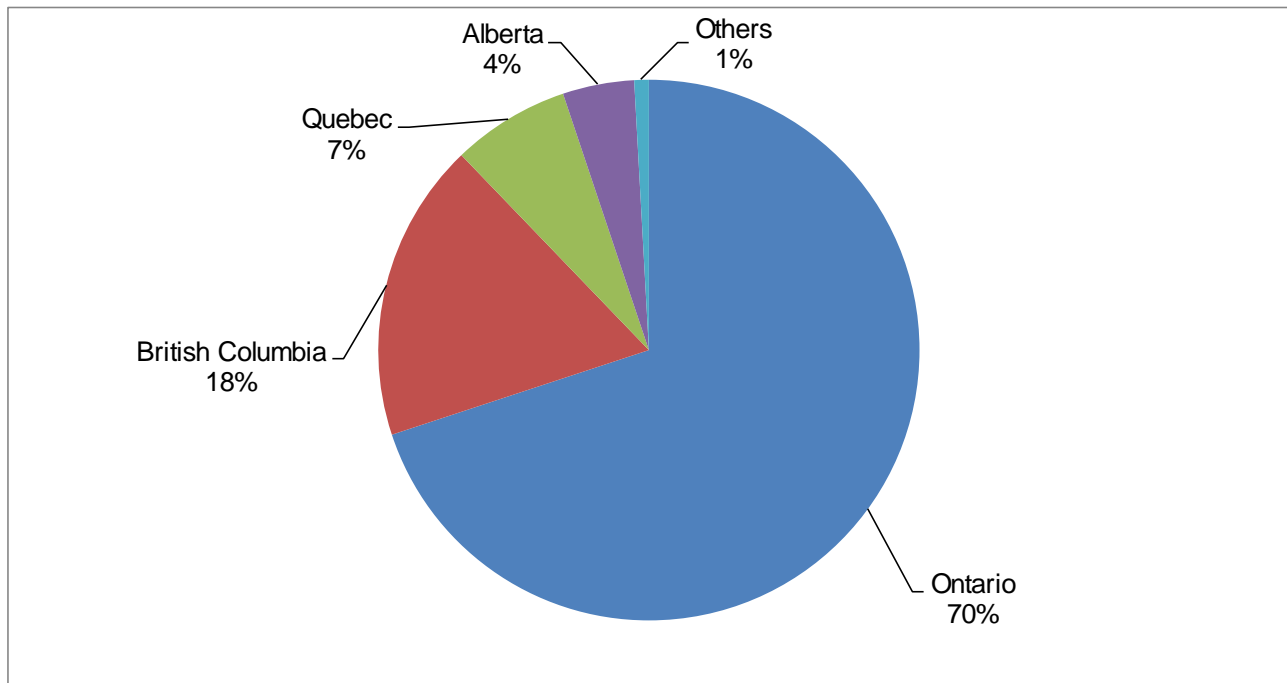
Notes:

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, 2018



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)

	2014	2015	2016	2017	2018
Tomatoes	5,540,993	5,513,837	5,990,278	6,356,198	6,598,074
Peppers	4,951,041	4,940,683	5,385,939	5,625,383	5,608,594
Cucumbers	3,544,039	3,739,159	4,005,746	4,321,832	4,592,058
Lettuce	180,694	187,343	174,696	209,183	199,652
Other fruits or vegetables	..	211,911	194,393	85,214	131,831
Eggplants	..	..	90,123	109,631	110,482
Fine herbs	..	..	26,922	90,429	71,076
Microgreens and shoots	..	..	..	16,773	69,479
Chinese vegetables	..	..	55,471	48,740	43,396
Beans (green and wax)	..	..	4,526	6,630	6,998
Sprouts	..	..	..	8,181	6,685
<b>Total<sup>1</sup></b>	<b>14,216,767</b>	<b>14,592,933</b>	<b>15,928,094</b>	<b>16,878,194</b>	<b>17,438,325</b>

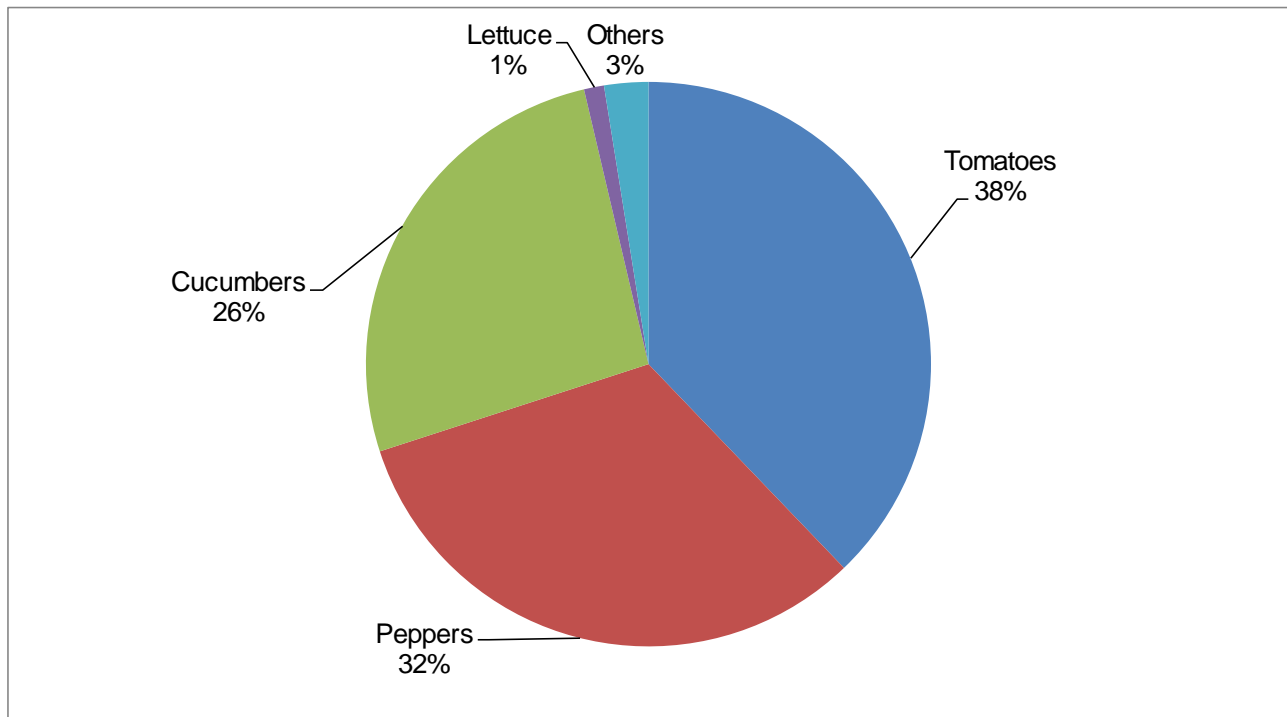
Note:

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, 2018



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



### 1.10. Marketed production<sup>1</sup> of field vegetables by province (metric tonnes)

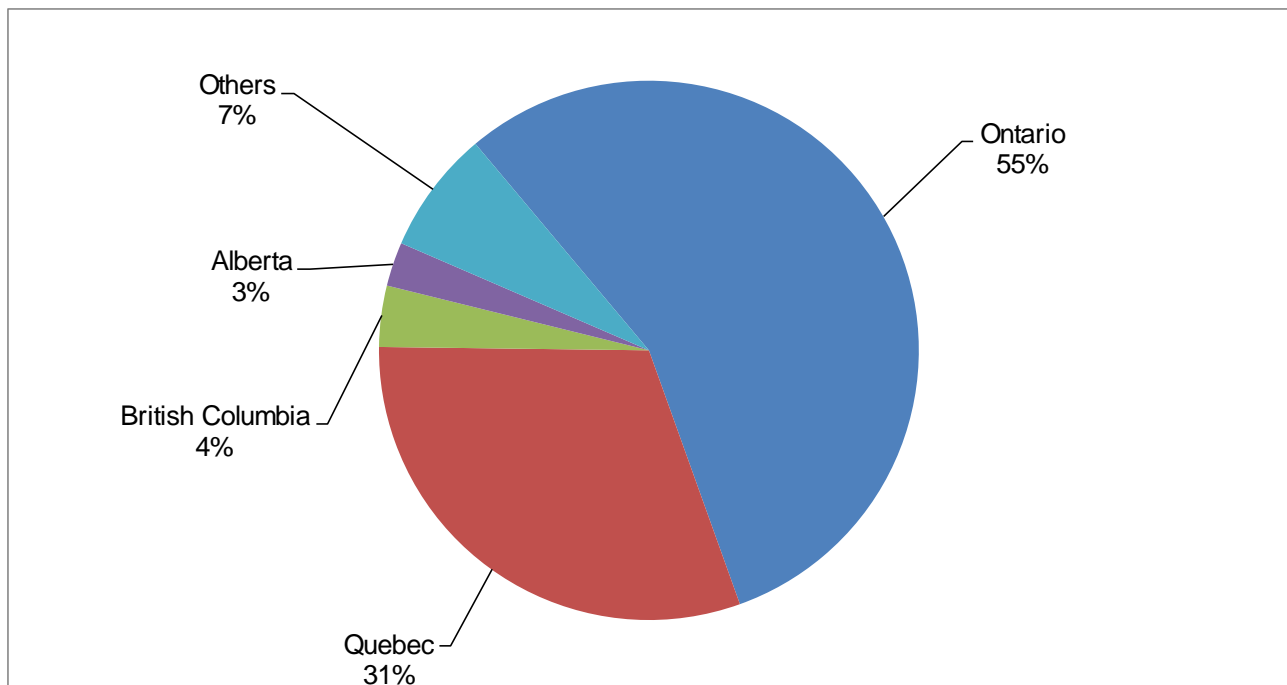
	2014	2015	2016	2017	2018
Newfoundland and Labrador	3,865	4,091	5,751	3,965	3,161
Prince Edward Island	22,022	22,626	20,725	24,818	16,639
Nova Scotia	46,921	45,847	50,118	67,189	54,408
New Brunswick	6,508	5,428	6,721	6,304	5,626
Quebec	638,972	675,811	700,388	687,122	651,516
Ontario	1,167,658	1,226,103	1,257,735	1,232,398	1,181,708
Manitoba	5,294	17,138	19,941	31,424	26,355
Saskatchewan	664	2,248	1,908	3,279	1,873
Alberta	44,311	28,427	48,836	57,971	56,035
British Columbia	67,172	68,338	71,163	80,143	77,827
<b>Canada<sup>2</sup></b>	<b>2,075,273</b>	<b>2,170,503</b>	<b>2,238,263</b>	<b>2,194,613</b>	<b>2,123,984</b>

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, 2018



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



## 1.12. Marketed production<sup>1</sup> of field vegetables by commodity (metric tonnes)

	2014	2015	2016	2017	2018
Tomatoes	358,494	429,165	501,329	478,960	492,836
Carrots <sup>2</sup>	326,543	376,063	358,852	377,484	347,340
Dry onions	244,829	218,715	215,669	230,314	228,461
Corn, sweet	218,757	219,050	196,993	191,447	187,830
Cabbage <sup>3</sup>	170,704	170,035	179,777	159,441	159,852
Lettuce <sup>4</sup>	82,059	84,670	91,463	86,527	87,015
Pumpkins	81,990	76,981	82,257	82,619	75,742
Peppers	62,289	65,314	68,068	68,075	64,081
Cucumbers and gherkins	66,312	54,158	63,589	61,064	55,464
Beans, green or wax	55,167	53,464	54,672	51,913	52,176
Squash and zucchinis	43,498	49,769	54,690	49,407	51,788
Peas, green	56,880	58,659	57,275	46,001	46,323
Rutabagas and turnips	54,099	48,646	47,853	46,621	42,437
Broccoli	39,579	40,875	42,106	42,432	41,700
Beets	35,014	44,531	39,704	38,637	36,431
Celery	36,425	36,058	37,968	34,967	32,414
Cauliflowers	29,965	30,597	32,685	32,416	28,562
Shallots and green onions	16,072	17,989	17,467	18,407	14,829
Other melons	19,444	17,729	17,723	14,323	14,258
Radishes <sup>5</sup>	13,262	16,411	15,726	16,380	13,856
Watermelons	27,089	27,879	24,657	26,199	F
Sweet potatoes	..	..	..	..	10,344
Asparagus	7,142	8,642	9,364	8,865	8,518
Parsnips	9,304	7,565	6,781	8,207	6,855
Brussels sprouts	6,153	5,990	5,120	6,233	6,154
Leeks	3,716	F	5,245	5,413	5,979
Spinach	6,097	6,234	5,825	5,442	4,783
Parsley	1,794	2,410	2,373	2,936	2,507
Rhubarb	1,533	1,485	1,623	2,522	1,723
Garlic	1,063	1,419	1,409	1,361	1,327
<b>Total</b>	<b>2,075,273</b>	<b>2,170,503</b>	<b>2,238,263</b>	<b>2,194,613</b>	<b>2,123,984</b>

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, regular cabbage and kale.
  4. Includes leaf lettuce, head lettuce and mixed lettuce.
  5. Includes Asian radishes.
- F: Too unreliable to be published.  
 ..: Not available.

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



### 1.13. Farm gate value<sup>1</sup> of field vegetables by province (CAN\$ '000)

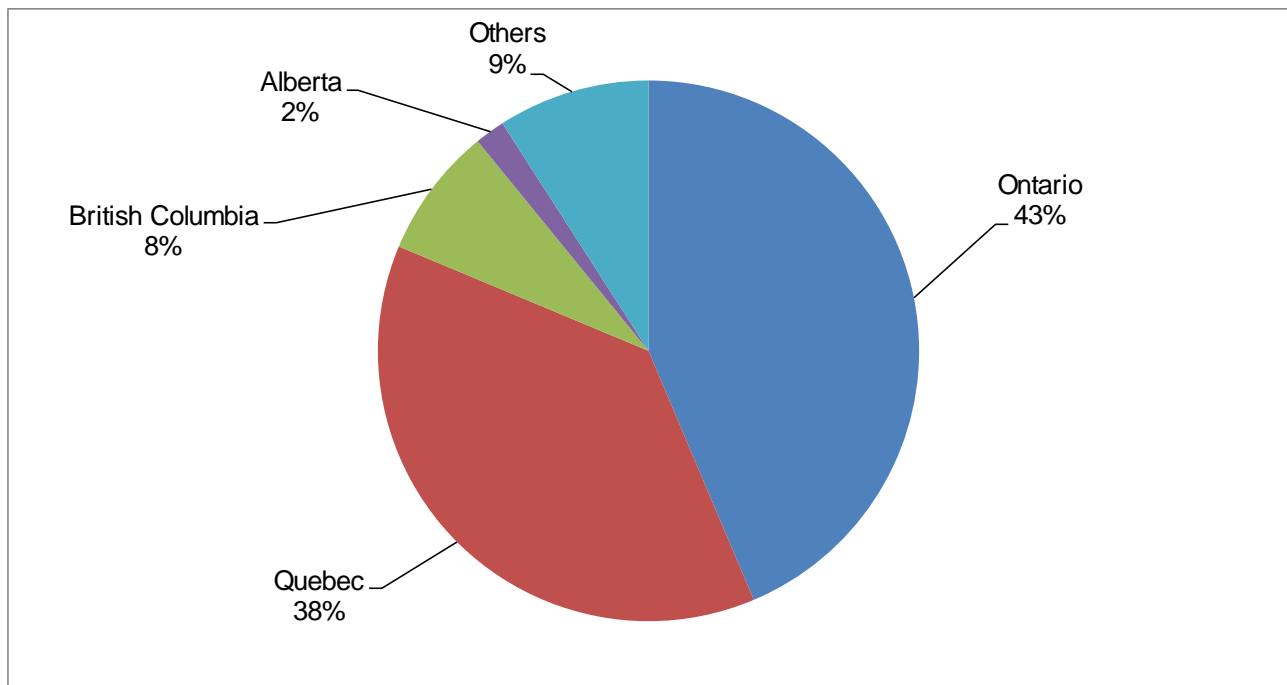
	2014	2015	2016	2017	2018
Newfoundland and Labrador	3,526	4,512	5,953	5,477	4,438
Prince Edward Island	6,307	6,853	8,736	11,043	8,613
Nova Scotia	11,577	22,306	13,775	35,685	18,292
New Brunswick	6,912	6,739	7,975	7,666	6,187
Quebec	356,878	401,771	435,255	432,965	455,406
Ontario	461,812	482,556	494,734	499,204	527,586
Manitoba	2,813	13,426	15,633	21,919	19,811
Saskatchewan	2,264	2,839	2,828	1,742	4,948
Alberta	31,767	22,467	30,043	16,844	21,736
British Columbia	77,537	84,724	84,885	96,932	94,527
<b>Canada<sup>2</sup></b>	<b>1,042,644</b>	<b>1,133,788</b>	<b>1,189,268</b>	<b>1,210,977</b>	<b>1,241,783</b>

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, 2018



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)

	2014	2015	2016	2017	2018
Carrots <sup>1</sup>	110,612	125,955	128,650	132,805	129,882
Tomatoes	80,642	93,025	111,768	109,876	105,520
Dry onions	86,599	83,827	86,463	91,337	94,634
Cabbage <sup>2</sup>	82,575	83,019	80,678	72,924	88,732
Lettuce <sup>3</sup>	69,100	76,063	84,336	78,997	82,879
Corn, sweet	78,064	80,454	75,997	75,879	76,367
Broccoli	54,539	60,980	59,370	72,010	74,393
Peppers	49,559	55,471	61,770	67,570	68,764
Squash and zucchinis	28,998	34,242	39,670	38,163	40,134
Asparagus	27,018	34,615	38,544	39,711	38,111
Beans, green or wax	31,193	35,685	36,303	35,694	38,031
Cucumbers and gherkins	34,490	32,591	40,082	35,485	F
Shallots and green onions	24,650	28,248	26,933	32,992	31,098
Pumpkins	26,451	24,886	26,653	28,747	28,039
Cauliflower	26,730	29,634	30,816	29,236	26,843
Rutabagas and turnips	21,770	25,498	27,153	27,010	25,930
Peas, green	23,213	25,085	25,178	23,225	23,720
Beets	18,957	21,557	20,155	21,435	19,997
Celery	18,638	21,086	22,102	19,197	17,927
Radishes <sup>4</sup>	12,544	13,763	13,783	14,865	15,507
Garlic	11,119	15,169	15,682	15,667	15,282
Brussels sprouts	8,282	8,930	9,389	12,279	13,018
Watermelons	8,621	9,540	10,342	8,401	11,847
Leeks	6,179	8,231	8,955	9,674	11,140
Sweet potatoes	..	..	..	..	10,548
Spinach	11,566	12,408	12,462	11,700	10,508
Other melons	10,332	10,586	10,344	8,611	8,900
Parsnips	9,937	8,632	8,447	9,509	7,983
Parsley	3,459	4,700	5,215	6,541	5,692
Rhubarb	2,124	2,182	2,581	3,654	2,790
Other vegetables	64,683	67,726	69,447	77,783	84,786
<b>Total</b>	<b>1,042,644</b>	<b>1,133,788</b>	<b>1,189,268</b>	<b>1,210,977</b>	<b>1,209,002</b>

Notes:

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

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



### 1.16. Greenhouse vegetable<sup>1</sup> production by province (metric tonnes)

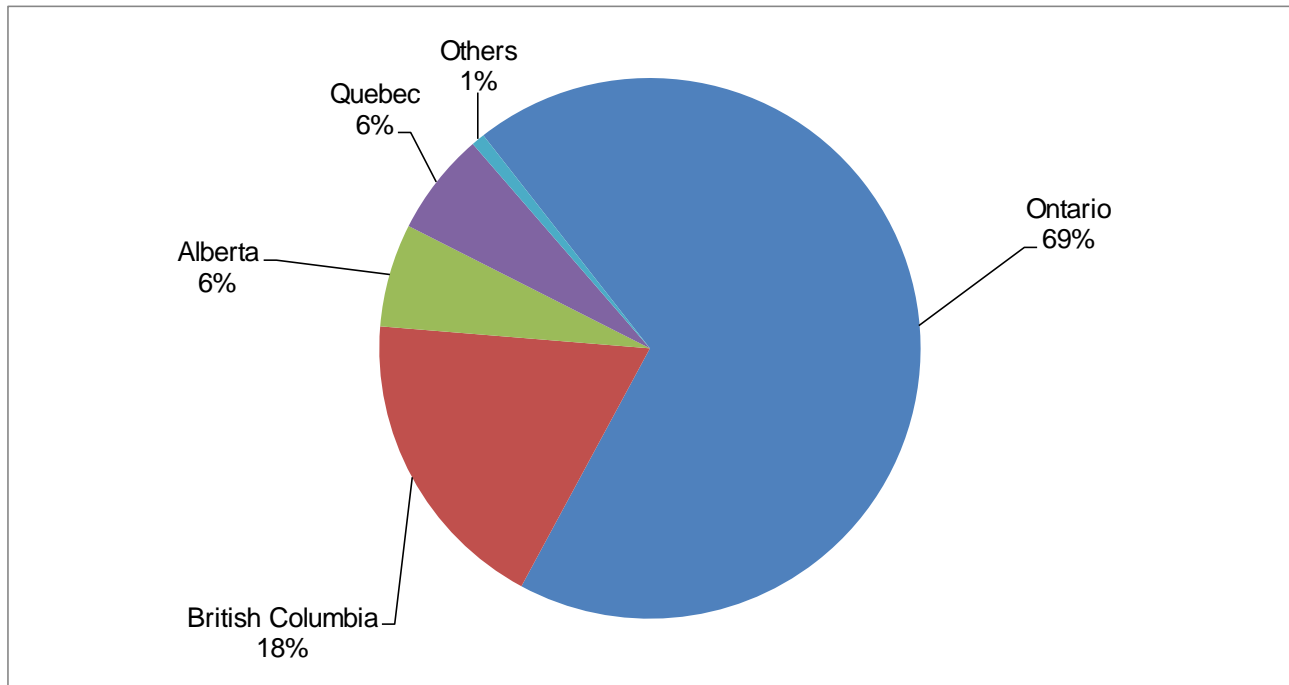
	2014	2015	2016	2017	2018
Newfoundland and Labrador	25	10	3	8	14
Prince Edward Island	48	-	-	2	448
Nova Scotia	2,670	3,090	1,248	2,914	2,902
New Brunswick	24	29	1	-	51
Quebec	24,030	6,110	27,938	38,772	40,741
Ontario	420,341	420,081	424,451	438,680	452,009
Manitoba	24	152	3	186	207
Saskatchewan	164	189	22	224	209
Alberta	22,433	22,195	23,150	33,170	40,790
British Columbia	124,256	114,652	90,881	120,864	121,686
<b>Canada<sup>2</sup></b>	<b>596,251</b>	<b>587,825</b>	<b>604,990</b>	<b>636,723</b>	<b>660,535</b>

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, 2018



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





### 1.18. Greenhouse vegetable production by commodity (metric tonnes)

	2014	2015	2016	2017	2018
Tomatoes	280,332	261,677	271,006	279,494	279,494
Cucumbers	180,342	186,306	189,704	206,227	230,369
Peppers	130,294	134,644	135,657	139,060	139,155
Lettuce	5,283	5,198	4,876	6,256	5,650
Eggplants	..	..	2,904	3,456	3,476
Microgreens and shoots	..	..	..	164	919
Fine herbs	..	..	219	755	579
Chinese vegetables	..	..	587	495	442
Sprouts	..	..	..	776	405
Beans (green and wax)	..	..	36	40	45
<b>Total<sup>1</sup></b>	<b>596,251</b>	<b>587,825</b>	<b>604,990</b>	<b>636,723</b>	<b>660,535</b>

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)

	2014	2015	2016	2017	2018
Newfoundland and Labrador	83	145	42	141	143
Prince Edward Island	155	-	-	8	1,897
Nova Scotia	7,503	8,433	8,012	7,516	4,793
New Brunswick	90	244	29	115	295
Quebec	82,678	36,568	98,861	128,839	142,296
Ontario	796,226	831,591	859,787	917,857	955,487
Manitoba	87	609	82	975	1,217
Saskatchewan	873	1,386	715	708	1,480
Alberta	52,114	53,584	54,689	69,386	88,783
British Columbia	290,743	296,577	294,435	289,930	291,961
<b>Canada<sup>1</sup></b>	<b>1,238,667</b>	<b>1,295,856</b>	<b>1,331,163</b>	<b>1,437,089</b>	<b>1,511,251</b>

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)

	2014	2015	2016	2017	2018
Tomatoes	507,098	514,251	537,032	555,196	565,005
Cucumbers	314,069	316,495	336,050	395,760	449,028
Peppers	389,700	420,539	409,980	421,873	428,257
Lettuce	27,800	28,769	27,366	32,036	31,597
Eggplants	..	..	7,757	11,531	11,727
Microgreens and shoots	..	..	-	3,585	8,384
Other fruits or vegetables	..	15,802	7,839	6,047	7,639
Fine herbs	..	..	3,559	8,576	7,155
Chinese vegetables	..	..	1,226	1,180	1,076
Sprouts	..	..	..	993	1,014
Beans (green and wax)	..	..	353	313	367
<b>Total</b>	<b>1,238,667</b>	<b>1,295,856</b>	<b>1,331,163</b>	<b>1,437,089</b>	<b>1,511,251</b>

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 sales<sup>1</sup> of Canadian mushrooms

		2014	2015	2016	2017	2018
<b>Harvested area (thousands of square feet)</b>	Maritime provinces and Quebec	x	x	x	x	x
	Ontario	32,789	27,613	28,907	29,199	31,965
	Prairie provinces	x	x	x	x	x
	British Columbia	18,501	18,500	16,989	16,989	17,292
	<b>Canada<sup>2</sup></b>	<b>55,290</b>	<b>50,322</b>	<b>50,655</b>	<b>50,764</b>	<b>53,558</b>
<b>Production (metric tonnes)</b>	Maritime provinces and Quebec	x	x	x	x	x
	Ontario	64,445	58,360	61,082	63,103	69,195
	Prairie provinces	x	x	x	x	x
	British Columbia	46,603	46,833	46,894	47,325	47,352
	<b>Canada<sup>2</sup></b>	<b>122,057</b>	<b>114,682</b>	<b>118,711</b>	<b>120,252</b>	<b>125,565</b>
<b>Sales (CAN\$ '000)</b>	Maritime provinces and Quebec	x	x	x	x	x
	Ontario	267,284	257,466	287,959	311,346	338,350
	Prairie provinces	x	x	x	x	x
	British Columbia	138,692	142,071	171,358	173,785	173,790
	<b>Canada<sup>2</sup></b>	<b>454,605</b>	<b>443,604</b>	<b>506,650</b>	<b>527,570</b>	<b>553,320</b>

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.

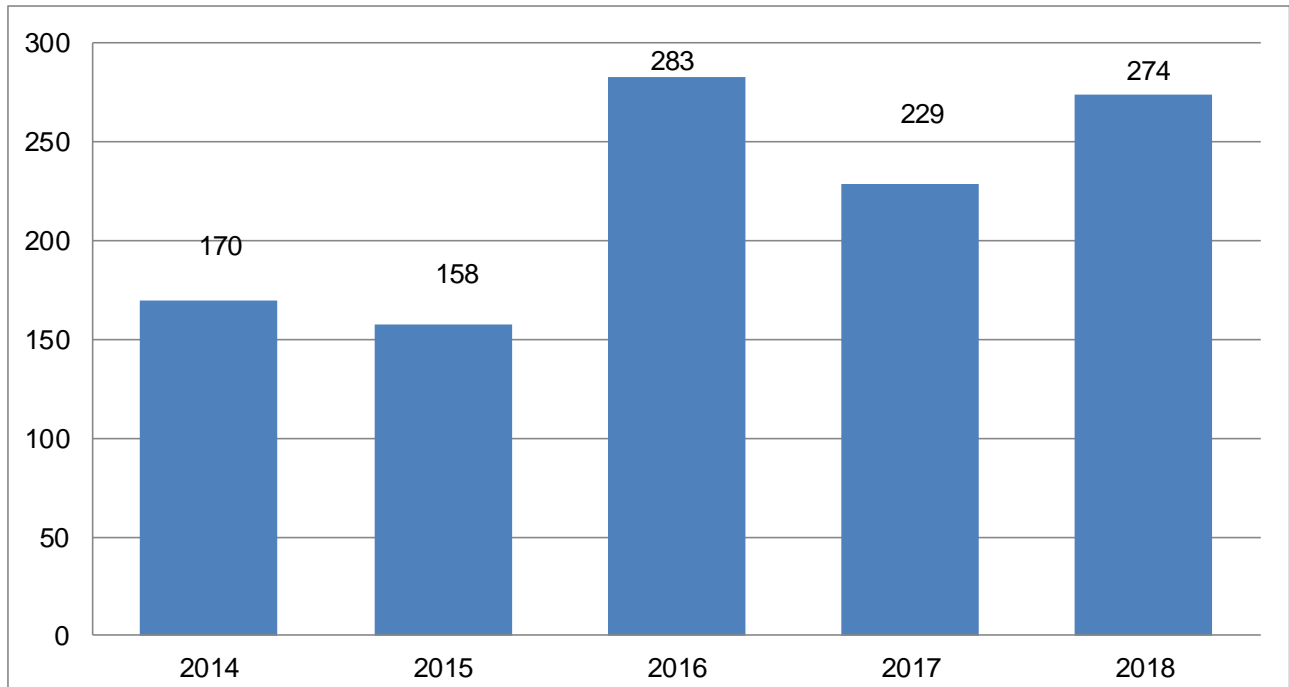
x : Suppressed to meet the confidentiality requirements of the Statistics Act.

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



## 2. Innovation

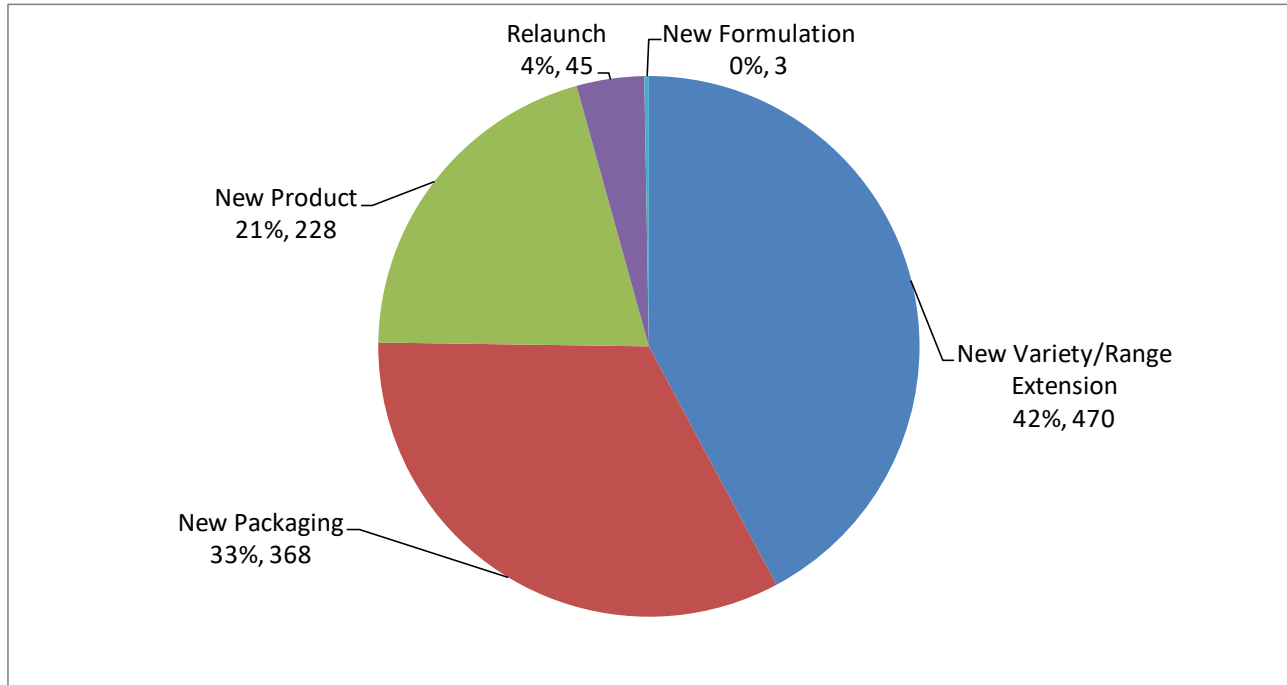
### 2.1. Number of new products launched in Canada under sub-category “Vegetable”, 2014 – 2018



Source: Mintel



## 2.2. Number of new products launched in Canada under the sub-category “Vegetable” by launch type, 2014 – 2018



Source: Mintel

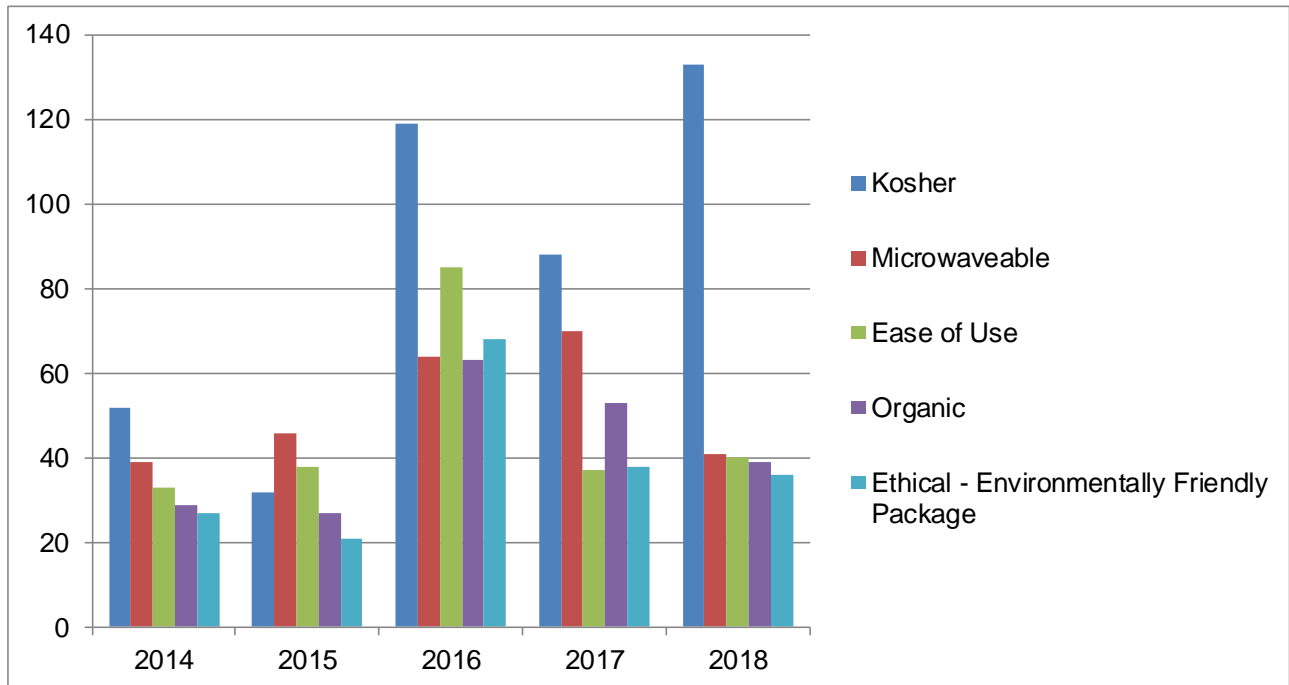
## 2.3. Top 10 claims of new products launched in Canada under the sub-category “Vegetable”, 2014 – 2018

Claim	2014	2015	2016	2017	2018	Total
Kosher	52	32	119	88	133	<b>424</b>
Microwaveable	39	46	64	70	41	<b>260</b>
Ease of Use	33	38	85	37	40	<b>233</b>
Organic	29	27	63	53	39	<b>211</b>
Ethical - Environmentally Friendly Package	27	21	68	38	36	<b>190</b>
Ethical - Recycling	27	16	66	36	36	<b>181</b>
High/Added Fiber	3	11	55	34	59	<b>162</b>
Premium	25	21	32	42	17	<b>137</b>
No Additives/Preservatives	25	28	24	33	19	<b>129</b>
Convenient Packaging	23	29	36	22	13	<b>123</b>

Source: Mintel



## 2.4. Top 5 claims of new products launched in Canada under the sub-category “Vegetable”, 2014 – 2018



Source: Mintel



## 3. Trade

### 3.1. Canadian vegetable<sup>1</sup> trade balance (CAN\$ '000)

	2014	2015	2016	2017	2018
Exports	1,337,969	1,603,544	1,714,079	1,813,216	1,955,765
Imports	2,817,291	3,325,255	3,552,770	3,553,563	3,615,372
<b>Net trade (exports less imports)</b>	<b>-1,479,322</b>	<b>-1,721,711</b>	<b>-1,838,691</b>	<b>-1,740,346</b>	<b>-1,659,607</b>
Note: 1. Includes frozen. Source: Statistics Canada (CATSNET, May 2019)					



## 3.2. Exports

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

	2014	2015	2016	2017	2018
Tomatoes <sup>1</sup>	316,733	326,231	372,351	416,576	392,008
Peppers <sup>1</sup>	296,403	361,681	360,058	365,667	391,320
Cucumbers and gherkins <sup>1</sup>	179,585	204,399	239,434	268,739	305,824
Mushrooms	135,589	180,349	213,762	210,003	262,825
Cabbages, kohlrabi and kale	36,405	54,259	57,332	49,100	79,306
Carrots and turnips	47,606	62,045	53,715	66,118	72,799
Onions and shallots	40,707	54,208	54,503	54,033	58,831
Beans <sup>2</sup>	50,887	60,207	60,504	66,621	58,373
Cabbage lettuce (head lettuce)	23,023	32,071	26,662	29,338	32,983
Corn <sup>2</sup>	21,433	34,988	29,627	30,593	27,377
Lettuce	22,168	27,578	28,137	26,879	27,310
Sweet potatoes	574	9,137	17,057	21,917	26,763
Pumpkins, squash and gourds	7,013	16,829	18,981	19,477	24,021
Peas <sup>2</sup>	31,047	24,204	27,873	20,493	19,752
Cauliflowers and headed broccoli	12,149	15,990	17,398	19,888	16,608
Asparagus	5,762	6,293	8,115	7,922	8,348
Spinach <sup>2</sup>	9,172	10,917	9,238	7,286	7,754
Aubergines (egg-plants)	4,617	5,649	6,216	5,926	6,157
Celery	3,099	4,403	2,514	2,948	4,042
Brussels sprouts	500	2,295	1,533	4,794	3,556
Leeks	2,395	2,142	2,208	1,988	1,884
Garlic	285	375	483	742	695
Other vegetables <sup>2,3</sup>	90,818	107,294	106,377	116,168	127,230
<b>Total</b>	<b>1,337,969</b>	<b>1,603,544</b>	<b>1,714,079</b>	<b>1,813,216</b>	<b>1,955,765</b>

Notes:

1. Includes greenhouse vegetables.

2. Includes frozen.

3. Includes provisionally preserved.

Source: Statistics Canada. (CATSNET, May 2019)





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

	2014	2015	2016	2017	2018
Tomatoes <sup>1</sup>	146,803	135,553	155,637	167,213	151,867
Cucumbers and gherkins <sup>1</sup>	112,815	119,622	137,951	141,252	145,093
Peppers <sup>1</sup>	111,432	113,063	133,265	124,830	123,036
Carrots and turnips	89,275	89,771	80,190	98,396	94,596
Cabbages, kohlrabi ad kale	56,645	63,074	68,624	64,622	83,768
Onions and shallots	58,276	81,618	62,220	65,029	66,872
Mushrooms	31,082	32,502	37,559	38,172	46,012
Sweet potatoes	1,347	11,664	22,860	30,286	36,870
Beans <sup>2</sup>	37,527	36,468	34,281	39,672	35,200
Pumpkins, squash and gourds	9,741	21,606	27,188	26,701	32,618
Cabbage lettuce (head lettuce)	19,880	23,048	21,497	20,812	21,721
Corn <sup>2</sup>	17,452	26,949	19,770	21,476	19,517
Lettuce	18,413	19,166	18,173	18,038	16,033
Cauliflowers and headed broccoli	12,741	14,070	16,200	19,786	14,625
Peas <sup>2</sup>	29,652	17,244	19,483	12,274	11,550
Celery	5,457	5,155	4,126	4,571	5,506
Aubergines (egg-plants)	1,560	1,582	1,874	1,675	2,028
Spinach <sup>2</sup>	3,309	3,412	2,546	1,768	1,888
Asparagus	1,439	1,329	1,495	1,421	1,648
Brussels sprouts	203	857	663	1,850	1,315
Leeks	1,737	635	738	706	671
Garlic	24	69	169	226	189
Other vegetables <sup>2,3</sup>	81,801	88,291	82,810	87,655	93,162
<b>Total</b>	<b>848,610</b>	<b>906,748</b>	<b>949,318</b>	<b>988,430</b>	<b>1,005,784</b>

Notes:

1. Includes greenhouse vegetables.

2. Includes frozen.

3. Includes provisionally preserved.

Source: Statistics Canada. (CATSNET, May 2019)



### 3.2.3. Top 5 vegetable<sup>1</sup> export destinations by commodity (CAN\$ '000)

		2014	2015	2016	2017	2018
<b>United States</b>						
	Peppers	296,339	361,415	359,674	364,667	390,344
	Tomatoes	315,874	324,282	368,278	410,927	385,912
	Cucumbers	179,344	204,342	239,405	268,724	305,795
	Mushrooms	132,491	162,191	194,274	202,175	255,800
	Cabbages	36,286	54,004	57,210	48,888	79,044
	<b>Total</b>	<b>1,314,445</b>	<b>1,569,764</b>	<b>1,666,141</b>	<b>1,774,216</b>	<b>1,913,201</b>
<b>Netherlands</b>	Sweet potatoes	0	5,561	12,702	17,486	20,818
	Mushrooms	188	1,097	1,286	1,390	442
	Carrots and turnips	0	0	0	0	44
	Onions and shallots	54	34	0	0	0
	Others	0	0	0	0	0
	<b>Total</b>	<b>242</b>	<b>6,692</b>	<b>13,988</b>	<b>18,876</b>	<b>21,305</b>
<b>Japan</b>	Tomatoes	642	1,539	3,478	4,625	5,308
	Mushrooms	2,659	14,082	16,380	3,379	4,106
	Peppers	0	0	15	532	719
	Peas	1,640	253	523	361	127
	Leguminous vegetables	0	0	0	0	1
	Others	19	17	0	105	347
	<b>Total</b>	<b>4,960</b>	<b>15,891</b>	<b>20,395</b>	<b>9,002</b>	<b>10,608</b>
<b>Israel</b>	Sweet potatoes	0	351	717	1,307	2,159
	Others	0	0	0	0	0
	<b>Total</b>	<b>0</b>	<b>351</b>	<b>717</b>	<b>1,307</b>	<b>2,159</b>
<b>Norway</b>	Sweet potatoes	0	0	0	146	1,633
	Others	0	0	0	19	0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>166</b>	<b>1,633</b>

Note:

1. Includes frozen.

Source: Statistics Canada. (CATSNET, May 2019)



### 3.2.4. Top 10 vegetable<sup>1</sup> export destinations (CAN\$ '000)

	2014	2015	2016	2017	2018
United States	1,314,445	1,569,764	1,666,141	1,774,216	1,913,201
Netherlands	242	6,692	13,988	18,876	21,305
Japan	4,960	15,891	20,395	9,002	10,608
Israel	0	351	717	1,307	2,159
Norway	0	0	0	166	1,633
France	328	2,013	1,633	1,978	1,490
Hong Kong	386	1,096	792	941	1,292
Taiwan	343	428	796	1,207	789
Saint Pierre and Miquelon	540	615	637	617	612
Switzerland	0	362	476	236	449
Others	16,725	6,333	8,504	4,671	2,227
<b>Total</b>	<b>1,337,969</b>	<b>1,603,544</b>	<b>1,714,079</b>	<b>1,813,216</b>	<b>1,955,765</b>

Note:

1. Includes frozen.

Source: Statistics Canada. (CATSNET, May 2019)



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

		2014	2018
Newfoundland and Labrador	France	1,577	3,569
	Saint Pierre and Miquelon	276	0
	<b>Total</b>	<b>1,853</b>	<b>3,569</b>
Prince Edward Island	United States	1,266,931	1,007,112
	Jamaica	21,033	45,551
	Trinidad and Tobago	81,094	35,410
	Iceland	68,750	23,100
	Others	54	9,341
	<b>Total</b>	<b>1,437,862</b>	<b>1,120,514</b>
Nova Scotia	United States	13,602,995	14,585,242
	United Kingdom	0	68,315
	France	37,507	40,079
	Trinidad and Tobago	0	26,410
	Saint Pierre and Miquelon	3,524	6,302
	Others	13,200	0
	<b>Total</b>	<b>13,657,226</b>	<b>14,726,348</b>
New Brunswick	United States	1,118,535	558,017
	Saint Pierre and Miquelon	15,342	22,670
	France	1,778	1,610
	Saint Lucia	11,756	0
	Others	4,763	0
	<b>Total</b>	<b>1,152,174</b>	<b>582,297</b>
Quebec	United States	190,526,588	297,368,660
	Netherlands	0	20,265,502
	Israel	0	2,158,780
	Norway	0	1,633,204
	Saint Pierre and Miquelon	510,118	583,088
	Others	782,559	746,863
	<b>Total</b>	<b>191,819,265</b>	<b>322,756,097</b>

Source: Statistics Canada. (CATSNET, May 2019)

...cont'd



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

		2014	2018
Ontario	United States	853,398,521	1,246,279,067
	Japan	634,176	2,855,528
	Netherlands	53,688	552,865
	Barbados	75,499	248,257
	Bermuda	184,996	210,871
	Others	3,069,087	189,210
	<b>Total</b>	<b>857,415,967</b>	<b>1,250,335,798</b>
Manitoba	United States	3,078,587	1,935,428
	United Arab Emirates	0	127,967
	Germany	0	61,022
	Netherlands	0	44,481
	Japan	657,505	2,602
	Others	1,064,411	11,920
	<b>Total</b>	<b>4,800,503</b>	<b>2,183,420</b>
Saskatchewan	United States	1,368,037	1,126,243
	Thailand	677,809	311,021
	Mexico	0	141,837
	Japan	562,859	126,684
	China	2,465,350	123,286
	Others	3,069,127	79,201
	<b>Total</b>	<b>8,143,182</b>	<b>1,908,272</b>
Alberta	United States	9,544,196	11,995,367
	Mauritius	0	15,651
	Japan	0	13,225
	India	1,080,002	0
	Colombia	1,015,629	0
	Others	1,342,793	0
	<b>Total</b>	<b>12,982,620</b>	<b>12,024,243</b>
British Columbia	United States	240,540,527	338,345,552
	Japan	3,105,729	7,610,181
	France	177,521	1,193,606
	Hong Kong	79,995	1,119,578
	Taiwan	209,436	788,992
	Others	2,444,711	1,066,737
	<b>Total</b>	<b>246,557,919</b>	<b>350,124,646</b>

Source: Statistics Canada. (CATSNET, May 2019)



### 3.3 Imports

#### 3.3.1. Canada's fresh vegetable<sup>1</sup> imports by commodity (CAN\$ '000)

	2014	2015	2016	2017	2018
Lettuce <sup>1</sup>	359,731	457,880	419,745	447,921	442,558
Tomatoes <sup>1</sup>	356,847	399,311	463,969	431,634	416,007
Cabbages, kohlrabi and kale	281,599	373,824	384,075	374,848	380,638
Peppers <sup>1</sup>	267,827	300,601	374,098	323,104	345,062
Onions and shallots	160,087	171,702	202,016	178,541	193,407
Cauliflowers and headed broccoli	106,004	137,133	149,790	189,110	188,533
Spinach <sup>2</sup>	131,345	156,597	157,799	161,440	161,815
Carrots and turnips	126,839	144,920	154,466	141,621	153,245
Asparagus	92,135	99,817	104,213	111,090	110,184
Beans <sup>2</sup>	78,872	92,467	94,222	94,275	101,300
Cabbage lettuce (head lettuce)	82,830	105,304	91,169	103,972	97,215
Peas <sup>2</sup>	71,305	76,749	83,113	85,695	90,379
Cucumbers and gherkins <sup>1</sup>	75,610	76,552	84,373	88,245	88,346
Celery	66,175	88,799	89,861	91,787	85,828
Pumpkins, squash and gourds	61,200	67,030	67,686	74,870	74,248
Sweet potatoes	47,056	59,170	62,736	60,359	66,596
Mushrooms	30,735	35,416	33,744	37,738	52,355
Garlic	36,889	48,659	68,727	62,929	48,606
Aubergines	29,661	32,669	36,757	37,362	35,379
Yams	29,102	31,956	34,714	35,413	31,057
Brussels sprouts	19,282	21,798	24,191	28,067	27,333
Leeks	11,997	12,976	13,940	11,717	11,547
Sweet corn <sup>2</sup>	8,195	9,242	10,124	14,840	10,650
Other vegetables <sup>2,3</sup>	284,403	322,195	345,245	365,413	399,665
<b>Total</b>	<b>2,815,726</b>	<b>3,322,767</b>	<b>3,550,772</b>	<b>3,551,990</b>	<b>3,611,954</b>

Notes:

1. Includes greenhouse vegetables.

2. Includes Frozen

3. Includes provisionally preserved.

Source: Statistics Canada. (CATSNET, May 2019)



### 3.3.2. Canada's fresh vegetable<sup>1</sup> imports by commodity (metric tonnes)

	2014	2015	2016	2017	2018
Tomatoes <sup>1</sup>	213,738	201,511	217,651	212,834	227,932
Onions and shallots	189,190	171,624	196,947	190,255	198,067
Lettuce <sup>1</sup>	188,932	192,614	191,181	191,892	184,853
Cabbages, kohlrabi and kale	179,979	176,936	182,595	169,557	178,352
Peppers <sup>1</sup>	122,079	122,807	134,036	133,457	141,152
Carrots and turnips	112,327	111,916	121,210	114,979	117,072
Cauliflowers and headed broccoli	77,994	75,206	98,517	105,024	110,097
Celery	92,017	89,506	87,975	86,860	87,730
Cabbage lettuce (head lettuce)	95,009	89,538	88,192	87,463	86,989
Sweet potatoes	45,839	55,628	62,734	66,242	72,403
Pumpkins, squash and gourds	51,123	49,683	54,723	56,589	55,578
Cucumbers and gherkins <sup>1</sup>	54,775	50,609	54,653	54,407	54,361
Spinach <sup>2</sup>	45,061	43,680	44,193	46,588	46,585
Beans <sup>2</sup>	34,599	41,468	36,270	38,449	40,530
Aubergines	24,862	24,147	24,950	25,095	25,253
Asparagus	22,482	18,183	19,224	20,118	23,737
Peas <sup>2</sup>	18,103	18,515	19,122	19,414	21,645
Garlic	17,735	18,428	18,352	18,647	21,391
Yams	19,476	18,744	19,986	20,296	17,127
Mushrooms	8,915	8,228	7,347	8,805	11,450
Brussels sprouts	7,804	7,707	7,617	9,318	10,467
Sweet corn <sup>2</sup>	5,022	5,006	5,962	13,966	8,646
Leeks	6,890	6,077	6,244	5,623	5,348
Other vegetables <sup>2,3</sup>	200,350	205,385	214,080	223,375	239,736
<b>Total</b>	<b>1,834,301</b>	<b>1,803,146</b>	<b>1,913,762</b>	<b>1,919,254</b>	<b>1,986,504</b>

Notes:

1. Includes greenhouse vegetables.

2. Includes Frozen

3. Includes provisionally preserved.

Source: Statistics Canada. (CATSNET, May 2019)



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

		2014	2015	2016	2017	2018
United States	Lettuce	355,011	448,998	414,448	441,105	431,637
	Cabbages, kohlrabi and kale	245,842	320,469	323,162	314,194	314,628
	Cauliflowers and headed broccoli	102,025	128,385	139,212	162,324	166,065
	Spinach	119,820	143,459	143,988	144,800	145,298
	Carrots and turnips	112,362	126,466	127,515	119,305	125,289
	Others	868,476	963,022	986,300	982,200	989,410
	<b>Total</b>	<b>1,803,537</b>	<b>2,130,798</b>	<b>2,134,625</b>	<b>2,163,927</b>	<b>2,172,327</b>
Mexico	Tomatoes	232,849	274,367	337,534	308,156	297,814
	Peppers	162,358	169,376	237,016	209,896	226,372
	Cucumbers and gherkins	56,536	56,499	62,518	70,392	72,685
	Asparagus	40,429	47,444	56,766	65,946	70,572
	Cabbages, kohlrabi and kale	32,407	49,103	55,024	55,540	58,916
	Others	216,556	253,721	276,763	304,911	317,503
	<b>Total</b>	<b>741,135</b>	<b>850,510</b>	<b>1,025,621</b>	<b>1,014,841</b>	<b>1,043,861</b>
China	Garlic	20,151	28,758	44,093	40,436	29,472
	Peas	10,512	9,864	9,590	11,029	9,049
	Arrowroot and salep	4,400	5,827	6,579	6,338	6,381
	Carrots and turnips	2,841	3,825	4,579	4,362	6,184
	Spinach	3,722	3,418	3,731	4,260	4,290
	Others	28,393	34,291	39,358	42,072	44,663
	<b>Total</b>	<b>70,018</b>	<b>85,984</b>	<b>107,929</b>	<b>108,497</b>	<b>100,040</b>
Italy	Mushrooms	600	592	580	776	1,156
	Chicory	55	24	127	208	203
	Lettuce	20	4	48	90	94
	Globe artichokes	3	0	8	54	39
	Witloof chicory	0	6	36	36	31
	Others	761	692	800	727	525
	<b>Total</b>	<b>1,438</b>	<b>1,318</b>	<b>1,599</b>	<b>1,890</b>	<b>2,047</b>
France	Leeks	2,197	1,822	2,180	1,537	2,145
	Onions and shallots	510	389	1,031	901	558
	Beans	160	1,373	1,074	767	445
	Garlic	23	22	23	99	209
	Mushrooms	170	225	202	327	219
	Others	3,204	3,535	3,675	3,346	3,623
	<b>Total</b>	<b>6,263</b>	<b>7,366</b>	<b>8,184</b>	<b>6,978</b>	<b>7,199</b>

Source: Statistics Canada. (CATSNET, May 2019)





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

	2014	2015	2016	2017	2018
United States	1,803,537	2,130,798	2,134,625	2,163,927	2,172,327
Mexico	741,135	850,510	1,025,621	1,014,841	1,043,861
China	70,018	85,984	107,929	108,497	100,040
Peru	47,512	51,184	48,336	46,502	42,008
Spain	23,659	43,726	51,107	32,992	40,314
Guatemala	20,460	25,465	23,566	30,798	39,458
Honduras	9,996	16,463	19,295	19,953	21,113
India	15,692	16,478	15,118	16,882	12,515
Dominican Republic	5,613	5,456	14,190	9,912	11,794
Netherlands	7,899	8,607	9,261	9,577	10,336
Others	70,206	88,095	101,724	98,108	118,186
<b>Total</b>	<b>2,815,726</b>	<b>3,322,767</b>	<b>3,550,772</b>	<b>3,551,990</b>	<b>3,611,954</b>

Source: Statistics Canada. (CATSNET, May 2019)



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

		2014	2018
Newfoundland and Labrador	Mexico	0	3
	<b>Total</b>	<b>0</b>	<b>3</b>
Prince Edward Island	<b>Total</b>	<b>0</b>	<b>0</b>
Nova Scotia	Spain	0	1,245
	Poland	162	364
	Israel	34	166
	United Kingdom	1	18
	China	0	18
	Others	1,088	3
	<b>Total</b>	<b>1,284</b>	<b>1,813</b>
New Brunswick	United States	18,185	11,633
	Mexico	757	487
	Peru	661	405
	Honduras	84	69
	Guatemala	44	8
	Others	153	143
	<b>Total</b>	<b>19,883</b>	<b>12,746</b>
Quebec	United States	88,411	90,468
	Spain	8,869	17,236
	China	12,664	14,556
	Peru	7,247	7,140
	Netherlands	2,641	6,048
	Others	33,522	50,411
	<b>Total</b>	<b>153,354</b>	<b>185,858</b>
Ontario	United States	952,081	1,156,914
	Mexico	503,172	709,570
	Guatemala	14,806	30,517
	Peru	28,527	27,877
	China	23,792	26,761
	Others	72,036	109,641
	<b>Total</b>	<b>1,594,414</b>	<b>2,061,280</b>

Source: Statistics Canada. (CATSNET, May 2019)

...cont'd



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

		2014	2018
Manitoba	United States	43,249	47,655
	Mexico	10,572	20,275
	Peru	1,039	305
	China	105	182
	Guatemala	170	79
	Others	197	409
	<b>Total</b>	<b>55,331</b>	<b>68,905</b>
Saskatchewan	United States	22,360	16,555
	Mexico	8,235	10,163
	Peru	3,042	57
	Nicaragua	16	35
	Spain	0	34
	Others	190	104
	<b>Total</b>	<b>33,843</b>	<b>26,949</b>
Alberta	United States	240,449	325,742
	Mexico	88,965	130,285
	Spain	1,688	3,577
	Guatemala	1,918	3,127
	Peru	3,564	2,264
	Others	3,433	7,027
	<b>Total</b>	<b>340,018</b>	<b>472,023</b>
British Columbia	United States	438,802	523,345
	Mexico	126,366	170,538
	China	33,183	58,256
	South Korea	2,940	4,633
	Peru	3,432	3,960
	Others	12,877	21,629
	<b>Total</b>	<b>617,599</b>	<b>782,362</b>
Source: Statistics Canada. (CATSNET, May 2019)			



## 4. Availability for consumption

### 4.1. Fresh vegetable available for consumption<sup>1</sup> in Canada (kilograms per person)

	2014	2015	2016	2017	2018
Onions and shallots, fresh	9.17	9.43	8.77	8.97	8.70
Tomatoes, fresh	8.59	8.13	8.15	7.89	8.40
Lettuce, fresh	8.74	8.59	8.65	8.48	8.20
Carrots, fresh,	6.79	8.72	7.75	7.20	7.21
Peppers, fresh	4.29	4.51	4.09	4.36	4.33
Cabbage, fresh	4.42	4.36	4.31	4.00	4.27
Cucumbers, fresh	3.52	3.37	3.00	3.18	3.56
Pumpkins and squash, fresh	3.76	3.33	3.35	3.44	3.20
Cauliflower, fresh	2.37	2.29	2.87	2.88	3.00
Corn, fresh	3.29	3.32	3.12	3.01	2.83
Celery, fresh	3.10	3.07	3.07	2.80	2.67
Broccoli, fresh	2.72	2.70	2.70	2.31	2.49
Mushrooms, fresh	2.39	2.32	2.15	2.16	1.99
Chinese cabbage <sup>2</sup> , fresh	1.02	1.01	0.96	0.94	1.64
Rutabagas and turnips, fresh	1.28	1.33	1.08	0.98	1.10
Potatoes sweet, fresh	1.36	1.40	1.25	1.13	1.07
Beets, fresh	0.79	1.05	0.91	0.98	0.97
Spinach, fresh	0.98	0.95	0.93	0.97	0.94
Beans green and wax, fresh	0.85	0.90	0.91	0.86	0.93
Kale, fresh	..	..	..	..	0.86
Asparagus, fresh	0.72	0.65	0.68	0.68	0.75
Eggplants, fresh	0.59	0.57	0.57	0.58	0.60
Garlic, fresh	0.50	0.52	0.51	0.51	0.57
Brussels sprouts, fresh	0.25	0.24	0.29	0.29	0.34
Peas, fresh	0.22	0.22	0.19	0.31	0.32
Radishes, fresh	0.45	0.44	0.43	0.44	0.32
Parsley, fresh	0.29	0.31	0.29	0.32	0.30
Leeks, fresh	0.24	0.27	0.28	0.27	0.27

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.

.. Data not available for a specific period.

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

...cont'd



#### 4.1. Fresh vegetable available for consumption<sup>1</sup> in Canada (kilograms per person) – cont'd

	2014	2015	2016	2017	2018
Parsnips, fresh	0.27	0.22	0.20	0.23	0.19
Rapini, fresh	0.21	0.18	0.18	0.21	0.18
Okra, fresh	0.16	0.15	0.16	0.16	0.17
Manioc, fresh	0.10	0.10	0.10	0.11	0.12
Artichokes, fresh	0.04	0.03	0.03	0.03	0.04
Olives, fresh	0.00	0.01	0.00	0.01	0.00

Note:

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

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



## 4.2. Fresh vegetable available for consumption adjusted for losses<sup>1</sup> in Canada (kilograms per person)

	2014	2015	2016	2017	2018
Onions and shallots, fresh	4.24	4.37	4.06	4.15	4.03
Tomatoes, fresh	6.31	5.98	5.98	5.80	6.17
Lettuce, fresh	4.83	4.75	4.78	4.69	4.53
Carrots, fresh,	3.78	4.86	4.32	4.01	4.02
Peppers, fresh	1.98	2.08	1.88	2.01	2.00
Cabbage, fresh	2.31	2.28	2.25	2.09	2.23
Cucumbers, fresh	1.64	1.57	1.40	1.48	1.66
Pumpkins and squash, fresh	1.34	1.19	1.20	1.23	1.14
Cauliflower, fresh	0.72	0.70	0.88	0.88	0.92
Corn, fresh	0.80	0.81	0.76	0.73	0.69
Celery, fresh	1.60	1.58	1.58	1.44	1.38
Broccoli, fresh	1.29	1.27	1.28	1.09	1.17
Mushrooms, fresh	1.60	1.55	1.44	1.44	1.33
Chinese cabbage <sup>2</sup> , fresh	0.53	0.53	0.50	0.49	0.86
Rutabagas and turnips, fresh	0.33	0.34	0.28	0.25	0.28
Potatoes sweet, fresh	0.47	0.48	0.43	0.39	0.37
Beets, fresh	0.44	0.58	0.51	0.55	0.54
Spinach, fresh	0.55	0.54	0.52	0.55	0.53
Beans green and wax, fresh	0.46	0.49	0.50	0.47	0.50
Kale, fresh	..	..	..	..	0.61
Asparagus, fresh	0.28	0.26	0.27	0.27	0.29
Eggplants, fresh	0.28	0.27	0.27	0.27	0.28
Garlic, fresh	0.23	0.24	0.23	0.23	0.26
Brussels sprouts, fresh	0.16	0.16	0.19	0.19	0.22
Peas, fresh	0.12	0.12	0.10	0.17	0.17
Radishes, fresh	0.17	0.17	0.16	0.17	0.12
Parsley, fresh	0.15	0.16	0.15	0.16	0.15
Leeks, fresh	0.11	0.13	0.13	0.12	0.13

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.

.. Data not available a specific reference

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)

	2013	2014	2015	2016	2017
Tomatoes	165,295,864	174,861,783	177,501,042	179,508,401	182,301,395
Onions, dry	84,663,014	89,245,945	91,477,002	94,941,144	97,862,928
Cucumbers and gherkins	73,219,570	76,120,056	78,701,178	80,526,983	83,753,861
Cabbages and other brassicas	68,793,677	71,113,714	70,627,019	71,065,875	71,451,138
Eggplants (aubergines)	48,889,422	49,953,603	50,550,607	51,192,811	52,309,119
Carrots and turnips	38,076,644	38,702,601	40,560,736	41,968,949	42,831,958
Chilies and peppers, green	31,268,030	32,126,171	33,177,009	34,592,680	36,092,631
Garlic	24,248,778	25,027,738	27,005,290	27,251,263	28,164,055
Spinach	23,275,035	24,271,341	25,748,078	26,783,684	27,885,841
Pumpkins, squash and gourds	24,524,733	25,112,771	25,382,626	26,532,482	27,449,481
Lettuce and chicory	24,638,846	24,971,402	26,032,993	26,668,741	26,866,557
Cauliflowers and broccoli	23,382,594	24,514,621	24,393,287	25,055,022	25,984,758
Beans, green	21,365,083	21,728,006	23,331,646	23,597,314	24,221,252
Peas, green	17,428,443	17,444,764	19,433,042	19,861,852	20,699,736
Maize, green	10,997,711	11,928,533	12,464,164	18,841,356	11,727,318
Mushrooms and truffles	9,274,686	9,936,488	10,712,880	9,819,831	10,242,541
Okra	9,672,769	9,825,291	9,266,787	9,410,776	9,641,284
Asparagus	7,935,254	7,844,451	8,576,818	8,761,429	8,950,306
Onions, shallots, green	5,293,967	5,042,431	5,045,582	5,228,616	5,134,362
Cassava leaves	2,573,057	2,265,195	2,168,268	2,475,351	2,353,833
Leeks, other alliaceous vegetables	2,193,836	2,214,867	2,103,569	2,122,450	2,168,418
String beans	1,848,380	1,861,497	1,854,534	1,908,423	1,869,301
Vegetables, leguminous	1,610,228	1,565,373	1,490,442	1,476,939	1,511,348
Artichokes	1,609,045	1,574,887	1,454,379	1,422,248	1,505,328
Vegetables, nes <sup>1</sup>	277,961,078	284,663,545	286,811,741	289,674,294	291,364,958

Note:

1. Nes: Not elsewhere specified.

Source: FAOSTAT (May 2019)



## 6. World trade

### 6.1. Top 10 importers of fresh vegetables<sup>1</sup> worldwide (CAN\$ '000)

	2014	2015	2016	2017	2018
United States	7,692,335	9,215,099	10,847,298	10,507,895	11,080,177
Germany	5,465,228	5,916,699	6,323,700	6,644,541	6,782,225
United Kingdom	3,673,477	4,073,820	4,183,710	4,030,214	4,287,083
Canada	2,607,246	3,075,877	3,279,970	3,278,164	3,310,698
France	2,632,894	2,857,337	3,146,383	3,225,923	3,211,978
Netherlands	1,595,511	1,700,753	2,270,485	2,436,070	2,426,228
Russia	2,590,230	1,884,441	1,528,619	1,846,241	1,858,720
Belgium	1,099,397	1,181,372	1,345,654	1,316,549	1,194,764
Japan	967,045	1,014,319	1,204,194	1,079,482	1,179,827
Italy	823,078	965,139	921,491	1,040,880	1,040,333
Others	12,144,523	14,277,240	15,505,721	15,611,768	15,445,266
<b>Total</b>	<b>41,290,965</b>	<b>46,162,095</b>	<b>50,557,225</b>	<b>51,017,728</b>	<b>51,817,299</b>

Note:

1. Does not include potatoes.

Source: Global Trade Tracker. (June 2019)

### 6.2. Top 10 exporters of fresh vegetables<sup>1</sup> worldwide (CAN\$ '000)

	2014	2015	2016	2017	2018
Netherlands	5,905,641	6,484,540	7,657,782	7,855,803	8,340,423
Mexico	5,339,164	6,364,022	8,017,016	7,744,417	8,308,149
Spain	6,209,731	6,694,953	7,472,356	7,519,188	7,923,744
China	3,724,197	5,215,745	6,630,770	6,268,402	5,421,175
United States	3,098,115	3,499,498	3,693,469	3,639,859	3,710,268
Canada	1,329,155	1,563,885	1,754,322	1,837,254	2,033,185
Italy	1,593,753	1,681,666	1,880,405	1,888,416	1,972,454
France	1,420,329	1,469,508	1,585,353	1,579,629	1,490,971
Morocco	859,842	863,583	1,103,398	1,397,424	1,368,536
Belgium	998,088	1,143,212	1,211,272	1,222,893	1,089,759
Others	10,204,566	10,998,948	11,045,751	11,265,640	11,200,738
<b>Total</b>	<b>40,682,582</b>	<b>45,979,559</b>	<b>52,051,894</b>	<b>52,218,926</b>	<b>52,859,402</b>

Note:

1. Does not include potatoes.

Source: Global Trade Tracker. (June 2019)





### 6.3. Top 10 selected vegetable<sup>1</sup> imports worldwide (CAN\$ '000)

	2014	2015	2016	2017	2018
Tomatoes	9,992,284	10,402,918	11,174,950	11,454,356	11,641,497
Peppers	5,607,953	5,996,827	6,932,178	6,798,075	7,066,789
Cucumbers and gherkins	2,771,245	2,929,497	3,233,558	3,270,905	3,571,160
Onions and shallots	2,966,700	3,458,727	3,519,543	3,349,048	3,420,724
Garlic	1,798,918	2,392,671	3,545,874	3,286,274	2,455,624
Cabbages, kohlrabi and kale	1,798,095	2,179,128	2,323,136	2,347,349	2,277,601
Lettuce	1,534,692	1,812,598	1,852,925	1,979,615	2,063,526
Asparagus	1,534,969	1,752,348	1,978,823	2,006,790	1,978,502
Pumpkins, squash and gourds	1,346,402	1,601,664	1,689,517	1,777,812	1,777,313
Carrots and turnips	1,215,098	1,488,630	1,543,774	1,362,564	1,697,966

Note:

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

Source: Global Trade Tracker. (June 2019)

### 6.4. Top 10 vegetable<sup>1</sup> exports worldwide (CAN\$ '000)

	2014	2015	2016	2017	2018
Tomatoes	10,114,907	10,522,684	11,408,090	11,543,390	11,802,877
Peppers	5,208,676	5,624,563	6,570,381	6,533,045	6,886,706
Onions and shallots	3,250,049	4,139,995	4,356,709	4,077,656	4,414,249
Cucumbers and gherkins	2,596,236	2,694,923	3,189,294	3,141,799	3,472,115
Garlic	2,271,403	3,188,929	4,818,390	4,078,881	2,720,457
Cabbages, kohlrabi and kale	1,444,493	1,727,297	1,820,458	1,873,343	1,986,491
Carrots and turnips	1,241,182	1,580,412	1,704,014	1,624,752	1,962,228
Lettuce	1,375,518	1,596,333	1,633,343	1,794,983	1,944,491
Cauliflowers and headed broccoli	1,342,418	1,510,182	1,650,308	1,772,735	1,846,906
Asparagus	1,259,770	1,460,275	1,708,411	1,842,820	1,729,091

Note:

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

Source: Global Trade Tracker. (June 2019)



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## 7. Key resources

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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