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Statistical Overview of the Canadian Vegetable Industry **2016**

Prepared by:
Market Analysis and Information Section
Horticulture and Cross Sectoral Division
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 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. 12687E).

Overall, Canada's field vegetable production grew by 5% from 2015 to 2016, from 2,287,887 metric tonnes to 2,405,870 metric tonnes. Field tomatoes topped the production of field vegetables with 488,910 metric tonnes (22%), followed by carrots with 348,201 metric tonnes (16%) and by dry onions with 213,627 metric tonnes (10%). Ontario remained the largest producer accounting for 54% of Canada's total production, followed by Quebec with 33%.

Despite this modest growth in quantity produced, FGV increased by 8% over the same period. In 2016, FGV for field vegetables reached \$1.17 billion, \$83 million more than the previous year. Ontario had the largest FGV accounting for 42%, followed by Quebec with 37% and British Columbia with 7%. With the exception of Nova Scotia, all provinces experienced increases in FGV in 2016. Carrots (including baby carrots) were the largest contributor to field vegetables generating \$123 million of FGV, followed by tomatoes with \$112 million, lettuce (including leaf lettuce and head lettuce) with \$88 million, and dry onions with \$87 million.

Mushroom sales reached \$417 million in 2016, up 11% from 2015, and continued the overall upward trend experienced in the last 5 years. Ontario continued to lead the mushroom sector in 2016, representing 54% of the total production in Canada, followed by British Columbia with 37%.

FGV for the greenhouse vegetable sector totaled over \$1.3 billion in 2016, an increase of 5% from 2015. In 2016, Ontario continued to lead the greenhouse vegetable sector representing 64% of total FGV, British Columbia and Quebec followed with 23% and 7%, respectively. Tomatoes were the largest contributor to greenhouse FGV, accounting for 41% (\$544 million) of the total. Peppers and cucumbers hold the second and third largest FGV, accounting for 31% (\$420 million) and 25% (\$334 million), respectively.

Total Canadian vegetable exports, comprising field vegetables, greenhouse vegetables and mushrooms, amounted to \$1.7 billion in 2016, an increase of 7% over 2015. The United States remained Canada's largest purchaser, importing 97% of Canada's total vegetable exports.

The greenhouse sector is a significant contributor to the Canadian value of exported vegetables. In 2016, greenhouse products accounted for 51% of total vegetable exports. Greenhouse tomatoes, cucumbers and peppers represented 20%, 19% and 12% of the total value of vegetables exports respectively.

Field vegetables (including field tomatoes, cucumbers and peppers) and mushrooms were the second and third largest contributors to total vegetable exports accounting for 36% and 13% of the total value in 2016. For field vegetables, cabbages lead in exported value accounting for 5% of the total, fresh beans and onions followed each accounting for 4% and 3% of total exported value respectively.

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 2016, Canada imported approximately \$3.7 billion in vegetables (field vegetables, greenhouse vegetables and mushrooms), with approximately \$2.2 billion (59%) coming from the United States. Mexico was the second largest source of Canadian imports in 2016, with approximately \$1 billion. 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 2016, approximately 285 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	87	73
Prince Edward Island	54	37	48
Nova Scotia	125	127	170
New Brunswick	69	87	92
Quebec	857	750	981
Ontario	1,526	1,361	1,709
Manitoba	97	90	119
Saskatchewan	43	47	82
Alberta	124	128	174
British Columbia	669	785	1,061
Canada	3,632	3,499	4,509

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, Census of Agriculture (CANSIM Table 004-0200)

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

	2012	2013	2014	2015	2016
Atlantic provinces	50	50	45	40	38
Quebec	240	235	195	242	247
Ontario	235	230	230	350	355
Prairie provinces	85	85	80	106	113
British Columbia	135	135	130	125	125
Canada	745	735	680	863	878

Notes:

1. Includes specialized greenhouse fruits.
2. Excludes mixed operations (vegetables, flowers and plants).

Source: Statistics Canada. (CANSIM Table 001-0047)



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

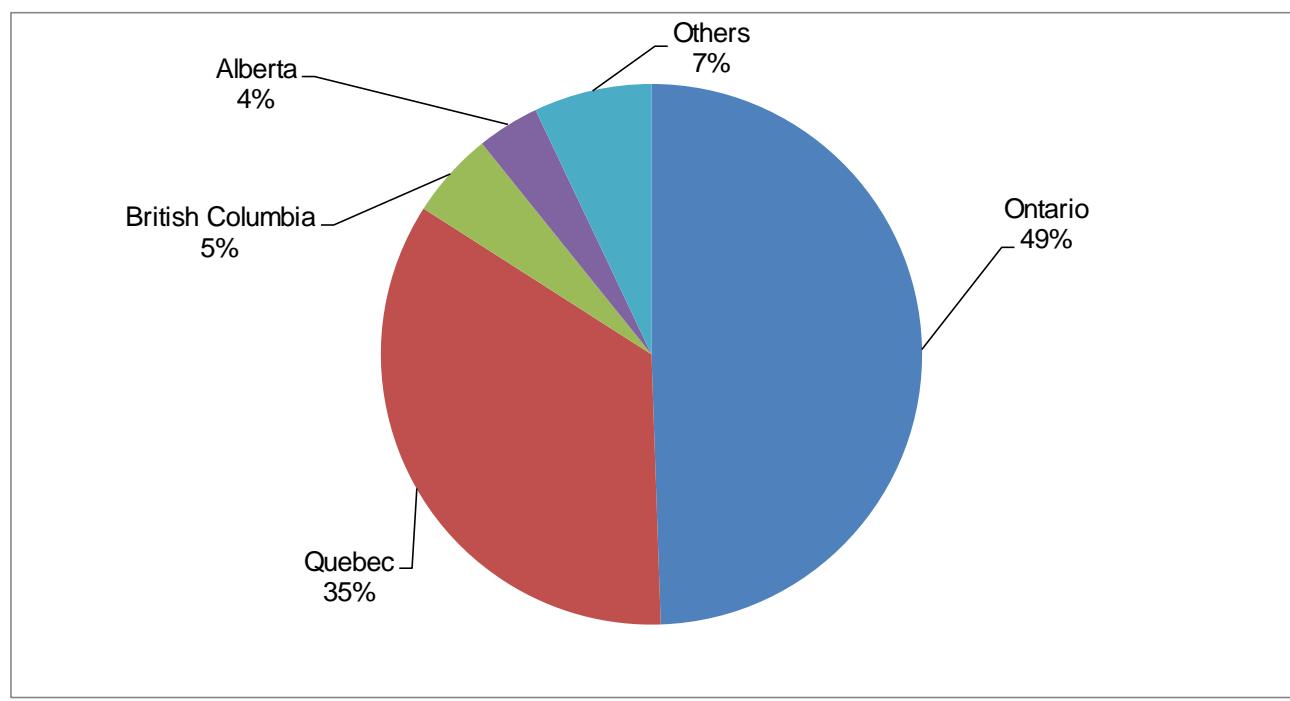
	2012	2013	2014	2015	2016
Newfoundland and Labrador	221	250	238	258	281
Prince Edward Island	906	834	697	642	704
Nova Scotia	2,315	965	1,371	1,611	1,696
New Brunswick	610	579	525	599	619
Quebec	35,455	34,459	35,307	36,256	36,187
Ontario	49,434	47,182	47,614	48,782	51,714
Manitoba	776	1,146	486	1,223	1,338
Saskatchewan	89	205	155	234	254
Alberta	3,432	4,274	4,445	3,345	3,893
British Columbia	5,431	4,996	5,393	5,646	5,405
Canada¹	101,488	98,457	98,760	102,161	104,570

Note:

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

Source: Statistics Canada. (CANSIM Table 001-0013)

1.4. Planted area of field vegetables by province - percent share, 2016



Source: Statistics Canada (CANSIM Table 001-0013)



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

	2012	2013	2014	2015	2016
Corn, sweet	21,919	20,778	20,021	19,246	18,916
Peas, green	13,705	13,327	13,263	12,811	12,377
Carrots ¹	8,610	8,184	7,622	8,242	8,608
Beans, green or wax	9,222	8,591	8,154	8,455	8,230
Tomatoes	6,834	6,524	5,087	6,183	6,821
Cabbage ²	5,798	5,774	5,694	5,443	5,655
Dry onions	5,436	4,718	4,821	5,287	5,496
Broccoli	4,062	4,220	4,004	4,197	4,310
Lettuce ³	3,583	3,840	4,422	4,048	4,110
Pumpkins	2,844	2,754	2,885	3,296	3,617
Squash and zucchinis	2,595	2,564	2,569	3,243	3,592
Cucumbers and gherkins	1,905	1,942	2,330	2,462	2,637
Peppers	1,979	1,902	1,936	2,231	2,388
Asparagus	1,737	1,965	1,922	1,789	1,952
Cauliflower	1,766	1,617	1,527	1,706	1,826
Beets	1,347	1,482	1,505	1,732	1,816
Rutabagas and turnips	1,863	1,736	1,734	1,633	1,719
Radishes	966	923	927	963	1,055
Celery	721	765	898	892	877
Shallots and green onions	689	763	805	754	799
Spinach	779	822	774	732	732
Watermelon	540	802	786	738	674
Other melons	579	679	715	712	671
Brussels sprouts	609	467	488	561	533
Garlic	297	317	F	463	509
Parsnips	383	384	365	379	372
Leeks	353	287	237	289	308
Rhubarb	180	133	155	199	202
Parsley	187	197	132	168	148
Other vegetables	..	..	2,982	3,307	3,620
Total	101,488	98,457	98,760	102,161	104,570

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. (CANSIM Table 001-0013)



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

	2012	2013	2014	2015	2016
Newfoundland and Labrador	2,522	3,018	3,235	3,196	647
Prince Edward Island	-	1,236	1,398	-	-
Nova Scotia	51,554	63,959	67,577	72,898	-
New Brunswick	-	-	-	3,212	121
Quebec	813,802	974,967	909,517	888,174	914,546
Ontario	8,946,414	9,536,949	9,648,343	9,973,043	10,701,586
Manitoba	6,778	6,595	835	5,245	496
Saskatchewan	4,575	15,250	12,978	14,139	2,003
Alberta	520,013	541,095	530,301	534,755	547,626
British Columbia	2,890,257	2,953,999	3,014,961	2,844,344	3,042,197
Canada¹	13,342,785	14,159,519	14,234,970	14,381,015	15,455,598

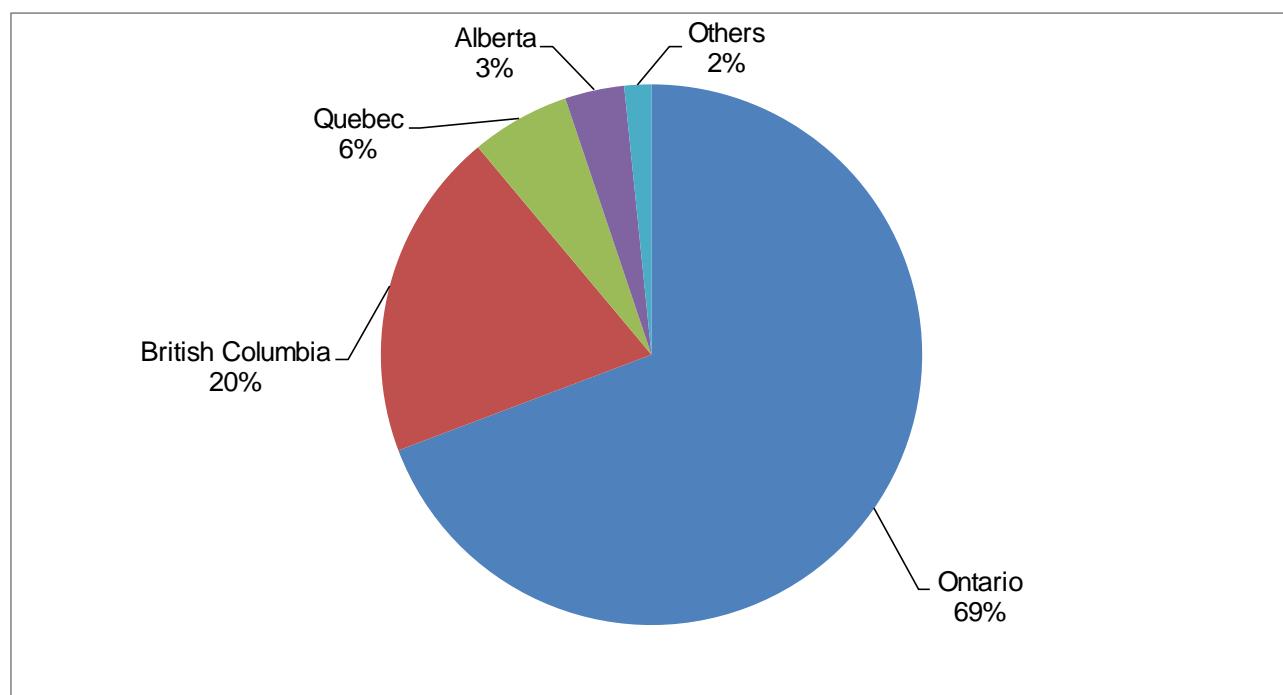
Notes:

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. (CANSIM Table 001-0006)

1.7. Harvested area of greenhouse vegetables by province - percent share, 2016



Sources: Statistics Canada. (CANSIM Table 001-0006)



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

	2012	2013	2014	2015	2016
Tomatoes	5,313,632	5,626,969	5,540,991	5,513,834	5,984,704
Peppers	4,546,257	4,887,414	4,951,039	4,940,681	5,190,564
Cucumbers	3,273,983	3,462,182	3,544,037	3,739,157	3,964,710
Lettuce	208,913	182,954	198,903	187,343	174,510
Eggplants	-	-	-	-	89,691
Chinese vegetables	-	-	-	-	51,104
Herbs	-	-	-	-	270
Green beans	-	-	-	-	45
Total¹	13,342,785	14,159,519	14,234,970	14,381,015	15,455,598

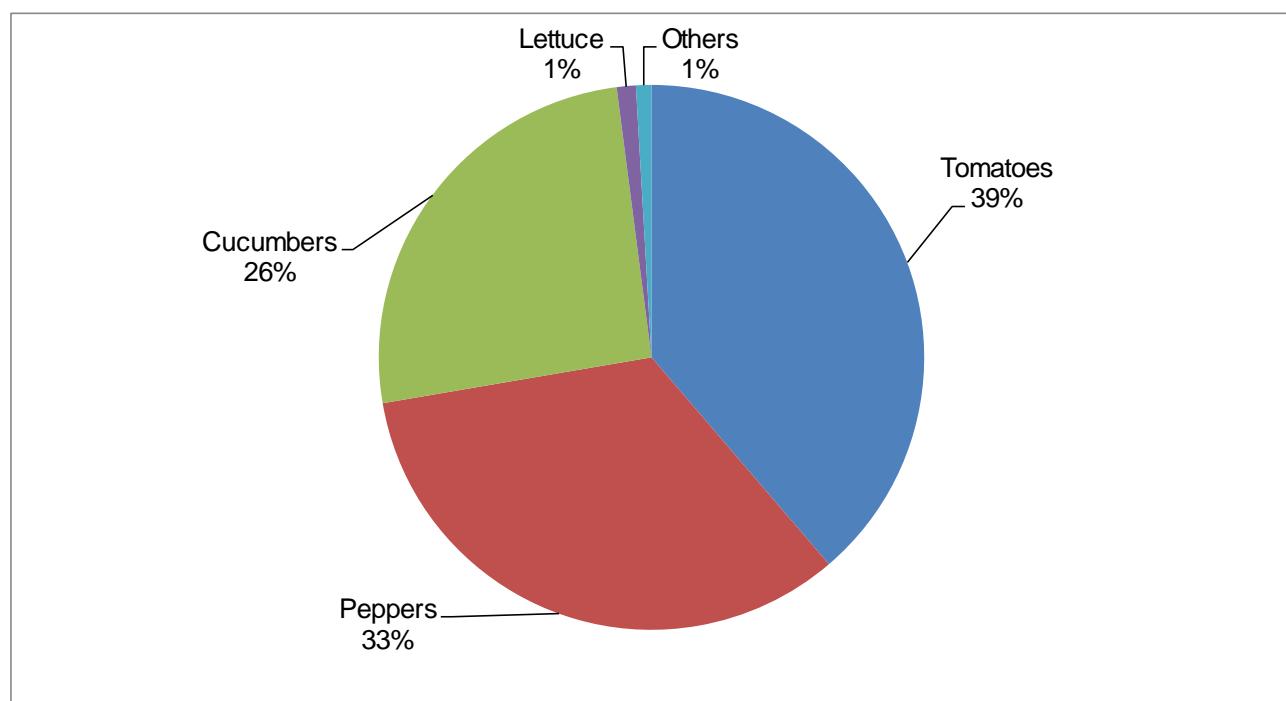
Note:

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. (CANSIM Table 001-0006)

1.9. Harvested area of greenhouse vegetables by commodity – percent share, 2016



Source: Statistics Canada (CANSIM Table 001-0006)



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

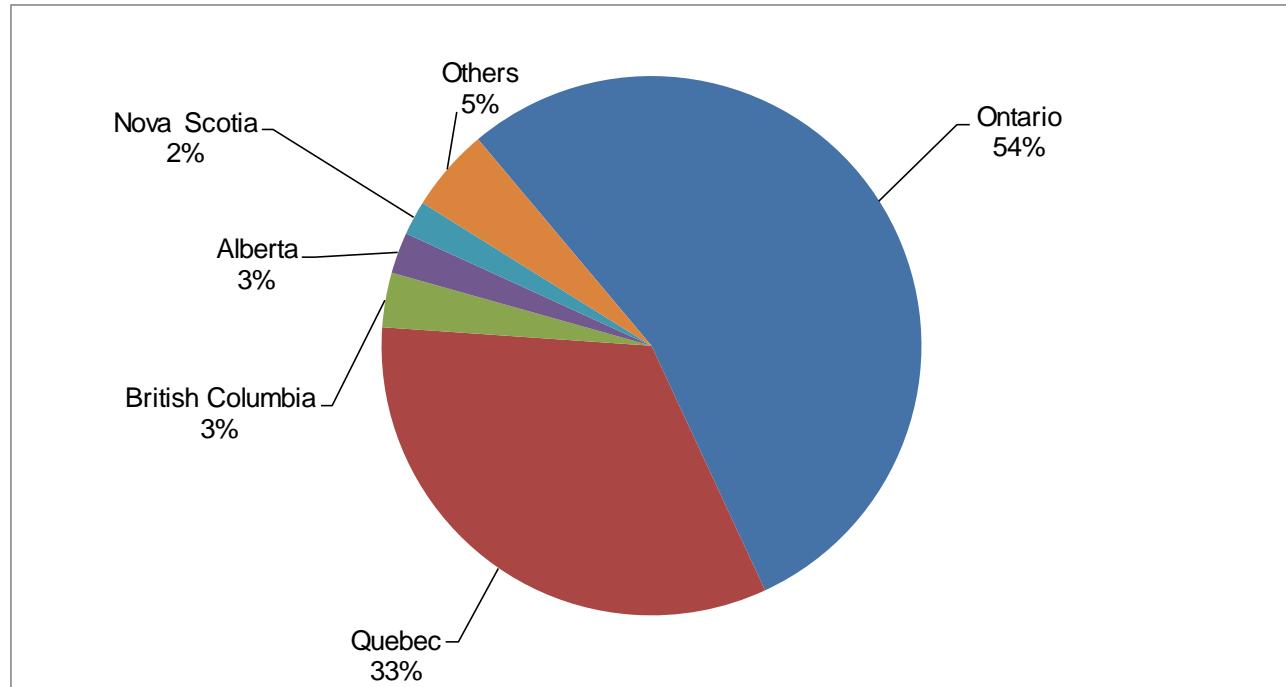
	2012	2013	2014	2015	2016
Newfoundland and Labrador	4,140	4,653	4,107	4,648	6,608
Prince Edward Island	38,550	30,351	22,839	23,066	20,594
Nova Scotia	54,353	18,908	41,705	45,691	49,374
New Brunswick	7,524	7,428	5,710	5,809	7,175
Quebec	567,977	583,947	704,778	753,774	794,205
Ontario	1,265,827	1,056,054	1,149,730	1,249,022	1,303,867
Manitoba	4,134	12,707	4,560	16,315	20,404
Saskatchewan	754	1,295	364	3,528	3,149
Alberta	26,213	36,447	60,514	30,110	59,376
British Columbia	63,830	58,123	64,581	73,230	78,714
Canada²	2,090,536	1,896,805	2,126,831	2,287,887	2,405,870

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. (CANSIM Table 001-0013)

1.11. Marketed production of field vegetables by province – percent share, 2016



Source: Statistics Canada (CANSIM Table 001-0013)



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

	2012	2013	2014	2015	2016
Tomatoes	478,151	387,841	366,704	424,913	488,910
Carrots ²	392,412	338,292	285,070	356,945	348,201
Dry onions	194,047	169,678	220,156	211,240	213,627
Corn, sweet	212,725	202,291	216,887	215,524	196,912
Cabbage ³	162,274	163,378	157,397	161,818	178,994
Lettuce ⁴	64,219	74,821	100,879	92,501	101,016
Pumpkins	62,475	51,634	67,770	74,612	80,172
Peppers	50,544	47,317	50,534	57,270	66,693
Cucumbers and gherkins	49,115	47,441	52,628	52,594	62,367
Beans, green or wax	60,207	52,763	56,505	53,457	55,626
Peas, green	58,970	49,451	56,664	58,176	55,574
Squash and zucchinis	33,510	29,254	34,320	48,062	53,339
Rutabagas and turnips	46,023	46,151	54,337	46,135	47,855
Beets	36,354	37,594	30,597	44,024	44,262
Broccoli	34,786	37,945	39,010	41,648	42,619
Celery	27,936	34,384	38,245	37,115	38,151
Cauliflower	30,574	31,275	28,211	30,818	33,270
Watermelon	22,940	22,946	27,048	27,879	24,657
Radishes	12,262	12,328	16,333	23,052	21,479
Shallots and green onions	10,414	12,615	17,399	19,050	19,611
Other melons	16,436	17,465	19,222	17,726	17,723
Asparagus	6,235	7,479	6,394	6,938	7,910
Parsnips	7,483	6,133	9,066	7,565	7,159
Spinach	5,165	4,112	5,610	6,059	5,759
Leeks	4,432	4,408	3,716	F	5,197
Brussels sprouts	6,361	3,224	5,120	5,969	4,848
Parsley	2,088	2,297	1,794	2,410	2,366
Rhubarb	1,646	1,440	1,286	1,483	1,539
Garlic	752	848	532	1,086	1,040
Total	2,090,536	1,896,805	1,969,434	2,126,069	2,226,876

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. (CANSIM Table 001-0013)



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

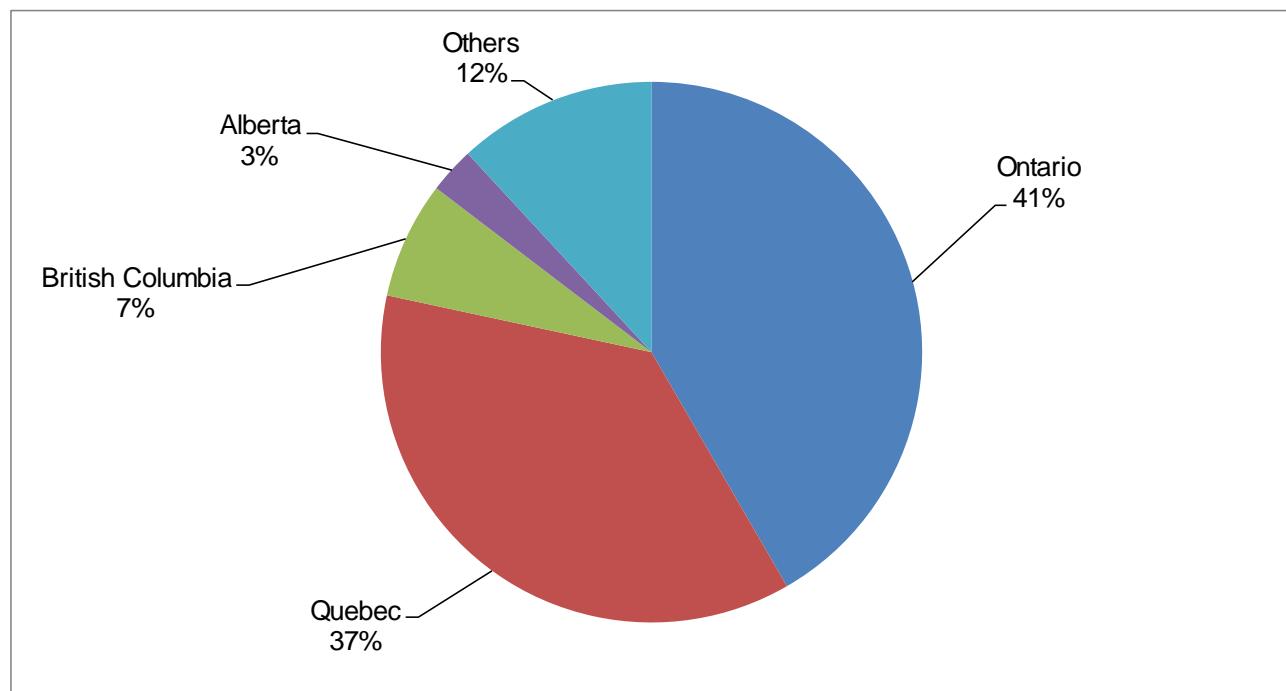
	2012	2013	2014	2015	2016
Newfoundland and Labrador	3,711	3,849	3,004	4,053	5,657
Prince Edward Island	8,127	7,172	5,509	6,236	7,655
Nova Scotia	17,469	22,110	8,141	19,497	12,663
New Brunswick	5,667	5,531	4,852	5,663	7,159
Quebec	274,522	302,414	350,311	398,761	428,497
Ontario	359,403	360,972	411,100	456,420	486,143
Manitoba	6,355	8,210	2,260	12,400	15,679
Saskatchewan	940	1,693	1,124	2,499	2,559
Alberta	12,522	18,978	35,302	20,493	32,138
British Columbia	57,721	54,332	61,454	76,713	81,694
Canada²	800,297	839,256	953,682	1,084,222	1,167,034

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. (CANSIM Table 001-0013)

1.14. Farm gate value of field vegetables by province – percent share, 2016



Source: Statistics Canada (CANSIM Table 001-0013)



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

	2012	2013	2014	2015	2016
Carrots ¹	87,567	94,888	94,225	118,298	122,918
Tomatoes	79,910	65,089	71,338	88,251	111,650
Lettuce ²	51,287	61,600	81,691	81,658	88,117
Dry onions	65,452	62,137	78,515	81,914	87,153
Cabbage ³	62,524	78,646	78,382	79,541	83,163
Corn, sweet	71,524	73,196	75,608	77,512	75,590
Broccoli	40,241	47,958	52,778	62,133	59,891
Peppers	39,170	37,945	40,091	48,593	58,880
Cucumbers and gherkins	23,851	25,742	29,171	35,674	38,483
Beans, green or wax	30,410	31,093	32,111	35,979	38,438
Squash and zucchinis	26,685	24,267	22,731	32,433	38,023
Asparagus	22,887	26,850	24,225	27,805	32,507
Cauliflower	23,846	24,667	25,527	29,525	31,349
Shallots and green onions	15,667	21,325	27,011	29,214	29,859
Rutabagas and turnips	21,495	20,894	21,357	23,929	26,977
Pumpkins	17,586	18,023	22,134	24,216	25,868
Peas, green	24,145	24,013	22,643	24,724	24,009
Celery	14,587	15,644	19,230	21,367	22,047
Beets	12,189	15,578	15,529	19,995	19,951
Radishes	10,832	11,259	11,329	14,898	15,259
Spinach	8,703	7,405	10,375	11,791	12,094
Garlic	6,593	7,267	5,003	11,467	11,143
Watermelon	6,901	7,962	8,621	9,540	10,342
Other melons	8,494	10,026	10,205	10,579	10,332
Parsnips	7,064	7,153	9,456	8,632	9,116
Leeks	7,551	7,449	6,179	8,231	8,955
Brussels sprouts	7,426	5,072	6,555	8,569	8,825
Parsley	3,430	4,055	3,459	4,700	5,338
Rhubarb	2,280	2,053	1,829	2,179	2,494
Other vegetables	..	..	46,374	50,875	58,263
Total	800,297	839,256	953,682	1,084,222	1,167,034

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. (CANSIM Table 001-0013)



1.16. Greenhouse vegetable¹ production by province (metric tonnes)

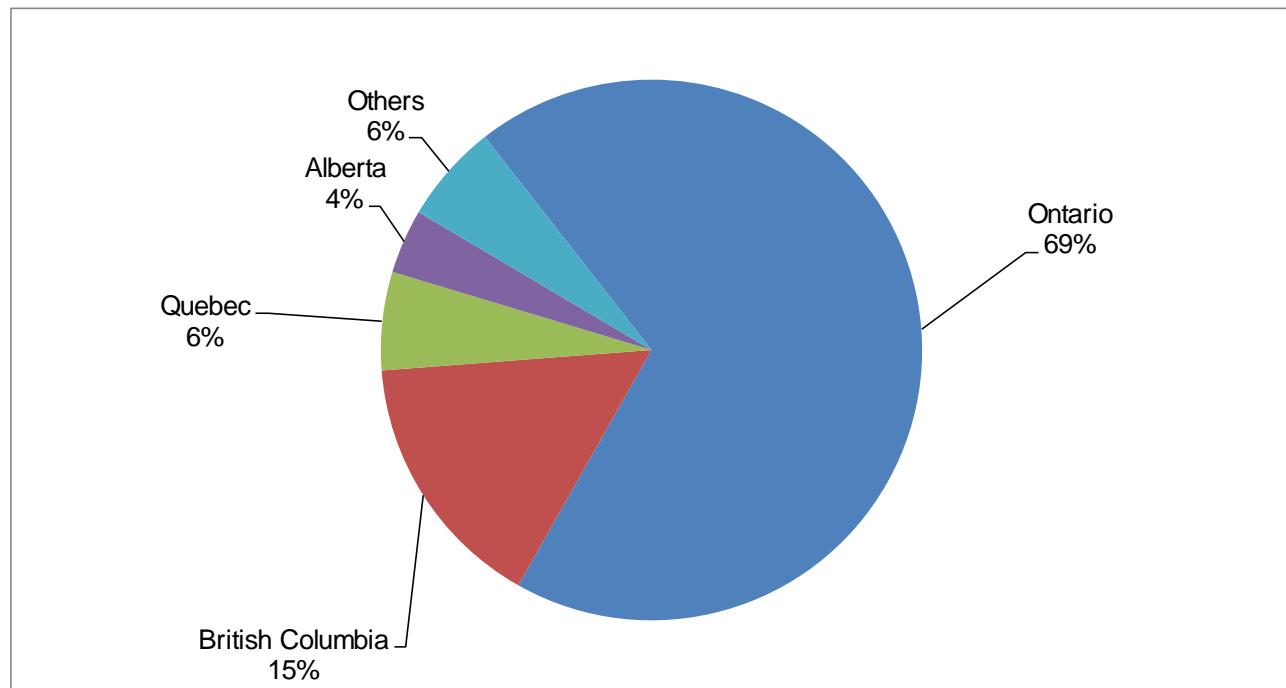
	2012	2013	2014	2015	2016
Newfoundland and Labrador	9	16	25	10	7
Prince Edward Island	-	-	66	-	-
Nova Scotia	1,943	2,763	2,668	3,089	1,250
New Brunswick	-	27	24	29	1
Quebec	22,777	21,764	20,495	2,432	35,590
Ontario	385,363	408,398	420,341	415,558	416,352
Manitoba	162	178	24	152	3
Saskatchewan	86	210	162	186	26
Alberta	23,115	20,769	22,357	22,091	23,307
British Columbia	115,073	130,325	124,256	114,652	94,471
Canada²	551,714	585,617	590,986	578,136	605,648

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. (CANSIM Table 001-0006)

1.17. Greenhouse vegetable production by province – percent share, 2016



Source: Statistics Canada (CANSIM Table 001-0006)



1.18. Greenhouse vegetable production by commodity (metric tonnes)

	2012	2013	2014	2015	2016
Tomatoes	272,992	282,809	280,332	261,677	276,091
Cucumbers	166,731	174,534	180,360	181,814	177,872
Peppers	111,991	128,274	130,294	134,644	135,957
Lettuce	N/A	N/A	N/A	N/A	12,171
Eggplants	-	-	-	-	2,872
Chinese vegetables	-	-	-	-	680
Herbs	-	-	-	-	4
Total¹	551,714	585,617	590,986	578,136	605,648

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.

N/A: Data not available in metric units.

Source: Statistics Canada. (CANSIM Table 001-0006)

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

	2012	2013	2014	2015	2016
Newfoundland and Labrador	22	83	83	71	38
Prince Edward Island	-	15	211	-	-
Nova Scotia	4,699	7,302	7,503	8,091	8,012
New Brunswick	-	111	90	122	24
Quebec	80,913	86,011	86,678	31,653	93,190
Ontario	678,383	767,501	803,226	820,299	859,787
Manitoba	651	703	87	609	82
Saskatchewan	398	1,194	873	1,113	715
Alberta	50,545	52,275	52,114	52,897	54,689
British Columbia	231,049	299,792	290,743	299,829	311,552
Canada¹	1,055,981	1,222,150	1,249,671	1,281,327	1,339,153

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. (CANSIM Table 001-0006)



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

	2012	2013	2014	2015	2016
Tomatoes	437,649	516,656	507,098	514,251	544,494
Peppers	313,357	377,329	398,699	426,170	419,737
Cucumbers	281,791	299,170	312,127	311,264	334,185
Lettuce	23,184	28,994	31,748	29,642	28,152
Eggplants	-	-	-	-	7,757
Herbs	-	-	-	-	3,350
Chinese vegetables	-	-	-	-	1,126
Green beans	-	-	-	-	353
Total	1,055,981	1,222,150	1,249,671	1,281,327	1,339,153

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

Source: Statistics Canada. (CANSIM Table 001-0006)

1.21. Area, production and sales¹ of Canadian mushrooms

		2012	2013	2014	2015	2016
Harvested area (thousands of square feet)	Maritime provinces and Quebec	x	x	x	x	x
	Ontario	32,294	33,865	32,789	27,613	31,556
	Prairie provinces	..	..	x	x	x
	British Columbia	x	x	18,501	15,792	14,342
	Canada²	56,649	57,167	55,207	47,548	50,763
Production (metric tonnes)	Maritime provinces and Quebec	x	x	x	x	x
	Ontario	69,218	67,727	64,446	58,360	63,204
	Prairie provinces	..	..	x	x	x
	British Columbia	x	x	46,603	39,781	46,894
	Canada²	124,826	120,155	122,057	107,630	121,504
Sales (CAN\$ '000)	Maritime provinces and Quebec	x	x	x	x	x
	Ontario	268,625	278,069	267,284	257,466	297,203
	Prairie provinces	..	..	x	x	x
	British Columbia	x	x	138,692	120,678	171,358
	Canada²	443,161	450,096	454,605	422,211	519,732

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.

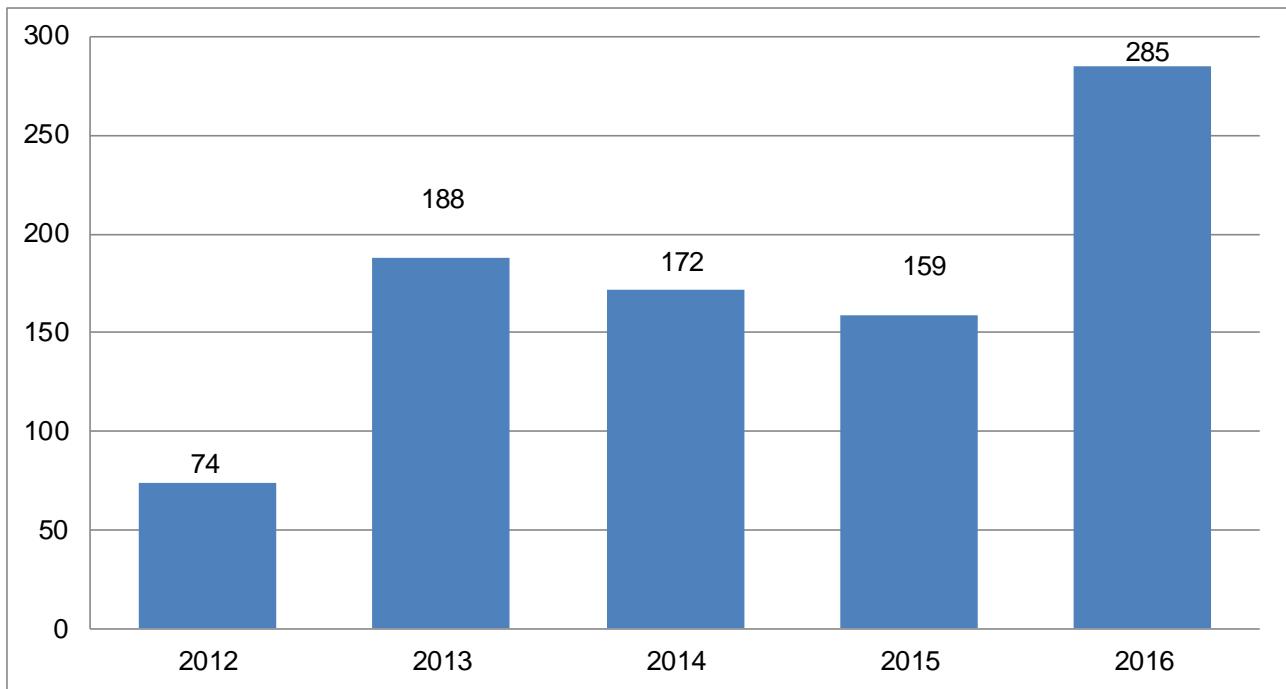
x : Suppressed to meet the confidentiality requirements of the Statistics Act.

Source: Statistics Canada. (CANSIM Table 001-0012)



2. Innovation

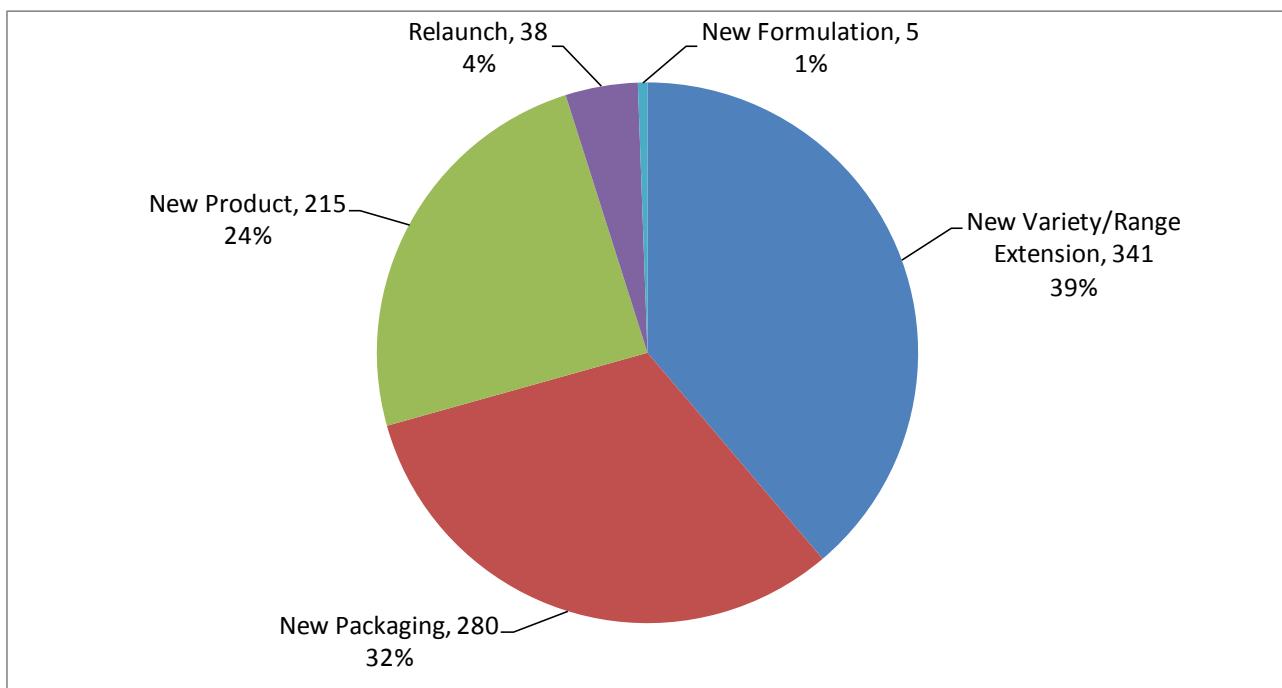
2.1. Number of new products launched in Canada under sub-category “Vegetable”, 2012 – 2016



Source: Mintel



2.2. Number of new products launched in Canada under the sub-category “Vegetable” by launch type, 2012 – 2016



Source: Mintel

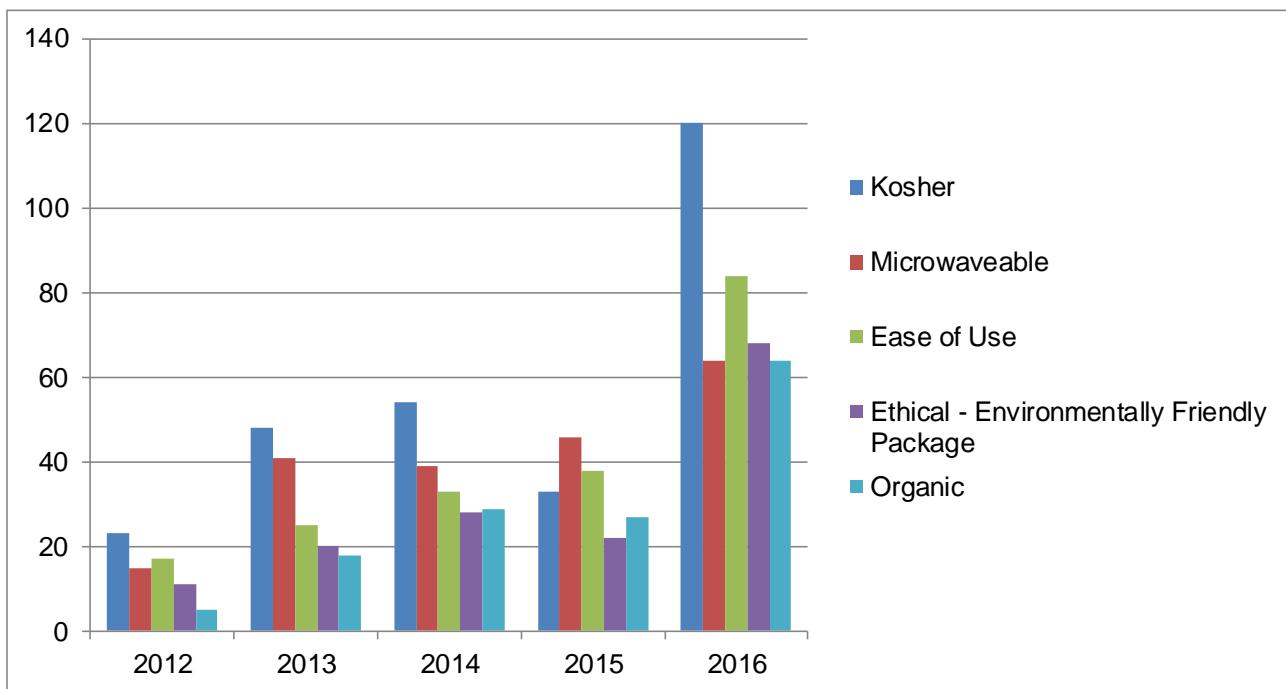
2.3. Top 10 claims of new products launched in Canada under the sub-category “Vegetable”, 2012 – 2016

	2012	2013	2014	2015	2016	Total
Kosher	23	48	54	33	120	278
Microwaveable	15	41	39	46	64	205
Ease of Use	17	25	33	38	84	197
Ethical - Environmentally Friendly Package	11	20	28	22	68	149
Organic	5	18	29	27	64	143
Economy	6	49	18	11	49	133
No Additives/Preservatives	19	22	25	28	24	118
Convenient Packaging	7	8	23	29	36	103
High/Added Fiber	6	42	3	11	55	117
Premium	9	9	25	21	32	96

Source: Mintel



2.4. Top 5 claims of new products launched in Canada under the sub-category “Vegetable”, 2012 – 2016



Source: Mintel



3. Trade

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

	2012	2013	2014	2015	2016
Exports	1,047,736	1,297,675	1,329,122	1,586,710	1,693,256
Imports	2,278,419	2,648,896	2,925,463	3,453,558	3,698,264
Net trade (exports less imports)	-1,230,683	-1,351,221	-1,596,341	-1,866,848	-2,005,008
Note:					
1. Includes frozen and dried.					
Source: Statistics Canada (CATSNET, April 2017)					



3.2. Exports

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

	2012	2013	2014	2015	2016
Tomatoes ¹	274,321	337,072	316,733	326,231	372,525
Peppers ¹	225,659	272,850	296,403	361,681	360,168
Cucumbers and gherkins ^{1,2}	126,590	177,829	180,005	204,898	240,382
Mushrooms ^{2,3}	115,770	130,445	141,299	189,173	220,962
Cabbages	39,500	57,186	59,428	86,330	84,004
Beans ⁴	41,648	42,542	50,887	60,207	60,504
Onions and shallots ³	22,432	32,459	40,886	54,257	54,530
Carrots	38,896	39,165	47,398	61,715	53,170
Corn ⁴	20,635	19,789	21,433	34,988	29,627
Lettuce	14,486	18,245	22,168	27,578	28,177
Peas ⁴	17,233	49,002	31,047	24,204	27,873
Cauliflower and broccoli	8,869	10,846	12,149	15,990	17,398
Sweet potatoes	1,825	229	574	9,137	17,057
Spinach ⁴	3,625	5,959	9,172	10,917	9,238
Asparagus	6,711	6,712	5,762	6,293	8,115
Eggplant	3,989	4,200	4,617	5,649	6,216
Celery	2,668	2,826	3,099	4,403	2,509
Leeks	1,282	1,933	2,395	2,142	2,208
Brussels sprouts	262	385	500	2,295	1,535
Leguminous vegetables ⁴	4,194	17,027	3,929	934	927
Turnips	175	126	209	330	545
Garlic	377	343	285	375	483
Other vegetables ^{2,3,4}	76,589	70,507	78,745	96,983	95,104
Total	1,047,736	1,297,675	1,329,122	1,586,710	1,693,256

Notes:

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

Source: Statistics Canada. (CATSNET, April 2017)



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

	2012	2013	2014	2015	2016
Tomatoes ¹	139,507	140,682	146,803	135,553	155,725
Peppers ¹	97,716	103,782	111,432	113,063	133,297
Cucumbers and gherkins ^{1,2}	89,359	108,212	113,350	120,018	138,622
Mushrooms ^{2,3}	31,465	31,945	31,298	32,898	38,027
Cabbages	62,399	78,351	76,524	86,122	90,132
Beans ⁴	31,581	34,262	37,527	36,468	34,281
Onions and shallots ³	38,936	50,667	58,402	81,642	62,239
Carrots	91,526	78,163	88,777	89,385	78,925
Corn ⁴	16,698	16,089	17,452	26,949	19,770
Lettuce	14,457	16,445	18,413	19,166	18,220
Peas ⁴	16,125	52,252	29,652	17,244	19,483
Cauliflower and broccoli	11,776	11,814	12,741	14,070	16,200
Sweet potatoes	2,700	552	1,347	11,664	22,860
Spinach ⁴	1,459	2,149	3,309	3,412	2,546
Asparagus	1,511	1,678	1,439	1,329	1,495
Eggplant	1,274	1,330	1,560	1,582	1,874
Celery	4,930	5,842	5,457	5,155	4,121
Leeks	987	1,641	1,737	635	738
Brussels sprouts	118	157	203	857	663
Leguminous vegetables ⁴	3,017	22,942	5,057	775	754
Turnips	726	408	498	386	1,265
Garlic	217	211	24	69	169
Other vegetables ^{2,3,4}	78,121	69,887	71,417	82,886	75,759
Total	736,605	829,461	834,420	881,327	917,167

Notes:

1. Includes greenhouse vegetables.

2. Includes provisionally preserved.

3. Includes dried.

4. Includes frozen.

Source: Statistics Canada. (CATSNET, April 2017)



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

		2012	2013	2014	2015	2016
United States	Tomatoes	273,748	335,650	315,874	324,282	368,452
	Peppers	225,610	272,821	296,339	361,415	359,784
	Cucumbers	126,589	177,762	179,765	204,840	240,352
	Mushrooms	111,418	117,895	133,043	163,407	195,491
	Cabbages	39,372	56,917	59,256	86,040	83,868
	Others	252,078	287,106	316,431	404,915	391,123
	Total	1,028,814	1,248,150	1,300,707	1,544,899	1,639,069
Japan	Mushrooms	3,213	8,941	3,664	16,063	18,382
	Tomatoes	561	1,265	642	1,539	3,478
	Peas	1,450	1,851	1,640	253	523
	Peppers	0	0	0	0	15
	Cucumbers and gherkins	0	0	2	17	0
	Others	25	51	17	0	0
	Total	5,249	12,107	5,966	17,872	22,397
Netherlands	Sweet potatoes	157	0	0	5,561	12,702
	Mushrooms	421	885	239	1,097	1,310
	Onions	35	0	80	34	0
	Peas	0	70	0	0	0
	Total	613	954	319	6,692	14,012
China	Peas	1,241	5,241	3,813	1,494	3,871
	Mushrooms	66	53	54	295	750
	Beans	0	116	68	0	18
	Cucumbers and gherkins	0	0	1	27	1
	Spinach	0	0	81	24	0
	Others	5	113	5	4	52
France	Total	1,312	5,522	4,021	1,845	4,693
	Mushrooms	426	1,910	1,962	3,592	1,448
	Sweet potatoes	0	0	0	314	391
	Beans	605	9	49	72	249
	Peppers	8	23	25	20	22
	Lettuce	6	14	16	11	12
	Others	102	35	80	30	42
	Total	1,148	1,992	2,132	4,040	2,164
Note:						
1. Includes frozen and dried.						
Source: Statistics Canada. (CATSNET, April 2017)						



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

	2012	2013	2014	2015	2016
United States	1,028,814	1,248,150	1,300,707	1,544,899	1,638,944
Japan	5,249	12,107	5,966	17,872	22,397
Netherlands	613	954	319	6,692	14,012
China	1,312	5,522	4,021	1,845	4,693
France	1,148	1,992	2,132	4,040	2,164
Switzerland	200	484	960	2,313	1,842
Thailand	537	1,024	1,399	749	1,253
Hong Kong	23	84	580	1,690	1,166
Germany	91	4	1,105	491	880
Taiwan	100	158	344	453	796
Others	9,651	27,194	11,588	5,666	4,983
Total	1,047,736	1,297,675	1,329,122	1,586,710	1,693,131

Note:

1. Includes frozen and dried.

Source: Statistics Canada. (CATSNET, April 2017)



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

		2012	2016
Newfoundland and Labrador	United States	0	13,814
	Saint Pierre and Miquelon	0	29
	France	2,335	0
	Total	2,335	13,843
Prince Edward Island	United States	712,952	1,329,661
	Trinidad and Tobago	41,407	70,514
	Jamaica	0	36,157
	France	0	5
	Others	58,024	0
	Total	812,383	1,436,337
Nova Scotia	United States	14,667,642	13,870,950
	France	32,847	28,433
	Saint Pierre and Miquelon	555	5,540
	Japan	7	0
	Total	14,701,051	13,904,923
New Brunswick	United States	1,626,335	899,375
	Saint Pierre and Miquelon	4,396	25,738
	France	84	1,095
	Australia	1,464,447	0
	Others	893	0
	Total	3,096,155	926,208
Quebec	United States	137,163,050	240,055,936
	Netherlands	0	12,702,222
	Israel	0	716,982
	France	655,288	409,221
	Hong Kong	0	363,544
	Others	813,429	302,285
	Total	138,631,767	254,550,190

Source: Statistics Canada. (CATSNET, April 2017)

...cont'd



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

		2012	2016
Ontario	United States	662,426,044	1,065,490,369
	Japan	223,737	1,709,859
	France	34,612	296,613
	Russian Federation	185,767	258,571
	Bermuda	233,014	187,716
	Others	3,704,046	520,102
	Total	666,807,220	1,068,463,230
Manitoba	United States	2,160,929	2,402,996
	China	38,094	410,876
	Italy	0	66,335
	Spain	0	28,782
	South Africa	0	17,201
	Others	353,549	24,255
	Total	2,552,572	2,950,445
Saskatchewan	China	1,042,219	2,705,593
	Thailand	536,756	1,253,061
	United States	183,312	514,835
	Japan	1,311,700	485,319
	Brazil	644,881	141,509
	Others	2,271,201	608,564
	Total	5,990,069	5,708,881
Alberta	United States	7,752,020	3,192,608
	Dominican Republic	0	11,887
	Viet Nam	0	10,672
	China	160,390	0
	Others	276	171
	Total	7,912,686	3,215,338
British Columbia	United States	202,112,628	311,169,955
	Japan	3,680,281	20,202,199
	Switzerland	199,592	1,820,269
	China	66,486	1,505,128
	France	422,554	1,341,700
	Others	739,337	5,915,040
	Total	207,220,878	341,954,291

Source: Statistics Canada. (CATSNET, April 2017)



3.3 Imports

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

	2012	2013	2014	2015	2016
Tomatoes ²	270,694	310,746	356,847	399,312	464,135
Lettuce ²	308,107	344,513	359,731	457,883	419,738
Peppers ²	205,896	231,615	267,827	300,601	374,097
Cabbages ³	155,410	223,389	277,551	361,959	372,435
Cauliflower and broccoli	156,380	196,922	210,137	273,570	278,280
Onions and shallots	140,420	172,393	177,187	193,051	222,304
Spinach	91,389	108,757	131,345	156,597	157,799
Carrots	114,684	123,028	127,238	146,251	157,511
Asparagus	88,131	89,754	95,861	102,069	106,960
Beans	60,271	68,473	78,872	92,471	94,160
Celery	55,583	75,242	66,175	88,804	89,837
Cucumbers and gherkins ^{2,4}	52,994	61,373	75,610	76,553	84,410
Peas	63,425	69,067	71,305	76,749	83,118
Garlic	36,071	38,741	42,459	57,067	79,592
Sweet corn	56,621	55,649	57,036	63,977	74,332
Pumpkins	42,626	49,311	61,200	67,035	67,676
Sweet potatoes	38,466	42,079	47,056	59,170	62,703
Mushrooms ⁴	41,819	48,672	46,915	55,664	53,116
Eggplants	24,165	29,213	29,661	32,669	36,745
Yams	15,868	19,491	29,102	31,956	34,733
Brussels sprouts	11,135	17,083	20,693	22,577	24,702
Okra	10,106	12,145	13,912	18,418	18,596
Other vegetables ⁴	238,160	261,239	281,742	319,156	341,284
Total	2,278,419	2,648,896	2,925,463	3,453,558	3,698,264

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, April 2017)



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

	2012	2013	2014	2015	2016
Tomatoes ²	193,587	199,837	213,738	201,511	217,685
Lettuce ²	200,952	195,819	188,932	192,614	190,830
Peppers ²	119,374	126,949	122,079	122,807	134,033
Cabbages ³	178,945	200,397	206,761	200,405	204,204
Cauliflower and broccoli	168,145	160,151	159,224	156,897	183,547
Onions and shallots	181,154	191,221	194,408	176,941	201,777
Spinach	37,997	41,750	45,061	43,680	44,201
Carrots	117,353	122,706	113,506	113,348	125,851
Asparagus	23,586	21,115	23,516	18,789	20,005
Beans	32,381	31,504	34,599	41,470	36,121
Celery	94,480	94,208	92,017	89,515	87,940
Cucumbers and gherkins ^{2,4}	48,529	49,970	54,776	50,616	54,759
Peas	21,103	21,193	18,103	18,515	19,132
Garlic	18,569	18,312	18,787	19,984	19,969
Sweet corn	66,670	61,382	53,432	55,502	56,408
Pumpkins	42,221	46,801	51,123	49,686	54,756
Sweet potatoes	53,759	50,634	45,839	55,628	62,703
Mushrooms ⁴	12,166	13,993	12,213	12,414	11,454
Eggplants	22,154	24,357	24,862	24,147	24,931
Yams	13,664	15,761	19,476	18,787	20,000
Brussels sprouts	6,451	8,000	9,174	8,499	8,159
Okra	5,211	5,333	6,362	6,257	6,585
Other vegetables ⁴	147,065	152,043	151,966	152,903	155,163
Total	1,805,517	1,853,437	1,859,955	1,830,917	1,940,214

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, April 2017)



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

		2012	2013	2014	2015	2016
United States	Lettuce	305,852	341,371	355,011	449,001	414,448
	Cabbages	135,226	198,280	250,543	328,832	334,898
	Broccoli and cauliflowers	137,080	171,410	179,145	222,855	217,223
	Onions and shallots	98,298	117,954	119,502	127,917	153,825
	Others	765,205	862,037	941,781	1,052,296	1,065,259
	Total	1,441,661	1,691,052	1,845,983	2,180,901	2,185,653
Mexico	Tomatoes	171,448	198,949	232,849	274,367	337,620
	Peppers	124,296	140,744	162,358	169,376	237,056
	Cucumbers and gherkins	40,452	45,555	56,536	56,499	62,529
	Asparagus	38,859	38,463	40,429	47,444	56,766
	Others	182,603	227,102	249,570	303,301	332,782
	Total	557,657	650,814	741,742	850,987	1,026,753
China	Garlic	24,574	22,739	21,402	31,387	47,736
	Mushrooms	7,667	8,502	9,650	12,664	10,610
	Peas	10,666	11,708	10,512	9,864	9,590
	Carrots	3,275	3,356	2,839	3,882	4,696
	Others	54,296	59,428	65,889	78,932	99,653
	Total	100,477	105,733	110,293	136,729	172,285
Spain	Peppers	7,455	7,847	11,906	29,349	31,017
	Garlic	58	1,692	3,452	4,872	7,269
	Cucumbers and gherkins	1,780	5,097	4,431	4,642	5,780
	Olives	3,294	3,455	3,218	2,574	3,416
	Others	1,649	2,379	4,929	5,835	7,917
	Total	14,236	20,470	27,937	47,273	55,399
Peru	Asparagus	34,567	37,341	39,611	40,751	37,667
	Onions and shallots	3,468	6,006	5,305	6,728	7,346
	Peas	1,694	1,897	1,925	2,144	1,249
	Sweet potatoes	138	253	201	370	681
	Others	504	787	954	2,763	1,976
	Total	40,371	46,284	47,996	52,756	48,918

Source: Statistics Canada. CATSNET, April 2017)



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

	2012	2013	2014	2015	2016
United States	1,441,661	1,691,052	1,845,983	2,180,901	2,185,653
Mexico	557,657	650,814	741,742	850,987	1,026,753
China	100,477	105,733	110,293	136,729	172,285
Spain	14,236	20,470	27,937	47,273	55,399
Peru	40,371	46,284	47,996	52,756	48,918
Guatemala	16,986	18,477	20,461	25,465	23,568
Honduras	6,797	10,413	9,996	16,463	19,251
Netherlands	4,950	4,902	6,502	6,163	15,140
Dominican Republic	9,527	12,127	15,715	16,486	15,112
India	8,384	8,554	8,921	11,107	13,870
Others	77,373	80,070	89,918	109,230	122,314
Total	2,278,419	2,648,896	2,925,463	3,453,558	3,698,264

Source: Statistics Canada. (CATSNET, April 2017)



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

		2012	2016
Newfoundland and Labrador	United States	0	0
	Total	0	0
Prince Edward Island	Barbados	0	0
	Total	0	0
Nova Scotia	Poland	254	426
	Jamaica	1,117	153
	Israel	62	150
	Costa Rica	31	149
	France	0	34
	Total	1,650	959
New Brunswick	United States	17,893	13,179
	Peru	70	1,186
	Mexico	1,452	254
	Dominican Republic	17	77
	Honduras	95	58
	Total	19,824	14,960
Quebec	United States	82,909	95,635
	China	16,448	25,393
	Spain	9,297	22,284
	Peru	7,030	9,035
	Netherlands	1,785	8,192
	Total	155,335	219,486
Ontario	United States	770,853	1,172,616
	Mexico	366,715	714,434
	China	44,831	72,661
	Peru	24,796	28,990
	Spain	3,354	21,685
	Total	1,278,591	2,124,454

Source: Statistics Canada. (CATSNET, April 2017)

...cont'd



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

		2012	2016
Manitoba	United States	37,898	47,984
	Mexico	7,712	13,067
	Peru	2,464	1,511
	China	83	357
	Guatemala	112	83
	Total	48,459	63,710
Saskatchewan	United States	23,106	22,918
	Mexico	6,701	11,999
	Peru	780	1,580
	Panama	0	212
	Nicaragua	41	69
	Total	30,784	36,916
Alberta	United States	174,875	322,186
	Mexico	69,709	114,724
	Spain	500	5,913
	Peru	3,145	2,515
	China	1,163	1,697
	Total	253,314	454,159
British Columbia	United States	334,115	511,135
	Mexico	100,835	169,946
	China	37,904	72,174
	Spain	1,082	5,497
	Peru	2,085	4,101
	Total	490,462	783,619

Source: Statistics Canada. (CATSNET, April 2017)



4. Availability for consumption

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

	2011	2012	2013	2014	2015
Lettuce, fresh	9.79	9.40	9.38	9.55	9.60
Onions and shallots, fresh	8.78	8.76	8.17	8.51	9.07
Tomatoes, fresh	8.16	8.13	8.58	8.36	8.08
Carrots, fresh,	8.77	8.69	7.17	6.24	7.52
Peppers, fresh	3.80	4.25	4.37	4.11	4.25
Cabbage ² , fresh	4.07	4.43	4.24	4.14	3.90
Cucumbers, fresh	3.42	3.55	3.28	3.43	3.15
Celery, fresh	3.00	2.98	3.05	3.11	3.08
Corn, fresh	3.70	3.56	3.48	3.19	3.04
Pumpkins and squash, fresh	2.91	3.08	2.84	3.25	2.95
Broccoli, fresh	2.39	2.53	2.64	2.70	2.70
Cauliflower, fresh	2.80	2.80	2.64	2.33	2.23
Mushrooms, fresh	1.62	1.81	1.78	1.87	1.74
Rutabagas and turnips, fresh	1.38	1.21	1.03	1.28	1.18
Chinese cabbage, fresh	0.91	0.93	1.01	1.01	1.01
Kohlrabi, fresh	0.38	0.42	0.58	0.89	0.97
Spinach, fresh	0.75	0.82	0.89	0.96	0.94
Beets, fresh	0.64	0.72	0.68	0.71	0.92
Beans green and wax, fresh	0.96	0.94	0.91	0.86	0.90
Radishes, fresh	0.38	0.41	0.39	0.54	0.61
Asparagus, fresh	0.75	0.71	0.67	0.70	0.60
Eggplants, fresh	0.46	0.54	0.59	0.59	0.57
Garlic, fresh	0.46	0.46	0.48	0.48	0.49
Parsley, fresh	0.25	0.28	0.30	0.29	0.32
Leeks, fresh	0.27	0.25	0.24	0.23	0.32
Brussels sprouts, fresh	0.20	0.20	0.22	0.24	0.23
Parsnips, fresh	0.18	0.22	0.18	0.26	0.21
Peas, fresh	0.29	0.16	0.27	0.22	0.21
Rappini, fresh	0.15	0.15	0.20	0.21	0.18

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. (CANISM Table 002-0011)

...cont'd



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

	2011	2012	2013	2014	2015
Okra, fresh	0.11	0.13	0.13	0.16	0.15
Other edible roots, fresh	0.52	0.16	0.13	0.11	0.12
Manioc, fresh	0.09	0.11	0.11	0.10	0.10
Artichokes, fresh	0.06	0.06	0.05	0.04	0.03
Olives, fresh	0.01	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. (CANSIM Table 002-0011)



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

	2011	2012	2013	2014	2015
Tomatoes, fresh	6.00	5.98	6.31	6.14	5.94
Lettuce, fresh	5.41	5.19	5.18	5.28	5.31
Onions and shallots, fresh	4.06	4.05	3.78	3.94	4.20
Carrots, fresh,	4.89	4.84	4.00	3.48	4.19
Cabbage ² , fresh	2.13	2.31	2.21	2.16	2.04
Peppers, fresh	1.75	1.96	2.02	1.90	1.96
Celery, fresh	1.55	1.53	1.57	1.60	1.59
Cucumbers, fresh	1.59	1.66	1.53	1.60	1.47
Broccoli, fresh	1.13	1.19	1.25	1.27	1.27
Mushrooms, fresh	1.09	1.21	1.19	1.25	1.17
Pumpkins and squash, fresh	1.04	1.10	1.01	1.16	1.06
Corn, fresh	0.90	0.87	0.85	0.78	0.74
Kohlrabi, fresh	0.27	0.29	0.41	0.63	0.69
Cauliflower, fresh	0.86	0.86	0.81	0.71	0.68
Chinese cabbage, fresh	0.48	0.49	0.53	0.53	0.53
Spinach, fresh	0.42	0.46	0.50	0.54	0.53
Beets, fresh	0.36	0.40	0.38	0.40	0.51
Beans green and wax, fresh	0.53	0.51	0.50	0.47	0.49
Rutabagas and turnips, fresh	0.35	0.31	0.26	0.33	0.30
Eggplants, fresh	0.22	0.25	0.28	0.28	0.27
Asparagus, fresh	0.30	0.28	0.26	0.27	0.24
Garlic, fresh	0.21	0.21	0.22	0.22	0.23
Radishes, fresh	0.14	0.15	0.15	0.20	0.23
Parsley, fresh	0.13	0.14	0.15	0.15	0.16
Brussels sprouts, fresh	0.13	0.13	0.14	0.15	0.15
Leeks, fresh	0.13	0.12	0.11	0.11	0.15
Peas, fresh	0.16	0.09	0.15	0.12	0.12
Parsnips, fresh	0.10	0.12	0.10	0.15	0.11
Rappini, fresh	0.08	0.08	0.11	0.12	0.10
Okra, fresh	0.06	0.07	0.07	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. (CANISM Table 002-0011)



5. World production

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

	2010	2011	2012	2013	2014
Tomatoes	151,894,515	158,231,067	161,791,707	163,719,357	170,750,767
Watermelons	101,360,340	102,485,102	105,271,484	108,128,746	111,009,149
Onions, dry	78,984,889	84,856,696	82,158,344	84,375,135	88,475,089
Cucumbers and gherkins	62,611,105	66,382,572	69,580,178	72,059,494	74,975,625
Cabbages	65,520,334	70,148,579	67,916,656	68,819,128	71,778,764
Eggplants	44,112,147	45,171,222	47,269,020	48,993,974	50,193,117
Carrots and turnips	33,689,653	36,199,349	37,010,463	37,870,745	38,835,235
Peppers, green	29,598,344	30,071,000	30,856,764	31,177,539	32,324,345
Melons, other (inc.cantaloupes)	31,545,581	31,859,389	28,212,233	29,133,241	29,626,335
Pumpkins, squash and gourds	23,261,071	24,058,446	24,289,960	24,941,869	25,196,723
Lettuce and chicory	24,389,728	24,820,678	25,464,857	24,806,879	24,976,318
Garlic	22,557,355	23,088,184	23,411,764	24,188,693	24,939,965
Spinach	20,252,675	21,237,645	22,179,806	23,217,992	24,277,812
Cauliflowers and broccoli	21,068,569	21,795,024	22,436,145	23,202,980	24,175,040
Beans, green	21,747,407	22,080,578	22,875,674	23,195,448	23,532,686
Peas, green	16,360,933	16,980,578	17,069,892	17,443,099	17,426,421
Mushrooms and truffles	7,398,664	8,406,245	9,592,291	9,762,375	10,378,163
Okra	7,077,469	7,848,151	9,499,703	9,469,848	9,623,718
Maize, green	9,310,326	9,557,032	9,963,549	9,706,407	9,619,002
Asparagus	7,483,182	8,212,302	8,306,105	7,937,200	7,830,219
Onions and shallots	4,129,546	4,310,313	4,245,866	4,263,139	4,165,600
Leeks, other alliaceous vegetables	2,122,492	2,112,264	2,178,271	2,181,304	2,236,771
Vegetables, leguminous	1,747,688	1,654,633	1,602,707	1,703,747	1,659,077
Artichokes	1,460,172	1,541,071	1,626,585	1,613,383	1,573,363
Cassava leaves	85,000	85,000	89,325	81,591	77,079

Source: FAOSTAT (April 2017)



6. World trade

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

	2012	2013	2014	2015	2016
United States	5,994,307	7,080,322	7,692,392	9,215,567	10,849,338
Germany	4,617,708	5,184,590	5,465,228	5,916,699	6,235,931
United Kingdom	2,961,344	3,350,401	3,673,477	4,073,820	4,172,863
Canada	2,009,627	2,367,840	2,607,246	3,075,724	3,280,157
France	2,161,991	2,464,461	2,630,308	2,845,216	3,121,824
Netherlands	1,590,874	1,662,466	1,595,511	1,702,018	1,689,021
Russia	2,066,803	2,526,801	2,590,230	1,877,353	1,522,767
Belgium	884,180	1,075,798	1,102,551	1,183,806	1,314,434
Japan	1,093,691	998,907	967,045	1,014,319	1,204,194
Malaysia	481,961	593,936	556,674	796,264	941,252
Others	9,352,641	10,946,727	11,846,772	13,496,323	14,509,775
Total	33,215,127	38,252,250	40,727,433	45,197,109	48,841,556

Note:

1. Does not include potatoes.

Source: Global Trade Tracker. (April 2017)

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

	2012	2013	2014	2015	2016
Mexico	4,335,211	5,002,474	5,339,164	6,364,022	8,017,016
Spain	4,960,357	5,779,826	6,209,731	6,694,953	7,472,356
China	2,902,244	3,203,124	3,724,197	5,215,745	6,630,770
Netherlands	5,296,443	5,599,466	5,905,641	6,484,736	6,539,217
United States	2,472,310	2,843,362	3,098,115	3,499,338	3,684,202
Italy	1,327,691	1,515,914	1,593,753	1,681,666	1,860,446
Canada	983,054	1,285,904	1,329,155	1,563,885	1,755,075
France	1,232,434	1,436,396	1,420,311	1,468,598	1,583,382
Belgium	855,065	969,664	996,902	1,142,345	1,212,379
Morocco	623,123	752,054	859,842	863,583	1,014,352
Others	7,900,499	9,122,566	10,172,557	10,909,244	10,562,459
Total	32,888,432	37,510,752	40,649,368	45,888,115	50,331,654

Note:

1. Does not include potatoes.

Source: Global Trade Tracker. (April 2017)



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

	2012	2013	2014	2015	2016
Tomatoes	8,017,967	8,823,852	9,768,698	10,148,364	10,736,821
Peppers	4,558,197	5,159,364	5,559,690	5,935,290	6,781,080
Garlic	1,501,198	1,793,463	1,732,368	2,284,607	3,349,888
Onions and shallots	2,182,810	2,868,575	2,900,190	3,323,242	3,339,977
Cucumbers and gherkins	2,175,716	2,583,482	2,753,016	2,900,319	3,146,180
Cabbages, kohlrabi and kale	1,294,792	1,597,570	1,784,292	2,149,916	2,276,202
Asparagus	1,231,975	1,463,866	1,533,160	1,748,222	1,960,259
Lettuce	1,287,358	1,450,636	1,521,982	1,792,552	1,781,781
Pumpkins, squash and gourds	1,157,025	1,320,811	1,343,160	1,591,639	1,657,026
Carrots and turnips	1,090,738	1,268,962	1,206,717	1,463,609	1,476,437

Notes:

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

Source: Global Trade Tracker. (Avril 2017)

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

	2012	2013	2014	2015	2016
Tomatoes	8,027,367	8,865,409	10,015,191	10,396,875	10,952,622
Peppers	4,283,192	4,869,026	5,178,353	5,586,053	6,400,208
Garlic	1,959,526	2,141,073	2,271,214	3,187,355	4,769,417
Onions and shallots	2,507,566	3,406,363	3,200,884	4,072,092	4,144,406
Cucumbers and gherkins	2,115,160	2,380,319	2,561,363	2,653,146	3,027,684
Cabbages, kohlrabi and kale	995,889	1,184,664	1,401,458	1,696,384	1,741,296
Asparagus	1,037,914	1,122,003	1,259,629	1,460,192	1,674,019
Cauliflowers and headed broccoli	1,103,937	1,288,162	1,341,355	1,509,863	1,641,390
Carrots and turnips	1,098,315	1,235,201	1,227,627	1,573,256	1,611,816
Lettuce	1,179,166	1,296,883	1,367,040	1,594,936	1,603,301

Notes:

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

Source: Global Trade Tracker. (April 2017)



7. Key resources

FAOSTAT

Global Trade Tracker

Mintel

Statistics Canada. CANSIM Table 001-0006

Statistics Canada. CANSIM Table 001-0012

Statistics Canada. CANSIM Table 001-0013

Statistics Canada. CANSIM Table 001-0047

Statistics Canada. CANSIM Table 002-0001

Statistics Canada. CANSIM Table 002-0011

Statistics Canada. CANSIM Table 004-0020

Statistics Canada. CATSNET