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Statistical Overview of the Canadian Vegetable Industry 2012

Prepared by :
Market Analysis and Information Section
Horticulture and Cross Sectoral Division
Agriculture and Agri-Food Canada
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Overview

This report focusses on field vegetables, greenhouse vegetables and mushrooms.¹ A separate report for potatoes (Potato Market Information Review, 2011–2012) was published earlier in 2013. This report provides a statistical overview of the vegetable industry by presenting relevant information that includes: the number of farms, total farm area, production, farm gate value, revenue and trade. New to this report are data on retail sales and innovation in the vegetable sector.

Among the provinces, Ontario is the largest producer of field vegetables by far. In 2012, Ontario accounted for 60% of Canada's total production, followed by Quebec with 27% and British Columbia with 3%. While Canada's total production of field vegetables increased slightly from 2011 (0.93%), farm gate value (FGV)² grew by roughly \$34 million to a five year high of \$809.3 million in 2012 (a growth of 4.4% from 2011).

Not surprisingly, total Canadian farm revenue from field vegetables, as measured by farm cash receipts (FCR)³, increased to approximately \$1.14 billion, up 6% from 2011.

Canada's greenhouse sector, comprised of tomatoes, cucumbers, peppers and lettuce, saw a 2% increase in harvested area. Production grew from approximately 509 thousand tonnes in 2011 to 541 thousand tonnes in 2012, an increase of 6%. The majority of production is centered in Ontario (70%) and British Columbia (21%), with tomatoes being the predominant vegetable grown.

Despite an increase in production, there was a decrease in the value and revenue in the greenhouse sector. Overall FGV decreased 5% for all commodities, from over \$1.09 billion in 2011 to roughly \$1.04 billion in 2012. The provinces of Ontario (63.3%), British Columbia (22.6%), and Quebec (7.8%) accounted for the majority of the sector's value. In keeping with the FGV, FCR for greenhouse vegetable farms also decreased by 4% to \$1.06 billion.

Total Canadian vegetable exports (field vegetables, greenhouse vegetables and mushrooms) in 2012 amounted to \$1.05 billion, 98 percent of which (\$1.03 billion) were exported to the United States. Japan was the second largest destination for Canadian vegetables in 2012 (mostly mushrooms and peas), with exports valued at \$5.2 million.

The value and volume of Canada's major export commodities (peppers, cucumbers and gherkins, and mushrooms) increased in 2012. However, tomatoes, Canada's largest vegetable export, experienced a decline of 8.4% from 2011 to a 5 year low of \$274 million.

Canada imported \$2.28 billion worth of vegetables in 2012, with \$1.44 billion worth of product coming from the United States. Mexico was the second largest source of vegetables, with \$557 million in imports coming from that country.

Canada's major import commodities experienced a drop in value. Tomatoes saw a 15.9% drop, the largest decrease among the major commodities, followed by cauliflower and broccoli (8.8%), and carrots (8.16%). Lettuce remained the largest import commodity, followed by tomatoes, and onions and shallots.

¹ All data include organic vegetables. Breakdown of data by organics is not available.

² Farm gate value represents production values, expressed as remuneration obtained at the "farm gate", and is concerned with gross returns to growers.

³ Farm Cash Receipts represent the cash income received from the sale of agricultural commodities, as well as direct program payments made to support the agricultural sector.



1. Production

1.1. Number of Field Vegetable Farms by Province

Province	2006	2011	Change
	Number of Reporting Farms ¹		
Newfoundland and Labrador	154	150	(3%)
Prince Edward Island	114	97	(15%)
Nova Scotia	367	375	2%
New Brunswick	207	202	(2%)
Quebec	2,052	1,833	(11%)
Ontario	3,909	3,527	(10%)
Manitoba	273	208	(24%)
Saskatchewan	210	180	(14%)
Alberta	508	445	(12%)
British Columbia	1,705	2,040	20%
Canada	9,499	9,057	(5%)

Source: Statistics Canada. (CANSIM Table 004-0003)

Note:

1. Number of farms includes all farms reported to be growing vegetables as a crop, and not exclusively farms in which vegetable production represents 50% or more of total farm cash receipts.

1.2. Number of Greenhouse Vegetable Farms by Province

Province (Region)	2008	2009	2010	2011	2012
	Number of Reporting Operations				
Atlantic Provinces	45	35	40	45	50
Quebec	235	235	240	245	240
Ontario	215	240	240	235	240
Prairie Provinces	95	80	80	80	85
British Columbia	105	105	120	130	135
Canada	695	695	720	735	750

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

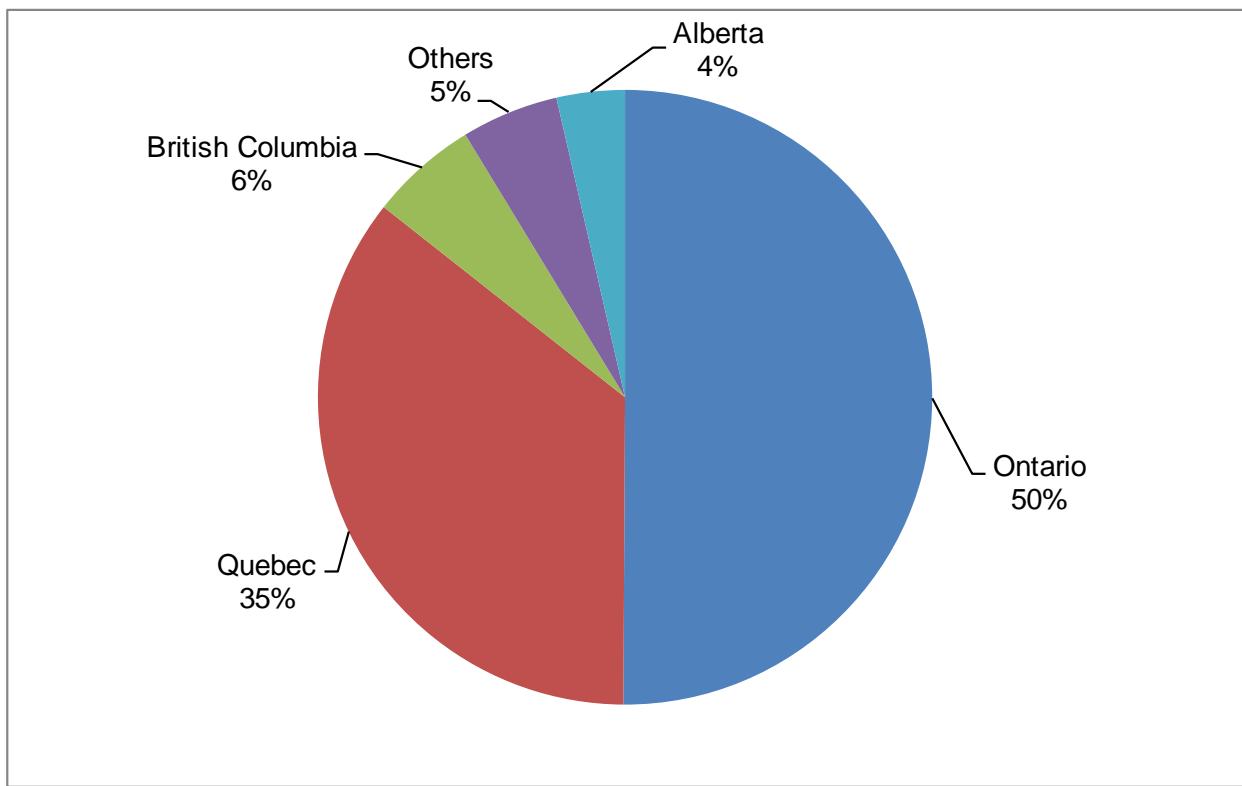


1.3. Planted Area of Field Vegetables by Province

Province	2008	2009	2010	2011	2012
	Hectares				
Newfoundland and Labrador	312	257	249	246	221
Prince Edward Island	818	784	931	883	906
Nova Scotia	1,894	1,859	2,010	2,085	2,314
New Brunswick	597	394	649	650	610
Quebec	35,842	39,586	36,697	36,002	33,868
Ontario	49,303	45,898	46,782	47,705	47,745
Manitoba	1,537	651	1,707	1,694	738
Saskatchewan	155	88	126	161	86
Alberta	4,253	3,490	3,014	3,344	3,424
British Columbia	5,498	4,818	5,242	5,427	5,411
Canada	102,054	105,608	101,868	100,249	98,139

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

1.4. Planted Area of Field Vegetables by Province – Percent Share, 2012



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



1.5. Planted Area of Field Vegetables by Commodity

Commodity	2008	2009	2010	2011	2012
	Hectares				
Corn	22,939	22,931	22,500	22,880	21,919
Peas	15,213	13,283	11,376	11,591	10,982
Carrots ¹	8,500	8,890	8,746	8,772	8,658
Beans	9,231	9,399	8,898	8,398	8,489
Tomatoes	7,517	6,628	6,791	6,831	6,834
Cabbage ²	4,421	4,951	5,046	5,603	5,798
Dry onions	5,615	5,751	5,590	5,345	5,436
Broccoli	3,832	4,628	4,556	4,149	4,062
Lettuce ³	3,689	5,483	4,677	4,035	3,583
Pumpkins	2,962	2,839	3,102	2,984	2,844
Squash and zucchinis	2,106	2,465	2,564	2,598	2,576
Cucumbers	1,959	2,677	2,439	2,228	2,077
Peppers	1,888	1,815	1,942	1,950	1,979
Rutabagas and turnips	1,738	1,756	1,836	1,766	1,863
Cauliflower	1,793	2,058	1,967	1,811	1,803
Asparagus	1,783	1,949	1,829	1,742	1,698
Beets	1,060	1,240	1,242	1,384	1,347
Radishes	977	1,123	962	976	966
Spinach	819	714	1,008	834	779
Celery	795	817	911	750	720
Shallots	771	951	745	691	689
Brussels sprouts	573	643	632	566	609
Watermelon	364	807	732	569	540
Other melons	498	534	501	473	503
Parsnips	283	328	310	351	369
Leeks	299	380	372	329	352
Garlic	166	256	245	333	297
Parsley	119	148	175	146	187
Rhubarb	144	164	174	164	180
Total	102,054	105,608	101,868	100,249	98,139

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

Notes:

1. Includes baby carrots and regular carrots.
2. Includes Chinese cabbage and regular cabbage.
3. Includes leaf lettuce and head lettuce.

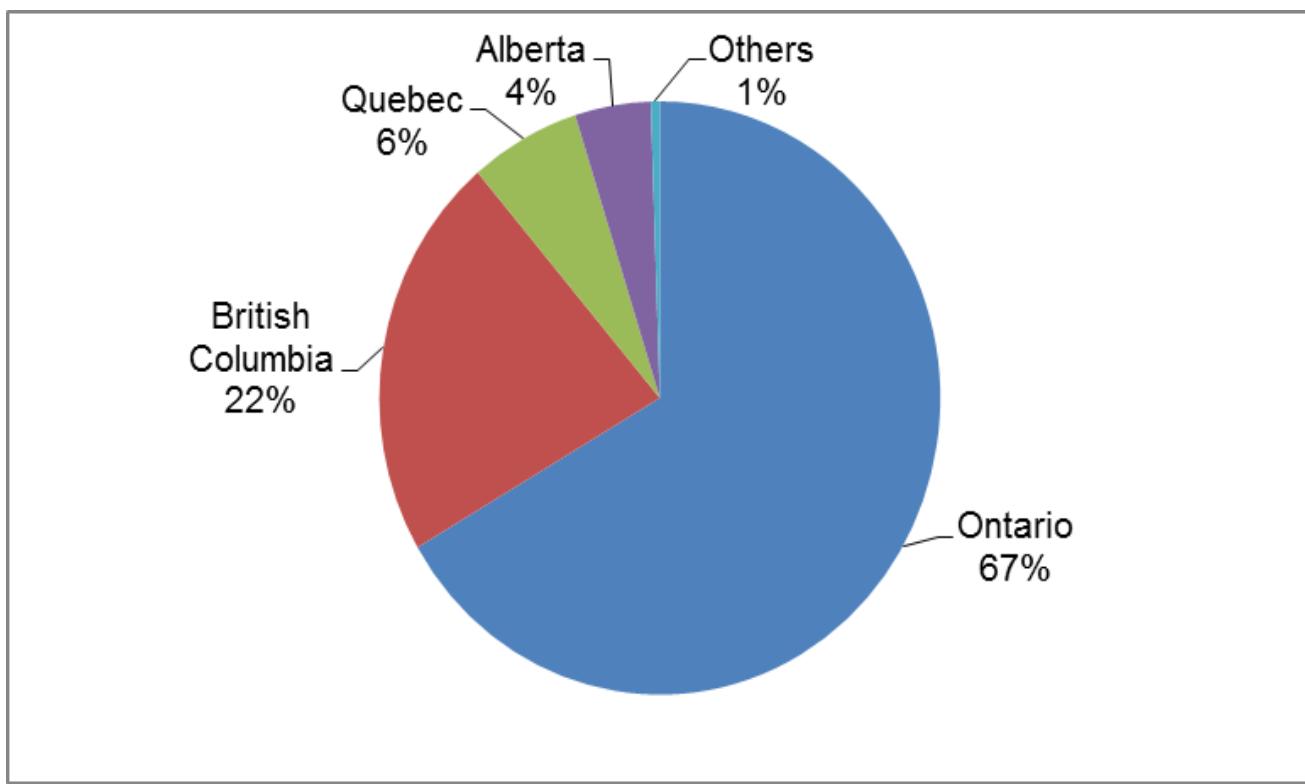


1.6. Harvested Area of Greenhouse Vegetables by Province

Province	2008	2009	2010	2011	2012
	Square Metres				
Newfoundland and Labrador	1,723	1,960	2,708	1,509	2,407
Prince Edward Island	0	0	0	242	0
Nova Scotia	3,094	2,547	53,141	52,850	51,554
New Brunswick	0	3,326	0	0	0
Quebec	761,219	771,294	640,553	650,696	813,802
Ontario	7,290,933	8,008,184	7,711,213	8,260,638	8,500,479
Manitoba	5,528	5,670	7,724	7,786	6,778
Saskatchewan	5,035	7,241	9,653	9,289	4,575
Alberta	337,660	334,451	482,583	506,093	557,214
British Columbia	2,772,663	2,749,139	2,736,957	2,805,537	2,826,762
Canada	11,281,165	12,002,508	11,908,517	12,616,282	12,869,974

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

1.7. Harvested Area of Greenhouse Vegetables by Province – Percent Share, 2012



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

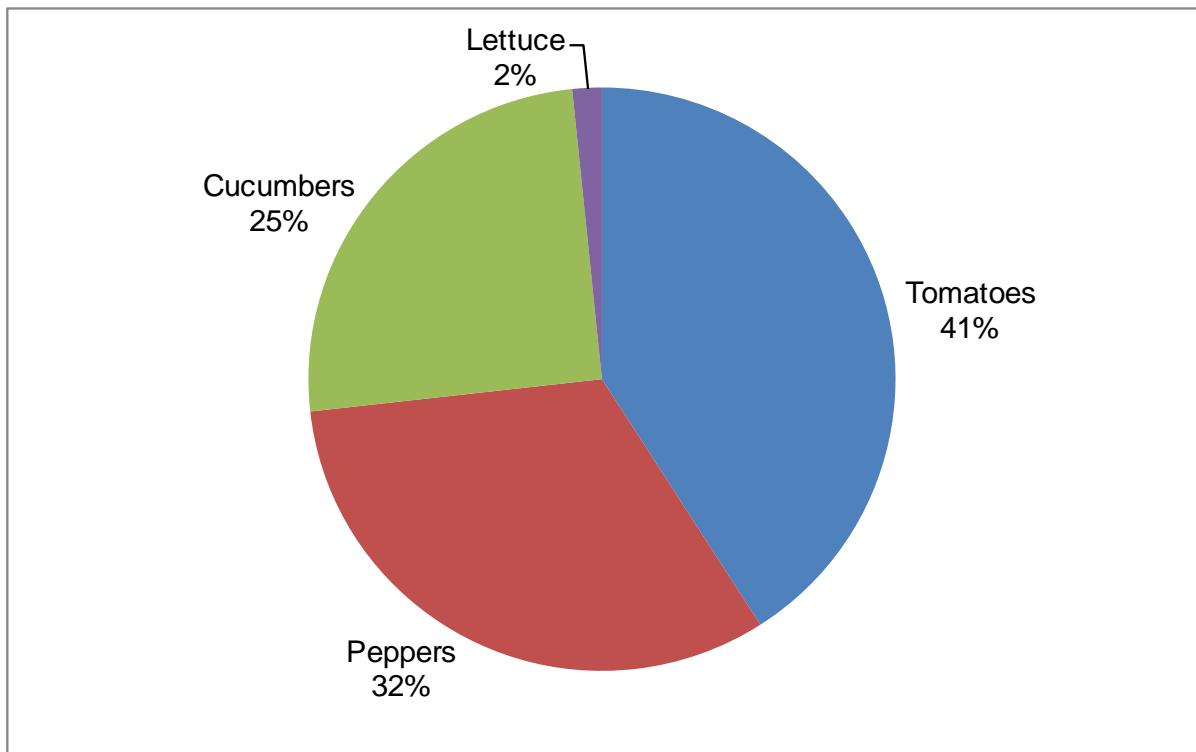


1.8. Harvested Area of Greenhouse Vegetables by Commodity

Commodity	2008	2009	2010	2011	2012
	Square Metres				
Tomatoes	4,824,583	4,952,311	4,937,170	5,321,281	5,266,968
Peppers	3,373,223	3,537,868	3,787,568	3,887,737	4,157,852
Cucumbers	2,927,923	3,281,416	2,935,202	3,089,805	3,236,706
Lettuce	155,436	230,913	248,577	317,459	208,448
Total	11,281,165	12,002,508	11,908,517	12,616,282	12,869,974

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

1.9. Harvested Area of Greenhouse Vegetables by Commodity – Percent Share, 2012



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

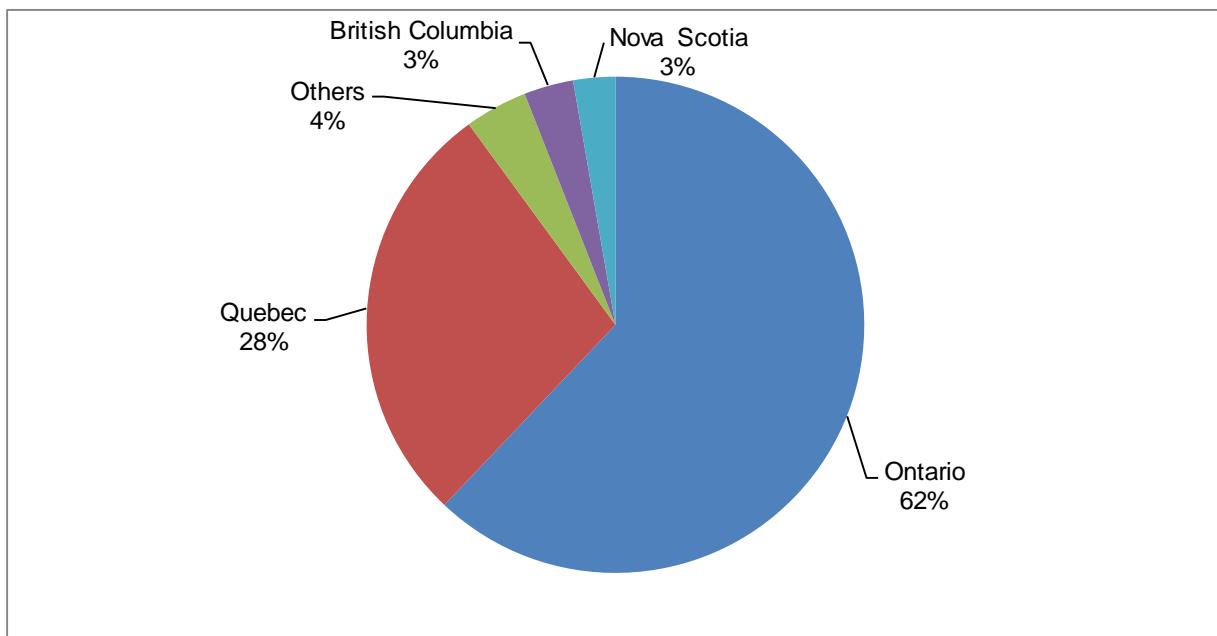


1.10. Marketed Production of Field Vegetables by Province

Province	2008	2009	2010	2011	2012
Metric Tonnes					
Newfoundland and Labrador	3,833	5,496	4,262	3,976	4,140
Prince Edward Island	15,715	20,772	21,149	30,004	38,550
Nova Scotia	55,058	64,064	61,993	58,309	54,353
New Brunswick	5,571	2,733	8,451	7,455	7,521
Quebec	525,866	577,154	558,919	541,371	555,432
Ontario	1,152,007	1,168,526	1,173,646	1,231,093	1,235,567
Manitoba	25,686	964	17,235	27,041	4,134
Saskatchewan	188	320	1,887	2,050	738
Alberta	27,877	25,176	21,028	21,016	26,154
British Columbia	63,685	49,161	58,131	67,683	64,059
Canada	1,903,382	2,046,677	2,013,643	2,029,118	2,048,017

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

1.11. Marketed Production of Field Vegetables by Province – Percent Share, 2012



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



1.12. Marketed Production of Field Vegetables by Commodity

Commodity	2008	2009	2010	2011	2012
	Metric Tonnes				
Tomatoes	563,130	502,273	473,792	471,602	478,151
Carrots ¹	260,562	336,315	402,150	412,164	388,295
Corn	225,463	223,618	208,636	209,013	201,544
Dry onions	159,653	205,776	190,821	189,877	194,047
Cabbage ²	129,689	145,903	143,582	159,591	162,279
Lettuce ³	70,402	74,523	69,454	62,494	64,219
Pumpkins	47,639	49,346	46,675	57,777	63,729
Beans	54,989	48,599	46,848	43,497	51,216
Peppers	37,186	39,031	44,379	46,313	50,538
Cucumbers	39,451	64,428	53,949	42,967	49,115
Rutabagas and turnips	36,598	43,912	46,514	53,671	46,023
Peas	72,108	60,021	44,766	43,022	42,177
Beets	16,701	25,635	25,188	31,068	36,354
Broccoli	32,264	41,478	38,918	33,716	34,786
Squash and zucchinis	21,314	28,316	28,291	31,804	33,039
Cauliflower	31,062	32,188	32,377	28,995	30,599
Celery	32,870	33,652	32,474	28,668	27,935
Watermelon	10,027	14,548	18,693	18,054	22,940
Other melons	11,834	13,077	11,988	11,331	14,316
Radishes	9,498	12,663	12,898	11,550	12,262
Shallots	15,375	17,159	10,300	10,905	10,414
Parsnips	3,470	4,523	4,769	5,729	7,227
Brussels sprouts	5,978	7,174	4,976	6,141	6,361
Asparagus	4,765	7,835	6,210	6,577	6,235
Spinach	3,944	5,307	5,473	4,017	5,165
Leeks	4,096	4,864	5,247	5,092	4,428
Parsley	1,302	1,989	1,870	1,309	2,088
Rhubarb	1,531	2,026	1,990	1,602	1,783
Garlic	481	498	415	572	752
Total	1,903,382	2,046,677	2,013,643	2,029,118	2,048,017

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

Notes:

1. Includes baby carrots and regular carrots.
2. Includes Chinese cabbage and regular cabbage.
3. Includes leaf lettuce and head lettuce.

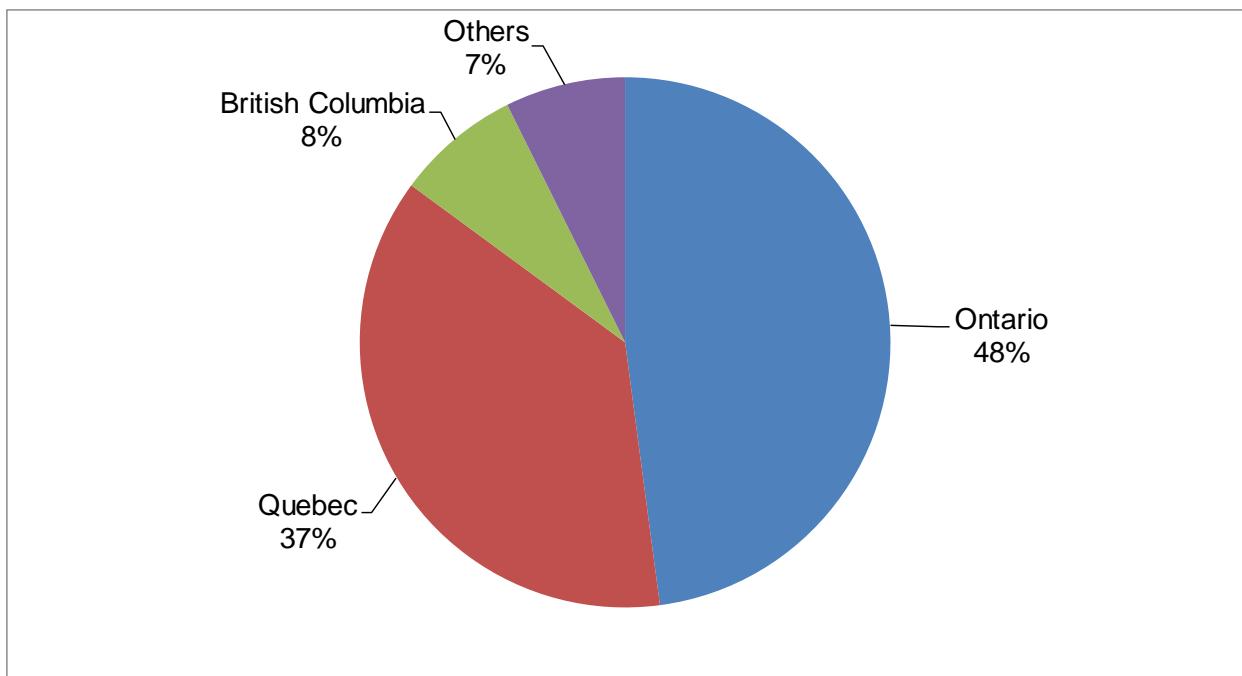


1.13. Farm Gate Value of Field Vegetables by Province

Province	2008	2009	2010	2011	2012
	CAD\$ (000)				
Newfoundland and Labrador	3,160	4,667	3,160	3,402	3,711
Prince Edward Island	5,965	5,541	6,441	9,059	8,127
Nova Scotia	11,985	12,193	14,141	17,110	17,518
New Brunswick	3,845	2,227	5,278	5,143	5,866
Quebec	245,723	261,497	274,602	260,759	278,628
Ontario	273,799	316,305	327,255	356,228	358,905
Manitoba	16,585	987	11,232	17,902	6,355
Saskatchewan	705	710	1,418	1,731	907
Alberta	9,800	3,167	8,713	9,354	12,402
British Columbia	46,885	44,599	53,679	60,736	56,827
Canada	641,957	769,539	753,348	775,137	809,331

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

1.14. Farm Gate Value of Field Vegetables by Province – Percent Share, 2012



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



1.15. Farm Gate Value of Field Vegetables by Commodity

Commodity	2008	2009	2010	2011	2012
	CAD\$ (000)				
Carrots ¹	66,975	84,195	97,071	95,491	92,483
Tomatoes	75,915	86,856	76,500	80,831	81,651
Corn	61,258	73,690	63,765	70,493	71,979
Dry onions	53,305	59,369	73,515	65,242	65,452
Cabbage ²	42,178	42,849	47,653	60,415	62,533
Lettuce ³	46,425	60,961	59,431	48,248	51,287
Broccoli	33,735	39,717	35,594	33,492	40,241
Peppers	25,425	28,268	32,866	33,782	39,170
Beans	27,442	26,886	31,300	30,295	31,968
Cucumbers	19,001	32,862	26,020	23,130	29,598
Squash and zucchinis	15,935	20,483	20,998	26,955	26,025
Cauliflower	22,295	23,172	24,183	22,333	23,857
Asparagus	14,085	24,136	21,465	22,392	22,887
Rutabagas and turnips	14,770	21,719	18,532	22,024	21,495
Peas	23,608	24,056	16,346	17,327	20,111
Pumpkins	12,345	15,277	15,339	16,956	17,586
Shallots	20,225	24,225	14,301	15,907	15,938
Celery	13,852	13,382	15,562	12,369	14,587
Beets	6,653	9,430	9,517	13,922	12,189
Radishes	9,865	11,578	11,481	10,739	10,839
Spinach	5,280	7,512	8,015	6,681	8,712
Leeks	5,135	7,786	7,217	7,953	7,541
Brussels sprouts	7,385	6,950	F	7,331	7,475
Other melons	6,360	7,013	7,114	6,250	7,469
Watermelon	3,545	5,361	7,242	7,409	6,901
Garlic	2,255	2,989	2,617	6,190	6,593
Parsnips	3,270	3,929	4,752	5,966	6,574
Parsley	2,125	3,218	3,155	2,820	3,430
Rhubarb	1,310	1,670	1,797	2,194	2,760
Total	641,957	769,539	753,348	775,137	809,331

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

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.



1.16. Greenhouse Vegetable¹ Production by Province

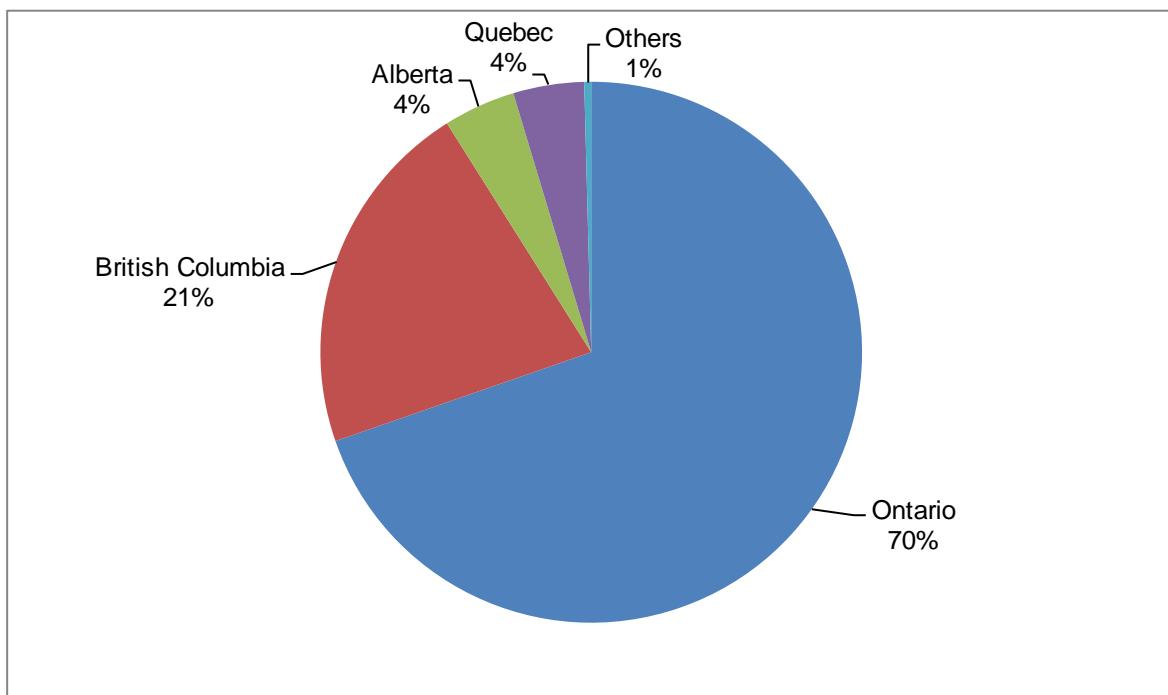
Province	2008	2009	2010	2011	2012
	Metric Tonnes				
Newfoundland and Labrador	0	9	10	7	9
Prince Edward Island	0	0	0	0	0
Nova Scotia	0	2	1,542	347	1,943
New Brunswick	0	56	0	0	0
Quebec	20,981	20,352	24,482	22,468	22,777
Ontario	189,500	212,632	217,484	348,487	374,875
Manitoba	0	86	145	190	182
Saskatchewan	79	74	87	92	86
Alberta	5,562	7,103	7,721	21,025	23,115
British Columbia	82,204	87,428	91,892	112,095	115,073
Canada	300,940	330,085	343,664	509,126	541,223

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

Note:

1. Does not include lettuce.

1.17. Greenhouse Vegetable Production by Province – Percent Share, 2012



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



1.18. Greenhouse Vegetable Production by Commodity

Commodity	2008	2009	2010	2011	2012
	Metric Tonnes				
Tomatoes	217,828	242,547	251,131	266,481	268,184
Cucumbers	F	F	F	152,453	166,491
Peppers	83,112	87,538	92,533	90,192	106,548
Lettuce ¹	10,512	10,580	12,775	15,643	15,304
Total	311,452	340,665	356,439	524,769	556,527

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

Notes:

1. Lettuce production has been converted using Statistics Canada's conversion rate: 1 dozen heads of lettuce is equal to 15 pounds (where 1 pound = 0.4536 kg).

F: Too unreliable to be published.

1.19. Farm Gate Value of Greenhouse Vegetables by Province

Province	2008	2009	2010	2011	2012
	CAD\$ (000)				
Newfoundland and Labrador	0	19	34	19	22
Prince Edward Island	0	0	0	6	0
Nova Scotia	33	0	4,888	1,039	4,699
New Brunswick	0	145	0	0	0
Quebec	63,601	78,410	72,891	71,981	80,913
Ontario	516,800	597,176	651,205	687,296	659,006
Manitoba	0	374	548	724	651
Saskatchewan	374	639	793	847	398
Alberta	32,555	32,232	40,733	42,379	50,545
British Columbia	221,017	243,294	247,377	259,239	235,652
Canada¹	862,358	962,233	1,042,738	1,095,624	1,041,201

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

Note:

1. Totals may not add up, due to suppression of data to meet the requirements of the *Statistics Act*.

1.20. Farm Gate Value of Greenhouse Vegetables by Commodity

Commodity	2008	2009	2010	2011	2012
	CAD\$ (Thousands)				
Tomatoes	392,266	458,681	476,765	484,934	439,121
Peppers	235,807	235,162	278,123	299,612	300,488
Cucumbers	214,233	246,485	264,584	284,522	278,408
Lettuce	20,053	21,905	23,265	26,555	23,184
Total	862,358	962,233	1,042,738	1,095,624	1,041,201

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



1.21. Area, Production and Sales¹ of Canadian Mushroom

Region ²	2008	2009	2010	2011	2012
Square feet (000)					
Maritime Provinces and Quebec	759	799	626	714	618
Ontario	24,891	18,501	19,470	18,491	21,412
Western Provinces	15,041	15,120	15,778	15,778	16,336
Canada	40,691	34,420	35,874	34,983	38,367
Metric Tonnes					
Maritime Provinces and Quebec	1,725	1,725	1,765	1,731	1,196
Ontario	57,910	47,529	45,663	46,217	54,834
Western Provinces	39,476	39,140	40,256	40,256	41,313
Canada	99,111	88,394	87,683	88,204	97,342
CAD\$ (000)					
Maritime Provinces and Quebec	4,733	4,658	4,394	4,253	3,284
Ontario	193,504	165,867	162,958	155,307	166,970
Western Provinces	103,521	103,334	98,963	99,814	114,153
Canada	301,758	273,859	266,315	259,374	284,407

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

Notes:

1. Value represents that received by the grower in all cases, except for those who sell to the largest mushroom cooperative in British Columbia, where value is that received by the co-op.

2. Regional distributions shown as presented by Statistics Canada.



1.22. Canadian Retail Snapshot of Fresh Vegetable Market¹

	2008	2009	2010	2011	2012
Availability of Fresh Vegetables	Volume ('000 Tonnes)				
Production for Canadian Market ²	251.0	539.9	488.3	551.6	532.1
Imports ³	1,526.3	1,584.8	1,585.8	1,619.5	1,639.1
Actual Sales					
Retail Sales ⁴	1,527.4	1,526.3	1,584.8	1,585.8	1,619.5

Sources:

Retail sales: Euromonitor International

Production and Imports: Statistics Canada

Notes:

1. Data provided by Global Analysis Division, Market Reporting and Knowledge Management Section, Agriculture and Agri-Food Canada.

2. Production for Canadian market was derived from total marketed production, excluding vegetables produced for processing and export.

3. Imports for fresh market only: Excludes fresh vegetable imports for processing.

4. Retail sales are defined as sales through establishments primarily engaged in the sale of fresh, packaged and prepared foods for home preparation and consumption.

1.23. Forecast of Fresh Vegetable Retail Sales by Volume in '000 Tonnes¹

	2013	2014	2015	2016	2017
Retail Sales²	1,656.5	1,678.9	1,702.8	1,725.2	1,741.3

Source: *Euromonitor International*

Notes:

1. Data provided by Global Analysis Division, Market Reporting and Knowledge Management Section, Agriculture and Agri-Food Canada.

2. Data projections are based on fifteen-year historic trends and industry insider views.



2. Revenue

2.1. Field Vegetable Farm Cash Receipts by Province

Province	2008	2009	2010	2011	2012
	CAD\$ (000)				
Newfoundland and Labrador	3,448	4,494	x	x	3,766
Prince Edward Island	7,058	8,166	10,152	x	x
Nova Scotia	16,248	16,856	17,691	x	21,386
New Brunswick	6,095	6,240	x	5,442	x
Quebec	257,221	277,408	281,695	286,142	317,203
Ontario	473,584	492,783	510,044	537,383	560,596
Manitoba	33,376	35,615	32,012	32,771	32,229
Saskatchewan	1,644	1,981	1,775	2,349	1,900
Alberta	25,442	28,753	19,766	25,762	23,858
British Columbia	137,892	144,691	147,490	153,047	162,154
Canada¹	962,008	1,016,987	1,031,770	1,079,528	1,140,078

Source: Statistics Canada. (CANSIM Table 002-0001)

Notes:

1. Totals may not agree, due to suppression of data to meet the requirements of the *Statistics Act*.

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

2.2. Greenhouse Vegetable Farm Cash Receipts by Province

Province	2008	2009	2010	2011	2012
	CAD\$ (000)				
Newfoundland and Labrador	x	209	x	x	83
Prince Edward Island	256	x	356	x	x
Nova Scotia	x	x	4,983	x	5,138
New Brunswick	x	432	x	1,364	x
Quebec	84,625	82,808	95,095	96,313	91,858
Ontario	529,964	608,307	666,749	700,014	673,272
Manitoba	x	558	972	1,082	1,182
Saskatchewan	822	850	1,131	1,267	1,616
Alberta	33,699	33,818	41,554	43,733	51,068
British Columbia	223,542	245,938	252,466	266,235	240,119
Canada¹	880,584	980,262	1,064,731	1,116,691	1,066,480

Source: Statistics Canada. (CANSIM Table 002-0001)

Notes:

1. Totals may not agree, due to suppression of data to meet the requirements of the *Statistics Act*.

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



2.3. Total Vegetable Farm Cash Receipts¹ by Province

Province	2008	2009	2010	2011	2012
	CAD\$ (000)				
Newfoundland and Labrador	x	4,703	x	x	3,849
Prince Edward Island	7,314	x	10,508	x	x
Nova Scotia	x	x	22,674	x	26,524
New Brunswick	x	6,672	x	6,806	x
Quebec	341,846	360,216	376,790	382,455	409,061
Ontario	1,003,548	1,100,820	1,176,793	1,237,397	1,233,868
Manitoba	x	36,173	32,984	33,853	33,411
Saskatchewan	2,466	2,831	2,906	3,616	3,516
Alberta	59,141	62,571	61,320	69,495	74,926
British Columbia	361,434	390,629	399,956	419,282	402,273
Canada²	1,842,592	1,997,249	2,096,501	2,196,219	2,206,558

Source: Statistics Canada. (CANSIM Table 002-0001)

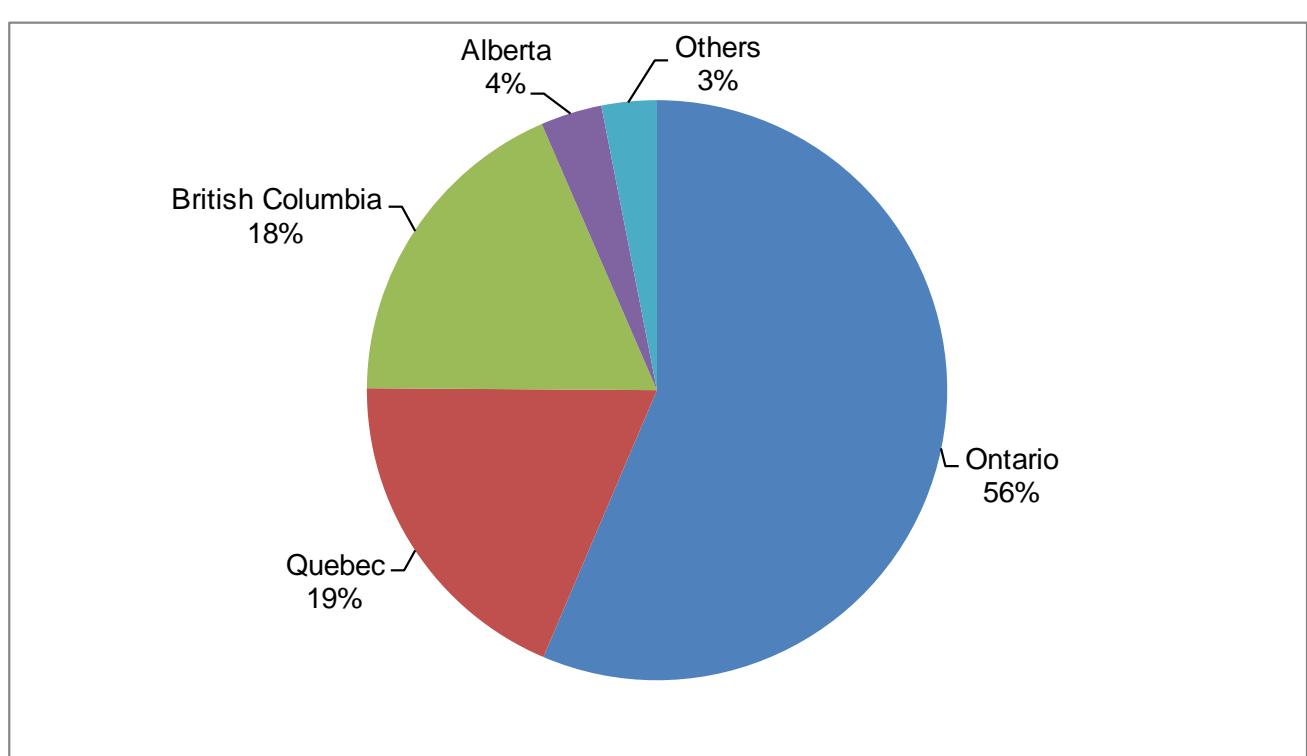
Notes:

1. Total includes field vegetables and greenhouse vegetables but does not include mushroom farm cash receipts as the data are not available.

2. Totals do not add up, due to suppression of data to meet the requirements of the Statistics Act.

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

2.4. Total Vegetable Farm Cash Receipts by Province – Percent Share, 2012

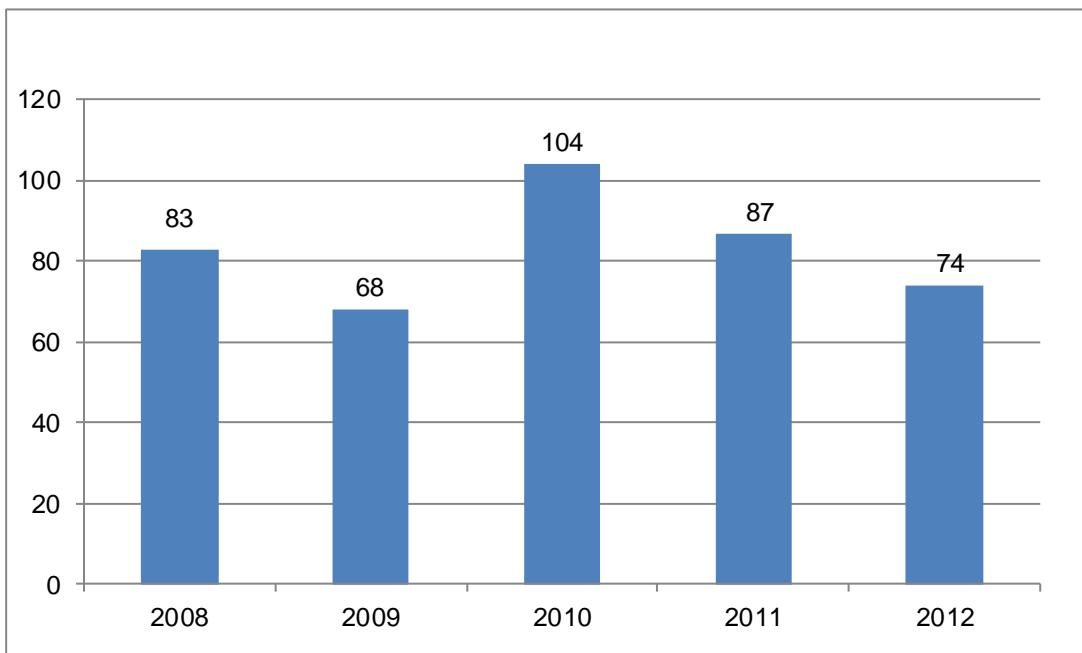


Source: Statistics Canada. (CANSIM Table 002-0001)



3. Innovation¹

3.1. Number of New Products Launched in Canada under Sub-category “Vegetable”, 2008 – 2012



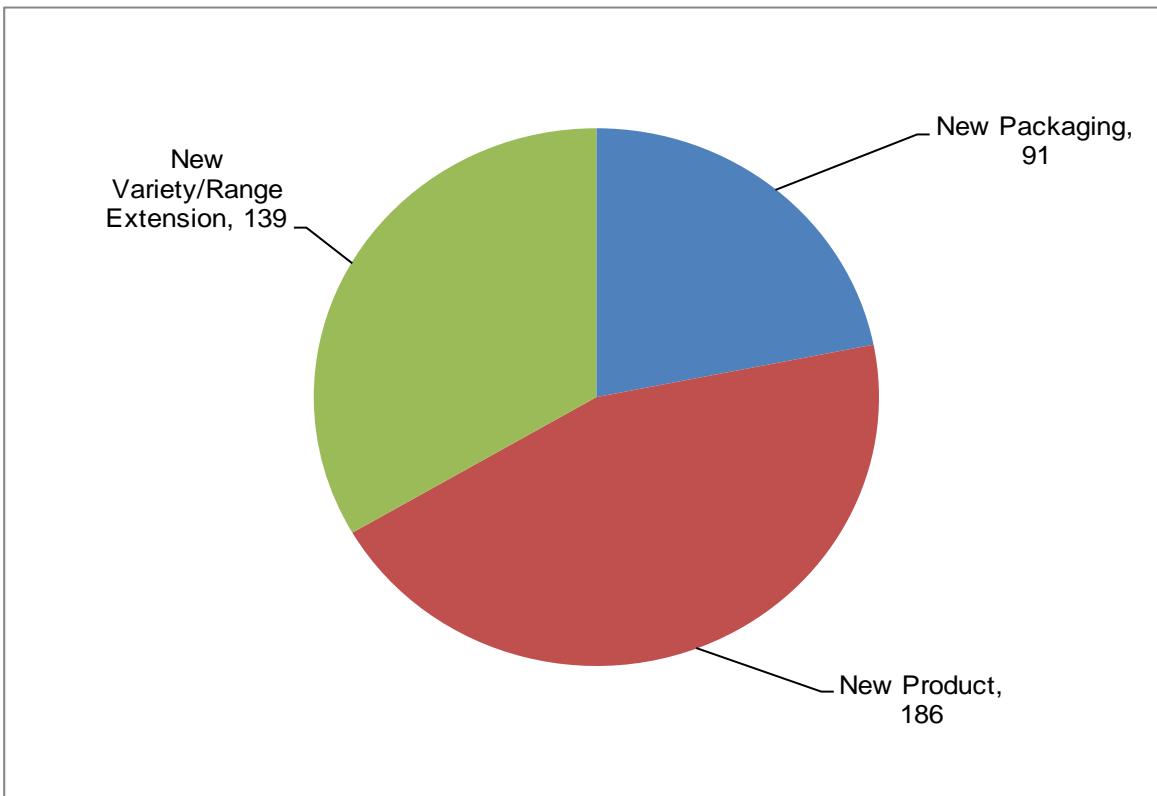
Source: Mintel

Note:

1. Data provided by Global Analysis Division, Market Reporting and Knowledge Management Section, Agriculture and Agri-Food Canada.



3.2. Number of New Products Launched in Canada under the Sub-category “Vegetable” by Launch Type, 2008 – 2012



Source: Mintel

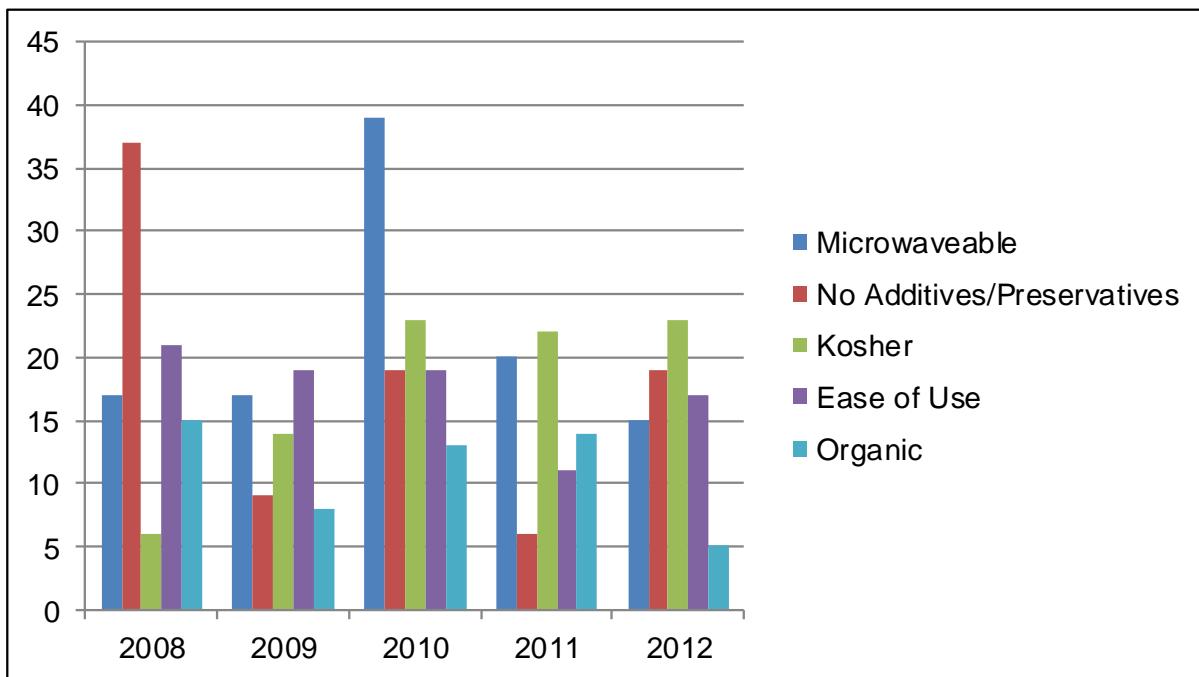
3.3. Top 10 Claims of New Products Launched in Canada under the Sub-category “Vegetable”, 2008 – 2012

	2008	2009	2010	2011	2012	Total
Microwaveable	17	17	39	20	15	108
No Additives/Preservatives	37	9	19	6	19	90
Kosher	6	14	23	22	23	88
Ease of Use	21	19	19	11	17	87
Organic	15	8	13	14	5	55
Ethical - Environmentally Friendly Package	5	12	12	11	11	51
Convenient Packaging	3	3	24	8	7	45
Economy	2	8	14	2	6	32
Time/Speed	2	7	12	4	6	31
All Natural Product	12	0	5	5	4	26

Source: Mintel



3.4. Top 5 Claims of New Products Launched in Canada under the Sub-category “Vegetable”, 2008 – 2012



Source: Mintel



4. Trade

4.1. Canadian Vegetable Trade Balance, 2008 – 2012

Vegetable Category	2008	2009	2010	2011	2012
	CAD\$ (000)				
Exports					
Fresh, Frozen and Dried	969,822	963,983	1,056,719	1,056,265	1,047,736
Processed	168,529	153,874	150,065	133,245	123,321
Total	1,138,351	1,117,857	1,206,784	1,189,510	1,171,057
Imports					
Fresh, Frozen and Dried	2,090,684	2,239,453	2,267,649	2,359,976	2,278,860
Processed	561,107	586,774	595,103	639,435	680,283
Total	2,651,791	2,826,227	2,862,752	2,999,411	2,959,143
Net Trade (Exports less Imports)					
Fresh, Frozen and Dried	(1,120,862)	(1,275,470)	(1,210,930)	(1,303,711)	(1,231,124)
Processed	(392,578)	(432,899)	(445,037)	(506,190)	(556,962)
Total	(1,513,440)	(1,708,369)	(1,655,967)	(1,809,901)	(1,788,086)

Source: Statistics Canada. (CATSNET, October 2013)



4.2. EXPORTS

4.2.1. Canada's Fresh Vegetable Exports – Value

Commodity	2008	2009	2010	2011	2012
	CAD\$ (000)				
Tomatoes ¹	286,368	290,672	308,158	299,533	274,321
Peppers ¹	201,541	188,588	230,995	206,767	225,659
Cucumbers and gherkins ^{1,2}	91,258	99,207	103,176	125,059	126,590
Mushrooms ^{2,3}	83,022	89,019	109,612	110,736	115,770
Beans ⁴	27,230	28,790	31,357	34,677	41,648
Carrots	37,228	41,197	36,577	48,327	38,896
Lettuce	28,348	28,775	26,986	23,783	28,574
Cabbage	20,457	16,876	26,724	29,850	25,413
Onions and shallots ³	41,175	26,551	39,893	20,421	22,432
Corn ⁴	18,767	21,879	18,339	18,007	20,635
Peas ⁴	23,117	22,522	19,229	18,084	17,233
Cauliflower and broccoli	6,739	6,657	5,340	7,971	8,869
Asparagus	4,296	5,828	4,517	5,250	6,711
Leguminous vegetables ⁴	2,758	3,174	2,607	3,196	4,194
Eggplant	1,668	2,524	4,306	3,417	3,989
Spinach ⁴	1,596	2,968	3,195	2,891	3,625
Celery	3,832	1,328	1,731	2,826	2,668
Sweet potatoes	102	106	241	4,855	1,825
Leeks	416	519	895	993	1,282
Garlic	428	554	558	495	377
Brussels sprouts	168	1,208	244	223	262
Turnips	578	85	78	159	175
Other vegetables ^{2,3,4}	88,728	84,957	81,962	88,744	76,589
Total	969,822	963,983	1,056,719	1,056,264	1,047,736

Source: Statistics Canada. (CATSNET, July 2013)

Notes:

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



4.2.2. Canada's Fresh Vegetable Exports – Volume

Commodity	2008	2009	2010	2011	2012
	Metric Tonnes				
Tomatoes ¹	119,693	130,884	142,773	141,511	139,507
Peppers ¹	67,412	73,688	88,273	85,342	97,716
Carrots	86,807	85,978	85,694	97,995	91,526
Cucumbers and gherkins ^{1 2}	59,314	64,737	68,612	82,368	89,359
Onions and shallots ³	78,234	41,679	58,963	30,180	38,936
Beans ⁴	20,547	19,385	25,801	28,642	31,581
Mushrooms ^{2 3}	21,221	20,894	29,587	28,143	31,465
Corn ⁴	16,024	16,897	16,710	16,531	16,698
Peas ⁴	19,590	16,474	18,469	17,647	16,125
Lettuce	14,737	15,456	13,158	10,396	14,457
Cabbage	15,031	14,953	16,394	13,243	13,562
Cauliflower and broccoli	8,975	8,574	7,791	10,355	11,776
Celery	6,572	3,434	3,544	6,029	4,930
Leguminous vegetables ⁴	2,399	2,219	2,060	2,748	3,017
Sweet potatoes	131	207	513	7,208	2,700
Asparagus	1,255	1,412	1,189	1,482	1,511
Spinach ⁴	941	1,286	1,313	1,241	1,459
Eggplant	628	887	1,454	1,198	1,274
Leeks	252	329	538	845	987
Turnips	1,102	93	130	345	726
Garlic	72	77	80	147	217
Brussels sprouts	131	1,144	138	94	118
Other vegetables ^{2 3 4}	152,446	126,135	146,783	157,876	126,958
Total	693,515	646,822	729,969	741,567	736,605

Source: Statistics Canada. (CATSNET, July 2013)

Notes:

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



4.2.3. Top 5 Vegetable Export Destinations by Commodity – Value

Country	Commodity	2008	2009	2010	2011	2012
		CAD\$ (000)				
United States	Tomatoes	280,616	279,902	304,015	292,094	264,822
	Peppers	201,519	188,548	230,946	206,702	225,610
	Cucumbers and gherkins	86,456	93,517	94,049	112,675	108,823
	Mushrooms	72,942	79,635	102,075	98,527	111,418
	Others	306,071	306,590	306,388	322,274	318,140
	Total	947,603	948,191	1,037,472	1,032,272	1,028,814
Japan	Mushrooms	5,465	7,726	4,940	6,314	3,195
	Peas	543	92	529	1,144	1,450
	Tomatoes	552	1,141	632	583	561
	Beans	89	0	0	0	19
	Others	59	249	181	364	24
	Total	6,709	9,208	6,282	8,406	5,249
Australia	Sweet potatoes	0	0	0	4,566	1,464
	Peas	0	4	3	0	0
	Beans	0	37	0	0	0
	Peppers	0	5	0	0	0
	Total	0	46	3	4,566	1,464
China	Peas	0	0	2,014	677	1,241
	Mushrooms	0	24	0	40	64
	Cauliflowers and headed broccoli	0	0	2	0	5
	Others	123	432	963	45	3
	Total	123	455	2,979	762	1,312
France	Beans	10	1	48	0	605
	Mushrooms	2,824	487	1,372	2,893	426
	Onions and shallots	1,407	2	7	2	81
	Peppers	0	2	9	5	8
	Others	852	36	65	71	27
	Total	5,094	528	1,502	2,970	1,148

Source: Statistics Canada. (CATSNET, October 2013)



4.2.4. Top 10 Vegetable Export Destinations – Value

Country	2008	2009	2010	2011	2012
	CAD\$ (000)				
United States	947,603	948,191	1,037,472	1,032,272	1,028,814
Japan	6,709	9,208	6,282	8,406	5,249
Australia	0	46	3	4,566	1,464
China	123	455	2,979	762	1,312
France	5,094	528	1,502	2,970	1,148
Spain	209	102	70	90	953
Italy	131	443	122	72	823
Turkey	31	0	892	0	689
Brazil	109	7	0	0	645
Venezuela	134	325	644	181	623
Others	9,681	4,679	6,753	6,946	6,017
Total	969,822	963,983	1,056,719	1,056,265	1,047,736

Source: Statistics Canada. (CATSNET, October 2013)



4.2.5. Top Export Destinations by Province

Province	Export to top 5 countries	2008	2012
		CAD\$	
Newfoundland and Labrador	France	8,911	2,335
	Saint Pierre and Miquelon	6,808	0
	Total	15,719	2,335
Prince Edward Island	United States	456,831	712,952
	Trinidad and Tobago	0	44,000
	Bahamas	171,633	41,407
	Panama	9,063	8,138
	Jamaica	78,269	5,886
	Others	130,119	0
	Total	845,915	812,383
Nova Scotia	United States	17,066,563	14,667,642
	France	5,230	32,847
	Saint Pierre and Miquelon	5,220	555
	Japan	0	7
	Antigua and Barbuda	6,959	0
	Others	78,262	0
	Total	17,162,234	14,701,051
New Brunswick	United States	2,738,960	1,626,335
	Australia	0	1,464,447
	Saint Pierre and Miquelon	10,475	4,396
	Guyana	0	707
	Bahrain	0	186
	Others	4,909	84
	Total	2,754,344	3,096,155
Quebec	United States	116,202,230	137,163,050
	France	1,220,784	655,288
	Venezuela	97,661	192,047
	Trinidad and Tobago	357,796	72,866
	Jamaica	12,097	66,723
	Others	3,681,845	481,793
	Total	121,572,413	138,631,767
Ontario	United States	590,488,994	662,426,044
	Spain	46,957	828,970
	Italy	0	725,301
	Turkey	30,765	628,770
	South Africa	0	387,873
	Others	2,534,419	1,810,262
	Total	593,101,135	666,807,220

Source: Statistics Canada. (CATSNET, October 2013)



4.2.5. Top Export Destinations by Province (cont'd)

Province	Export to top 5 countries	2008	2012
		CAD\$	
Manitoba	United States	4,711,862	2,160,929
	Venezuela	0	290,918
	China	0	38,094
	Japan	15,100	32,953
	Bolivia	0	28,984
	Others	93,622	694
	Total	4,820,584	2,552,572
Saskatchewan	Japan	632,172	1,311,700
	China	0	1,042,219
	Brazil	16,715	644,881
	Thailand	0	536,756
	Belgium	282,105	399,946
	Others	2,671,051	2,054,567
	Total	3,602,043	5,990,069
Alberta	United States	9,491,816	7,752,020
	China	0	160,390
	Saint Pierre and Miquelon	20	250
	France	0	26
	Brazil	76,435	0
	Others	38,457	0
	Total	9,606,728	7,912,686
British Columbia	United States	205,136,150	202,112,628
	Japan	5,922,142	3,680,281
	Netherlands	706,306	578,083
	France	2,836,025	422,554
	Switzerland	461,884	199,592
	Others	1,278,384	227,740
	Total	216,340,891	207,220,878

Source: Statistics Canada. (CATSNET, October 2013)



4.3. IMPORTS

4.3.1. Canada's Fresh Vegetable Imports – Value

Commodity	2008	2009	2010	2011	2012
	CAD\$ (000)				
Lettuce	277,137	325,420	299,344	317,116	308,075
Tomatoes ¹	297,540	288,108	310,461	321,979	270,727
Peppers ¹	206,296	211,398	222,128	218,894	205,872
Cauliflower and broccoli	155,947	171,691	162,343	171,414	156,388
Onions and shallots ²	116,706	135,533	170,653	133,118	140,414
Carrots	132,799	132,879	116,051	124,854	114,667
Cabbage	140,983	144,556	126,996	128,161	113,030
Spinach ³	56,198	69,994	72,080	81,244	91,374
Asparagus	68,798	71,561	79,398	83,626	88,125
Peas ³	42,306	46,009	53,517	56,298	64,267
Beans ³	59,145	64,099	58,639	61,267	61,072
Corn ³	39,266	44,496	45,751	50,540	56,712
Celery	52,315	62,780	57,199	60,381	56,108
Cucumbers and gherkins ^{1,4}	55,091	51,711	55,450	59,066	53,432
Mushrooms ^{2,4}	39,804	39,572	39,726	48,634	40,072
Sweet potatoes	26,989	34,073	40,137	41,728	39,356
Garlic	20,588	26,402	39,549	39,134	36,709
Eggplant	19,876	20,898	20,651	23,167	24,169
Brussels sprouts	8,052	8,489	8,462	12,716	11,128
Leeks	6,458	5,716	5,664	6,782	5,783
Turnips	1,387	1,608	1,396	1,254	1,532
Leguminous vegetables ³	1,606	3,211	1,057	2,718	1,114
Other vegetables ^{2,3,4}	265,398	279,248	280,997	315,885	338,733
Total	2,090,684	2,239,453	2,267,649	2,359,976	2,278,860

Source: Statistics Canada. (CATSNET, July 2013)

Notes:

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



4.3.2. Canada's Fresh Vegetable Import – Volume

Commodity	2008	2009	2010	2011	2012
	Metric Tonnes				
Lettuce	172,071	180,408	187,375	196,744	200,938
Tomatoes ¹	194,486	191,792	193,511	193,869	193,459
Onions and shallots ²	153,159	168,638	167,703	183,587	180,632
Cauliflower and broccoli	157,607	153,210	158,143	164,111	168,154
Cabbage	173,895	162,547	170,835	173,835	158,125
Peppers ¹	109,437	112,462	111,476	118,823	119,374
Carrots	127,440	113,650	109,361	118,459	117,347
Celery	91,143	90,440	93,128	95,120	94,749
Corn ³	52,573	49,224	62,342	64,294	66,839
Sweet potatoes	28,042	35,778	52,863	60,654	54,625
Cucumbers and gherkins ^{1,4}	47,425	47,456	49,628	51,668	49,171
Spinach ³	26,238	28,402	31,549	35,662	37,984
Beans ³	35,129	34,081	30,813	31,389	32,946
Asparagus	20,838	20,506	22,682	24,278	23,591
Eggplant	17,161	19,961	20,166	18,809	22,156
Peas ³	15,801	14,354	19,406	21,678	21,690
Garlic	17,916	17,728	15,417	17,976	18,833
Mushrooms ^{2,4}	11,178	11,923	11,845	14,350	11,974
Brussels sprouts	4,477	4,826	4,342	4,894	6,447
Leeks	4,415	4,191	4,509	4,894	4,807
Turnips	1,838	1,765	1,645	1,784	1,853
Leguminous vegetables ³	713	1,380	489	1,272	591
Other vegetables ^{2,3,4}	182,058	184,642	199,788	210,576	219,615
Total	1,645,039	1,649,366	1,719,015	1,808,725	1,805,901

Source: Statistics Canada. (CATSNET, July 2013)

Notes:

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



4.3.3. Top 5 Vegetable Import Sources by Commodity – Value

Country	Commodity	2008	2009	2010	2011	2012
		CAD\$ (000)				
United States	Lettuce	275,323	322,798	296,833	314,393	305,811
	Cabbage	221,050	227,150	207,984	202,054	194,371
	Carrots	125,059	122,551	107,177	110,896	102,816
	Tomatoes	149,004	138,963	104,587	114,300	95,654
	Others	650,209	702,508	715,863	739,726	743,200
	Total	1,420,645	1,513,969	1,432,445	1,481,369	1,441,853
Mexico	Tomatoes	139,005	140,299	199,275	200,787	171,469
	Peppers	83,817	88,594	125,481	119,051	124,294
	Cucumbers	37,906	38,381	38,484	40,629	40,476
	Asparagus	20,588	24,660	30,351	34,639	38,861
	Others	131,197	151,370	163,684	191,313	182,606
	Total	412,514	443,304	557,277	586,419	557,707
China	Garlic	10,897	17,577	28,438	25,902	24,485
	Peas	10,575	8,969	12,565	8,865	10,474
	Mushrooms	6,292	6,016	6,126	7,577	6,230
	Carrots	1,595	2,253	1,651	4,137	3,208
	Others	43,543	47,556	47,001	53,303	56,097
	Total	72,903	82,372	95,780	99,785	100,494
Peru	Asparagus	30,032	32,792	33,982	34,168	32,991
	Onions and shallots	2,507	2,463	3,324	3,059	3,467
	Peas	482	1,072	1,295	1,502	1,702
	Sweet potatoes	0	3	0	78	138
	Others	215	712	1,291	1,897	2,074
	Total	33,236	37,042	39,892	40,704	40,371
Guatemala	Beans	3,415	4,072	5,094	5,501	6,819
	Peas	3,944	6,263	4,216	6,332	6,016
	Tomatoes	0	180	928	1,887	806
	Pumpkins, squash and gourds	0	0	0	0	799
	Others	1,630	2,021	2,665	3,565	2,558
	Total	8,990	12,536	12,902	17,286	16,998

Source: Statistics Canada. (CATSNET, October 2013)



4.3.4. Top 10 Vegetable Import Sources

Country	2008	2009	2010	2011	2012
	CAD\$ (000)				
United States	1,420,645	1,513,969	1,432,445	1,481,369	1,441,853
Mexico	412,514	443,304	557,277	586,419	557,707
China	72,903	82,372	95,780	99,785	100,494
Peru	33,236	37,042	39,892	40,704	40,371
Guatemala	8,990	12,536	12,902	17,286	16,998
Spain	23,676	21,087	21,802	21,143	14,236
Belgium	9,475	8,114	10,151	13,117	9,794
Dominican Republic	4,843	5,539	7,104	9,011	9,527
India	7,467	9,365	7,729	7,870	8,363
Honduras	5,913	6,883	4,767	6,602	6,797
Others	91,023	99,244	77,800	76,669	72,721
Total	2,090,684	2,239,453	2,267,649	2,359,976	2,278,860

Source: Statistics Canada. (CATSNET, October 2013)



4.3.5. Top Vegetable Import Sources by Province

Province	Top Import Sources	2008	2012
		CAD\$	
Newfoundland and Labrador	United States	61,905	0
	Total	61,905	0
Prince Edward Island	Barbados	0	60
	Total	0	60
Nova Scotia	Jamaica	579,297	1,116,645
	Poland	17,525	254,301
	Chile	79,062	108,919
	Israel	83,861	61,805
	Cuba	31,908	48,245
	Others	34,570	59,979
	Total	826,223	1,649,894
New Brunswick	United States	13,782,683	17,893,486
	Mexico	421,352	1,453,379
	Canada	121,035	213,091
	Honduras	4,444	95,191
	Peru	109,252	70,178
	Others	251,039	99,916
	Total	14,689,805	19,825,241
Quebec	United States	94,078,587	82,908,658
	China	15,491,302	16,459,821
	Spain	12,761,806	9,297,015
	Peru	6,206,271	7,030,031
	Belgium	6,491,292	6,568,177
	Others	39,167,143	33,174,473
	Total	174,196,401	155,438,175
Ontario	United States	783,597,507	770,993,869
	Mexico	264,090,183	366,704,599
	China	25,809,828	44,854,449
	Peru	18,495,249	24,796,043
	Guatemala	5,490,389	11,878,424
	Others	69,985,164	59,618,962
	Total	1,167,468,320	1,278,846,346

Source: Statistics Canada. (CATSNET, October 2013)



4.3.5. Top 5 Vegetable Import Sources by Province (cont'd)

Province	Top Import Sources	2008	2012
		CAD\$	
Manitoba	United States	33,939,495	37,907,776
	Mexico	6,183,899	7,712,017
	Peru	4,053,250	2,463,953
	Guatemala	84,578	112,268
	China	51,995	83,277
	Others	178,540	190,717
	Total	44,491,757	48,470,008
Saskatchewan	United States	22,130,383	23,105,721
	Mexico	2,371,033	6,701,759
	Peru	22,789	780,368
	Guatemala	998	47,718
	Nicaragua	0	41,436
	Others	89,844	107,864
	Total	24,615,047	30,784,866
Alberta	United States	184,846,492	174,878,466
	Mexico	55,951,000	69,743,991
	Peru	1,451,876	3,145,491
	Guatemala	175,024	1,737,360
	China	716,814	1,169,402
	Others	4,403,372	2,684,624
	Total	247,544,578	253,359,334
British Columbia	United States	288,197,544	334,151,475
	Mexico	80,061,247	100,857,929
	China	30,811,650	37,878,859
	Peru	2,897,186	2,084,849
	South Korea	1,564,987	2,029,315
	Others	13,257,817	13,483,538
	Total	416,790,431	490,485,965

Source: Statistics Canada. (CATSNET, October 2013)



5. Greenhouse Vegetable Trade

5.1. Greenhouse Vegetable Exports by Commodity

Commodity	2008	2009	2010	2011	2012
	Metric Tonnes				
Tomatoes	116,299	123,672	138,272	135,967	131,845
Cucumbers	50,090	46,941	52,745	56,737	60,241
Peppers	46,901	50,930	62,875	54,528	65,377
Total	213,291	221,543	253,893	247,233	257,463
CAD\$ (000)					
Tomatoes	281,266	281,083	304,683	292,709	265,396
Cucumbers	86,458	93,517	94,051	112,693	108,824
Peppers	174,710	169,563	219,238	185,036	204,582
Total	542,435	544,163	617,971	590,438	578,802

Source: Statistics Canada. (CATSNET, July 2013)

5.2. Greenhouse Vegetable Imports by Commodity

Commodity	2008	2009	2010	2011	2012
	Metric Tonnes				
Tomatoes	53,558	59,912	55,273	58,311	57,006
Cucumbers	15,370	13,441	17,288	16,121	15,704
Peppers	22,237	23,551	24,964	27,490	30,769
Cabbage lettuce	2,745	2,239	1,589	1,355	199
Lettuce	641	430	299	273	258
Total	94,551	99,572	99,412	103,550	103,936
CAD\$ (000)					
Tomatoes	109,273	108,345	120,078	132,775	123,062
Cucumbers	25,254	19,629	27,238	26,474	21,603
Peppers	66,388	69,521	73,250	75,034	77,566
Cabbage lettuce	4,286	4,091	2,435	2,102	197
Lettuce	1,376	866	646	443	353
Total	206,577	202,452	223,646	236,829	222,780

Source: Statistics Canada. (CATSNET, July 2013)



6. Availability for Consumption

6.1. Fresh Vegetables Available for Consumption in Canada

Commodity	2008	2009	2010	2011	2012
	(kg per person)				
Onions and shallots, fresh	7.92	9.08	7.88	9.23	9.47
Lettuce, fresh	9.65	9.40	9.60	9.76	9.36
Carrots, fresh	7.73	7.19	7.99	8.47	8.85
Tomatoes, fresh	7.69	7.77	7.58	8.76	8.62
Cabbage, fresh	4.90	5.16	4.99	5.35	5.64
Cucumbers, fresh	4.75	4.63	5.10	5.42	4.98
Peppers, fresh	4.35	4.35	4.05	4.46	4.71
Corn, fresh	3.45	3.26	3.45	3.69	3.58
Pumpkins and squash, fresh	2.85	3.09	3.03	3.39	3.51
Celery, fresh	3.27	3.32	3.32	3.17	3.13
Cauliflower, fresh	2.32	2.57	2.78	2.79	2.79
Broccoli, fresh	2.89	2.89	2.66	2.38	2.52
Sweet potatoes, fresh	0.80	1.01	1.47	1.49	1.43
Mushrooms, fresh	1.90	1.53	1.44	1.50	1.29
Beans, green and wax, fresh	0.97	0.98	0.93	0.96	1.02
Rutabagas and turnips, fresh	0.92	1.09	1.30	1.39	1.00
Chinese cabbage, fresh	0.80	0.85	0.83	0.91	0.93
Spinach, fresh	0.59	0.66	0.73	0.75	0.82
Asparagus, fresh	0.63	0.70	0.71	0.75	0.71
Beets, fresh	0.32	0.50	0.51	0.61	0.65
Radishes, fresh	0.55	0.65	0.66	0.62	0.64
Eggplants, fresh	0.46	0.53	0.51	0.47	0.56
Garlic, fresh	0.44	0.44	0.39	0.46	0.46
Other edible roots, fresh	0.40	0.43	0.46	0.50	0.42
Kohlrabi, fresh	0.23	0.25	0.34	0.37	0.40
Leeks, fresh	0.26	0.27	0.29	0.29	0.36
Peas, fresh	0.29	0.32	0.28	0.29	0.28
Parsley, fresh	0.26	0.25	0.25	0.25	0.28
Brussels sprouts, fresh	0.16	0.14	0.15	0.20	0.20

Source: Statistics Canada. (CANSIM Table 002-0011)

Note:

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



6.1. Fresh Vegetables Available for Consumption in Canada (cont'd)

Commodity	2008	2009	2010	2011	2012
	(kg per person)				
Parsnips, fresh	0.10	0.13	0.13	0.17	0.20
Rapini, fresh	0.18	0.16	0.17	0.16	0.15
Okra, fresh	0.09	0.10	0.11	0.11	0.13
Manioc (cassava), fresh	0.08	0.09	0.09	0.09	0.11
Artichokes, fresh	0.08	0.05	0.06	0.05	0.06
Olives, fresh	0.01	..	0.01	0.01	0.01

Source: Statistics Canada. (CANSIM Table 002-0011)

Notes:

.. Data not available.

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



7. World Production

7.1. World Vegetable Production by Commodity

Commodity	2007	2008	2009	2010	2011
	Metric Tonnes				
Tomatoes	137,858,813	141,224,118	154,569,777	152,171,087	159,347,031
Watermelons	94,167,916	94,660,994	98,750,037	101,337,878	102,889,076
Onions and shallots	77,174,108	78,665,325	77,801,243	82,927,795	90,621,469
Cabbage	62,238,373	64,860,623	64,230,720	64,361,045	68,584,199
Cucumbers and gherkins	54,159,193	58,515,139	60,880,216	62,730,456	64,667,531
Eggplant	37,618,495	39,808,817	43,160,195	44,277,159	46,825,331
Carrots and turnips	29,646,646	32,946,244	33,656,067	33,585,580	35,762,080
Other melons	28,465,161	30,019,581	26,068,889	30,881,447	31,254,762
Peppers, green	27,309,395	27,953,221	28,743,984	29,185,166	29,601,175
Lettuce and chicory	23,652,198	23,731,640	23,871,940	24,334,333	24,489,059
Pumpkins, squash and gourds	21,547,808	21,851,528	22,438,883	23,053,820	24,256,767
Garlic	20,085,076	22,790,483	22,010,249	22,592,838	23,769,746
Beans, green	20,031,047	21,006,124	21,100,487	21,760,786	22,066,715
Spinach	16,101,669	18,831,055	19,698,054	20,235,849	20,980,488
Cauliflower and broccoli	18,327,765	18,785,478	19,756,574	20,124,709	20,884,672
Peas	14,818,568	15,024,614	15,787,264	16,343,876	17,371,178
Corn	9,514,302	9,436,867	9,381,687	8,922,056	8,955,852
Asparagus	7,089,372	7,205,349	7,359,109	7,482,858	8,197,321
Okra	6,548,102	6,436,274	6,808,587	7,078,326	8,060,062
Mushrooms and truffles	5,988,612	6,801,565	7,173,819	7,450,299	7,719,364
Leeks, other alliaceous veg	2,023,081	2,093,696	2,118,151	2,108,877	2,120,756
Artichokes	1,489,197	1,483,172	1,502,970	1,446,849	1,550,136

Source: FAOSTAT (September 2013)



8. World Trade

8.1. Top 10 Importers of Vegetables¹ Worldwide

Country	2008	2009	2010	2011	2012
	CAD\$ (000)				
United States	5,511,925	5,767,099	6,285,410	6,648,718	6,798,283
Germany	5,942,303	5,891,351	5,855,573	5,560,450	5,375,540
United Kingdom	4,182,493	3,726,633	3,622,920	3,606,106	3,582,485
France	3,208,062	3,150,688	3,069,404	2,891,336	2,913,978
Japan	1,654,239	1,777,012	2,037,270	2,261,075	2,483,266
Canada	2,094,290	2,242,334	2,270,401	2,363,213	2,282,232
Russia	1,595,309	1,683,328	1,964,830	2,269,325	2,180,093
Netherlands	2,047,194	1,906,087	1,931,372	1,907,143	1,908,540
China	442,370	1,035,182	1,277,806	1,404,933	1,825,160
Belgium	1,506,661	1,445,044	1,279,829	1,367,091	1,385,515
Others	11,715,940	11,811,245	12,497,750	12,654,210	12,381,753
Total	39,900,785	40,436,003	42,092,564	42,933,600	43,116,845

Source: Global Trade Atlas. (September 2013)

Note:

1. Includes leguminous, dried and frozen vegetables. Does not include mushroom data.

8.2. Top 10 Exporters of Vegetables¹ Worldwide

Country	2008	2009	2010	2011	2012
	CAD\$ (000)				
China	3,544,284	4,406,016	6,723,691	7,521,636	5,760,686
Netherlands	6,300,994	6,007,218	6,171,526	5,695,008	5,727,140
Spain	5,643,275	6,174,725	5,395,648	5,337,635	5,304,076
Mexico	3,942,491	4,275,456	4,294,738	4,780,238	4,711,953
United States	2,778,529	2,922,125	2,973,580	3,020,705	2,998,410
Belgium	2,409,599	2,410,697	2,201,173	2,067,398	2,135,453
France	1,803,999	1,774,488	1,668,278	1,650,242	1,623,002
Italy	1,441,636	1,467,482	1,658,772	1,520,988	1,467,801
Thailand	734,114	891,712	1,049,740	1,197,491	1,321,827
Canada	1,046,259	1,046,503	1,166,736	1,163,030	1,134,432
Others	8,383,477	8,399,233	8,351,713	8,487,819	8,424,062
Total	38,028,657	39,775,656	41,655,595	42,442,190	40,608,842

Source: Global Trade Atlas. (September 2013)

Note:

1. Includes leguminous, dried and frozen vegetables. Does not include mushroom data.



8.3. Top 10 Vegetable¹ Imports Worldwide

Commodity	2008	2009	2010	2011	2012
	CAD\$ (000)				
Tomatoes	7,474,176	7,700,787	7,946,930	7,840,460	7,769,047
Cucumbers and gherkins	1,964,237	2,044,390	2,070,504	1,899,781	2,108,465
Onions and shallots	2,050,718	1,917,752	2,461,807	2,435,159	1,956,685
Garlic	965,362	1,136,085	1,800,253	1,753,358	1,447,084
Lettuce	1,130,243	1,248,416	1,214,123	1,161,413	1,277,729
Asparagus	996,741	1,026,645	1,069,145	1,091,276	1,147,890
Carrots and turnips	1,009,163	1,071,351	938,157	1,032,128	1,032,046
Mushrooms	1,043,849	994,515	980,797	986,096	949,878
Cauliflower and headed broccoli	734,967	790,932	816,305	818,765	867,678
Cabbage	905,935	859,473	901,474	810,269	867,561
Others	5,808,830	5,891,790	6,073,420	6,094,460	5,161,135
Total²	24,084,222	24,682,135	26,272,915	25,923,166	24,585,199

Source: Global Trade Atlas. (September 2013)

Notes:

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

2. Not equal to total found in Table 8.1, as leguminous, dried and frozen vegetables were not considered.

8.4. Top 10 Vegetable¹ Exports Worldwide

Commodity	2008	2009	2010	2011	2012
	CAD\$ (000)				
Tomatoes	7,204,589	7,205,968	7,544,851	7,558,144	7,380,705
Onions and shallots	2,296,632	2,414,730	2,827,448	2,580,494	2,281,251
Garlic	1,126,800	1,722,215	3,100,229	2,756,870	1,935,959
Cucumbers and gherkins	2,018,375	1,915,054	1,767,401	1,676,469	1,902,913
Mushrooms	1,664,228	1,607,750	1,553,665	1,569,438	1,555,448
Lettuce	994,428	1,064,168	1,076,270	1,024,103	1,148,448
Cauliflower and headed broccoli	979,655	1,103,054	1,093,371	1,090,949	1,059,232
Asparagus	791,192	892,244	929,219	950,477	1,039,847
Carrots and turnips	986,682	1,050,847	902,883	1,011,304	1,021,667
Cabbage	907,130	914,241	951,950	781,341	852,954
Others	3,370,062	3,454,526	3,458,583	3,581,856	4,451,261
Total²	22,339,773	23,344,796	25,205,870	24,581,444	24,629,686

Source: Global Trade Atlas. (September 2013)

Notes:

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

2. Not equal to total found in Table 8.2, as leguminous, dried and frozen vegetables were not considered.



9. Key Resources

Euromonitor International

FAOSTAT

Global Trade Atlas

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 004-0003

Statistics Canada. CATSNET