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## **Statistical Overview of the Canadian Greenhouse Vegetable Industry** **2019**

Prepared by:  
Crops and Horticulture Division  
Agriculture and Agri-Food Canada  
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## Table of contents

<b>Overview</b> .....	<b>1</b>
<b>1. Production</b> .....	<b>3</b>
1.1. Number of greenhouse vegetable operations by province .....	3
1.2. Harvested area of greenhouse vegetables by province (square metres) .....	3
1.3. Harvested area of greenhouse vegetables by province – percent share, 2019 .....	4
1.4. Harvested area of greenhouse vegetables by commodity (square metres) .....	4
1.5. Harvested area of greenhouse vegetables by commodity – percent share, 2019 .....	5
1.6. Greenhouse vegetable production by province (metric tonnes) .....	5
1.7. Greenhouse vegetable production by province – percent share, 2019 .....	6
1.8. Greenhouse vegetable production by commodity (metric tonnes) .....	6
1.9. Farm gate value of greenhouse vegetables by province (thousands of Canadian dollars) ..	7
1.10. Farm gate value of greenhouse vegetables by commodity (thousands of Canadian dollars) .....	7
<b>2. Labour</b> .....	<b>8</b>
2.1. Total number of employees of specialized greenhouse vegetable operations .....	8
<b>3. Trade</b> .....	<b>9</b>
3.1. Canadian greenhouse vegetable trade balance (thousands of Canadian dollars) .....	9
3.2. Exports .....	9
3.2.1. Canada's greenhouse vegetable exports by commodity – value (thousands of Canadian dollars) .....	9
3.2.2. Canada's greenhouse vegetable exports by commodity – volume (metric tonnes) .....	9
3.2.3. Canada's greenhouse vegetable exports by province – value (thousands of Canadian dollars) .....	10
3.2.4. Canada's greenhouse vegetable exports by province – volume (metric tonnes) .....	10
3.2.5. Greenhouse vegetable destinations by commodity – value (thousands of Canadian dollars) .....	11
3.2.6. Greenhouse vegetable destinations by commodity – volume (metric tonnes) .....	12
3.3. Imports .....	13
3.3.1. Canada's greenhouse vegetable imports by commodity – value (thousands of Canadian dollars) .....	13
3.3.2. Canada's greenhouse vegetable imports by commodity – volume (metric tonnes) .....	13
3.3.3. Greenhouse vegetable import sources – value (thousands of Canadian dollars) .....	14
3.3.4. Greenhouse vegetable import sources – volume (metric tonnes) .....	15
<b>4. Key Resources</b> .....	<b>16</b>

# Overview

The Canadian greenhouse vegetable sector is the largest and fastest growing segment of Canadian horticulture. Greenhouse farming produces agricultural products in self-contained 'controlled environments' with systems supplying heat, water, and nutrients, and often employing artificial lighting (in addition to sunlight) to nourish the plants. This method of farming requires investment in infrastructure and a strong understanding of the technology. In the early 1990s, Canada emerged as the leading producer of greenhouse products in North America. While the United States and Mexico later became important greenhouse producers as well, greenhouse production seasons vary between countries and regions. Canada is also the only North American country with annual government statistics on greenhouse production.

The increased demand from Canadian and American consumers for a wide variety of fresh year-round produce is the main factor behind the growth of the greenhouse industry in North America. To meet steady demand, retailers are increasingly demanding consistent year-round volumes from their suppliers. As a result, individual marketers, with varying degrees of vertical integration, have developed their own grower/customer relationships and brand identities both in the U.S. and Canadian markets. Marketers use a variety of partnerships, investments, and construction of their own growing and packing facilities to ensure they can meet demand from geographically-diverse sources across the continent. Greenhouse products with features of sustained predictable availability, high quality, and more varieties have taken a dominant market share in the fresh vegetable markets at the retail level. Greenhouse peppers, cucumbers and a wide variety of tomatoes (cluster, grape, cherry) are now widely available at retail throughout Canada and the U.S. throughout the year.

Production of greenhouse vegetables is scheduled so that new plants come into production when domestic field crops are still months away. Around early December, after an annual complete cleaning of the greenhouse and removal of all previous plant material, new plantlets are brought in from a propagator and placed along rows of growing media. In mid-winter, as days start getting longer, production begins and continues through the summer and fall. In late November or December, when natural light levels are near their lowest and heating costs are highest, production stops and the annual clean-out/sterilization of the greenhouse takes place to get ready for the next cycle. For plants requiring pollination such as tomatoes, boxes of bumblebees are placed in the greenhouse for the season.

Canadian greenhouse vegetable growers use both seasonal and permanent employees. Seasonal employees are employees who work less than eight months during the year, while permanent employees work more than eight months during the year. The total number of employees of specialized greenhouse operations has been relatively stable over the past five years. In 2019, 12,492 people were employed in the greenhouse vegetable sector: 7,347 permanent employees and 5,145 seasonal employees. Ontario accounted for 66% of the total number of greenhouse employees in Canada.

In 2019, there were a total of 838 commercial greenhouse vegetable operations with 17.6 million square metres of production area which produced nearly 664,450 metric tons of vegetables. There has been a steady increase in greenhouse vegetable production in Canada and it is anticipated that acreages in greenhouse vegetable production will continue to grow. The acreage has increased 21% over the last five year and 48% over the last decade. Ontario continued to lead the greenhouse vegetable sector in 2019, representing 69% of the total production in Canada, followed by British Columbia and Quebec, with 18% and 6% respectively.

Canada's greenhouse vegetable growers produce tomatoes, cucumbers, lettuce, bell-peppers, green/yellow beans, eggplants and various herbs and microgreen vegetables. Of these commodities, tomatoes, cucumbers, and peppers are the main greenhouse vegetable crops grown in Canada. Tomatoes accounted for 37% of the total greenhouse vegetable sales, followed by cucumbers and peppers, which accounted for 31% and 28%, respectively. Total sales of greenhouse fruit and vegetables rose 5% to reach nearly \$1.6 billion in 2019 - continuing the annual increases that began in 2013. Greenhouse



cucumbers continued to show strong sales and production numbers for 2019, with sales increasing 10% to \$485 million.

The value of greenhouse vegetable exports rose 11% from 2018 to reach over \$1.1 billion in 2019, exceeding the \$1-billion milestone for the second consecutive year. The value of greenhouse vegetable exports is the highest of all fresh produce (fruits, greenhouse vegetables, mushrooms, field vegetables, and potatoes) in Canada, accounting for 49% of all fresh produce exports. Greenhouse peppers accounted for 38% of the total value of exports, followed by greenhouse tomatoes with 35% and by cucumbers and gherkins with 27%. The value of pepper exports rose 19% from 2018, surpassing the value of tomato exports which was the top greenhouse export in 2018.

The United States has been Canada's main export destination for greenhouse vegetables over several years. In 2019, the value of exports to the United States accounted for 99% of all Canadian greenhouse vegetable exports.

In 2019, Canada imported \$331 million worth of greenhouse vegetables (tomatoes, peppers, cucumbers, and lettuce). The top two greenhouse vegetable import sources were Mexico, accounting for 83%, and the United States, accounting for 13%. In terms of value, peppers (45%) are the largest imported commodity, followed by tomatoes (41%) and cucumbers (15%).

As a result of the COVID-19 pandemic, greenhouse facilities in Canada faced business disruptions due to outbreaks and public health mandated closures to production facilities. While the sector proved to be resilient, concerns regarding the availability and access to agricultural labour for the 2020/2021 crop remain front and centre. Notably, temporary foreign workers (TFWs) have become a vital part of the workforce for many agricultural employers. The greenhouse sector in particular relies on TFWs for about one-third of its workforce due to its extended production cycle. Greenhouse crops tend to have the longest production cycle of all horticultural crops, with planting and harvesting occurring almost continuously from January to December.



# 1. Production

## 1.1. Number of greenhouse vegetable operations<sup>1</sup> by province

	2015	2016	2017	2018	2019
Atlantic provinces <sup>2</sup>	54	52	52	51	49
Quebec	242	247	250	238	235
Ontario	315	323	330	325	315
Prairie provinces <sup>2</sup>	100	107	101	102	94
British Columbia	150	160	154	150	145
<b>Canada</b>	<b>861</b>	<b>894</b>	<b>889</b>	<b>866</b>	<b>838</b>

Notes:

1. Number of operations represents the number of specialized greenhouse vegetable and fruit operations and includes all other types of enclosed protection used for growing plants, such as rigid insulation, mine shafts, barns and shelters. Mixed operations (vegetables, flowers and plants) are excluded.

2. Due to confidentiality reasons, provincial breakdowns for Atlantic and Prairie provinces are not shown.

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

## 1.2. Harvested area of greenhouse vegetables by province (square metres)

	2015	2016	2017	2018	2019
Newfoundland and Labrador	5,132	647	5,900	6,539	5,257
Prince Edward Island	F/x	F/x	13,531	14,935	12,169
Nova Scotia	77,992	F/x	83,556	82,265	87,282
New Brunswick	5,042	121	4,086	4,617	6,983
Quebec	951,534	915,475	1,145,549	1,228,400	1,274,804
Ontario	10,061,143	10,972,697	11,670,213	12,194,927	12,395,943
Manitoba	5,245	496	6,955	8,287	11,530
Saskatchewan	14,139	2,003	15,954	17,300	13,089
Alberta	544,222	547,626	670,984	719,049	741,985
British Columbia	2,881,096	3,088,435	3,222,661	3,136,709	3,032,257
<b>Canada<sup>1</sup></b>	<b>14,592,933</b>	<b>15,928,094</b>	<b>16,878,194</b>	<b>17,430,846</b>	<b>17,613,713</b>

Notes:

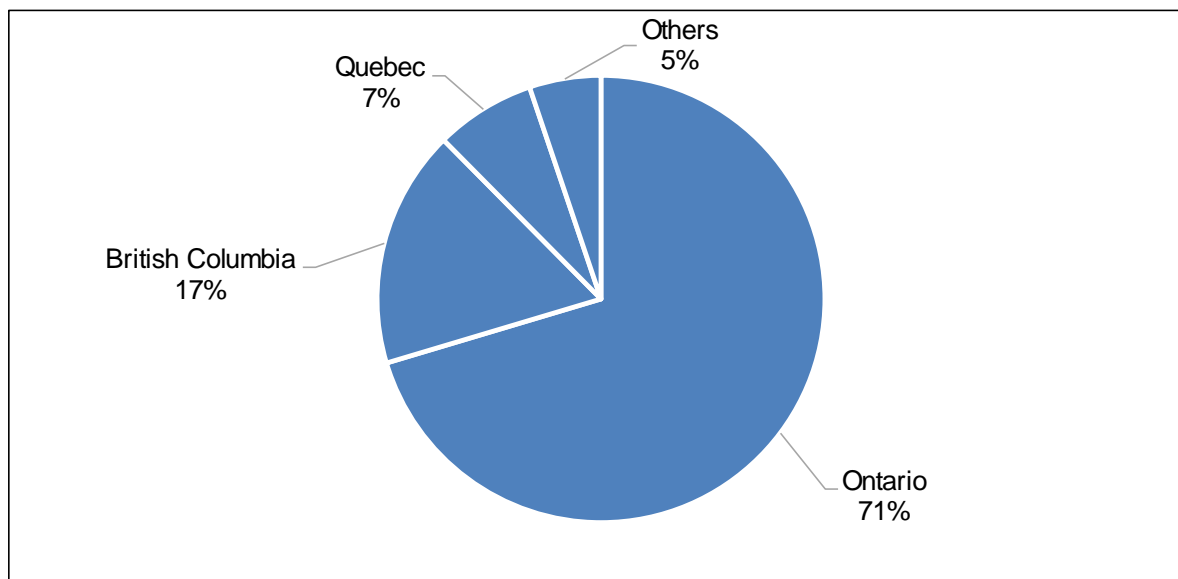
1. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.

F/x: Too unreliable to be published or suppressed to meet the confidentiality requirements of the Statistics Act.

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



### 1.3. Harvested area of greenhouse vegetables by province – percent share, 2019



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

### 1.4. Harvested area of greenhouse vegetables by commodity (square metres)

	2015	2016	2017	2018	2019
Tomatoes	5,513,837	5,990,278	6,356,198	6,579,782	6,459,296
Peppers	4,940,683	5,385,939	5,625,383	5,615,729	5,574,511
Cucumbers	3,739,159	4,005,746	4,321,832	4,559,877	4,841,470
Lettuce	187,343	174,696	209,183	236,813	317,382
Eggplants	..	90,123	109,631	110,519	107,706
Fine herbs		26,922	90,429	69,737	103,655
Other fruits or vegetables	211,911	194,393	85,214	131,831	97,715
Microgreens and shoots	..	..	16,773	69,479	59,480
Chinese vegetables	..	55,471	48,740	43,396	37,850
Beans (green and wax)	..	4,526	6,630	6,998	8,914
Sprouts	..	..	8,181	6,685	5,734
<b>Total</b>	<b>14,592,933</b>	<b>15,928,094</b>	<b>16,878,194</b>	<b>17,430,846</b>	<b>17,613,713</b>

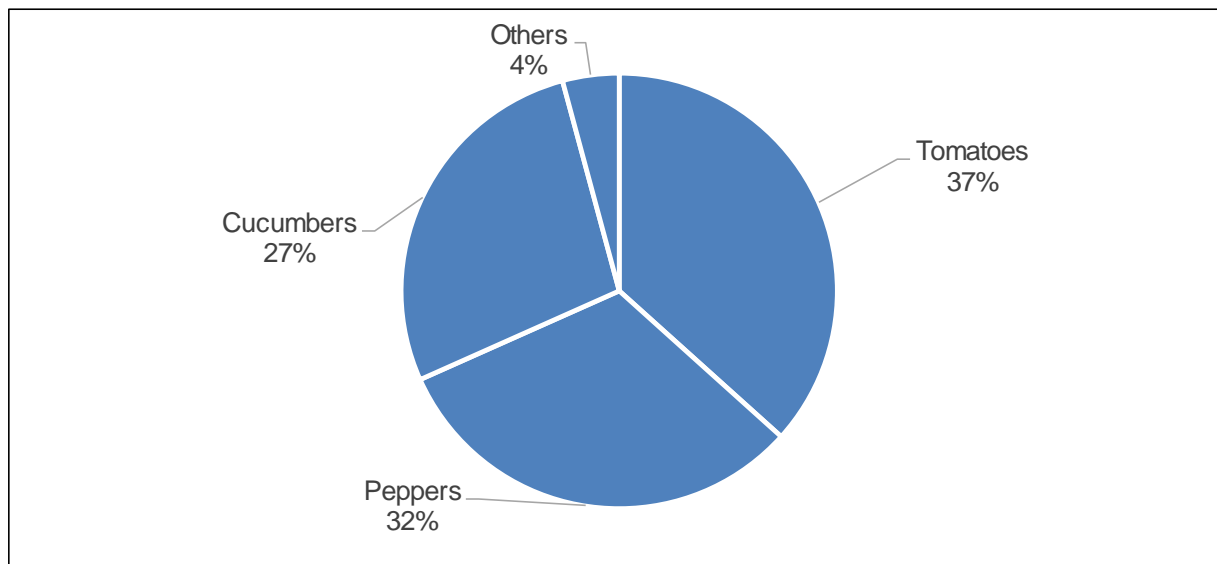
Note:

.. : Not available for a specific reference period.

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



### 1.5. Harvested area of greenhouse vegetables by commodity – percent share, 2019



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

### 1.6. Greenhouse vegetable production by province (metric tonnes)

	2015	2016	2017	2018	2019
Newfoundland and Labrador	10	3	8	14	25
Prince Edward Island	F/x	F/x	2	448	407
Nova Scotia	3,090	1,248	2,914	2,872	3,088
New Brunswick	29	1	F/x	45	304
Quebec	6,110	27,938	38,772	41,333	40,995
Ontario	420,081	424,451	438,680	452,009	461,296
Manitoba	152	3	186	205	218
Saskatchewan	189	22	224	209	175
Alberta	22,195	23,150	33,170	37,161	37,844
British Columbia	114,652	90,881	120,864	123,000	119,682
<b>Canada<sup>2</sup></b>	<b>587,825</b>	<b>604,990</b>	<b>636,723</b>	<b>660,259</b>	<b>664,449</b>

Notes:

1. Does not include lettuce in 2015.

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

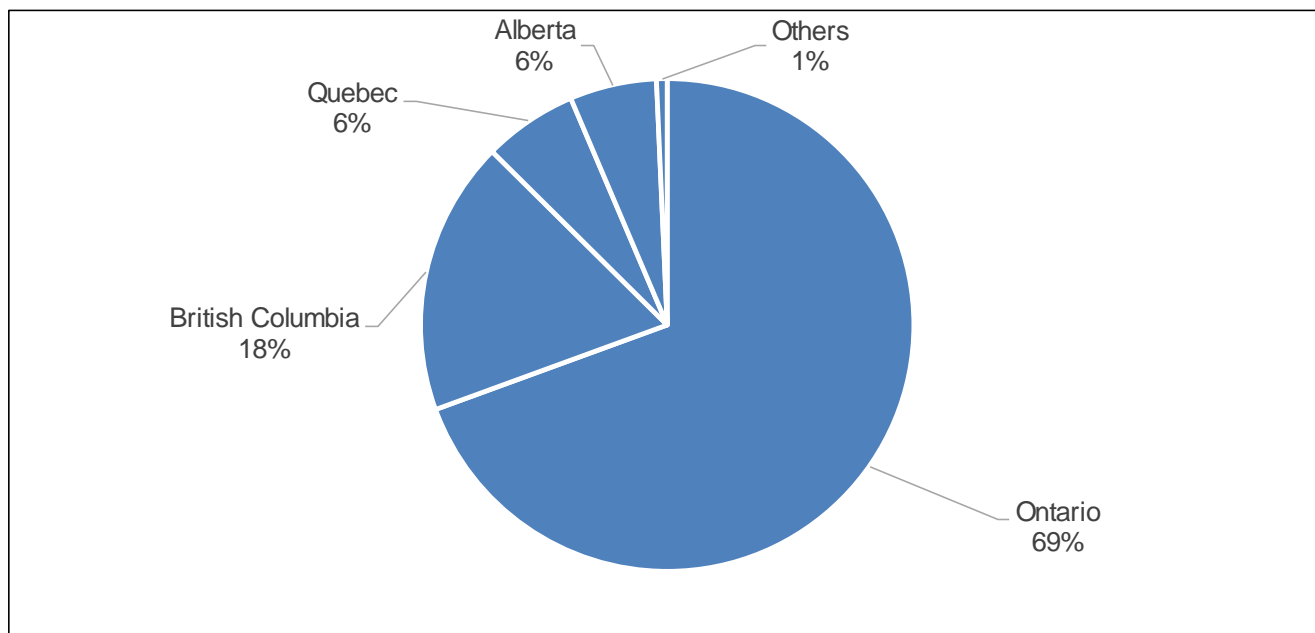
F/x: Too unreliable to be published or suppressed to meet the confidentiality requirements of the Statistics Act.

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





### 1.7. Greenhouse vegetable production by province – percent share, 2019



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

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

	2015	2016	2017	2018	2019
Tomatoes	261,677	271,006	279,494	279,433	269,659
Cucumbers	186,306	189,704	206,227	228,764	240,451
Peppers	134,644	135,657	139,060	139,153	140,745
Lettuce	5,198	4,876	6,256	7,049	8,302
Eggplants	..	2,904	3,456	3,476	3,036
Fine herbs	..	219	755	572	938
Microgreens and shoots	..	..	164	919	569
Chinese vegetables	..	587	495	442	368
Sprouts	..	..	776	405	337
Beans (green and wax)	..	36	40	47	45
<b>Total</b>	<b>587,825</b>	<b>604,990</b>	<b>636,723</b>	<b>660,259</b>	<b>664,449</b>

Note:

.. : Not available for a specific reference period.

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



### 1.9. Farm gate value of greenhouse vegetables by province (thousands of Canadian dollars)

	2015	2016	2017	2018	2019
Newfoundland and Labrador	145	42	141	94	133
Prince Edward Island	F/x	F/x	8	1,897	1,902
Nova Scotia	8,433	8,012	7,516	4,793	9,227
New Brunswick	244	29	115	189	1,073
Quebec	36,568	98,861	128,839	143,496	148,162
Ontario	831,591	859,787	917,857	955,527	1,032,326
Manitoba	609	82	975	1,201	1,511
Saskatchewan	1,386	715	708	1,415	952
Alberta	53,584	54,689	69,386	81,003	85,256
British Columbia	296,577	294,435	289,930	296,885	305,413
<b>Canada<sup>1</sup></b>	<b>1,295,856</b>	<b>1,331,163</b>	<b>1,437,089</b>	<b>1,512,118</b>	<b>1,587,417</b>

Notes:

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

F/x: Too unreliable to be published or suppressed to meet the confidentiality requirements of the Statistics Act.

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

### 1.10. Farm gate value of greenhouse vegetables by commodity (thousands of Canadian dollars)

	2015	2016	2017	2018	2019
Tomatoes	514,251	537,032	555,196	569,574	588,519
Cucumbers	316,495	336,050	395,760	443,018	485,815
Peppers	420,539	409,980	421,873	428,451	441,680
Lettuce	28,769	27,366	32,036	33,941	35,396
Eggplants	..	7,757	11,531	11,727	10,561
Fine herbs	0	3,559	8,576	7,066	10,349
Other fruits or vegetables	15,802	7,839	6,047	7,459	7,190
Microgreens and shoots	..	..	3,585	8,384	5,684
Chinese vegetables	..	1,226	1,180	1,076	930
Sprouts	..	..	993	1,014	896
Beans (green and wax)	..	353	313	406	399
<b>Total</b>	<b>1,295,856</b>	<b>1,331,163</b>	<b>1,437,089</b>	<b>1,512,118</b>	<b>1,587,417</b>

Note:

.. : Not available for a specific reference period.

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



## 2. Labour

### 2.1. Total number of employees of specialized greenhouse vegetable operations

		2015	2016	2017	2018	2019
<b>Atlantic provinces</b>	Seasonal employees <sup>1</sup>	63	47	81	90	77
	Permanent employees <sup>2</sup>	58	56	83	89	119
	<b>Total employees</b>	<b>121</b>	<b>103</b>	<b>164</b>	<b>179</b>	<b>196</b>
<b>Quebec</b>	Seasonal employees <sup>1</sup>	467	549	463	404	400
	Permanent employees <sup>2</sup>	800	758	800	824	789
	<b>Total employees</b>	<b>1,267</b>	<b>1,307</b>	<b>1,263</b>	<b>1,228</b>	<b>1,189</b>
<b>Ontario</b>	Seasonal employees <sup>1</sup>	3,380	3,231	3,550	3,694	3,742
	Permanent employees <sup>2</sup>	3,400	4,183	4,438	4,352	4,533
	<b>Total employees</b>	<b>6,780</b>	<b>7,414</b>	<b>7,988</b>	<b>8,046</b>	<b>8,275</b>
<b>Prairie provinces</b>	Seasonal employees <sup>1</sup>	120	129	183	161	157
	Permanent employees <sup>2</sup>	385	373	669	680	701
	<b>Total employees</b>	<b>505</b>	<b>502</b>	<b>852</b>	<b>841</b>	<b>858</b>
<b>British Columbia</b>	Seasonal employees <sup>1</sup>	940	846	1,033	980	769
	Permanent employees <sup>2</sup>	1,265	1,311	1,268	1,151	1,205
	<b>Total employees</b>	<b>2,205</b>	<b>2,157</b>	<b>2,301</b>	<b>2,131</b>	<b>1,974</b>
<b>Canada</b>	Seasonal employees <sup>1</sup>	4,970	4,805	5,310	5,329	5,145
	Permanent employees <sup>2</sup>	5,908	6,701	7,254	7,096	7,347
	<b>Total employees</b>	<b>10,878</b>	<b>11,506</b>	<b>12,564</b>	<b>12,425</b>	<b>12,492</b>

Notes:

1. Seasonal employees who worked less than 8 months during the year.
2. Permanent employees who worked more than 8 months during the year.

Source: Statistics Canada. Table 32-10-0028-01 Total number of employees of specialized greenhouse operations



## 3. Trade

### 3.1. Canadian greenhouse vegetable trade balance (thousands of Canadian dollars)

	2015	2016	2017	2018	2019
Exports	827,500	862,769	964,121	1,001,911	1,107,804
Import	369,810	460,392	383,735	332,631	331,112
<b>Trade Balance (Exports - Imports)</b>	<b>457,689</b>	<b>402,377</b>	<b>580,386</b>	<b>669,280</b>	<b>776,692</b>

Source: Statistics Canada (CATSNET, November 2020)

### 3.2. Exports

#### 3.2.1. Canada's greenhouse vegetable exports by commodity – value (thousands of Canadian dollars)

	2015	2016	2017	2018	2019
Peppers	329,947	317,935	331,568	352,869	420,415
Tomatoes	311,310	341,598	391,123	368,492	385,558
Cucumbers and gherkins	186,242	203,236	241,431	280,549	301,831
<b>Total</b>	<b>827,500</b>	<b>862,769</b>	<b>964,121</b>	<b>1,001,911</b>	<b>1,107,804</b>

Source: Statistics Canada (CATSNET, November 2020)

#### 3.2.2. Canada's greenhouse vegetable exports by commodity – volume (metric tonnes)

	2015	2016	2017	2018	2019
Tomatoes	125,327	140,083	152,617	138,161	138,555
Cucumbers and gherkins	93,631	96,310	104,038	114,215	118,594
Peppers	82,317	83,114	83,582	83,338	94,022
<b>Total</b>	<b>301,275</b>	<b>319,507</b>	<b>340,237</b>	<b>335,714</b>	<b>351,171</b>

Source: Statistics Canada (CATSNET, November 2020)



### 3.2.3. Canada's greenhouse vegetable exports by province – value (thousands of Canadian dollars)

	2015	2016	2017	2018	2019
Prince Edward Island	0	7	0	0	0
Nova Scotia	3	1	0	2	2
New Brunswick	3	8	2	3	6
Québec	5,766	6,970	11,616	17,775	18,549
Ontario	654,262	684,573	788,194	819,996	920,164
Manitoba	0	0	0	6	8
Alberta	378	620	4,687	9,484	4,725
British Columbia	167,087	170,591	159,622	154,646	164,351
<b>Total</b>	<b>827,500</b>	<b>862,769</b>	<b>964,121</b>	<b>1,001,911</b>	<b>1,107,804</b>

Source: Statistics Canada (CATSNET, November 2020)

### 3.2.4. Canada's greenhouse vegetable exports by province – volume (metric tonnes)

	2015	2016	2017	2018	2019
Prince Edward Island	0	2	0	0	0
Nova Scotia	1	0	0	1	1
New Brunswick	1	2	1	1	2
Québec	4,370	4,394	4,906	5,185	4,839
Ontario	247,821	264,352	283,369	283,112	296,985
Manitoba	0	0	0	6	3
Alberta	206	354	2,263	4,376	2,570
British Columbia	48,876	50,402	49,699	43,034	46,773
<b>Total</b>	<b>301,275</b>	<b>319,507</b>	<b>340,237</b>	<b>335,714</b>	<b>351,171</b>

Source: Statistics Canada (CATSNET, November 2020)



### 3.2.5. Greenhouse vegetable destinations by commodity – value (thousands of Canadian dollars)

		2015	2016	2017	2018	2019
<b>United States</b>	Peppers	329,693	317,559	330,817	352,053	419,512
	Tomatoes	309,363	337,592	385,920	362,467	381,081
	Cucumbers and gherkins	186,202	203,208	241,418	280,520	301,814
	<b>Total</b>	<b>825,258</b>	<b>858,359</b>	<b>958,155</b>	<b>995,040</b>	<b>1,102,407</b>
<b>Japan</b>	Tomatoes	1,539	3,442	4,381	5,267	3,500
	Peppers	0	15	337	574	672
	Cucumbers and gherkins	17	0	0	0	0
	<b>Total</b>	<b>1,556</b>	<b>3,456</b>	<b>4,718</b>	<b>5,841</b>	<b>4,172</b>
<b>Taiwan</b>	Tomatoes	261	503	630	626	790
	Peppers	0	10	43	16	4
	Cucumbers and gherkins	0	0	0	0	0
	<b>Total</b>	<b>261</b>	<b>513</b>	<b>673</b>	<b>641</b>	<b>794</b>
<b>Hong Kong</b>	Peppers	174	316	277	213	203
	Tomatoes	136	51	175	132	175
	Cucumbers and gherkins	6	7	11	28	14
	<b>Total</b>	<b>316</b>	<b>373</b>	<b>464</b>	<b>373</b>	<b>392</b>
<b>France</b>	Peppers	11	14	8	10	12
	Cucumbers and gherkins	0	0	0	0	1
	Tomatoes	0	0	0	0	0
	<b>Total</b>	<b>11</b>	<b>15</b>	<b>9</b>	<b>11</b>	<b>13</b>
<b>Other countries</b>	Peppers	69	21	85	3	11
	Cucumbers and gherkins	11	11	16	1	13
	Tomatoes	17	21	1	1	1
	<b>Total</b>	<b>97</b>	<b>53</b>	<b>102</b>	<b>4</b>	<b>26</b>
<b>Total</b>	Peppers	329,947	317,935	331,568	352,869	420,415
	Tomatoes	311,310	341,598	391,123	368,492	385,558
	Cucumbers and gherkins	186,242	203,236	241,431	280,549	301,831
	<b>Total</b>	<b>827,500</b>	<b>862,769</b>	<b>964,121</b>	<b>1,001,911</b>	<b>1,107,804</b>

Source: Statistics Canada (CATSNET, November 2020)



### 3.2.6. Greenhouse vegetable destinations by commodity – volume (metric tonnes)

		2015	2016	2017	2018	2019
<b>United States</b>	Tomatoes	124,689	138,767	150,961	136,306	137,155
	Cucumbers and gherkins	93,615	96,301	104,034	114,205	118,588
	Peppers	82,243	82,990	83,377	83,130	93,792
	<b>Total</b>	<b>300,547</b>	<b>318,059</b>	<b>338,372</b>	<b>333,641</b>	<b>349,535</b>
<b>Japan</b>	Tomatoes	505	1,135	1,397	1,613	1,085
	Peppers	0	4	86	140	165
	Cucumbers and gherkins	6	0	0	0	0
	<b>Total</b>	<b>511</b>	<b>1,139</b>	<b>1,483</b>	<b>1,753</b>	<b>1,250</b>
<b>Taiwan</b>	Tomatoes	84	161	196	199	255
	Peppers	0	3	13	4	1
	Cucumbers and gherkins	0	0	0	0	0
	<b>Total</b>	<b>84</b>	<b>164</b>	<b>208</b>	<b>203</b>	<b>256</b>
<b>Hong Kong</b>	Peppers	52	93	79	61	58
	Tomatoes	45	16	58	43	55
	Cucumbers and gherkins	2	2	4	10	6
	<b>Total</b>	<b>99</b>	<b>112</b>	<b>142</b>	<b>113</b>	<b>119</b>
<b>France</b>	Peppers	2	4	2	2	3
	Cucumbers and gherkins	0	0	0	0	0
	Tomatoes	0	0	0	0	0
	<b>Total</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Other countries</b>	Tomatoes	4	3	5	0	5
	Peppers	20	20	25	1	2
	Cucumbers and gherkins	20	20	25	1	2
	<b>Total</b>	<b>31</b>	<b>30</b>	<b>30</b>	<b>1</b>	<b>8</b>
<b>Total</b>	Tomatoes	125,327	140,083	152,617	138,161	138,555
	Cucumbers and gherkins	93,631	96,310	104,038	114,215	118,594
	Peppers	82,317	83,114	83,582	83,338	94,022
	<b>Total</b>	<b>301,275</b>	<b>319,507</b>	<b>340,237</b>	<b>335,714</b>	<b>351,171</b>

Source: Statistics Canada (CATSNET, November 2020)



### 3.3. Imports

#### 3.3.1. Canada's greenhouse vegetable imports by commodity – value (thousands of Canadian dollars)

	2015	2016	2017	2018	2019
Peppers	129,741	172,910	140,311	138,543	147,434
Tomatoes	194,890	239,829	197,474	149,830	134,786
Cucumbers and gherkins	44,348	46,885	45,088	43,705	48,489
Lettuce	794	721	863	553	402
Cabbage lettuce, head lettuce	38	47	-	0	0
<b>Total</b>	<b>369,810</b>	<b>460,392</b>	<b>383,735</b>	<b>332,631</b>	<b>331,112</b>

Source: Statistics Canada (CATSNET, November 2020)

#### 3.3.2. Canada's greenhouse vegetable imports by commodity – volume (metric tonnes)

	2015	2016	2017	2018	2019
Peppers	38,086	45,415	43,567	49,453	47,204
Tomatoes	70,712	83,720	75,506	68,721	59,743
Cucumbers and gherkins	25,063	25,305	23,473	23,775	24,197
Lettuce	284	317	374	181	111
Cabbage lettuce, head lettuce	27	36	0	0	0
<b>Total</b>	<b>134,171</b>	<b>154,792</b>	<b>142,919</b>	<b>142,131</b>	<b>131,256</b>

Source: Statistics Canada (CATSNET, November 2020)





### 3.3.3. Greenhouse vegetable import sources – value (thousands of Canadian dollars)

		2015	2016	2017	2018	2019
<b>Mexico</b>	Peppers	105,933	144,679	124,743	121,986	122,664
	Tomatoes	174,814	211,696	175,043	126,643	109,673
	Cucumbers and gherkins	33,742	37,932	38,890	37,594	37,539
	Lettuce	5	9	2	46	16
	Cabbage lettuce, head lettuce	1	0	0	0	0
	<b>Total</b>	<b>314,495</b>	<b>394,317</b>	<b>338,678</b>	<b>286,268</b>	<b>269,892</b>
<b>United States</b>	Tomatoes	19,577	27,593	22,017	22,895	24,889
	Cucumbers and gherkins	8,134	6,186	5,102	5,025	9,354
	Peppers	4,776	7,224	6,209	6,390	7,787
	Lettuce	762	689	840	468	344
	Cabbage lettuce, head lettuce	36	46	0	0	0
	<b>Total</b>	<b>33,285</b>	<b>41,738</b>	<b>34,167</b>	<b>34,778</b>	<b>42,373</b>
<b>Spain</b>	Peppers	14,807	16,059	5,093	7,478	10,533
	Cucumbers and gherkins	2,114	2,135	720	646	1,351
	Lettuce	0	0	12	14	4
	Tomatoes	23	110	0	0	0
	Cabbage lettuce, head lettuce	0	0	0	0	0
	<b>Total</b>	<b>16,943</b>	<b>18,305</b>	<b>5,825</b>	<b>8,139</b>	<b>11,888</b>
<b>Netherlands</b>	Tomatoes	0	0	3	0	0
	Cabbage lettuce, head lettuce	0	0	0	0	0
	Lettuce	2	0	0	0	0
	Cucumbers and gherkins	21	419	227	283	82
	Peppers	156	1,529	1,238	1,151	3,120
	<b>Total</b>	<b>178</b>	<b>1,948</b>	<b>1,468</b>	<b>1,434</b>	<b>3,202</b>
<b>Israel</b>	Peppers	1,633	1,752	76	463	326
	Tomatoes	13	0	56	0	0
	Cabbage lettuce, head lettuce	0	0	0	0	0
	Lettuce	0	0	0	0	0
	Cucumbers and gherkins	0	22	0	0	0
	<b>Total</b>	<b>1,646</b>	<b>1,774</b>	<b>132</b>	<b>463</b>	<b>326</b>
<b>Other countries</b>	Peppers	2,436	1,666	2,952	1,075	3,005
	Tomatoes	463	429	355	292	225
	Cucumbers and gherkins	336	192	149	156	164
	Lettuce	25	22	9	25	37
	Cabbage lettuce, head lettuce	2	1	0	0	0
	<b>Total</b>	<b>3,262</b>	<b>2,311</b>	<b>3,465</b>	<b>1,549</b>	<b>3,431</b>
<b>Total</b>	Peppers	129,741	172,910	140,311	138,543	147,434
	Tomatoes	194,890	239,829	197,474	149,830	134,786
	Cucumbers and gherkins	44,348	46,885	45,088	43,705	48,489
	Lettuce	794	721	863	553	402
	Cabbage lettuce, head lettuce	38	47	0	0	0
	<b>Total</b>	<b>369,810</b>	<b>460,392</b>	<b>383,735</b>	<b>332,631</b>	<b>331,112</b>

Source: Statistics Canada (CATSNET, November 2020)



### 3.3.4. Greenhouse vegetable import sources – volume (metric tonnes)

		2015	2016	2017	2018	2019
<b>Mexico</b>	Peppers	31,908	38,071	39,397	44,377	39,672
	Tomatoes	63,058	73,401	67,488	59,124	49,910
	Cucumbers and gherkins	20,583	21,686	21,009	21,337	19,744
	Lettuce	1	4	1	19	12
	Cabbage lettuce, head lettuce	0	0	0	0	0
	<b>Total</b>	<b>115,551</b>	<b>133,162</b>	<b>127,895</b>	<b>124,857</b>	<b>109,337</b>
<b>United States</b>	Tomatoes	7,400	10,138	7,882	9,500	9,759
	Cucumbers and gherkins	3,151	2,362	1,913	1,951	3,636
	Peppers	1,317	1,994	2,035	2,577	3,012
	Lettuce	278	309	366	158	96
	Cabbage lettuce, head lettuce	26	36	0	0	0
	<b>Total</b>	<b>12,172</b>	<b>14,839</b>	<b>12,196</b>	<b>14,187</b>	<b>16,503</b>
<b>Spain</b>	Peppers	3,722	4,047	1,290	1,618	2,594
	Cucumbers and gherkins	1,149	951	352	308	657
	Lettuce	0	0	4	2	1
	Tomatoes	14	33	0	0	0
	Cabbage lettuce, head lettuce	0	0	0	0	0
	<b>Total</b>	<b>4,885</b>	<b>5,031</b>	<b>1,646</b>	<b>1,928</b>	<b>3,252</b>
<b>Netherlands</b>	Peppers	26	381	338	365	805
	Cucumbers and gherkins	13	216	140	109	52
	Lettuce	0	0	0	0	0
	Tomatoes	0	0	1	0	0
	Cabbage lettuce, head lettuce	0	0	0	0	0
	<b>Total</b>	<b>39</b>	<b>597</b>	<b>480</b>	<b>474</b>	<b>856</b>
<b>Israel</b>	Peppers	421	490	28	94	63
	Tomatoes	3	0	18	0	0
	Cabbage lettuce, head lettuce	0	0	0	0	0
	Lettuce	0	0	0	0	0
	Cucumbers and gherkins	0	12	0	0	0
	<b>Total</b>	<b>424</b>	<b>502</b>	<b>46</b>	<b>94</b>	<b>63</b>
<b>Other countries</b>	Peppers	691	432	479	423	1,059
	Tomatoes	238	148	117	96	75
	Cucumbers and gherkins	166	77	58	70	108
	Lettuce	4	3	3	2	3
	Cabbage lettuce, head lettuce	0	1	0	0	0
	<b>Total</b>	<b>1,100</b>	<b>661</b>	<b>656</b>	<b>591</b>	<b>1,244</b>
<b>Total</b>	Peppers	38,086	45,415	43,567	49,453	47,204
	Tomatoes	70,712	83,720	75,506	68,721	59,743
	Cucumbers and gherkins	25,063	25,305	23,473	23,775	24,197
	Lettuce	284	317	374	181	111
	Cabbage lettuce, head lettuce	27	36	0	0	0
	<b>Total</b>	<b>134,171</b>	<b>154,792</b>	<b>142,919</b>	<b>142,131</b>	<b>131,256</b>

Source: Statistics Canada (CATSNET, November 2020)



## 4. Key Resources

- Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables
- Statistics Canada. Table 32-10-0019-01 Estimates of specialized greenhouse operations, greenhouse area, and months of operation
- Statistics Canada. Table 32-10-0028-01 Total number of employees of specialized greenhouse operations
- Statistics Canada. CATSNET