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Statistical Overview of the Canadian Ornamental Industry 2015

Prepared by
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Horticulture and Cross Sectoral Division
Agriculture and Agri-Food Canada
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Table of Contents

Overview	1
1. Production	2
1.1. Number of Canadian ornamental farms by sub-sector.....	2
1.2. Area of Canadian ornamental farms by sub-sector (hectares).....	2
1.3. Operations, area and months of operation for specialized greenhouse flowers and plants	2
1.4. Total area for production of specialized greenhouse flowers and plants by province (square metres).....	3
1.5. Production of greenhouse flowers and plants by category (number in millions)	3
1.6. Production of potted plants by variety (number in millions).....	4
1.7. Production of cuttings by variety (number in millions)	5
1.8. Production of cut flowers by variety (number in millions)	5
1.9. Total sod area by province (hectares)	6
1.10. Sod operations by province (number)	6
1.11. Christmas tree production by province (number of farms)	7
1.12. Christmas tree production by province (hectares).....	7
2. Sales and resales	8
2.1. Ornamental sales by sub-sector (millions of Canadian dollars)	8
2.2. Greenhouse flower and plant sales by category (millions of Canadian dollars).....	8
2.3. Greenhouse flower and plant sales by province (millions of Canadian dollars).....	9
2.4. Greenhouse flower and plant sales by province – percent share, 2015	9
2.5. Greenhouse flower and plant resales by province (millions of Canadian dollars).....	10
2.6. Nursery stock sales by province (millions of Canadian dollars)	10
2.7. Nursery stock sales by province – percentage share, 2015.....	11
2.8. Nursery stock resales by province (millions of Canadian dollars)	11
2.9. Sod sales by province (millions of Canadian dollars).....	12
3. Channels of distribution	13
3.1. Channels of distribution for flowers and plant sales and resales (millions of Canadian dollars).....	13
3.2. Channels of distribution for flowers and plant sales and resales, 2011–2015	14
3.3. Channels of distribution for nursery product sales and resales (millions of Canadian dollars).....	14
3.4. Channels of distribution for nursery product sales and resales, 2011–2015	15
4. Operating expenses	16
4.1. Greenhouse flower and plant producers' operating expenses by category (millions of Canadian dollars)	16
4.2. Greenhouse flower and plant producers' operating expenses by province (millions of Canadian dollars)	16
4.3. Nursery operating expenses by category (millions of Canadian dollars)	17
4.4. Nursery operating expenses by province (millions of Canadian dollars)	17
4.5. Sod operating expenses by category (millions of Canadian dollars).....	18
4.6. Sod operating expenses by province (millions of Canadian dollars).....	18
5. Labour	19
5.1. Nursery, sod and greenhouse flowers total employees	19
5.2. Total employees by sector, 2011–2015.....	20
6. Trade	21
6.1. Canadian ornamental trade balance by category (thousands of Canadian dollars)	21



6.2. Exports.....	22
6.2.1. Canadian floriculture and nursery exports by province (thousands of Canadian dollars).....	22
6.2.2. Floriculture and nursery exports by province, 2011–2015	23
6.2.3. Floriculture and nursery exports by province – percent share, 2015	23
6.2.4. Canada’s top ten floriculture and nursery export destinations (thousands of Canadian dollars).....	24
6.2.5. Christmas tree exports by province (thousands of Canadian dollars)	25
6.2.6. Christmas tree exports by province (number)	25
6.2.7. Christmas tree exports by province, 2011–2015.....	26
6.2.8. Christmas tree exports by province – percentage share, 2015	27
6.2.9. Canada's top ten Christmas tree destinations (thousands of Canadian dollars)	27
6.2.10. Canada's top ten Christmas tree destinations (number).....	28
6.2.11. Canada's floriculture and nursery export destinations by U.S. state (thousands of Canadian dollars).....	28
6.3. Imports.....	29
6.3.1. Floriculture and nursery imports by province (thousands of Canadian dollars).....	29
6.3.2. Top ten sources of Canada’s floriculture and nursery imports (thousands of Canadian dollars).....	29
7. World data.....	30
7.1. Top ten exporting countries for floriculture, nursery, and Christmas trees (thousands of Canadian dollars)	30
7.2. Top ten importing countries for floriculture, nursery, and Christmas trees (thousands of Canadian dollars)	30
8. Key Resources	31



Overview

The ornamental sector includes floriculture, nursery, Christmas trees, and turf sod industries. Over the period 2011–2015, revenues in the industry have grown by 7% while operating expenses have experienced a 1% increase over the same period. The ornamental sector remained the largest horticultural sector in Canada, with sales of \$2.02 billion in 2015.

In 2015, Canadian greenhouse flower and plant producers operated 1,855 operations with a combined area of approximately 7.8 million square metres. The number of greenhouse operations and the area dedicated to production of greenhouse flowers and plants declined in 2015, falling to a five-year low for the period 2011–2015. Ontario remained the largest producer of specialized greenhouse flowers and plants, with a 44% share of the total production area, followed by British Columbia (25%) and Quebec (16%).

Ornamental industry sales increased to \$2.02 billion in 2015, up from \$1.93 billion in 2014, an increase of 4%. Floriculture remained the largest revenue generating sub-sector, accounting for 63% of total sales. Floriculture sales increased to \$1.28 billion in 2015, up 4% from 2014 and 10% from 2011, marking a five-year high. Ontario, British Columbia and Quebec accounted for the majority of Canada's total floriculture sales, earning 51%, 25% and 11%, respectively.

Nursery sales totalled \$578 million in 2015, accounting for 29% of total ornamental sales, up 4% from 2014. By province, Ontario accounted for 38% of total nursery sales in 2015, followed by British Columbia and Quebec with 34% and 15%, respectively.

Turf sod sales totalled \$164 million in 2015; an increase of 7% from 2014. The sub-sector accounts for 8% of total ornamental sales. By province, Ontario accounted for 43% of the total sales in 2015, followed by Quebec and Alberta with 20% and 17%, respectively.

Ornamental products are distributed through multiple channels. Mass-market chain stores are the primary distributors of floriculture products, accounting for 30% of total sales in 2015. However, landscape contractors and garden centres are the two largest distribution channels for nursery products, making up 22% and 19% of total sales, respectively.

In 2015, operating expenses for the ornamental industry were approximately \$1.86 billion. Payroll is the single largest expenditure, at 34% of total operating expenses. Overall, the ornamental industry's production expenses have risen by 1% over the 2011–2015 period.

In 2015, 33,801 people were directly employed in the production of ornamental products, down 1% from 2014. Fifty-six percent of these employees worked in specialized greenhouse flower and plant operations, 39% in nurseries, and 5% on sod farms. Due to the seasonal nature of the ornamental business, each of the sub-sectors employs more seasonal labour than permanent labour. Seasonal employees are defined as employees who work less than eight months during the year. Sixty-four percent of greenhouse flower and plant production employees were seasonal workers. For both nurseries and turf sod farm operations, 72% of people employed were seasonal employees.

Canada's largest ornamental trade partner is the United States, accounting for 98% of exports and 47% of imports in the sector. Canadian worldwide exports totalled \$438 million in 2015, and imports amounted to \$489 million generating a net negative trade balance of approximately \$51 million. Nursery products (live plants, cuttings and slips) contributed the most to Canadian ornamental exports as \$300 million (nearly 70%) were from this sub-sector, followed by cut flowers with \$63 million (14%) and Christmas trees with \$41 million (9%). Canadian exports of Christmas trees generated a net positive export value of \$36 million in 2015.

Canada's exports of floriculture and nursery products and Christmas trees place it 10th in the world, with a 1.8% share of world exports, which totalled \$25 billion in 2015.



1. Production

1.1. Number of Canadian ornamental farms¹ by sub-sector

	2006	2011	Change
Floriculture ²	3,578	3,016	-16%
Nursery	3,825	3,438	-10%
Sod	404	375	-7%
Christmas trees	2,461	2,381	-3%
Total	10,268	9,210	-10%

Notes:

1. Number of farms includes all farms reported to be growing floriculture, nursery, sod and Christmas trees, and not exclusively farms in which ornamental production represents 50% or more of total farm cash receipts.

2. Greenhouse flowers.

Source: Statistics Canada, Census of Agriculture (CANSIM Tables 004-0216, 004-0217, 004-0218)

1.2. Area of Canadian ornamental farms by sub-sector (hectares)

	2006	2011	Change
Floriculture	928	859	-7%
Nursery	24,953	24,146	-3%
Sod	27,960	25,684	-8%
Christmas trees	30,630	28,315	-8%
Total	84,471	79,004	-6%

Source: Statistics Canada, Census of Agriculture (CANSIM Tables 004-0216, 004-0217, 004-0218)

1.3. Operations, area and months of operation for specialized greenhouse flowers and plants

	Total greenhouse operations (number)	Total greenhouse area (square metres)	Total months of operation (number)
2011	1,960	8,155,388	13,685
2012	1,910	8,167,239	13,775
2013	1,885	8,158,263	18,927
2014	1,855	7,899,306	18,285
2015	1,787	7,833,664	17,779

Source: Statistics Canada (CANSIM Table 001-0047)



1.4. Total area for production of specialized greenhouse flowers and plants by province (square metres)

	2011	2012	2013	2014	2015
Atlantic provinces	306,571	279,331	281,051	299,056	280,200
Quebec	1,321,525	1,181,310	1,150,780	1,233,622	1,238,580
Ontario	3,934,703	3,852,551	3,857,742	3,509,556	3,475,123
Prairie provinces	848,956	876,504	865,605	862,061	863,730
British Columbia	1,743,634	1,977,543	2,003,085	1,995,010	1,976,030
Canada	8,155,388	8,167,239	8,158,263	7,899,306	7,833,664

Source: Statistics Canada (CANSIM Table 001-0047)

1.5. Production of greenhouse flowers and plants by category (number in millions)

	2011	2012	2013	2014	2015
Potted plants ¹	207.6	212.2	199.8	191.9	215.8
Cuttings ¹	103.3	94.9	92.1	97.2	99.0
Cut flowers	302.6	321.1	332.9	317.6	324.3
Bedding plants, ornamental	441.9	543.8	543.0	527.7	418.5
Total	1,055.4	1,172.0	1,167.7	1,134.3	1,057.6

Note:

1. Excludes tree seedling plants (production and sales).

Source: Statistics Canada (CANSIM Table 001-0048)



1.6. Production of potted plants by variety (number in millions)

	2011	2012	2013	2014	2015
Azaleas, indoor	F	0.9	1.2	1.2	1.1
Lilies, indoor	4.3	4.1	5.1	3.3	4.4
Poinsettias, indoor	8.6	7.8	8.5	7.1	7.2
African violets, indoor	F	F	F	5.7	8.9
Tropical foliage and green plants	10.2	9.7	10.2	8.1	11.4
Gerberas, indoor	3.1	2.7	3.6	4.7	5.0
Miniature roses, indoor	F	9.7	9.4	9.6	10.2
Orchids, indoor	1.6	F	2.9	2.8	3.1
Kalanchoe, indoor	5.9	F	6.5	7.3	8.5
Chrysanthemums, indoor	9.9	5.8	8.2	7.9	7.5
Primula, indoor	1.7	2.2	2.3	1.9	2.4
Cyclamen, indoor	2.3	F	2.0	1.8	2.3
Tulips, indoor	F	1.8	1.9	1.9	2.3
Indoor hanging pots	0.7	F	0.9	0.9	1.5
Other indoor pots	22.8	20.5	16.6	17.3	17.9
Begonias, outdoor	5.9	6.8	6.9	6.3	6.9
Chrysanthemums, outdoor	4.1	4.7	4.1	3.9	4.0
Geraniums, outdoor	19.4	18.5	18.7	19.1	18.8
Impatiens, outdoor	6.2	6.4	5.9	3.6	4.1
Petunias, outdoor	8.4	9.8	8.9	7.3	8.4
Hosta, outdoor					
Herbaceous perennials, outdoor	12.7	11.5	12.1	11.0	11.7
Argyranthemum, outdoor	0.4	0.7	0.4	0.4	0.4
Outdoor hanging pots	11.0	11.0	12.1	12.4	12.9
Other outdoor pots	43.5	51.8	42.9	46.3	54.6
Total potted plants	207.6	212.2	199.8	191.9	215.8

Note:

F: Too unreliable to be published.

Source: Statistics Canada (CANSIM Table 001-0049)



1.7. Production of cuttings by variety (number in millions)

	2011	2012	2013	2014	2015
Chysanthemums, cuttings	7.4	7.7	2.7	4.7	3.9
Poinsettias, cuttings	5.1	F	2.9	3.9	4.5
Geraniums, cuttings	13.7	12.8	7.9	11.0	13.7
Impatiens, cuttings	3.3	4.1	3.1	4.4	4.6
Other cuttings	73.8	66.2	75.4	73.2	72.4
Total cuttings	103.3	94.9	92.1	97.2	99.0

Note:

F: Too unreliable to be published.

Source: Statistics Canada (CANSIM Table 001-0049)

1.8. Production of cut flowers¹ by variety (number in millions)

	2011	2012	2013	2014	2015
Alstroemeria, stems	15.9	F	13.2	10.7	12.2
Chrysanthemums, stems	23.1	F	34.9	32.5	33.6
Daffodils, stems	F	3.7	4.1	6.6	4.1
Freesia, stems	4.8	F	F	4.6	4.6
Gerberas, stems	66.0	75.1	78.6	74.3	76.4
Iris, stems	F	2.7	2.4	4.6	3.2
Roses, stems	10.5	8.4	8.3	5.9	5.4
Snapdragons, stems	F	F	19.3	13.8	12.1
Tulips, stems	98.5	F	128.7	117.6	121.0
Lilies, stems	15.2	14.5	13.3	9.2	9.7
Lisianthus, stems	2.3	F	F	2.5	5.5
Other cut flowers	26.9	F	22.1	35.3	36.4
Total cut flowers	302.6	321.1	332.9	317.6	324.3

Notes:

1. Includes flowers grown, or given some cultural treatment, and sold.

F: Too unreliable to be published.

Source: Statistics Canada (CANSIM Table 001-0049)



1.9. Total sod area by province (hectares)

	2011	2012	2013	2014	2015
Newfoundland and Labrador	312	289	251	233	276
Prince Edward Island	x	F	x	x	x
Nova Scotia	1,093	963	1,023	1,085	1,142
New Brunswick	x	384	335	318	x
Quebec	5,261	4,903	4,825	4,306	5,169
Ontario	11,382	10,750	11,051	11,703	10,973
Manitoba	1,188	1,360	x	x	1,182
Saskatchewan	502	506	569	614	654
Alberta	3,942	3,790	4,495	4,234	3,845
British Columbia	765	749	781	822	833
Canada	24,989	23,785	24,778	24,589	24,382
Notes:					
F: Too unreliable to be published.					
x: Suppressed to meet the confidentiality requirements of the <i>Statistics Act</i> .					
Source: Statistics Canada (CANSIM Table 001-0060)					

1.10. Sod operations¹ by province (number)

	2011	2012	2013	2014	2015
Newfoundland and Labrador	20	20	20	15	15
Prince Edward Island	5	5	5	5	5
Nova Scotia	15	10	10	10	8
New Brunswick	5	5	4	4	4
Quebec	55	50	45	40	40
Ontario	70	65	65	65	60
Manitoba	10	10	10	10	8
Saskatchewan	5	5	5	5	5
Alberta	20	20	25	25	20
British Columbia	20	25	25	25	25
Canada	225	215	214	204	190
Note:					
1. Firms that only distribute sod or nursery stock, or just landscape and lay sod are excluded.					
Source: Statistics Canada (CANSIM Table 001-0060)					



1.11. Christmas tree production by province (number of farms)

	2006	2011
Newfoundland and Labrador	25	19
Prince Edward Island	23	20
Nova Scotia	437	447
New Brunswick	190	157
Quebec	353	379
Ontario	725	647
Manitoba	76	60
Saskatchewan	32	41
Alberta	119	105
British Columbia	481	506
Canada	2,461	2,381
Source: Statistics Canada, Census of Agriculture (CANSIM Table 004-0218)		

1.12. Christmas tree production by province (hectares)

	2006	2011
Newfoundland and Labrador	124	116
Prince Edward Island	198	140
Nova Scotia	9,134	7,663
New Brunswick	2,214	2,131
Quebec	7,892	8,347
Ontario	6,392	5,955
Manitoba	345	472
Saskatchewan	251	305
Alberta	515	565
British Columbia	3,565	2,621
Canada	30,630	28,315
Source: Statistics Canada, Census of Agriculture (CANSIM Table 004-0218)		



2. Sales and resales

2.1. Ornamental sales by sub-sector (millions of Canadian dollars)

	2011	2012	2013	2014	2015
Greenhouse flower and plants	1,155.4	1,146.9	1,192.9	1,224.6	1,275.7
Nursery	590.7	568.3	550.3	555.1	578.2
Sod	138.9	154.5	152.4	152.7	164.0
Total	1,885.0	1,869.6	1,895.7	1,932.3	2,017.9

Source: Statistics Canada (CANSIM Tables 001-0051, 001-0058, 001-0060)

2.2. Greenhouse flower and plant sales by category (millions of Canadian dollars)

	2011	2012	2013	2014	2015
Potted plants ¹	669.4	653.4	677.5	706.4	786.2
Cuttings ¹	74.0	54.1	51.8	51.6	50.7
Cut flowers	141.0	143.4	149.6	150.1	147.3
Bedding plants, ornamental	157.7	204.7	195.6	190.9	156.4
Total	1,042.0	1,055.6	1,074.6	1,098.8	1,140.6

Note:
1. Excludes tree seedling plants (production and sales).
Source: Statistics Canada (CANSIM Table 001-0048)

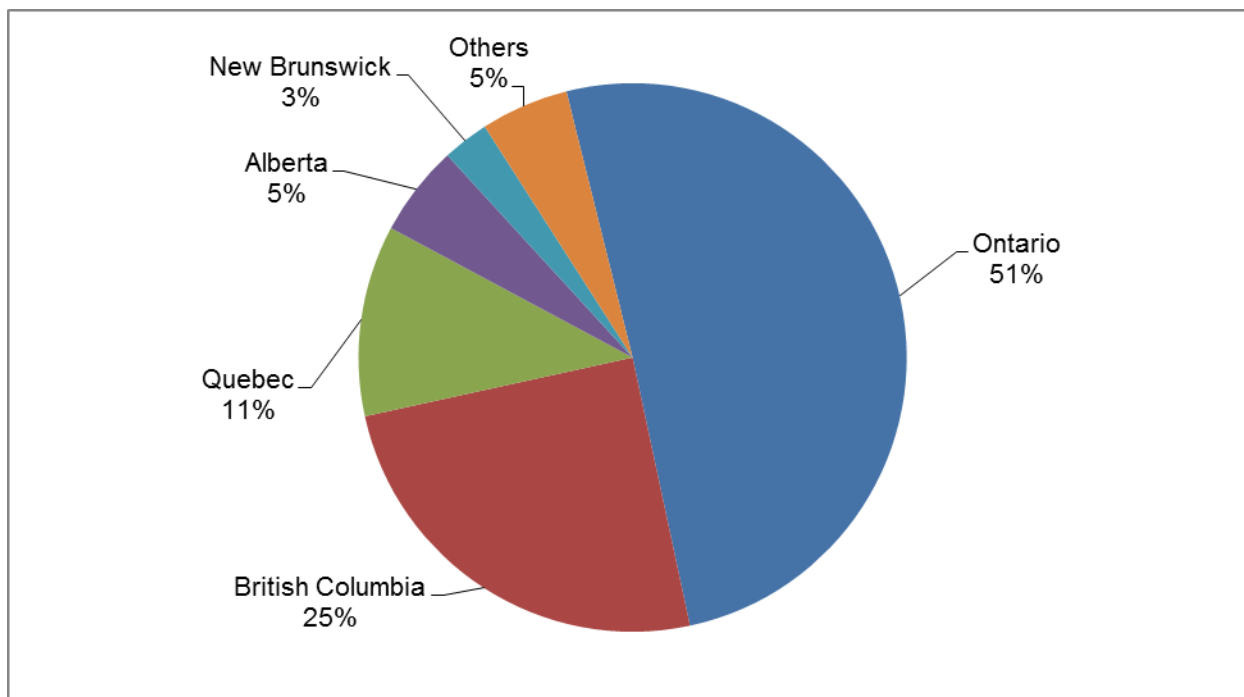


2.3. Greenhouse flower and plant sales by province (millions of Canadian dollars)

	2011	2012	2013	2014	2015
Newfoundland and Labrador	6.2	6.5	6.5	6.4	6.6
Prince Edward Island	2.8	x	4.9	x	4.9
Nova Scotia	9.5	9.1	9.3	9.4	9.0
New Brunswick	30.2	x	30.1	x	34.9
Quebec	157.0	135.9	135.2	139.7	143.7
Ontario	578.0	582.5	605.2	618.6	644.6
Manitoba	35.1	32.0	31.1	31.6	F
Saskatchewan	12.4	14.6	15.9	15.8	14.6
Alberta	64.0	59.4	61.5	73.0	68.5
British Columbia	260.2	268.1	293.4	292.9	317.8
Canada	1,155.4	1,146.9	1,192.9	1,224.6	1,275.7

Notes:
 F: Too unreliable to be published.
 x: Suppressed to meet the confidentiality requirements of the *Statistics Act*.
 Source: Statistics Canada (CANSIM Table 001-0051)

2.4. Greenhouse flower and plant sales by province – percent share, 2015



Source: Statistics Canada (CANSIM Table 001-0051)



2.5. Greenhouse flower and plant resales by province (millions of Canadian dollars)

	2011	2012	2013	2014	2015
Newfoundland and Labrador	3.4	F	F	F	1.6
Prince Edward Island	x	x	F	x	.0
Nova Scotia	x	5.1	4.2	6.6	4.4
New Brunswick	4.3	x	2.2	x	1.6
Quebec	22.5	20.5	26.0	21.8	20.1
Ontario	148.3	127.4	129.4	139.0	142.7
Manitoba	2.9	2.0	3.4	2.8	3.6
Saskatchewan	1.6	1.8	1.6	1.4	2.5
Alberta	7.1	13.5	10.3	13.0	10.3
British Columbia	33.5	35.8	29.9	28.3	33.1
Canada	228.9	212.0	210.6	219.0	219.8

Notes:

F: Too unreliable to be published.

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

Source: Statistics Canada (CANSIM Table 001-0051)

2.6. Nursery stock¹ sales by province (millions of Canadian dollars)

	2011	2012	2013	2014	2015
Newfoundland and Labrador	0.2	0.2	x	x	x
Prince Edward Island	x	x	x	x	x
Nova Scotia	13.0	12.6	10.0	8.5	7.8
New Brunswick	x	x	2.8	3.1	3.3
Quebec	81.9	78.2	79.0	81.8	86.0
Ontario	242.4	223.5	213.7	219.5	222.1
Manitoba	20.6	14.9	12.6	11.8	11.2
Saskatchewan	8.6	7.6	6.0	5.0	5.8
Alberta	39.8	40.2	35.3	40.7	41.8
British Columbia	181.3	187.9	189.8	183.7	199.3
Canada	590.7	568.3	550.3	555.1	578.2

Notes:

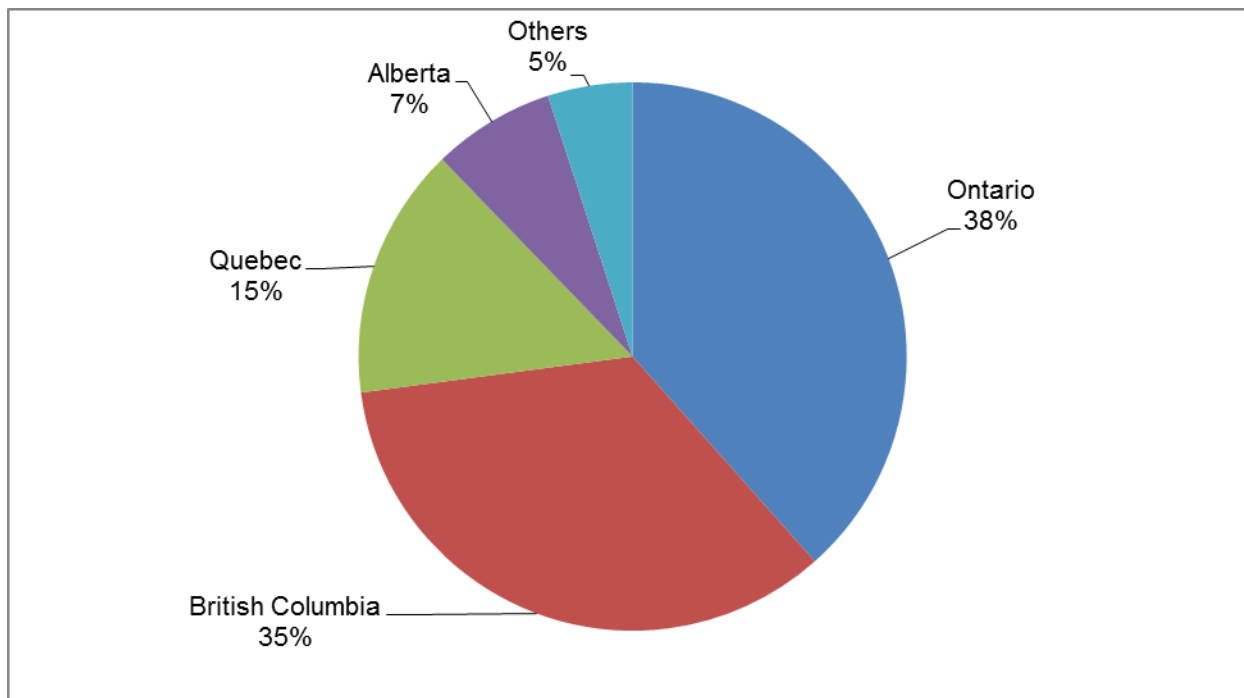
1. The term "nursery stock" covers a diverse range of non-edible, living plant material grown in field or in containers and sold with its root system intact. Nursery stock includes annual and perennial plants ranging from woody plants (e.g. trees, shrubs and rose bushes) to bedding plants and potted outdoor flowers. "Nursery stock" excludes Christmas trees and various inputs such as growing medium (e.g. peat moss and top soil), fertilizer and pesticides. Since 2008, nursery and sod operating expenses are separated.

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

Source: Statistics Canada (CANSIM Table 001-0058)



2.7. Nursery stock sales by province – percentage share, 2015



Source: Statistics Canada (CANSIM Table 001-0058)

2.8. Nursery stock resales by province (millions of Canadian dollars)

	2011	2012	2013	2014	2015
Newfoundland and Labrador	0.6	0.5	x	x	x
Prince Edward Island	x	x	x	x	x
Nova Scotia	1.6	1.7	2.5	2.1	1.2
New Brunswick	x	x	1.3	F	1.0
Quebec	15.4	16.6	17.5	16.0	15.0
Ontario	54.6	60.7	67.6	71.4	72.3
Manitoba	2.5	3.6	3.0	2.0	2.6
Saskatchewan	1.5	1.5	2.2	1.8	2.3
Alberta	12.1	8.2	7.6	7.3	10.5
British Columbia	28.1	30.4	28.1	31.4	29.2
Canada¹	117.0	124.1	130.1	133.3	134.5

Notes:

1. Data may not add up as some data was suppressed to meet confidentiality requirements.

F: Too unreliable to be published.

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

Source: Statistics Canada (CANSIM Table 001-0058)



2.9. Sod sales by province (millions of Canadian dollars)

	2011	2012	2013	2014	2015
Newfoundland and Labrador	3.1	3.1	2.4	2.9	3.3
Prince Edward Island	x	F	x	x	x
Nova Scotia	6.3	6.1	5.1	4.7	3.8
New Brunswick	F	2.3	2.2	1.9	x
Quebec	33.7	37.3	33.8	30.8	32.1
Ontario	53.5	62.5	60.7	67.8	71.7
Manitoba	2.6	3.7	x	x	7.4
Saskatchewan	4.4	4.9	4.1	4.1	4.3
Alberta	22.2	23.6	29.2	23.5	28.1
British Columbia	10.1	10.4	10.4	9.6	10.7
Canada	138.9	154.5	152.4	152.7	164.0

Notes:

Data does not include resales due to unpublished data and suppressed data.

F: Too unreliable to be published.

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

Source: Statistics Canada (CANSIM Table 001-0060)



3. Channels of distribution

3.1. Channels of distribution for flowers and plant sales and resales (millions of Canadian dollars)

	2011	2012	2013	2014	2015
Mass market chain stores	346.2	405.5	425.1	447.3	447.4
Domestic wholesalers	267.8	287.7	305.4	269.4	286.0
Direct sales to the public ¹	238.8	234.0	220.9	221.9	214.7
Retail florists	259.0	177.5	174.0	184.4	189.9
Other greenhouses	119.2	86.2	96.8	137.1	171.0
Exported	109.9	121.1	128.8	118.5	121.1
Government and public agencies	9.4	13.1	11.9	20.4	20.1
Other channels	34.0	33.8	40.6	44.7	46.0
Total sales	1,384.2	1,358.9	1,403.6	1,443.6	1,495.5

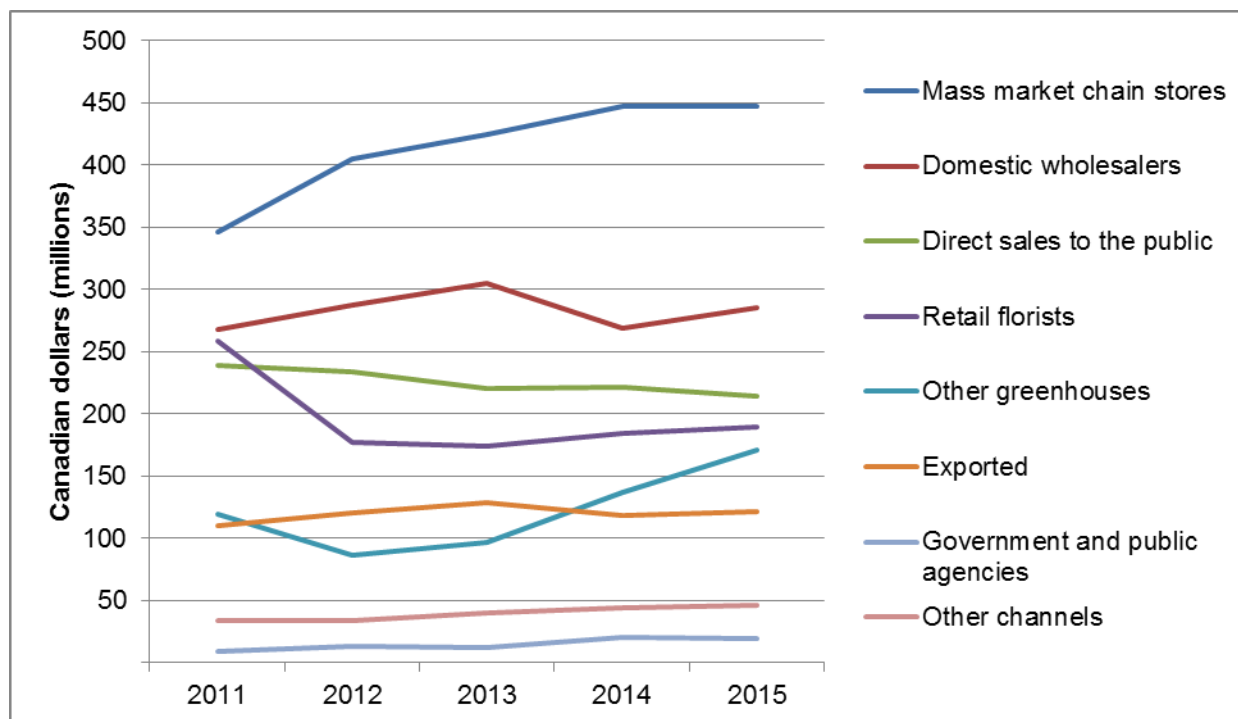
Note:

1. Includes roadside stands and owner-operated retail outlets.

Source: Statistics Canada (CANSIM Table 001-0050)



3.2. Channels of distribution for flowers and plant sales and resales, 2011–2015



Source: Statistics Canada (CANSIM Table 001-0050)

3.3. Channels of distribution for nursery product sales and resales¹ (millions of Canadian dollars)

	2011	2012	2013	2014	2015
Landscape contractors	172.3	168.9	154.1	159.0	160.0
Garden centres	155.6	131.4	123.5	130.8	133.6
Mass market chain stores	105.3	93.7	95.7	103.6	117.5
Direct sales to the public ¹	85.4	95.5	85.2	74.8	74.3
Other growers	48.7	50.9	54.6	60.9	61.8
Government and public agencies	40.4	51.9	56.3	49.5	52.2
Fruit growers	27.9	F	29.4	31.3	32.4
Exported	11.5	13.5	14.9	16.5	28.1
Other channels	60.5	56.3	66.7	61.9	52.8
Total sales	707.7	692.4	680.4	688.3	712.6

Notes:

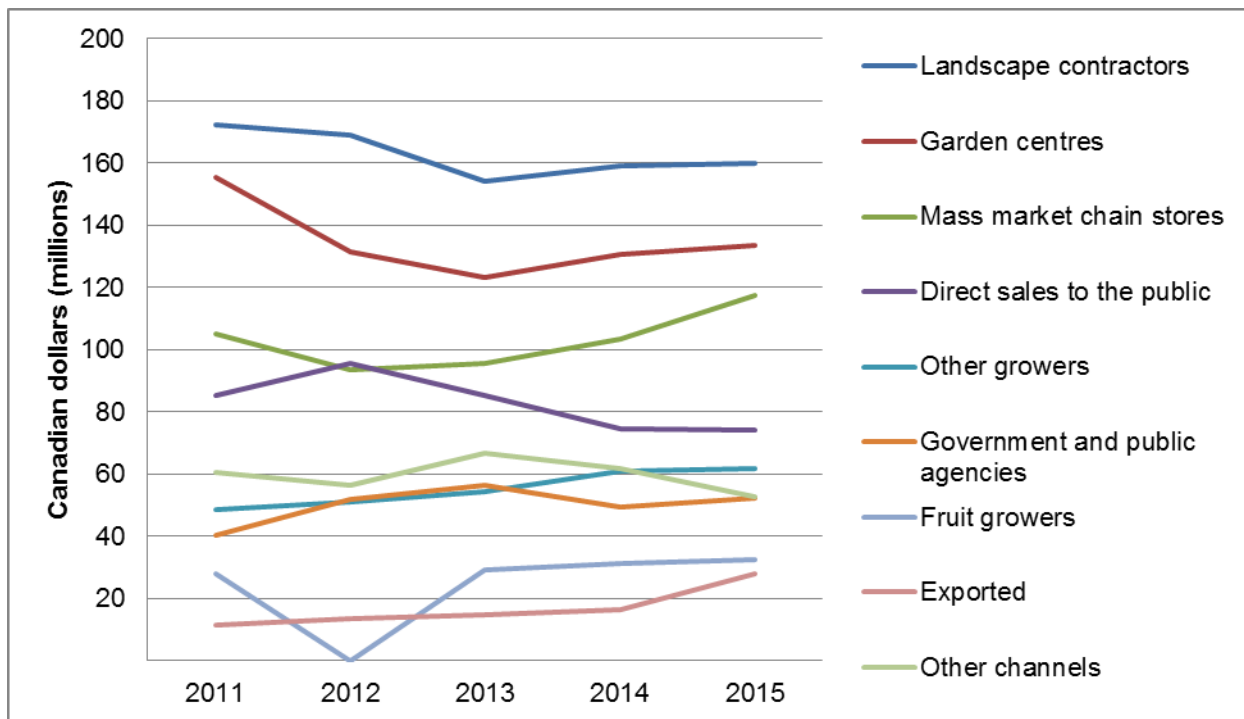
1. Includes roadside stands and owner-operated retail outlets.

F: Too unreliable to be published.

Source: Statistics Canada (CANSIM Table 001-0059)



3.4. Channels of distribution for nursery product sales and resales, 2011–2015



Source: Statistics Canada (CANSIM Table 001-0059)



4. Operating expenses

4.1. Greenhouse flower and plant producers' operating expenses by category (millions of Canadian dollars)

	2011	2012	2013	2014	2015
Gross yearly payroll ¹	320.0	330.5	331.9	338.7	347.1
Plant material purchases for growing on ²	231.4	209.1	213.7	211.1	221.2
Plant material purchases for resale ²	108.1	94.9	131.4	135.0	127.5
Electricity ³	25.7	26.2	25.7	26.9	27.7
Fuel	74.0	64.0	58.2	66.0	61.5
Other crop expenses	110.3	110.4	100.7	107.7	115.7
Other operating expenses	198.8	205.7	218.3	215.4	213.8
Total operating expenses	1,068.2	1,040.8	1,079.9	1,100.8	1,114.4

Notes:

1. Includes seasonal and permanent labour.

2. Includes value of flowers, plants, cuttings, seedlings, seeds and bulbs purchased (before sales tax).

3. Electricity expenses include electricity for lighting, airflow fans, and heating.

Source: Statistics Canada (CANSIM Table 001-0053)

4.2. Greenhouse flower and plant producers' operating expenses by province (millions of Canadian dollars)

	2011	2012	2013	2014	2015
Atlantic provinces	51.1	54.6	47.0	53.8	58.0
Quebec	122.6	109.5	118.6	124.1	114.1
Ontario	578.5	509.8	556.0	566.5	589.2
Prairie provinces	100.7	102.2	105.4	108.3	94.9
British Columbia	215.3	264.7	253.0	248.0	258.2
Canada	1,068.2	1,040.8	1,079.9	1,100.8	1,114.4

Source: Statistics Canada (CANSIM Table 001-0053)



4.3. Nursery operating expenses by category (millions of Canadian dollars)

	2011	2012	2013	2014	2015
Gross yearly payroll ¹	257.8	241.3	227.7	227.2	225.0
Plant material purchases for growing on ²	90.5	76.0	87.4	83.4	84.6
Plant material purchases for resale ²	70.7	75.1	72.6	79.9	83.5
Other operating expenses	228.9	211.0	207.0	213.3	212.5
Total Operating Expenses	647.8	603.4	594.7	603.8	605.7

Notes:

1. Includes seasonal and permanent labour.

2. Includes value of trees, nursery stock, bedding plants, seedlings, cuttings or bulbs purchased before sales tax.

Source: Statistics Canada (CANSIM Table 001-0061)

4.4. Nursery operating expenses by province (millions of Canadian dollars)

	2011	2012	2013	2014	2015
Newfoundland and Labrador	1.1	0.9	0.6	0.6	0.5
Prince Edward Island	x	0.7	0.6	0.7	0.8
Nova Scotia	9.4	9.9	9.2	10.1	9.1
New Brunswick	x	5.0	4.1	4.6	5.5
Quebec	84.8	83.2	90.9	84.4	89.7
Ontario	284.6	261.4	255.8	261.8	255.0
Manitoba	22.8	18.5	12.9	12.3	13.0
Saskatchewan	8.5	7.9	7.2	6.4	6.3
Alberta	48.2	41.1	35.7	44.1	47.9
British Columbia	183.4	174.7	177.7	178.8	178.1
Canada	647.8	603.4	594.7	603.8	605.7

Note:

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

Source: Statistics Canada (CANSIM Table 001-0061)



4.5. Sod operating expenses by category (millions of Canadian dollars)

	2011	2012	2013	2014	2015
Sod purchases for resale	5.0	3.7	3.0	2.6	1.8
Gross yearly payroll ¹	44.4	48.8	48.3	49.0	51.0
Other operating expenses	72.0	80.0	84.5	84.2	84.0
Total operating expenses	121.4	132.5	135.7	135.8	136.8
Notes:					
1. Includes seasonal and permanent labour.					
Source: Statistics Canada (CANSIM Table 001-0061)					

4.6. Sod operating expenses by province (millions of Canadian dollars)

	2011	2012	2013	2014	2015
Newfoundland and Labrador	2.3	2.5	1.9	2.1	2.5
Prince Edward Island	x	0.3	x	x	x
Nova Scotia	5.0	5.4	4.9	4.8	x
New Brunswick	x	1.0	0.5	x	1.1
Quebec	33.6	30.2	31.1	27.4	26.9
Ontario	44.5	58.5	61.6	64.0	61.0
Manitoba	2.7	2.9	x	4.2	4.6
Saskatchewan	3.7	3.2	3.7	4.0	3.8
Alberta	21.4	20.1	19.8	19.5	22.4
British Columbia	6.6	8.3	8.9	8.4	9.8
Canada¹	121.4	132.5	135.7	135.8	136.8
Notes:					
1. Data may not add up as some data was suppressed to meet confidentiality requirements.					
x: Suppressed to meet the confidentiality requirements of the <i>Statistics Act</i> .					
Source: Statistics Canada (CANSIM Table 001-0061)					



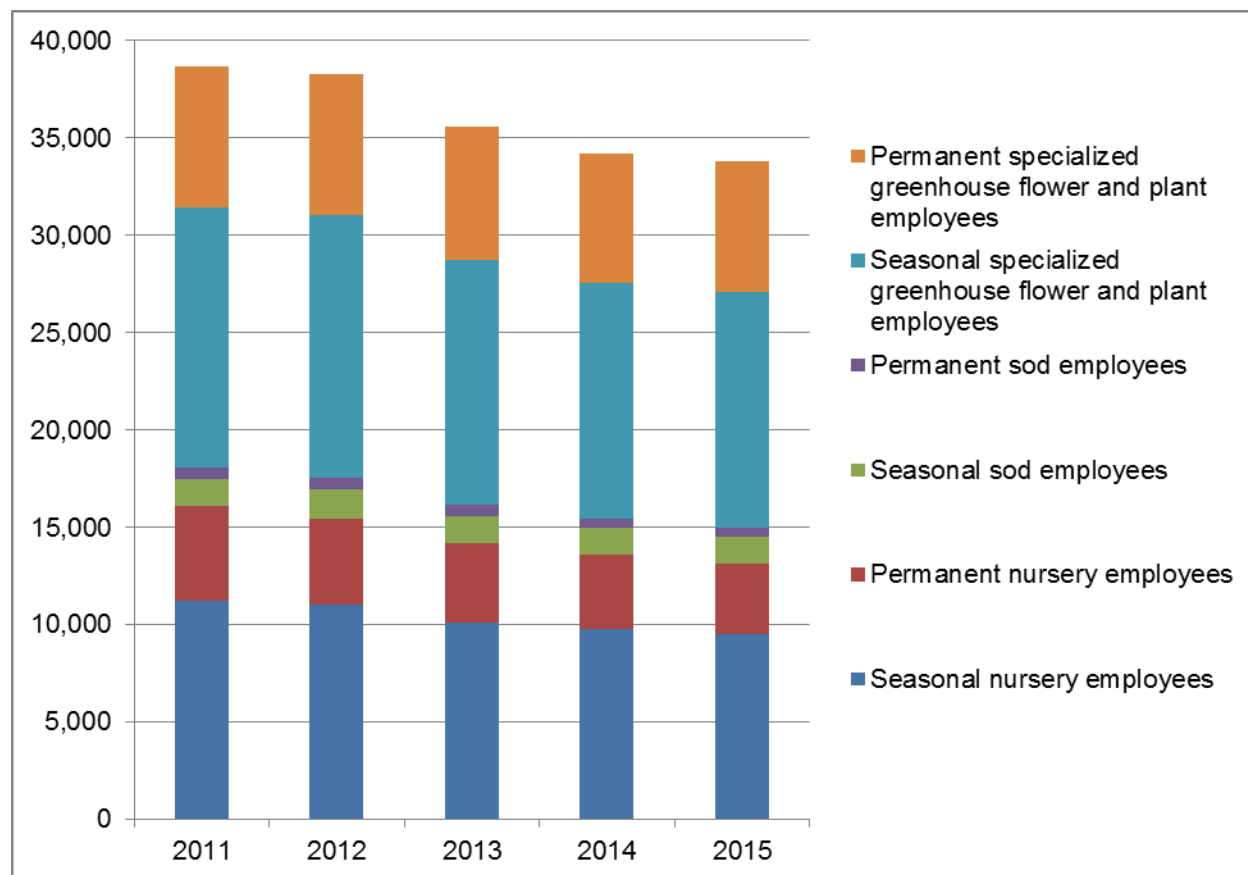
5. Labour

5.1. Nursery, sod and greenhouse flowers total employees

		2011	2012	2013	2014	2015
Nursery	Seasonal employees ¹	11,250	11,015	10,115	9,773	9,487
	Permanent employees ²	4,830	4,455	4,107	3,841	3,665
	Total employees	16,080	15,470	14,222	13,614	13,152
Sod	Seasonal employees ¹	1,390	1,511	1,378	1,337	1,343
	Permanent employees ²	615	586	542	508	510
	Total employees	2,005	2,097	1,920	1,845	1,855
Specialized greenhouse flowers and plants	Seasonal employees ¹	13,325	13,495	12,572	12,115	12,067
	Permanent employees ²	7,260	7,250	6,851	6,596	6,727
	Total employees	20,585	20,745	19,423	18,711	18,794
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 (CANSIM Tables 001-0054 & 001-0055)						



5.2. Total employees by sector, 2011–2015



Source: Statistics Canada (CANSIM Tables 001-0054 & 001-0055)



6. Trade

6.1. Canadian ornamental trade balance by category (thousands of Canadian dollars)

		2011	2012	2013	2014	2015
Bulbs, tubers, tuberous roots, etc.	Exports	15,010	16,459	15,162	18,069	19,662
	Imports	48,434	45,158	48,464	51,250	52,574
	Trade balance	-33,424	-28,700	-33,302	-33,181	-32,912
Other live plants, including their roots, cuttings and slips, etc.	Exports	191,120	186,983	203,952	246,004	300,877
	Imports	162,685	174,247	191,178	204,957	231,406
	Trade balance	28,435	12,736	12,773	41,047	69,471
Cut flowers and flower buds for bouquets or ornamental purposes, etc.	Exports	41,439	43,846	45,806	51,019	62,653
	Imports	124,921	141,861	147,685	156,317	168,052
	Trade balance	-83,482	-98,015	-101,879	-105,298	-105,400
Foliage, branches and other parts of plants, etc.¹.	Exports	48,092	46,140	46,858	51,118	54,954
	Imports	27,764	28,341	30,990	33,350	36,901
	Trade balance	20,328	17,799	15,868	17,768	18,053
Total	Exports	295,661	293,427	311,778	366,211	438,145
	Imports	363,804	389,607	418,317	445,874	488,933
	Overall trade balance	-68,144	-96,180	-106,539	-79,664	-50,789
Note:						
1. Includes Christmas trees.						
Source: Statistics Canada (CATSNet, August 2016)						



6.2. Exports

6.2.1. Canadian floriculture and nursery exports¹ by province (thousands of Canadian dollars)

	2011	2012	2013	2014	2015
Newfoundland and Labrador	3	0	0	0	0
Prince Edward Island	2,933	2,351	2,402	2,530	3,222
Nova Scotia	29,535	27,865	28,531	32,509	28,895
New Brunswick	14,143	13,883	14,217	15,995	20,472
Quebec	30,225	27,249	29,190	28,377	37,627
Ontario	159,524	164,082	170,682	203,866	249,566
Manitoba	659	732	794	925	1,288
Saskatchewan	67	55	61	49	68
Alberta	347	372	410	189	279
British Columbia	58,223	56,803	65,489	81,770	96,724
Canada²	295,661	293,391	311,778	366,211	438,141

Notes:

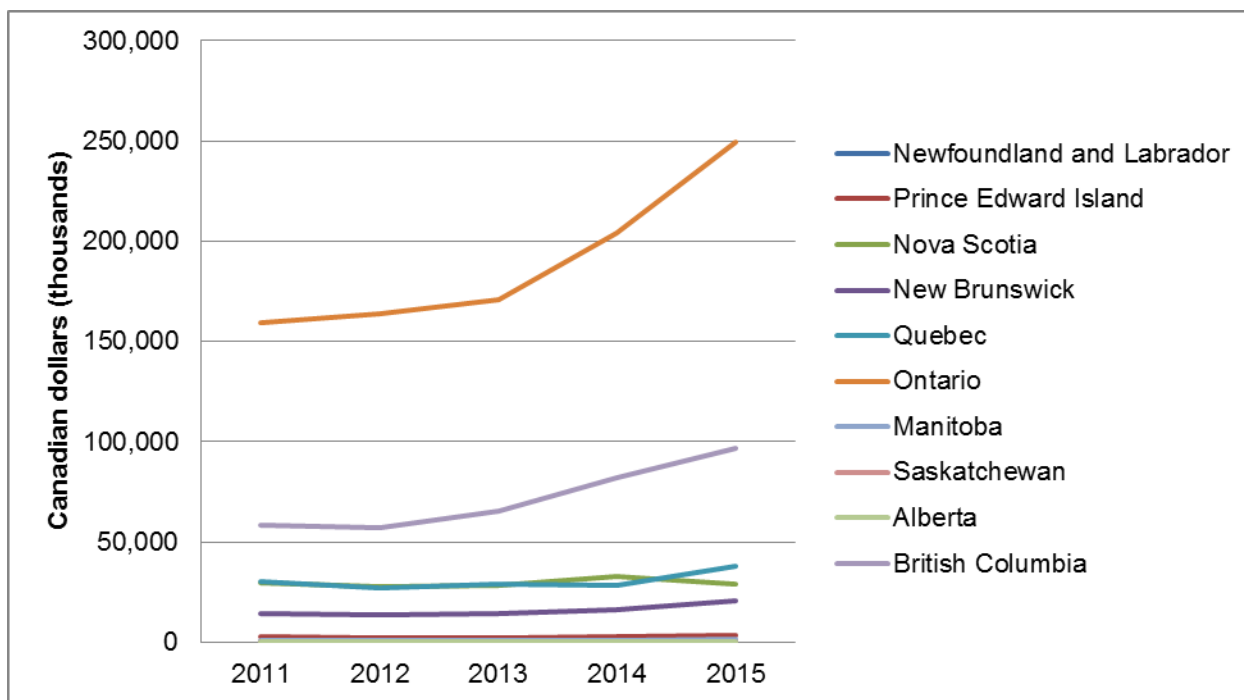
1. Includes Christmas trees.

2. Canada total derived from the sum of available provincial data.

Source: Statistics Canada (CATSNet, August 2016)

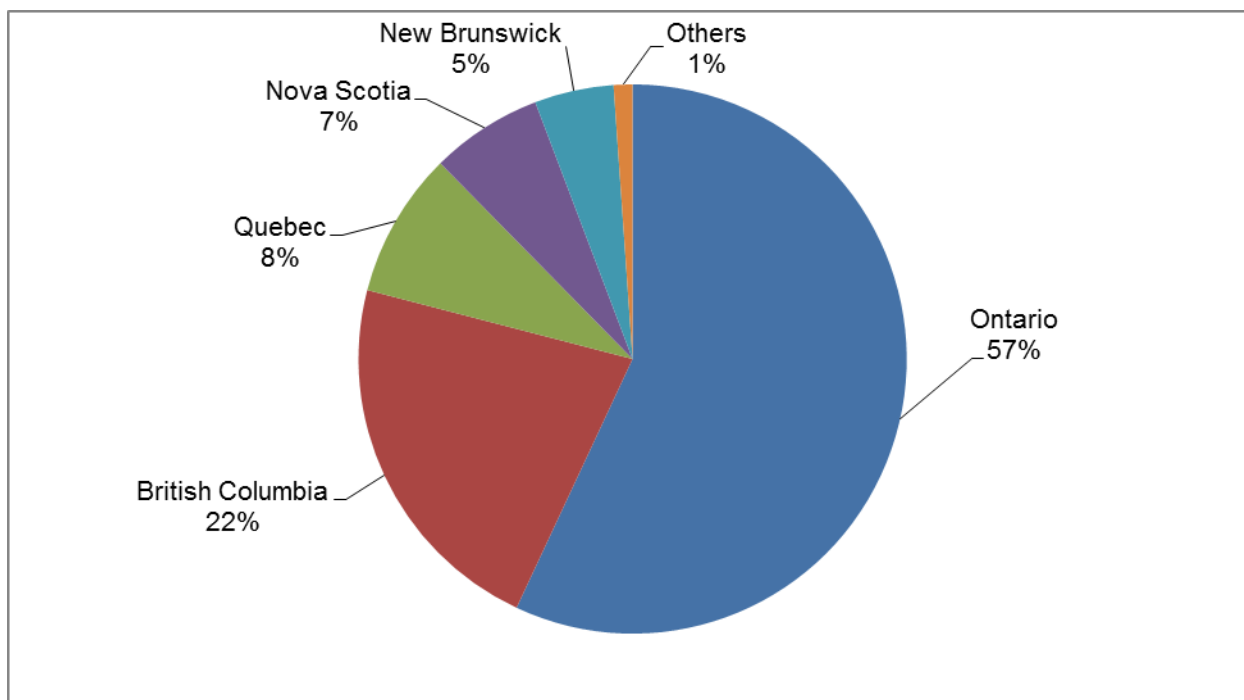


6.2.2. Floriculture and nursery exports by province, 2011–2015



Source: Statistics Canada (CATSNet, August 2016)

6.2.3. Floriculture and nursery exports by province – percent share, 2015



Source: Statistics Canada (CATSNet, August 2016)



6.2.4. Canada's top ten floriculture and nursery¹ export destinations (thousands of Canadian dollars)

	2011	2012	2013	2014	2015
United States	290,331	288,008	307,149	361,646	431,542
Panama	889	1,103	1,345	1,417	3,343
Turkey	0	0	0	0	1,089
Venezuela	520	561	208	285	474
Japan	60	176	106	19	253
Curaçao	0	0	0	301	241
Bermuda	184	195	231	257	219
Aruba	122	148	101	146	136
Australia	0	0	137	243	128
Barbados	79	57	84	84	100
Others	3,477	3,177	2,417	1,814	619
Total	295,661	293,427	311,778	366,211	438,145

Note:

1. Includes Christmas trees.

Source: Statistics Canada (CATSNet, August 2016)



6.2.5. Christmas tree exports by province¹ (thousands of Canadian dollars)

	2011	2012	2013	2014	2015
Prince Edward Island	71	25	14	15	18
Nova Scotia	6,055	6,095	6,287	6,002	8,628
New Brunswick	5,556	4,890	5,206	8,519	7,903
Quebec	15,709	14,765	15,308	17,737	24,373
Ontario	186	286	494	228	473
Manitoba	499	568	604	0	0
Saskatchewan	0	0	0	41	21
British Columbia	27	27	18	18	22
Canada	28,103	26,656	27,932	32,560	41,438

Note:

1. Newfoundland and Labrador and Alberta did not export Christmas trees during the five-year range presented in this table.

Source: Statistics Canada (CATSNet, August 2016)

6.2.6. Christmas tree exports by province¹ (number)

	2011	2012	2013	2014	2015
Prince Edward Island	5,702	1,771	605	550	590
Nova Scotia	492,092	438,104	403,323	375,160	365,095
New Brunswick	319,973	250,307	246,148	267,105	266,669
Quebec	833,146	822,783	819,382	864,687	1,061,691
Ontario	16,595	19,155	32,933	13,904	21,699
Manitoba	55,715	69,246	70,299	0	0
Saskatchewan	0	0	0	4,334	1,665
British Columbia	4,543	4,897	3,049	2,965	2,326
Canada	1,727,766	1,606,263	1,575,739	1,528,705	1,719,735

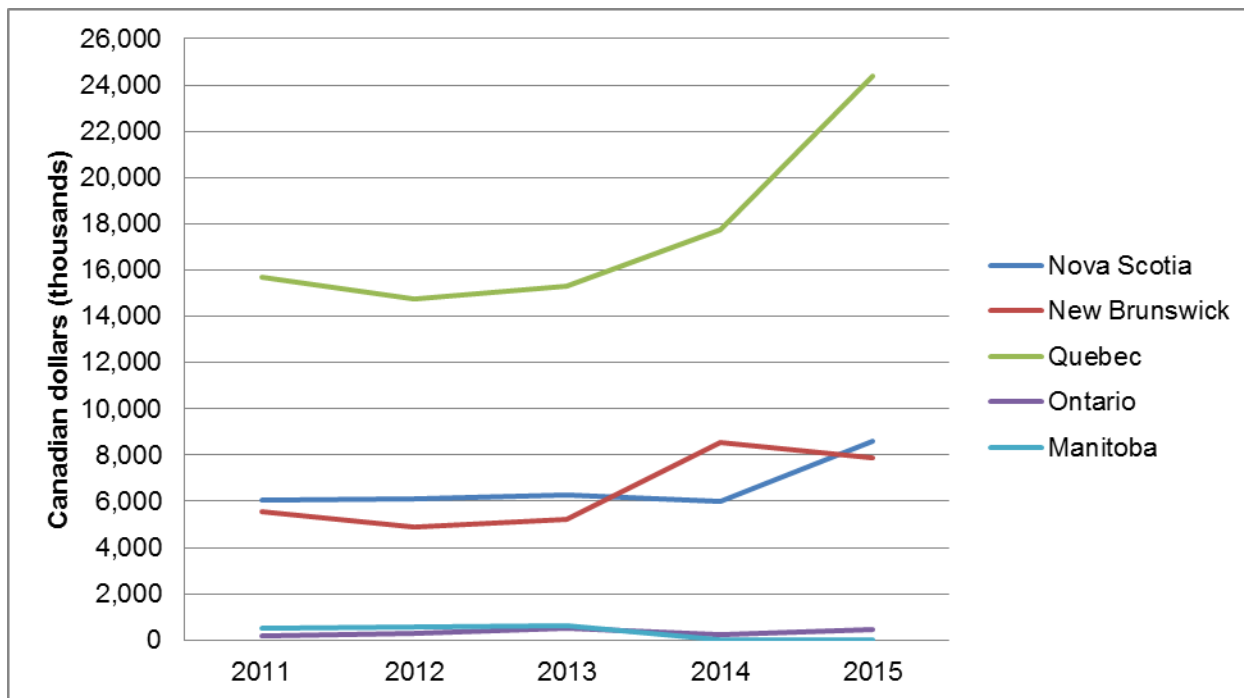
Note:

1. Newfoundland and Labrador and Alberta did not export Christmas trees during the five-year range presented in this table.

Source: Statistics Canada (CATSNet, August 2016)



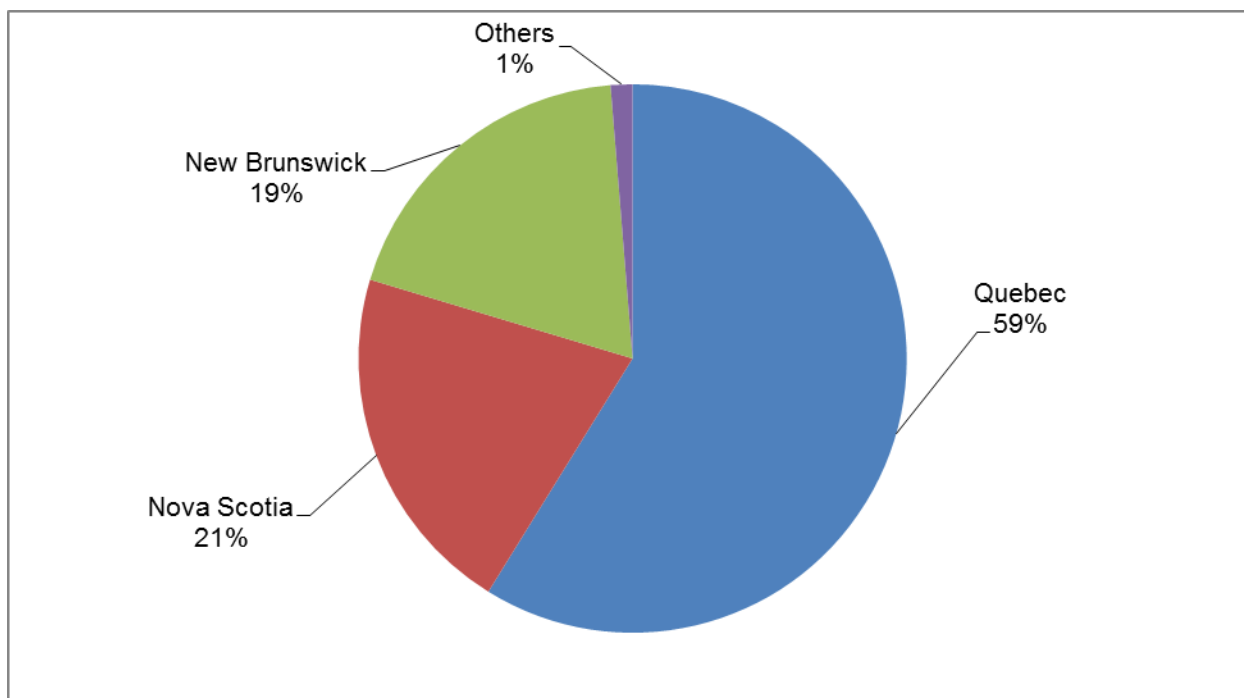
6.2.7. Christmas tree exports by province, 2011–2015



Source: Statistics Canada (CATSNet , August 2016)



6.2.8. Christmas tree exports by province – percentage share, 2015



Source: Statistics Canada (CATSNet , August 2016)

6.2.9. Canada's top ten Christmas tree destinations (thousands of Canadian dollars)

	2011	2012	2013	2014	2015
United States	25,802	24,211	25,533	29,805	36,666
Panama	889	1,103	1,345	1,417	3,343
Venezuela	520	497	208	285	474
Curaçao	0	0	0	301	241
Bermuda	184	195	230	257	219
Aruba	122	148	101	146	136
Barbados	66	44	61	57	79
Sint Maarten (Dutch part)	0	0	0	73	60
United Arab Emirates	29	55	56	23	52
Bahamas	70	60	22	45	33
Others	421	380	375	150	135
Total	28,103	26,692	27,932	32,560	41,438

Source: Statistics Canada (CATSNet, August 2016)



6.2.10. Canada's top ten Christmas tree destinations (number)

	2011	2012	2013	2014	2015
United States	1,589,887	1,469,809	1,535,836	1,477,019	1,634,249
Panama	76,476	88,738	21,314	22,971	53,283
Venezuela	22,236	18,190	3,173	7,616	13,483
Bermuda	7,150	3,810	4,316	5,375	4,921
Curaçao	0	0	0	6,838	4,407
Aruba	6,018	7,046	1,511	2,243	2,270
Barbados	3,658	1,571	1,191	1,123	1,482
United Arab Emirates	1,038	1,625	738	360	1,364
Sint Maarten (Dutch part)	0	0	0	1,734	924
Bahamas	3,855	2,712	338	895	766
Others	17,448	16,310	7,322	2,531	2,586
Total	1,727,766	1,609,811	1,575,739	1,528,705	1,719,735

Source: Statistics Canada (CATSNet, August 2016)

6.2.11. Canada's floriculture and nursery¹ export destinations by U.S. state (thousands of Canadian dollars)

	2011	2012	2013	2014	2015
New York	42,076	43,792	40,326	45,196	51,935
Florida	17,318	18,055	21,456	22,742	33,916
Washington	24,845	25,554	26,447	28,601	33,702
Massachusetts	25,353	26,581	26,039	28,571	31,170
Michigan	15,336	15,614	17,452	19,812	28,058
Illinois	11,475	13,151	14,504	20,700	24,360
Maine	17,716	18,038	18,187	20,123	23,486
Pennsylvania	17,298	14,828	16,081	19,803	22,269
California	8,911	10,439	11,352	16,859	18,565
New Jersey	16,035	16,021	13,981	18,309	18,065
Other U.S. States	93,968	85,935	101,325	120,929	146,016
Total, United States	290,331	288,008	307,149	361,646	431,542

Note:
1. Includes Christmas trees.
Source: Statistics Canada (CATSNet, August 2016)



6.3. Imports

6.3.1. Floriculture and nursery¹ imports by province (thousands of Canadian dollars)

	2011	2012	2013	2014	2015
Newfoundland and Labrador	151	152	187	137	117
Prince Edward Island	9	4	19	7	6
Nova Scotia	1,252	1,073	1,202	1,229	1,302
New Brunswick	3,851	5,386	5,513	6,123	6,280
Quebec	50,837	52,044	55,360	58,212	61,321
Ontario	183,596	199,691	216,755	231,549	254,549
Manitoba	28,016	31,427	32,932	35,594	33,809
Saskatchewan	1,019	1,913	1,465	2,540	5,764
Alberta	7,096	7,505	7,156	7,355	7,221
British Columbia	87,976	90,413	97,729	103,129	118,565
Canada	363,804	389,607	418,317	445,874	488,933

Note:

1. Includes Christmas trees.

Source: Statistics Canada (CATSNet , August 2016)

6.3.2. Top ten sources of Canada's floriculture and nursery¹ imports (thousands of Canadian dollars)

	2011	2012	2013	2014	2015
United States	164,800	178,431	193,140	206,699	227,714
Colombia	68,943	78,723	82,791	91,989	98,089
Netherlands	49,380	46,187	48,552	52,201	53,640
Ecuador	32,348	36,589	41,378	41,936	45,502
Mexico	4,562	4,785	5,521	6,082	7,391
Costa Rica	8,825	8,744	6,825	6,054	7,092
Taiwan	3,981	3,987	4,493	4,510	6,606
Israel	3,782	3,817	3,719	4,878	4,896
Guatemala	3,120	3,790	4,018	3,563	4,119
China	2,886	2,583	2,832	3,058	3,920
Others	21,179	21,971	25,047	24,904	29,965
Total	363,804	389,607	418,317	445,874	488,933

Note:

1. Includes Christmas trees.

Source: Statistics Canada (CATSNet , August 2016)



7. World data

7.1. Top ten exporting countries for floriculture, nursery, and Christmas trees (thousands of Canadian dollars)

	2011	2012	2013	2014	2015
Netherlands	11,138,997	10,590,628	11,077,219	12,162,476	11,828,267
Colombia	1,242,153	1,279,536	1,383,639	1,527,707	1,665,208
Germany	1,055,628	986,760	1,140,835	1,235,920	1,209,787
Ecuador	675,339	739,775	865,038	885,859	1,048,778
Italy	931,530	893,618	912,731	988,773	967,122
Belgium	893,450	870,518	914,992	993,873	756,960
Kenya	506,607	515,047	562,559	697,890	684,999
Denmark	660,284	640,965	669,726	674,958	601,735
United States	418,834	399,851	429,532	466,089	523,062
Canada	297,856	295,691	314,636	368,543	442,212
Others	3,140,955	3,560,451	3,635,400	4,694,013	4,843,420
Total	20,961,634	20,772,841	21,906,309	24,696,103	24,571,550
Source: Global Trade Tracker (August 2016)					

7.2. Top ten importing countries for floriculture, nursery, and Christmas trees (thousands of Canadian dollars)

	2011	2012	2013	2014	2015
Germany	3,892,969	3,617,083	3,552,547	3,898,897	3,742,906
Netherlands	1,916,723	1,944,365	2,158,284	2,469,744	2,939,945
United States	1,768,260	1,860,642	1,965,669	2,176,195	2,559,793
United Kingdom	1,655,558	1,685,771	1,747,438	2,034,611	2,084,464
France	1,384,505	1,285,864	1,366,301	1,454,269	1,410,915
Russia	896,048	981,840	988,365	938,647	917,108
Italy	768,086	683,276	677,216	731,781	738,637
Japan	660,980	716,150	663,109	666,928	709,944
Switzerland	623,409	629,787	658,893	704,681	692,001
Belgium	722,724	648,149	680,890	754,277	509,261
Others	5,629,807	4,746,843	5,369,269	5,865,710	6,091,927
Total	19,919,071	18,799,770	19,827,982	21,695,739	22,396,904
Source: Global Trade Tracker (August 2016)					



8. Key Resources

Global Trade Tracker

Statistics Canada. 2011 Census of Agriculture

Statistics Canada. CANSIM Table 001-0047

Statistics Canada. CANSIM Table 001-0048

Statistics Canada. CANSIM Table 001-0049

Statistics Canada. CANSIM Table 001-0050

Statistics Canada. CANSIM Table 001-0051

Statistics Canada. CANSIM Table 001-0053

Statistics Canada. CANSIM Table 001-0054

Statistics Canada. CANSIM Table 001-0055

Statistics Canada. CANSIM Table 001-0058

Statistics Canada. CANSIM Table 001-0059

Statistics Canada. CANSIM Table 001-0060

Statistics Canada. CANSIM Table 001-0061

Statistics Canada. CANSIM Table 002-0001

Statistics Canada. CATSNet

HS Codes: All import and export H.S. codes fall under Chapter 06 of the Custom Tariff.