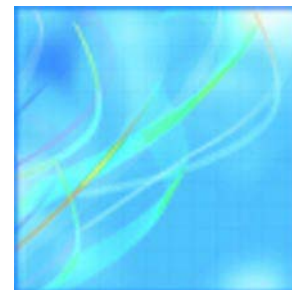


Catalogue no. 22-202-X

# Greenhouse, Sod and Nursery Industries



2009



Statistics  
Canada

Statistique  
Canada

Canada

## How to obtain more information

For information about this product or the wide range of services and data available from Statistics Canada, visit our website at [www.statcan.gc.ca](http://www.statcan.gc.ca), e-mail us at [infostats@statcan.gc.ca](mailto:infostats@statcan.gc.ca), or telephone us, Monday to Friday from 8:30 a.m. to 4:30 p.m., at the following numbers:

### Statistics Canada's National Contact Centre

Toll-free telephone (Canada and the United States):

Inquiries line	1-800-263-1136
National telecommunications device for the hearing impaired	1-800-363-7629
Fax line	1-877-287-4369

Local or international calls:

Inquiries line	1-613-951-8116
Fax line	1-613-951-0581

### Depository Services Program

Inquiries line	1-800-635-7943
Fax line	1-800-565-7757

## To access this product

This product, Catalogue no. 22-202-X, is available free in electronic format. To obtain a single issue, visit our website at [www.statcan.gc.ca](http://www.statcan.gc.ca) and browse by "Key resource" > "Publications."

## Standards of service to the public

Statistics Canada is committed to serving its clients in a prompt, reliable and courteous manner. To this end, Statistics Canada has developed *standards of service* that its employees observe. To obtain a copy of these service standards, please contact Statistics Canada toll-free at 1-800-263-1136. The service standards are also published on [www.statcan.gc.ca](http://www.statcan.gc.ca) under "About us" > "The agency" > "Providing services to Canadians."

Statistics Canada  
Agriculture Division  
Crops Section

# Greenhouse, Sod and Nursery Industries

2009

Published by authority of the Minister responsible for Statistics Canada

© Minister of Industry, 2011

All rights reserved. The content of this electronic publication may be reproduced, in whole or in part, and by any means, without further permission from Statistics Canada, subject to the following conditions: that it be done solely for the purposes of private study, research, criticism, review or newspaper summary, and/or for non-commercial purposes; and that Statistics Canada be fully acknowledged as follows: Source (or "Adapted from", if appropriate): Statistics Canada, year of publication, name of product, catalogue number, volume and issue numbers, reference period and page(s). Otherwise, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form, by any means—electronic, mechanical or photocopy—or for any purposes without prior written permission of Licensing Services, Client Services Division, Statistics Canada, Ottawa, Ontario, Canada K1A 0T6.

April 2011

Catalogue no. 22-202-X

ISSN 1481-9872

Frequency: Annual

Ottawa

Cette publication est également disponible en français.

---

#### **Note of appreciation**

*Canada owes the success of its statistical system to a long-standing partnership between Statistics Canada, the citizens of Canada, its businesses, governments and other institutions. Accurate and timely statistical information could not be produced without their continued cooperation and goodwill.*

# User information

---

## Symbols

The following standard symbols are used in Statistics Canada publications:

- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 0<sup>s</sup> value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
- P preliminary
- r revised
- x suppressed to meet the confidentiality requirements of the *Statistics Act*
- E use with caution
- F too unreliable to be published

## Acknowledgements

The following staff members have contributed to this publication:

Suzanne Danis, Serge DesRoches, Lyn Miljour, Sheba Mirza, Willa Peters-Langlois, Rosaria Spataro and Leah St.Michael.

This publication was prepared under the direction of:

- **Marco Morin**, Chief,  
Crops Section
- **Lorie Shinder**, Head,  
Horticulture Unit

Special thanks are extended to Dawn Patterson and Annick Turcotte from the Collection Planning and Management Division, the staff from the Collection Systems and Infrastructure Division, Wayne Armstrong and Wendell Pitt from the Survey Processing Unit in Agriculture Division, Kimberley Coleman and Jean-Sébastien Provençal from the Business Survey Methods Division as well as the CANSIM and Smart publishing teams from Dissemination Division for their support and contribution to this publication.

### Note to readers

The following tables and chart have been revised:

- 2008 values in Tables 3-1, 3-2, 3-3, 6, 8, 10, 11, 12, 13, 19, 20 and 21
- 2008 values in Chart 1

April 8, 2011

# Table of contents

---

<b>Highlights</b>	<b>5</b>
<b>Charts</b>	
1. Sales progression of greenhouse and nursery products, Canada, 2004-2009	5
<b>Related products</b>	<b>7</b>
<b>Statistical tables</b>	
1 Greenhouse total area and months of operation	10
2 Specialized greenhouse vegetable and fruit producers' area	10
3 Area, production and value	11
3-1 Greenhouse tomatoes	11
3-2 Greenhouse cucumbers	11
3-3 Greenhouse lettuce	12
3-4 Greenhouse peppers	12
4 Vegetable and fruit sales distribution, 2009	13
5 Specialized greenhouse flower and plant producers' area	13
6 Greenhouse flower and plant production and sales by category	14
7 Indoor potted plant production by variety	15
8 Outdoor potted plant production by variety	16
9 Cuttings, tree seedlings and other propagating material	17
10 Greenhouse cut flower production by variety	18
11 Channels of distribution for flower and plant sales and resales	19
12 Total value of greenhouse products	19
13 Total greenhouse producers' operating expenses	20
14 Specialized greenhouse vegetable producers' operating expenses	21
15 Specialized greenhouse flower and plant producers' operating expenses	21
16 Labour - Total greenhouse employees	22
17 Labour - Specialized greenhouse producers	22
18 Nursery area	23
19 Nursery tree and plant production (field and container)	24
20 Nursery stock sales and resales	24
21 Nursery sales distribution	25
22 Sod area, sales and resales	26

**Table of contents – continued**

23	Nursery and sod producers' operating expenses	27
24	Nursery and sod labour	28

**Data quality, concepts and methodology**

	Methodology	29
--	-------------	----

# Highlights

---

## Overall trends

In Canada, the total greenhouse area increased in 2009. This situation was accompanied by an increase in production and sales of greenhouse products. The nursery sector also experienced an increase in sales from 2008.

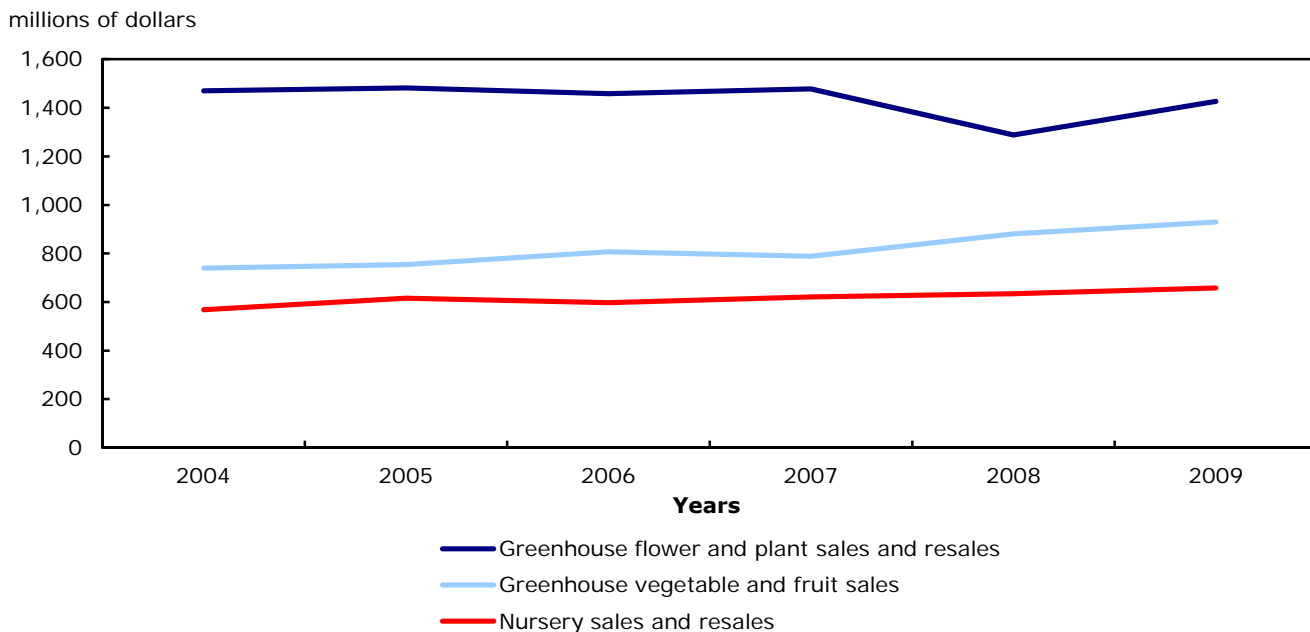
In 2009, the total greenhouse area was 22.9 million square metres, compared with 21.8 million square metres in 2008. Sales of greenhouse products increased by 8.5% amounting to approximately \$2.4 billion in 2009. After a decrease in 2008, flower and plant production and sales have returned to historical levels in 2009.

As for total operating expenses, the cost increased by 8.8% reaching \$2.1 billion in 2009. Labour costs totalled \$578 million and represented 27.2% of total operating expenses for greenhouses. The total number of seasonal and permanent greenhouse workers increased to 38,565 in 2009, a 2.2% increase over 2008.

In 2009, sales of nursery products totalled \$658 million, compared with \$635 million in 2008, an increase of 3.5%. Regarding sod farms, sales of cultivated sod rose by 8.7%, reaching \$142 million in 2009.

### Chart 1

Sales progression of greenhouse and nursery products, Canada, 2004-2009



## Flowers and plants

The survey revealed that production of flowers and plants was responsible for 48.9% of total greenhouse area and represented 60.5% of total sales of greenhouse products in 2009. Total sales of flowers and plants amounted to \$1.4 billion, compared with \$1.3 billion in 2008, which is an increase of 10.8%. Resale of flowers and plants hold 18.6% of total flower and plant sale shares.

Production of potted flowers and plants ranked first, with sales of \$674 million. Sales of ornamental bedding plants and cut flowers reached \$176 and \$138 million respectively. Ornamental bedding plant sales decreased by 20.9% while vegetable bedding plant sales increased by 31.7% between 2008 and 2009.

In 2009, Canadian greenhouses produced more than 218 million potted flowers and plants, 261 million cut flowers, 498 million ornamental bedding plants, 564 million vegetable bedding plants and 96.0 million cuttings.

Costs for specialized producers of greenhouse flowers and plants were more than \$1.0 billion. Labour costs represented 30.1% of total costs for greenhouses specializing in the production of flowers and plants. Labour costs were comparable between 2008 and 2009, however the total number employees decreased by 3.9%, representing 23,405 employees.

## **Greenhouse Vegetables**

Between 2008 and 2009, sales of greenhouse fruits and vegetables increased by 5.2% which amounted to \$929 million. Ontario production represented 60.0% of sales of greenhouse fruits and vegetables in Canada. Sales of tomatoes increased by 10.6% to almost \$434 million. This growth was observed mainly in British Columbia and Ontario. Sales of peppers, cucumbers and lettuce reached \$230 million, \$227 million and \$21.9 million respectively. Despite an increase of 7.6% in the production of peppers, sales went down by 2.4% in 2009. Imports of Holland peppers at low prices had a negative impact for Canadian producers.

Total operating costs for specialized fruit and vegetable producers reached \$853 million in 2009. Other operating expenses which included interest, property taxes, insurance, packaging, repairs and labour contracts was estimated at \$285 million which represented one third of the total costs. Labour costs, the principal expenditure item, totalled \$204 million, accounting for one quarter of total operating expenditures.

## **Nurseries and sod farms**

From 2008 to 2009, nursery sales have increased by 3.5% to reach \$658 million. The total sales of nursery products were represented by Ontario (46.8%), British Columbia (29.9%) and Quebec (11.8%). Resale activities of nursery products, for example, the sale of products not grown on site, represented 24.2% of total sales. Nursery products were principally sold to landscape contractors (24.5%), garden centres (22.4%), mass market chain stores (14.4%) as well as direct sales (9.9%).

The survey provides information on nursery plants produced in the field and in containers. The different categories of cultivated plants appear here in decreasing order of importance in terms of volume: tree seedlings, fruit-bearing plants and shrubs, conifers, perennials and deciduous shrubs (including rose bushes). Tree seedlings produced in both greenhouses and nurseries reached 387 million trees.

In 2009, total costs for producers of nursery operators increased by 13.3% reaching \$579 million. Labour costs were estimated at \$218 million and represented 37.6% of total operating costs. In 2009, nurseries employed 14,260 seasonal and permanent workers, of this total 71.5% were seasonal workers.

In Canada, nearly 200 farms were involved in sod cultivation. The total sod area increased by 6.0% to 23,933 hectares. A total of 9,834 hectares of sod were sold in 2009. Alberta, Ontario and Quebec are among the main sod-producing provinces. In 2009, total sales of sod, including resale activities, rose to \$151 million which is an increase of 13.9% compared to 2008.

In 2009, costs for sod producers increased by 8.0% reaching \$114 million. The principal expenditure was other operating costs which amounted to \$66.0 million. This estimate included expenditures for fertilizer, pesticides, property taxes, interest, insurance, repairs, fuel, and electricity. Labour costs totalled \$43.3 million. The sod sector employed 1,835 workers, of whom three quarters were seasonal workers.



## Related products

---

### Selected publications from Statistics Canada

---

21-010-X	Net Farm Income - Agriculture Economic Statistics
21-011-X	Farm Cash Receipts - Agriculture Economic Statistics
21-206-X	Statistics on Income of Farm Operators
22-003-X	Fruit and Vegetable Production
22-008-U	Canadian Potato Production - Updates
23-221-X	Production and Value of Honey and Maple Products

---

### Selected CANSIM tables from Statistics Canada

---

001-0006	Production and value of greenhouse vegetables, annual
001-0046	Estimates of greenhouse total area and months of operation, annual
001-0047	Estimates of specialized greenhouse operations, greenhouse area, and months of operation, annual
001-0048	Production and sale of greenhouse flowers and plants by category, annual
001-0049	Production of potted plants, cut flowers, cuttings, by variety and tree seedlings, annual
001-0050	Channels of distribution for horticulture product sales and resales, annual
001-0051	Total value of greenhouse products, annual
001-0052	Greenhouse producers' operating expenses, annual
001-0053	Specialized greenhouse producers' operating expenses, annual
001-0054	Total greenhouse, sod and nursery employees, annual
001-0055	Total specialized greenhouse employees, annual
001-0056	Estimates of nursery area, annual
001-0057	Nursery tree and plant production, annual
001-0058	Nursery stock sales and resales, annual
001-0059	Channels of distribution for nursery product sales and resales, annual

001-0060	Estimates of sod area, sales and resales, annual
001-0061	Nursery and sod producers' operating expenses, annual

---

### **Selected surveys from Statistics Canada**

---

3416	Annual Greenhouse, Sod and Nursery Survey
------	---

---

# Statistical tables

---

---

**Table 1**  
**Greenhouse total area and months of operation**

	Total greenhouses	Area								Total months of operation	
		Total greenhouse area		Glass		Rigid plastic <sup>1</sup>		Poly-film			
		number	square feet	square metres	square feet	square metres	square feet	square metres	square feet		square metres
<b>2008</b>											
Newfoundland and Labrador	50	714,325	66,363	x	x	x	x	628,400	58,380		320
Prince Edward Island	15	270,950	25,172	x	x	x	x	252,300	23,439		84
Nova Scotia	105	2,078,500	193,099	F	F	41,700	3,874	1,411,700	131,151		675
New Brunswick	75	1,744,025	162,025	x	x	x	x	1,698,300	157,777		465
Quebec	740	26,936,100	2,502,444	3,168,100	294,326	1,886,000	175,215	21,882,000	2,032,903		5,240
Ontario	1,190	135,675,700	12,604,680	35,275,000	3,277,153	16,882,000	1,568,388	83,518,700	7,759,138		10,522
Manitoba	125	3,275,100	304,267	1,900 <sup>E</sup>	177 <sup>E</sup>	F	F	2,972,300	276,136		750
Saskatchewan	145	2,237,350	207,857	78,000	7,246	222,350	20,657	1,937,000	179,953		825
Alberta	335	10,419,000	967,956	820,350	76,213	1,221,250	113,458	8,377,400	778,286		2,400
British Columbia	515	51,755,600	4,808,251	36,436,800	3,385,088	2,300,000	213,677	13,018,800	1,209,486		4,500
<b>Canada</b>	<b>3,295</b>	<b>235,106,650</b>	<b>21,842,113</b>	<b>76,440,550</b>	<b>7,101,556</b>	<b>22,969,200</b>	<b>2,133,908</b>	<b>135,696,900</b>	<b>12,606,649</b>		<b>25,781</b>
<b>2009</b>											
Newfoundland and Labrador	50	743,150	69,041	F	F	70,150	6,517	665,220	61,801		330
Prince Edward Island	15	322,780	29,987	x	x	F	F	258,910 <sup>E</sup>	24,054 <sup>E</sup>		99
Nova Scotia	100	2,283,490	212,143	F	F	F	F	1,516,440	140,882		655
New Brunswick	70	1,844,630	171,372	F	F	9,020 <sup>E</sup>	838 <sup>E</sup>	1,804,390	167,633		430
Quebec	730	28,744,110	2,670,414	4,084,150	379,430	2,596,780	241,249	22,063,180	2,049,736		5,060
Ontario	1,250	143,205,450	13,304,216	39,580,130	3,677,113	10,434,490	969,395	93,190,830	8,657,708		10,310
Manitoba	115	4,382,620 <sup>E</sup>	407,159 <sup>E</sup>	x	x	F	F	F	F		810
Saskatchewan	145	2,117,000	196,676	F	F	195,000	18,116	1,850,000	171,871		865
Alberta	335	10,973,100	1,019,434	676,660	62,864	380,090	35,312	9,916,350	921,259		2,460
British Columbia	495	52,882,940	4,912,984	38,072,760	3,537,074	F	F	12,610,410	1,171,545		4,060
<b>Canada</b>	<b>3,305</b>	<b>247,499,270</b>	<b>22,993,425</b>	<b>83,191,630</b>	<b>7,728,752</b>	<b>16,268,990</b>	<b>1,511,438</b>	<b>148,038,650</b>	<b>13,753,235</b>		<b>25,079</b>

1. Includes all other types of enclosed protection used for growing plants, such as rigid insulation, mine shafts, barns and shelters.

**Note(s):** Includes greenhouse vegetables and greenhouse flowers.

**Table 2**  
**Specialized greenhouse vegetable and fruit producers' area**

	Total greenhouses	Area								Total months of operation	
		Total greenhouse area		Glass		Rigid plastic <sup>1</sup>		Poly-film			
		number	square feet	square metres	square feet	square metres	square feet	square metres	square feet		square metres
<b>2008</b>											
Atlantic provinces	45	F	F	x	x	31,000	2,880	F	F		310
Quebec	170	6,533,500	606,982	F	F	F	F	4,346,660	403,818		1,320
Ontario	215	79,476,204	7,383,578	18,710,317	1,738,245	10,869,200	1,009,781	49,896,687	4,635,552		2,225
Prairie provinces	95	3,773,700	350,588	74,500 <sup>E</sup>	6,921 <sup>E</sup>	F	F	3,228,300	299,919		825
British Columbia	105	27,825,300	2,585,054	25,499,500	2,368,980	543,400	50,483	F	F		900
<b>Canada</b>	<b>630</b>	<b>118,121,104</b>	<b>10,973,805</b>	<b>46,222,387</b>	<b>4,294,198</b>	<b>12,284,770</b>	<b>1,141,292</b>	<b>59,613,947</b>	<b>5,538,315</b>		<b>5,580</b>
<b>2009</b>											
Atlantic provinces	30	472,130 <sup>E</sup>	43,862 <sup>E</sup>	F	F	x	x	333,460 <sup>E</sup>	30,979 <sup>E</sup>		199
Quebec	190	8,014,680	744,588	F	F	F	F	4,578,950	425,398		1,487
Ontario	240	81,411,390	7,563,362	23,067,610	2,143,050	6,938,130	644,573	51,405,650	4,775,739		2,840
Prairie provinces	80	4,521,950	420,103	x	x	F	F	4,345,160	403,678		730
British Columbia	105	28,256,455	2,625,109	26,198,920	2,433,958	F	F	1,894,495 <sup>E</sup>	176,004 <sup>E</sup>		920
<b>Canada</b>	<b>645</b>	<b>122,676,605</b>	<b>11,397,025</b>	<b>51,689,370</b>	<b>4,802,098</b>	<b>8,429,520</b>	<b>783,128</b>	<b>62,557,715</b>	<b>5,811,799</b>		<b>6,176</b>

1. Includes all other types of enclosed protection used for growing plants, such as rigid insulation, mine shafts, barns and shelters.

**Table 3-1**  
**Area, production and value — Greenhouse tomatoes**

	Area		Production		Farm gate value
	square feet	square metres	pounds	kilograms	dollars
<b>2008</b>					
Newfoundland and Labrador	18,550 <sup>E</sup>	1,723 <sup>E</sup>	F	F	F
Prince Edward Island	x	x	x	x	x
Nova Scotia	F	F	F	F	F
New Brunswick	F	F	F	F	F
Quebec	5,844,600 <sup>r</sup>	542,981 <sup>r</sup>	46,255,600 <sup>Er</sup>	20,981,187 <sup>Er</sup>	60,465,800 <sup>Er</sup>
Ontario	32,501,000	3,019,440	300,903,000	136,487,305	216,579,000
Manitoba	59,500	5,528	F	F	F
Saskatchewan	54,200 <sup>Er</sup>	5,035 <sup>Er</sup>	173,100 <sup>Er</sup>	78,517 <sup>Er</sup>	373,700 <sup>r</sup>
Alberta	920,000	85,471	8,870,500	4,023,591	8,188,700
British Columbia	11,849,700	1,100,873	118,481,250	53,742,191	100,442,300
<b>Canada</b>	<b>51,931,400<sup>r</sup></b>	<b>4,824,583<sup>r</sup></b>	<b>480,228,250<sup>r</sup></b>	<b>217,827,870<sup>r</sup></b>	<b>392,265,700<sup>r</sup></b>
<b>2009</b>					
Newfoundland and Labrador	16,920	1,572	13,300 <sup>E</sup>	6,033 <sup>E</sup>	16,590 <sup>E</sup>
Prince Edward Island	F	F	F	F	F
Nova Scotia	F	F	F	F	F
New Brunswick	32,800	3,047	124,000 <sup>E</sup>	56,245 <sup>E</sup>	145,000 <sup>E</sup>
Quebec	5,540,120	514,694	45,141,380 <sup>E</sup>	20,475,786 <sup>E</sup>	55,669,850 <sup>E</sup>
Ontario	34,072,190	3,165,409	313,943,770	142,402,499	241,304,510
Manitoba	45,190	4,198	185,120	83,969	330,350
Saskatchewan	F	F	F	F	F
Alberta	1,000,000	92,903	10,809,225	4,902,982	10,232,050
British Columbia	12,150,690 <sup>E</sup>	1,128,836 <sup>E</sup>	132,268,190 <sup>E</sup>	59,995,842 <sup>E</sup>	120,644,150 <sup>E</sup>
<b>Canada</b>	<b>53,510,860</b>	<b>4,971,319</b>	<b>507,497,465</b>	<b>230,196,978</b>	<b>434,018,490</b>

**Table 3-2**  
**Area, production and value — Greenhouse cucumbers**

	Area		Production	Farm gate value
	square feet	square metres	dozens	dollars
<b>2008</b>				
Newfoundland and Labrador	x	x	x	x
Prince Edward Island	x	x	x	x
Nova Scotia	F	F	F	F
New Brunswick	F	F	F	F
Quebec	1,119,700 <sup>r</sup>	104,023 <sup>r</sup>	370,400 <sup>r</sup>	3,135,600 <sup>r</sup>
Ontario	23,387,000	2,172,722	22,736,000	150,658,000
Manitoba	F	F	F	F
Saskatchewan	F	F	F	F
Alberta	2,032,350 <sup>r</sup>	188,811 <sup>r</sup>	6,435,500 <sup>r</sup>	18,621,700 <sup>r</sup>
British Columbia	4,795,000	445,470	4,975,500	40,446,240
<b>Canada</b>	<b>31,515,910<sup>r</sup></b>	<b>2,927,923<sup>r</sup></b>	<b>34,658,730<sup>r</sup></b>	<b>214,232,530<sup>r</sup></b>
<b>2009</b>				
Newfoundland and Labrador	1,430 <sup>E</sup>	133 <sup>E</sup>	170 <sup>E</sup>	2,240 <sup>E</sup>
Prince Edward Island	x	x	x	x
Nova Scotia	F	F	F	F
New Brunswick	F	F	F	F
Quebec	746,030	69,308	205,010 <sup>E</sup>	1,853,400
Ontario	24,420,340	2,268,723	23,651,280	163,240,743
Manitoba	7,220	671	3,660	36,140 <sup>E</sup>
Saskatchewan	F	F	F	F
Alberta	1,700,000	157,935	1,800,000	15,500,000
British Columbia	4,339,890	403,189	F	44,045,090
<b>Canada</b>	<b>31,487,320</b>	<b>2,925,266</b>	<b>31,058,405</b>	<b>226,627,223</b>

**Table 3-3**  
**Area, production and value — Greenhouse lettuce**

	Area		Production		Farm gate value
	square feet	square metres	heads		dollars
<b>2008</b>					
Newfoundland and Labrador	x	x	x		x
Prince Edward Island	x	x	x		x
Nova Scotia	13,300	1,236	3,400		13,400
New Brunswick	F	F	F		F
Quebec	1,229,400 <sup>E</sup>	114,215 <sup>E</sup>	F		F
Ontario	263,000 <sup>E</sup>	24,433 <sup>E</sup>	x		x
Manitoba	0	0	0		0
Saskatchewan	F	F	F		F
Alberta	F	F	F		F
British Columbia	F	F	F		F
<b>Canada</b>	<b>1,673,096<sup>Er</sup></b>	<b>155,436<sup>Er</sup></b>	<b>18,540,420</b>		<b>20,052,775</b>
<b>2009</b>					
Newfoundland and Labrador	x	x	x		x
Prince Edward Island	F	F	F		F
Nova Scotia	19,360 <sup>E</sup>	1,799 <sup>E</sup>	F		F
New Brunswick	x	x	x		x
Quebec	F	F	F		F
Ontario	308,940 <sup>E</sup>	28,701 <sup>E</sup>	F		4,021,740 <sup>E</sup>
Manitoba	4,500 <sup>E</sup>	418 <sup>E</sup>	F		F
Saskatchewan	F	F	F		x
Alberta	F	F	F		F
British Columbia	F	F	F		F
<b>Canada</b>	<b>1,975,730</b>	<b>183,551</b>	<b>20,051,570<sup>E</sup></b>		<b>21,993,260</b>

**Table 3-4**  
**Area, production and value — Greenhouse peppers**

	Area		Production		Farm gate value
	square feet	square metres	pounds	kilograms	dollars
<b>2008</b>					
Newfoundland and Labrador	0	0	0	0	0
Prince Edward Island	x	x	x	x	x
Nova Scotia	20,000 <sup>E</sup>	1,858 <sup>E</sup>	F	F	19,900 <sup>E</sup>
New Brunswick	F	F	F	F	F
Quebec	F	F	F	F	F
Ontario	22,328,000	2,074,338	116,872,000	53,012,247	149,563,000
Manitoba	F	F	F	F	F
Saskatchewan	F	F	F	F	x
Alberta	682,200	63,378	3,391,800	1,538,495	5,744,450
British Columbia	13,200,000	1,226,320	62,747,500	28,461,787	80,128,250
<b>Canada</b>	<b>36,309,090</b>	<b>3,373,223</b>	<b>183,230,490</b>	<b>83,111,952</b>	<b>235,807,000</b>
<b>2009</b>					
Newfoundland and Labrador	2,740 <sup>E</sup>	255 <sup>E</sup>	6,720 <sup>E</sup>	3,048 <sup>E</sup>	F
Prince Edward Island	x	x	x	x	x
Nova Scotia	8,050 <sup>E</sup>	748 <sup>E</sup>	4,520 <sup>E</sup>	2,050 <sup>E</sup>	F
New Brunswick	3,000 <sup>E</sup>	279 <sup>E</sup>	F	F	F
Quebec	F	F	F	F	F
Ontario	22,885,600	2,126,141	122,348,220	55,496,219	139,025,390
Manitoba	4,120 <sup>E</sup>	383 <sup>E</sup>	5,290	2,400	7,960 <sup>E</sup>
Saskatchewan	F	F	F	F	F
Alberta	900,000	83,613	4,850,000	2,199,923	6,500,000
British Columbia	13,400,000	1,244,900	69,700,000	31,615,388	84,200,000
<b>Canada</b>	<b>37,278,160</b>	<b>3,463,253</b>	<b>197,150,380</b>	<b>89,425,908</b>	<b>230,191,380</b>

**Table 4**  
**Vegetable and fruit sales distribution, 2009 <sup>1</sup>**

	Domestic wholesalers	Mass market chain stores	Other greenhouses	Exported	Direct <sup>2</sup> sales to the public	Other channels	Total sales
dollars							
Newfoundland and Labrador	0	x	0	0	35,720	x	209,180 <sup>E</sup>
Prince Edward Island	x	x	0	0	F	x	F
Nova Scotia	F	F	0	0	F	x	F
New Brunswick	0	0	0	0	x	x	231,520 <sup>E</sup>
Quebec	23,209,160	38,548,400 <sup>E</sup>	x	9,959,195 <sup>E</sup>	3,762,345	x	76,645,340
Ontario	401,041,330	29,109,332	F	21,221,072 <sup>E</sup>	F	88,652,530	557,604,840
Manitoba	x	x	x	x	239,100 <sup>E</sup>	x	557,810
Saskatchewan	0	x	x	0	F	x	F
Alberta	21,382,050	F	x	0	F	5,327,000 <sup>E</sup>	33,777,050
British Columbia	83,622,450	55,742,060	F	F	1,994,540 <sup>E</sup>	40,109,290 <sup>E</sup>	251,338,760
<b>Canada</b>	<b>534,876,330</b>	<b>127,845,172</b>	<b>19,878,286 <sup>E</sup></b>	<b>94,665,337 <sup>E</sup></b>	<b>15,551,605</b>	<b>136,076,690</b>	<b>928,981,000</b>

1. Before sales tax.
2. Includes roadside stands and owner-operated retail outlets.

**Table 5**  
**Specialized greenhouse flower and plant producers' area**

	Total greenhouses	Area								Total months of operation
		Total greenhouse area		Glass		Rigid plastic <sup>1</sup>		Poly-film		
	number	square feet	square metres	square feet	square metres	square feet	square metres	square feet	square metres	number
<b>2008</b>										
Atlantic provinces	170	3,527,600	327,725	F	F	125,600	11,669	3,113,000	289,207	1,050
Quebec	440	15,022,680	1,395,652	F	F	F	F	12,524,100	1,163,526	3,005
Ontario	885	45,795,540	4,254,543	14,158,390	1,315,357	5,282,800	490,788	26,354,350	2,448,398	7,710
Prairie provinces	445	10,813,850	1,004,639	440,500	40,924	1,008,550	93,697	9,364,800	870,018	2,850
British Columbia	350	18,024,160	1,674,499	7,732,980	718,417	2,191,700	203,616	F	F	3,190
<b>Canada</b>	<b>2,290</b>	<b>93,183,830</b>	<b>8,657,057</b>	<b>23,694,700</b>	<b>2,201,309</b>	<b>10,033,400</b>	<b>932,133</b>	<b>59,455,730</b>	<b>5,523,616</b>	<b>17,805</b>
<b>2009</b>										
Atlantic provinces	170	3,905,640	362,846	F	F	F	F	3,391,610	315,091	1,068
Quebec	410	15,400,380	1,430,742	1,271,630 <sup>E</sup>	118,138 <sup>E</sup>	1,225,550	113,857	12,903,200	1,198,746	2,640
Ontario	830	46,384,820	4,309,289	13,281,990	1,233,937	3,387,250	314,686	29,715,580	2,760,667	6,560
Prairie provinces	420	11,675,230	1,084,664	377,360	35,058	625,720	58,131	10,672,150	991,475	2,828
British Columbia	300	17,696,675	1,644,074	6,819,540	633,556	F	F	8,995,265	835,687	2,540
<b>Canada</b>	<b>2,130</b>	<b>95,062,745</b>	<b>8,831,614</b>	<b>22,047,590</b>	<b>2,048,287</b>	<b>7,337,350</b>	<b>681,662</b>	<b>65,677,805</b>	<b>6,101,665</b>	<b>15,636</b>

1. Includes all other types of enclosed protection used for growing plants, such as rigid insulation, mine shafts, barns and shelters.

**Table 6**  
**Greenhouse flower and plant production and sales by category**

	Total potted plants		Total cuttings <sup>1</sup>		Total cut flowers	
	Production	Sales	Production	Sales	Production	Sales
	pots	dollars	number	dollars	number	dollars
<b>2008</b>						
Newfoundland and Labrador	479,310	2,346,670	x	x	x	x
Prince Edward Island	78,050	325,000	0	0	x	x
Nova Scotia	F	F	0	0	F	F
New Brunswick	2,607,545	10,680,600 E	x	x	x	x
Quebec	43,453,240	107,121,000	F	5,019,020	F	F
Ontario	113,157,924 r	326,819,900	23,818,730	16,305,990	154,923,520	75,792,100
Manitoba	F	14,478,950 E	F	F	x	x
Saskatchewan	2,778,825 r	5,427,800	63,800 E	7,000	F	x
Alberta	7,564,950	33,899,300	3,848,800 E	2,645,800	F	F
British Columbia	35,379,660	141,536,800	F	26,373,200	83,877,910 r	44,183,885
<b>Canada</b>	<b>211,556,570 r</b>	<b>650,711,420</b>	<b>78,419,870</b>	<b>55,515,310</b>	<b>248,257,950 r</b>	<b>127,343,695</b>
<b>2009</b>						
Newfoundland and Labrador	725,340	3,800,500	0	0	x	x
Prince Edward Island	F	F	0	0	x	x
Nova Scotia	F	6,668,070 E	0	0	x	x
New Brunswick	F	8,512,550 E	F	F	F	F
Quebec	40,885,850	102,526,400	F	5,294,970	F	F
Ontario	121,383,710	351,820,870	28,459,370	x	174,969,607	90,942,860
Manitoba	F	F	F	F	F	F
Saskatchewan	1,770,720 E	6,780,000	F	x	0	0
Alberta	10,633,270	40,647,000	F	4,074,200 E	x	x
British Columbia	32,515,820	130,400,850	33,268,190 E	29,993,910	77,396,855	40,813,540
<b>Canada</b>	<b>218,237,005</b>	<b>673,848,890</b>	<b>96,039,840</b>	<b>63,484,590</b>	<b>260,787,956</b>	<b>138,050,000</b>
<b>Bedding plants, ornamental</b>						
Production		Sales		Bedding plants, vegetables		
number		dollars		number		dollars
<b>2008</b>						
Newfoundland and Labrador	5,111,700	2,531,325		331,650		236,500 E
Prince Edward Island	1,060,000 E	1,040,200		94,600 E		68,800 E
Nova Scotia	F	3,071,100		F		519,700
New Brunswick	x	12,441,900		x		1,641,500
Quebec	91,498,400	38,184,900		F		14,500,000
Ontario	222,541,110	78,948,600		302,935,286		26,032,550
Manitoba	F	F		4,042,000		1,809,100
Saskatchewan	14,739,000	6,548,000		2,454,000		903,000
Alberta	37,455,800	24,642,200		3,518,200		2,892,850
British Columbia	78,837,000	40,432,250		37,193,100		11,278,400
<b>Canada</b>	<b>618,832,810</b>	<b>223,121,675</b>		<b>520,933,036</b>		<b>59,882,400</b>
<b>2009</b>						
Newfoundland and Labrador	4,122,520	2,556,550		224,560		201,290
Prince Edward Island	F	F		F		50,670 E
Nova Scotia	6,786,880	2,643,410		F		489,000
New Brunswick	F	F		F		F
Quebec	80,274,670	33,503,960		148,000,000		13,173,410
Ontario	153,531,240	56,253,780		348,965,260		44,833,320
Manitoba	F	F		5,011,710 E		2,360,000
Saskatchewan	F	7,200,000		2,758,800 E		1,100,000
Alberta	28,141,300	18,939,800		4,913,500		F
British Columbia	28,596,260	17,257,550		F		F
<b>Canada</b>	<b>497,878,230</b>	<b>176,279,110</b>		<b>563,847,715</b>		<b>78,847,310</b>

1. Excludes tree seedling plant sales.



**Table 7**  
**Indoor potted plant production by variety**

	Azaleas	Lilies	Poinsettias	African violets	Tropical foliage and green plants	Gerberas	Miniature roses	Orchids
pots								
<b>2008</b>								
Newfoundland and Labrador	x	x	x	x	x	6,100 <sup>E</sup>	0	0
Prince Edward Island	0	x	x	0	0	0	0	0
Nova Scotia	x	F	F	0	F	F	x	0
New Brunswick	x	F	211,270	x	55,660	9,340 <sup>E</sup>	x	x
Quebec	x	F	687,150	x	1,141,850 <sup>E</sup>	183,100 <sup>E</sup>	F	x
Ontario	1,260,190	3,268,480	4,237,344	F	F	2,693,300	6,447,710	3,385,500
Manitoba	x	F	F	x	F	5,400	500 <sup>E</sup>	x
Saskatchewan	F	F	F	x	F	4,000	F	0
Alberta	F	63,800 <sup>E</sup>	378,200	x	21,000 <sup>E</sup>	26,150 <sup>E</sup>	F	0
British Columbia	F	F	1,589,250	673,460 <sup>E</sup>	1,659,250 <sup>E</sup>	671,200	F	F
<b>Canada</b>	<b>1,305,510</b>	<b>4,037,660</b>	<b>7,506,314</b>	<b>8,018,705<sup>E</sup></b>	<b>7,885,030</b>	<b>3,613,290</b>	<b>7,031,080</b>	<b>3,960,325<sup>E</sup></b>
<b>2009</b>								
Newfoundland and Labrador	x	4,390 <sup>E</sup>	F	0	x	2,230	0	0
Prince Edward Island	0	0	x	0	0	x	0	0
Nova Scotia	x	F	F	0	x	F	x	0
New Brunswick	1,910 <sup>E</sup>	3,310	x	F	F	F	F	x
Quebec	F	125,300 <sup>E</sup>	691,250	x	771,230	140,060	13,350	x
Ontario	F	2,332,940	3,815,860	F	5,452,050 <sup>E</sup>	2,424,750	F	F
Manitoba	F	F	F	x	F	13,830 <sup>E</sup>	F	x
Saskatchewan	x	F	F	x	F	4,700 <sup>E</sup>	F	x
Alberta	F	F	276,400 <sup>E</sup>	F	F	10,000	F	0
British Columbia	x	254,890 <sup>E</sup>	F	640,500 <sup>E</sup>	1,567,330	586,640	x	F
<b>Canada</b>	<b>F</b>	<b>2,888,220</b>	<b>6,837,340</b>	<b>F</b>	<b>7,974,140</b>	<b>3,227,060</b>	<b>F</b>	<b>5,819,240<sup>E</sup></b>
	Kalanchoe	Chrysanthemums (potted mums)	Primula	Cyclamen	Tulips	Indoor hanging pots	Other indoor pots	
pots								
<b>2008</b>								
Newfoundland and Labrador	x	..	2,450	x	x	F	x	
Prince Edward Island	0	..	x	0	0	0	0	
Nova Scotia	x	..	F	x	x	F	F	
New Brunswick	F	..	F	x	F	17,800	x	
Quebec	F	..	F	F	F	205,800 <sup>E</sup>	F	
Ontario	3,090,210	..	662,700	1,247,970	2,126,650	645,000 <sup>E</sup>	28,235,770	
Manitoba	x	..	F	F	x	F	F	
Saskatchewan	F	..	F	x	x	4,200	F	
Alberta	F	..	30,750	x	F	7,100 <sup>E</sup>	F	
British Columbia	828,000 <sup>E</sup>	..	997,700	F	19,450 <sup>E</sup>	F	F	
<b>Canada</b>	<b>3,968,056</b>	<b>..</b>	<b>1,756,030</b>	<b>1,561,335</b>	<b>2,198,530</b>	<b>1,024,850<sup>E</sup></b>	<b>30,753,620</b>	
<b>2009</b>								
Newfoundland and Labrador	0	x	1,610 <sup>E</sup>	0	x	x	x	
Prince Edward Island	0	0	0	0	x	0	0	
Nova Scotia	x	x	F	x	F	F	F	
New Brunswick	x	4,630 <sup>E</sup>	500 <sup>E</sup>	x	500 <sup>E</sup>	F	F	
Quebec	F	56,460	F	71,830 <sup>E</sup>	F	113,910	922,570 <sup>E</sup>	
Ontario	2,522,580 <sup>E</sup>	5,471,380	548,040	1,775,960	1,833,510 <sup>E</sup>	407,370	F	
Manitoba	x	F	F	x	x	F	F	
Saskatchewan	F	x	F	F	F	F	F	
Alberta	F	F	17,000 <sup>E</sup>	F	x	F	F	
British Columbia	745,050 <sup>E</sup>	F	352,630 <sup>E</sup>	F	F	F	1,022,800	
<b>Canada</b>	<b>3,289,890</b>	<b>6,482,330</b>	<b>938,020</b>	<b>2,053,905</b>	<b>1,883,760<sup>E</sup></b>	<b>773,840</b>	<b>37,888,470<sup>E</sup></b>	

**Note(s):** Includes flowers grown, or given some cultural treatment, and sold.

**Table 8**  
**Outdoor potted plant production by variety**

	Begonias	Chrysanthemums	Geraniums	Impatiens	Petunias	Hosta
pots						
<b>2008</b>						
Newfoundland and Labrador	90,800	F	42,560	44,100 <sup>E</sup>	46,825	14,100 <sup>E</sup>
Prince Edward Island	2,300	3,500 <sup>E</sup>	24,700	3,500	2,880	3,890
Nova Scotia	F	F	F	F	F	5,900 <sup>E</sup>
New Brunswick	95,660	326,950	F	144,300	143,250	F
Quebec	811,100	695,500	5,162,750	6,416,900 <sup>E</sup>	F	98,000
Ontario	2,812,180	6,288,230	F	2,051,770	1,859,700	129,310
Manitoba	126,800 <sup>E</sup>	F	F	F	F	38,000 <sup>E</sup>
Saskatchewan	62,000	F	239,000	52,500	100,000	12,500
Alberta	291,900	F	921,250	76,500	947,700	13,500
British Columbia	1,287,700	1,314,100 <sup>E</sup>	5,417,000	1,031,270	1,305,000	F
<b>Canada</b>	<b>5,672,040</b>	<b>9,642,980</b>	<b>23,399,320<sup>r</sup></b>	<b>10,006,840</b>	<b>7,252,805</b>	<b>432,260</b>
<b>2009</b>						
Newfoundland and Labrador	51,450	F	35,410	38,380 <sup>E</sup>	37,080	..
Prince Edward Island	F	F	F	x	x	..
Nova Scotia	74,000	F	F	F	98,490 <sup>E</sup>	..
New Brunswick	62,460	F	F	F	F	..
Quebec	1,360,070 <sup>E</sup>	598,800 <sup>E</sup>	2,810,390	F	F	..
Ontario	1,324,260	2,427,490	6,726,990	1,422,490	2,013,130	..
Manitoba	175,870 <sup>E</sup>	14,520 <sup>E</sup>	F	F	F	..
Saskatchewan	56,000 <sup>E</sup>	F	195,000 <sup>E</sup>	F	123,000	..
Alberta	284,350	475,000	750,000	80,000	915,000	..
British Columbia	1,119,350	390,590 <sup>E</sup>	4,903,840	1,166,610	1,240,200	..
<b>Canada</b>	<b>4,524,500</b>	<b>4,291,420</b>	<b>17,282,120</b>	<b>9,560,920</b>	<b>7,618,930</b>	<b>..</b>
	Herbaceous perennials	Argyranthemum	Outdoor hanging pots	Other outdoor pots	Total <sup>1</sup> potted plants	
pots						
<b>2008</b>						
Newfoundland and Labrador	..	..	111,110	42,120 <sup>E</sup>	479,310	
Prince Edward Island	..	..	18,900	x	78,050	
Nova Scotia	..	..	F	F	F	
New Brunswick	..	..	186,700	821,900	2,607,545	
Quebec	..	..	1,753,400	21,991,400	43,453,240	
Ontario	..	..	5,359,160	15,528,200	113,157,924 <sup>r</sup>	
Manitoba	..	..	F	F	F	
Saskatchewan	..	..	137,000	F	2,778,825 <sup>r</sup>	
Alberta	..	..	542,500	3,329,400	7,564,950	
British Columbia	..	..	1,285,450	14,200,800	35,379,660	
<b>Canada</b>	<b>..</b>	<b>..</b>	<b>10,079,820</b>	<b>60,450,170<sup>r</sup></b>	<b>211,556,570<sup>r</sup></b>	
<b>2009</b>						
Newfoundland and Labrador	61,970 <sup>E</sup>	5,190	115,430	F	725,340	
Prince Edward Island	x	x	F	x	F	
Nova Scotia	52,710	F	F	F	F	
New Brunswick	F	F	216,070	F	F	
Quebec	3,778,390 <sup>E</sup>	64,510	1,580,510	18,504,900	40,885,850	
Ontario	1,512,200	108,480	5,155,620	16,088,090	121,383,710	
Manitoba	F	29,280 <sup>E</sup>	F	F	F	
Saskatchewan	F	6,200	F	F	1,770,720 <sup>E</sup>	
Alberta	766,860	48,270	400,000	6,298,400 <sup>E</sup>	10,633,270	
British Columbia	F	148,980	989,980	13,023,280	32,515,820	
<b>Canada</b>	<b>8,079,610</b>	<b>440,870</b>	<b>9,316,610</b>	<b>58,520,330</b>	<b>218,237,005</b>	

1. Includes both indoor and outdoor plants (Tables 7 and 8).

**Table 9**  
**Cuttings, tree seedlings and other propagating material**

	Cuttings					Total cuttings	Tree seedlings greenhouse production
	Chysanthemums	Poinsettias	Geraniums	Impatiens	Other cuttings		
	number						
<b>2008</b>							
Newfoundland and Labrador	0	0	x	x	0	x	0
Prince Edward Island	0	0	0	0	0	0	0
Nova Scotia	0	0	0	0	0	0	x
New Brunswick	x	x	x	x	x	x	x
Quebec	x	0	F	x	F	F	x
Ontario	x	x	4,142,260	4,044,030	13,753,850	23,818,730	49,905,520
Manitoba	0	0	3,500 <sup>E</sup>	x	F	F	x
Saskatchewan	0	0	3,300 <sup>E</sup>	F	F	63,800 <sup>E</sup>	x
Alberta	x	0	83,800 <sup>E</sup>	F	3,749,000 <sup>E</sup>	3,848,800 <sup>E</sup>	39,393,900
British Columbia	x	x	F	F	18,710,000	F	70,249,700
<b>Canada</b>	<b>F</b>	<b>4,199,270</b>	<b>F</b>	<b>5,884,930</b>	<b>49,928,800</b>	<b>78,419,870</b>	<b>206,100,620</b>
<b>2009</b>							
Newfoundland and Labrador	0	0	0	0	0	0	0
Prince Edward Island	0	0	0	0	0	0	0
Nova Scotia	0	0	0	0	0	0	F
New Brunswick	x	x	x	x	F	F	x
Quebec	x	x	3,577,580 <sup>E</sup>	F	F	F	F
Ontario	x	F	F	F	16,890,320 <sup>E</sup>	28,459,370	33,180,630
Manitoba	0	0	F	F	F	F	0
Saskatchewan	x	0	x	0	x	F	x
Alberta	0	0	F	F	F	F	27,980,540 <sup>E</sup>
British Columbia	x	x	F	F	F	33,268,190 <sup>E</sup>	F
<b>Canada</b>	<b>F</b>	<b>6,368,370<sup>E</sup></b>	<b>14,625,320</b>	<b>5,928,630</b>	<b>60,154,980</b>	<b>96,039,840</b>	<b>177,349,420</b>

**Table 10**  
**Greenhouse cut flower production by variety**

	Stems						
	Alstroemeria	Chrysanthemums	Daffodils	Freesia	Gerberas	Iris	Roses
	number						
<b>2008</b>							
Newfoundland and Labrador	0	0	x	0	0	0	0
Prince Edward Island	0	0	0	0	0	0	0
Nova Scotia	x	x	0	x	x	0	0
New Brunswick	x	x	x	x	x	x	0
Quebec	x	x	0	0	x	x	x
Ontario	8,029,700	10,923,400	x	x	33,248,630	x	8,407,560
Manitoba	0	0	x	0	0	0	0
Saskatchewan	0	0	0	0	0	0	0
Alberta	x	0	0	0	0	x	0
British Columbia	F	7,527,930 <sup>Er</sup>	F	x	F	F	F
<b>Canada</b>	<b>14,680,490<sup>r</sup></b>	<b>18,576,070<sup>r</sup></b>	<b>F</b>	<b>F</b>	<b>58,261,375<sup>r</sup></b>	<b>5,798,480</b>	<b>15,618,405<sup>Er</sup></b>
<b>2009</b>							
Newfoundland and Labrador	0	0	x	0	0	0	0
Prince Edward Island	0	0	0	0	0	0	0
Nova Scotia	x	x	0	0	x	0	0
New Brunswick	F	F	x	0	x	x	x
Quebec	x	0	0	0	x	x	x
Ontario	14,450,118 <sup>E</sup>	11,774,432	x	x	36,038,924 <sup>E</sup>	x	9,551,060 <sup>E</sup>
Manitoba	0	0	x	0	0	0	0
Saskatchewan	0	0	0	0	0	0	0
Alberta	0	0	0	0	0	0	0
British Columbia	F	F	F	x	F	F	x
<b>Canada</b>	<b>21,731,968</b>	<b>18,745,142</b>	<b>F</b>	<b>F</b>	<b>62,167,784</b>	<b>F</b>	<b>12,756,580<sup>E</sup></b>
	Stems						Total cut flowers
	Snapdragons	Tulips	Lilies	Lisianthus	Other cut flowers	Total cut flowers	
	number						
<b>2008</b>							
Newfoundland and Labrador	0	x	0	0	0	x	
Prince Edward Island	0	x	0	0	0	x	
Nova Scotia	x	0	x	x	F	F	
New Brunswick	x	x	x	x	x	x	
Quebec	x	x	F	x	F	F	
Ontario	12,582,500	51,940,320	F	x	13,433,700	154,923,520	
Manitoba	x	x	x	0	x	x	
Saskatchewan	0	0	0	0	x	x	
Alberta	x	x	x	x	x	F	
British Columbia	F	19,234,075 <sup>Er</sup>	3,911,880 <sup>Er</sup>	x	F	83,877,910 <sup>r</sup>	
<b>Canada</b>	<b>14,915,435</b>	<b>73,637,425<sup>r</sup></b>	<b>F</b>	<b>456,400<sup>E</sup></b>	<b>22,276,210<sup>r</sup></b>	<b>248,257,950<sup>r</sup></b>	
<b>2009</b>							
Newfoundland and Labrador	0	x	0	0	0	x	
Prince Edward Island	0	x	0	0	0	x	
Nova Scotia	x	0	x	x	x	x	
New Brunswick	F	x	x	0	F	F	
Quebec	x	x	x	x	F	F	
Ontario	F	59,048,784 <sup>E</sup>	10,035,509	F	12,725,115	174,969,607	
Manitoba	x	x	F	0	F	F	
Saskatchewan	0	0	0	0	0	0	
Alberta	x	0	x	0	x	x	
British Columbia	F	21,158,840 <sup>E</sup>	F	F	6,928,600	77,396,855	
<b>Canada</b>	<b>F</b>	<b>84,390,824</b>	<b>12,029,289</b>	<b>551,624<sup>E</sup></b>	<b>20,088,995</b>	<b>260,787,956</b>	

**Note(s):** Includes flowers grown, or given some cultural treatment, and sold.

**Table 11**  
Channels of distribution for flower and plant sales and resales <sup>1</sup>

	Retail florists	Domestic wholesalers	Mass market chain stores	Other greenhouses	Exported	Direct <sup>2</sup> sales to the public	Government and public agencies	Other channels	Total sales
dollars									
<b>2008</b>									
Newfoundland and Labrador	390,660 <sup>E</sup>	x	1,416,200	x	0	3,653,300	F	x	6,010,280
Prince Edward Island	x	0	x	x	0	1,804,000	0	x	2,426,400
Nova Scotia	F	F	F	x	x	4,131,820	62,330 <sup>E</sup>	F	F
New Brunswick	3,887,500	x	2,824,600	x	x	6,102,000	209,270	x	32,160,660
Quebec	39,906,000	20,005,600	48,550,800	4,570,000	15,913,150	46,343,700	3,930,900	6,310,300 <sup>E</sup>	185,530,450
Ontario	60,811,501 <sup>r</sup>	173,566,677 <sup>r</sup>	173,378,562 <sup>r</sup>	44,283,406 <sup>r</sup>	71,508,308 <sup>r</sup>	93,941,811 <sup>r</sup>	5,539,805 <sup>r</sup>	14,125,858 <sup>r</sup>	637,155,928 <sup>r</sup>
Manitoba	F	F	F	1,196,300	F	10,534,600	376,050 <sup>E</sup>	F	33,484,800 <sup>E</sup>
Saskatchewan	951,000	F	F	973,000	x	7,315,000	489,000	F	17,954,000
Alberta	5,204,200 <sup>r</sup>	2,256,300 <sup>r</sup>	9,764,200 <sup>r</sup>	x	x	46,851,700 <sup>r</sup>	1,794,600 <sup>Er</sup>	6,526,000 <sup>Er</sup>	74,958,800 <sup>r</sup>
British Columbia	37,501,976 <sup>r</sup>	56,483,988 <sup>r</sup>	83,372,013 <sup>r</sup>	19,164,289 <sup>r</sup>	36,093,003 <sup>r</sup>	23,318,515 <sup>r</sup>	7,539,274 <sup>r</sup>	17,143,640	280,616,699 <sup>r</sup>
<b>Canada</b>	<b>157,982,737<sup>r</sup></b>	<b>255,900,775<sup>r</sup></b>	<b>346,128,025<sup>r</sup></b>	<b>73,919,355<sup>r</sup></b>	<b>141,265,861<sup>r</sup></b>	<b>243,996,446<sup>r</sup></b>	<b>19,969,229<sup>r</sup></b>	<b>48,394,838<sup>r</sup></b>	<b>1,287,557,267<sup>r</sup></b>
<b>2009</b>									
Newfoundland and Labrador	466,230 <sup>E</sup>	x	F	31,770 <sup>E</sup>	0	4,532,905	F	F	8,856,720
Prince Edward Island	x	x	x	0	0	F	F	x	4,382,980 <sup>E</sup>
Nova Scotia	F	F	F	F	0	11,886,840 <sup>E</sup>	151,070 <sup>E</sup>	F	22,395,120 <sup>E</sup>
New Brunswick	F	F	F	F	x	5,819,460	263,610	F	39,522,780 <sup>E</sup>
Quebec	32,845,740	18,610,460	53,032,250	16,146,460 <sup>E</sup>	F	42,553,950	3,642,420	2,829,310	184,807,050
Ontario	75,543,580	178,274,900	222,990,820 <sup>E</sup>	65,410,470	101,067,387	71,338,133	3,878,350	23,932,520	742,436,160
Manitoba	F	F	F	1,328,300 <sup>E</sup>	F	18,352,980	F	F	49,086,090 <sup>E</sup>
Saskatchewan	F	x	F	925,000 <sup>E</sup>	x	7,530,000	F	F	18,730,000
Alberta	8,777,200	2,500,000	14,178,900 <sup>E</sup>	F	x	39,241,300	652,200 <sup>E</sup>	10,000,000 <sup>E</sup>	82,351,700
British Columbia	38,109,290	52,192,660	81,837,440	30,107,760 <sup>E</sup>	33,022,520 <sup>E</sup>	23,971,530	2,670,230	9,873,130	271,784,560
<b>Canada</b>	<b>170,366,940</b>	<b>256,586,160</b>	<b>407,923,885</b>	<b>122,624,390</b>	<b>173,001,597</b>	<b>227,405,098</b>	<b>14,604,620</b>	<b>51,840,470</b>	<b>1,424,353,160</b>

1. Before sales tax.
2. Includes roadside stands and owner-operated retail outlets.

**Table 12**  
Total value of greenhouse products

	2008			2009			
	Total <sup>1</sup> flower and plant sales	Total fruit and vegetable sales	Total greenhouse sales	Total flower and plant sales		Total fruit and vegetable sales	Total greenhouse sales
	sales	sales	sales	sales	resales	sales	sales
dollars							
Newfoundland and Labrador	6,010,280	F	6,200,280	6,560,930	F	209,180	9,065,900
Prince Edward Island	2,426,400	256,000	2,682,400	4,382,980 <sup>E</sup>	0	F	4,838,370
Nova Scotia	F	F	23,976,250	10,605,830 <sup>E</sup>	F	F	29,551,230
New Brunswick	32,160,660	F	32,524,660	F	4,430,780 <sup>E</sup>	231,520 <sup>E</sup>	39,754,300
Quebec	185,530,450	84,625,150 <sup>r</sup>	270,155,600 <sup>r</sup>	161,007,450	23,799,600	76,645,340	261,452,390
Ontario	637,155,928 <sup>r</sup>	529,963,800	1,167,119,728 <sup>r</sup>	566,256,890	176,179,270 <sup>E</sup>	557,604,840	1,300,041,000
Manitoba	33,484,800 <sup>E</sup>	F	33,890,550	F	F	557,810	49,643,900
Saskatchewan	17,954,000	821,900 <sup>r</sup>	18,775,900 <sup>r</sup>	15,830,000	F	F	19,735,000
Alberta	74,958,800 <sup>r</sup>	33,698,650 <sup>r</sup>	108,657,450 <sup>r</sup>	75,351,700	7,000,000	33,777,050	116,128,750
British Columbia	280,616,699 <sup>r</sup>	223,541,765	504,158,464 <sup>r</sup>	238,730,370	33,054,190	251,338,760	523,123,320
<b>Canada</b>	<b>1,287,557,267<sup>r</sup></b>	<b>880,584,015<sup>r</sup></b>	<b>2,168,141,282<sup>r</sup></b>	<b>1,158,656,470</b>	<b>265,696,690</b>	<b>928,981,000</b>	<b>2,353,334,160</b>

1. Includes resale value.

**Table 13**  
**Total greenhouse producers' operating expenses**

	Plant material <sup>1</sup> purchases for growing on	Plant material <sup>1</sup> purchases for resale	Gross <sup>2</sup> yearly payroll	Electricity <sup>3</sup>	Natural gas
dollars					
<b>2008</b>					
Newfoundland and Labrador	1,486,450	1,133,680	2,202,200	155,600 <sup>E</sup>	0
Prince Edward Island	624,650	x	762,900	132,200 <sup>E</sup>	0
Nova Scotia	F	F	F	533,560 <sup>E</sup>	x
New Brunswick	7,478,400	2,338,750	11,156,300	573,250	x
Quebec	29,325,900	15,275,300	71,748,430	9,046,990	9,829,492 <sup>r</sup>
Ontario	141,866,000	40,015,310	261,146,000	26,416,000	115,347,760 <sup>r</sup>
Manitoba	6,667,800	F	12,497,200 <sup>E</sup>	510,700	1,584,500
Saskatchewan	4,110,000	496,000	5,917,150	456,000	950,000
Alberta	15,427,700	4,542,100	33,617,700	3,363,400	10,457,201 <sup>r</sup>
British Columbia	78,153,000	27,500,700	132,993,900	11,253,600	36,455,800 <sup>r</sup>
<b>Canada</b>	<b>287,783,900</b>	<b>95,524,840</b>	<b>540,619,780</b>	<b>52,441,300</b>	<b>174,684,753<sup>r</sup></b>
<b>2009</b>					
Newfoundland and Labrador	1,282,370	F	2,629,860	220,330	0
Prince Edward Island	F	x	1,103,010 <sup>E</sup>	F	0
Nova Scotia	1,364,350	F	F	667,370 <sup>E</sup>	x
New Brunswick	F	1,500,000	12,317,670 <sup>E</sup>	633,702 <sup>E</sup>	F
Quebec	28,218,780	14,318,110	72,853,000	7,231,500	10,644,610
Ontario	150,262,180	30,054,270	293,508,420	34,677,170	117,841,080
Manitoba	9,202,330 <sup>E</sup>	F	F	620,600	2,311,220 <sup>E</sup>
Saskatchewan	4,720,000	F	5,385,650	500,000	900,000
Alberta	12,604,200	4,416,300 <sup>E</sup>	36,779,500	4,397,800	8,418,000
British Columbia	78,584,160	F	128,161,970	12,555,350	40,070,070
<b>Canada</b>	<b>293,923,630</b>	<b>78,998,180</b>	<b>578,332,560</b>	<b>61,636,242</b>	<b>180,267,840</b>
	Heating oil	Other types of fuel	Other crop expenses	Other operating expenses	Total operating expenses
dollars					
<b>2008</b>					
Newfoundland and Labrador	670,750	25,100	695,400	960,550	7,329,730
Prince Edward Island	225,500	x	224,800	468,000	2,521,850
Nova Scotia	752,450	F	F	F	F
New Brunswick	F	603,000	6,885,825	6,627,990	36,810,915
Quebec	13,870,797 <sup>r</sup>	5,382,706 <sup>r</sup>	25,074,345	52,809,600	232,363,560 <sup>r</sup>
Ontario	17,358,800	17,717,000	114,647,000	248,396,000	982,909,870 <sup>r</sup>
Manitoba	89,100	368,800 <sup>E</sup>	3,122,750	6,411,000 <sup>E</sup>	32,693,850 <sup>E</sup>
Saskatchewan	F	340,000 <sup>E</sup>	1,981,000	2,410,000	16,949,150
Alberta	0	934,209 <sup>r</sup>	9,559,600	20,478,000	98,379,910 <sup>r</sup>
British Columbia	722,400 <sup>E</sup>	13,000,000	85,028,200	131,378,585	515,697,085
<b>Canada</b>	<b>35,086,197<sup>r</sup></b>	<b>40,142,915<sup>r</sup></b>	<b>249,577,520</b>	<b>479,916,025</b>	<b>1,954,988,130<sup>r</sup></b>
<b>2009</b>					
Newfoundland and Labrador	600,980	F	988,230	1,117,950	8,453,670
Prince Edward Island	F	F	F	F	F
Nova Scotia	673,180	F	1,662,280	3,797,958 <sup>E</sup>	20,973,628
New Brunswick	719,980 <sup>E</sup>	x	F	F	F
Quebec	9,088,630	5,751,940	24,732,400	64,467,140	237,306,110
Ontario	25,855,970	17,617,490	145,487,380	318,000,000	1,133,303,960
Manitoba	113,900	F	F	9,962,670 <sup>E</sup>	46,354,440 <sup>E</sup>
Saskatchewan	F	F	2,500,000	3,300,000	19,086,150
Alberta	0	563,560	14,842,200	26,185,500	108,207,060
British Columbia	226,970	8,303,840	71,883,340	153,053,170	513,939,870
<b>Canada</b>	<b>37,851,510</b>	<b>35,675,980</b>	<b>273,780,930</b>	<b>587,217,098</b>	<b>2,127,683,970</b>

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

2. Includes seasonal and permanent labour.

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

**Table 14**  
**Specialized greenhouse vegetable producers' operating expenses**

	Plant <sup>1</sup> material purchases for growing on	Plant <sup>1</sup> material purchases for resale	Gross <sup>2</sup> yearly payroll	Electricity <sup>3</sup>	Fuel	Other crop expenses	Other operating expenses	Total operating expenses
dollars								
<b>2008</b>								
Atlantic provinces	F	x	F	F	F	F	F	F
Quebec	x	x	16,019,000 <sup>E</sup>	F	8,437,700 <sup>E</sup>	7,851,100 <sup>E</sup>	19,684,600 <sup>E</sup>	59,152,570 <sup>E</sup>
Ontario	x	x	98,214,700	11,212,700	94,634,616	52,817,000	111,845,900	399,938,456
Prairie provinces	2,999,200	x	7,629,800	3,289,900	5,948,100	2,654,000	8,893,150	31,454,000
British Columbia	x	x	40,428,900	3,717,800	26,766,350	26,174,600	64,524,600	176,189,250
<b>Canada</b>	<b>51,090,200</b>	<b>F</b>	<b>163,168,900</b>	<b>24,261,895</b>	<b>136,297,006</b>	<b>89,847,600</b>	<b>205,621,030</b>	<b>670,984,721</b>
<b>2009</b>								
Atlantic provinces	F	0	F	198,580	F	F	F	F
Quebec	x	x	21,417,550	2,121,340	9,678,740	6,904,770 <sup>E</sup>	25,000,010	67,786,000
Ontario	43,776,720	0	123,953,400	17,487,210	106,010,230	73,487,440	145,932,400	510,647,400
Prairie provinces	2,440,220	x	8,956,160	2,279,630 <sup>E</sup>	6,256,310	F	11,184,250 <sup>E</sup>	37,390,060
British Columbia	x	x	48,561,370	5,524,220	31,492,070	23,664,150	102,395,220	234,559,115
<b>Canada</b>	<b>71,860,105</b>	<b>F</b>	<b>203,837,940</b>	<b>27,610,980</b>	<b>154,104,430</b>	<b>110,540,920</b>	<b>284,910,140</b>	<b>853,193,365</b>

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

2. Includes seasonal and permanent labour.

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

**Table 15**  
**Specialized greenhouse flower and plant producers' operating expenses**

	Plant <sup>1</sup> material purchases for growing on	Plant <sup>1</sup> material purchases for resale	Gross <sup>2</sup> yearly payroll	Electricity <sup>3</sup>	Fuel	Other crop expenses	Other operating expenses	Total operating expenses
dollars								
<b>2008</b>								
Atlantic provinces	11,730,700	6,073,600 <sup>E</sup>	19,322,300	996,950	3,744,000	9,233,500	15,851,350 <sup>E</sup>	66,952,400
Quebec	23,363,575	12,735,500	45,575,940	3,869,100	16,023,750	13,104,500	24,567,400	139,239,765
Ontario	100,802,200	37,663,900	147,302,400	13,419,200	52,152,700	48,699,000	116,471,900	516,511,300
Prairie provinces	21,019,750	6,315,250	41,945,500	3,289,950	8,521,700	11,480,650	19,735,100	112,307,900
British Columbia	59,469,800	25,106,570	65,328,960	5,303,400	16,537,700	41,911,700	47,287,250	260,945,380
<b>Canada</b>	<b>216,386,025</b>	<b>87,894,820</b>	<b>319,475,100</b>	<b>26,878,600</b>	<b>96,979,850</b>	<b>124,429,350</b>	<b>223,913,000</b>	<b>1,095,956,745</b>
<b>2009</b>								
Atlantic provinces	9,749,380 <sup>E</sup>	F	21,014,820	1,206,370	3,058,020	F	8,610,640 <sup>E</sup>	57,566,960
Quebec	22,393,940	13,284,500	39,838,040	3,933,140	13,186,920	12,946,860	28,826,140	134,409,540
Ontario	103,089,450	29,000,140	154,059,270	14,154,140	47,931,970	59,645,130	116,525,920	524,406,020
Prairie provinces	22,758,680	6,979,110	47,857,300	2,875,280	9,113,700	14,087,190	26,487,170	130,158,430
British Columbia	48,719,760	F	54,561,935	3,796,240	13,499,300	31,482,900	37,617,520	208,437,895
<b>Canada</b>	<b>206,711,210</b>	<b>72,788,140</b>	<b>317,331,365</b>	<b>25,965,170</b>	<b>86,789,910</b>	<b>127,325,660</b>	<b>218,067,390</b>	<b>1,054,978,845</b>

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

2. Includes seasonal and permanent labour.

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

**Note(s):** Excludes vegetable bedding plant producers.

**Table 16**  
**Labour - Total greenhouse employees**

	2008			2009		
	Total greenhouse employees			Total greenhouse employees		
	Seasonal <sup>1</sup>	Permanent <sup>2</sup>	Total	Seasonal <sup>1</sup>	Permanent <sup>2</sup>	Total
	number					
Newfoundland and Labrador	250	50	300	260	50	310
Prince Edward Island	70	10	80	130 <sup>E</sup>	15	145
Nova Scotia	540	F	820	490	F	700
New Brunswick	550	375	925	590	F	1,000
Quebec	4,630	2,120	6,750	4,450	2,090	6,540
Ontario	9,600	6,500	16,100	9,760	7,250	17,010
Manitoba	825	225	1,050	1,110	270	1,380
Saskatchewan	1,100	150	1,250	915	175	1,090
Alberta	2,400	800	3,200	2,500	1,010	3,510
British Columbia	3,920	3,350	7,270	3,720	3,160	6,880
<b>Canada</b>	<b>23,885</b>	<b>13,860</b>	<b>37,745</b>	<b>23,925</b>	<b>14,640</b>	<b>38,565</b>

1. Seasonal employees who worked less than 8 months during the year.  
 2. Permanent employees who worked more than 8 months during the year.  
**Note(s):** Including mixed operations (vegetables, flowers and plants).

**Table 17**  
**Labour - Specialized greenhouse producers**

	Specialized greenhouse vegetable producers			Specialized greenhouse flower and plant producers		
	Seasonal <sup>1</sup>	Permanent <sup>2</sup>	Total	Seasonal <sup>1</sup>	Permanent <sup>2</sup>	Total
		number				
<b>2008</b>						
Atlantic provinces	140	F	190	1,100	600	1,700
Quebec	490	660 <sup>E</sup>	1,150	3,040	1,145	4,185
Ontario	2,750	2,240	4,990	6,275	3,910	10,185
Prairie provinces	275	220	495	3,750	920	4,670
British Columbia	1,090	870	1,960	1,995	1,610	3,605
<b>Canada</b>	<b>4,745</b>	<b>4,040</b>	<b>8,785</b>	<b>16,160</b>	<b>8,185</b>	<b>24,345</b>
<b>2009</b>						
Atlantic provinces	100	40 <sup>E</sup>	140	1,180	590 <sup>E</sup>	1,770
Quebec	610	770	1,380	2,850	990	3,840
Ontario	3,050	2,590	5,640	5,800	4,020	9,820
Prairie provinces	260	370	630	3,790	980	4,770
British Columbia	1,090	935	2,025	1,635	1,570	3,205
<b>Canada</b>	<b>5,110</b>	<b>4,705</b>	<b>9,815</b>	<b>15,255</b>	<b>8,150</b>	<b>23,405</b>

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



**Table 18**  
**Nursery area**

	Total nurseries		Total field area		Total container area		Total nursery area	
	number	acres	hectares	acres	hectares	acres	hectares	
<b>2008</b>								
Newfoundland and Labrador	10	0	0	F	F	F	F	
Prince Edward Island	0	0	0	0	0	0	0	
Nova Scotia	20	F	F	35	14	345 E	140 E	
New Brunswick	15	170	69	25	10	195	79	
Quebec	220	4,830	1,955	710	287	5,540	2,242	
Ontario	460	21,000	8,498	1,880	761	22,880	9,259	
Manitoba	35	800	324	120	49	920	372	
Saskatchewan	30	F	F	50	20	F	F	
Alberta	190	6,300	2,550	F	F	10,100	4,087	
British Columbia	330	6,300	2,550	F	F	9,000	3,642	
<b>Canada</b>	<b>1,310</b>	<b>40,910</b>	<b>16,556</b>	<b>9,330</b>	<b>3,776</b>	<b>50,240</b>	<b>20,331</b>	
<b>2009</b>								
Newfoundland and Labrador	10	5 E	2 E	10 E	4 E	15	6	
Prince Edward Island	0	0	0	0	0	0	0	
Nova Scotia	20	F	F	30 E	12 E	350 E	142 E	
New Brunswick	15	F	F	F	F	F	F	
Quebec	225	4,870	1,971	910	368	5,780	2,339	
Ontario	460	21,290	8,616	2,160	874	23,450	9,490	
Manitoba	30	830	336	110	45	940	380	
Saskatchewan	40	F	F	F	F	F	F	
Alberta	170	5,090	2,060	3,280	1,327	8,370	3,387	
British Columbia	325	6,350	2,570	2,450	991	8,800	3,561	
<b>Canada</b>	<b>1,295</b>	<b>41,864 E</b>	<b>16,942 E</b>	<b>9,023 E</b>	<b>3,651 E</b>	<b>50,887</b>	<b>20,593</b>	

**Table 19**  
**Nursery tree and plant production (field and container)**

	Coniferous trees	Fruit trees or ornamental trees	Shade trees	Coniferous evergreen shrubs	Evergreen broadleaf shrubs	Deciduous shrubs (including roses)	Vines	Perennials and annuals	Small fruit bushes	Nursery tree seedlings	Other trees and plants
	number										
<b>2008</b>											
<b>Field grown</b>											
Atlantic provinces	F	x	F	F	x	F	x	x	x	x	0
Quebec	F	101,100 <sup>E</sup>	F	F	F	F	x	F	F	F	x
Ontario	768,630	711,940 <sup>E</sup>	441,400	F	F	F	x	64,225 <sup>E</sup>	x	F	F
Prairie provinces	93,635 <sup>r</sup>	x	209,410 <sup>r</sup>	9,160 <sup>Er</sup>	F	108,710 <sup>r</sup>	F	F	F	631,500	2,500
British Columbia	1,962,580 <sup>Er</sup>	593,050 <sup>Er</sup>	x	519,970 <sup>r</sup>	F	601,670 <sup>Er</sup>	9,385 <sup>Er</sup>	F	F	F	F
<b>Canada</b>	<b>3,585,755<sup>r</sup></b>	<b>1,437,700<sup>r</sup></b>	<b>F</b>	<b>918,680<sup>r</sup></b>	<b>615,445<sup>r</sup></b>	<b>1,117,600<sup>r</sup></b>	<b>1,506,505<sup>Er</sup></b>	<b>F</b>	<b>71,551,090<sup>Er</sup></b>	<b>5,047,400</b>	<b>1,629,600<sup>Er</sup></b>
<b>Container grown</b>											
Atlantic provinces	F	x	F	F	F	F	F	F	2,700	F	x
Quebec	24,256,000 <sup>E</sup>	80,300	68,170 <sup>E</sup>	F	F	327,900	F	842,700 <sup>E</sup>	F	x	F
Ontario	289,700	43,780	193,670	942,320	678,790	2,438,880	206,150	F	F	x	326,126
Prairie provinces	106,350 <sup>E</sup>	x	81,200 <sup>E</sup>	x	5,270	1,220,600	16,700 <sup>E</sup>	705,800	40,500	8,708,400	148,150
British Columbia	F	F	F	5,130,900 <sup>E</sup>	749,800	2,247,600	F	5,784,450	F	55,618,430 <sup>Er</sup>	F
<b>Canada</b>	<b>34,459,720</b>	<b>220,230</b>	<b>990,890</b>	<b>6,641,020</b>	<b>1,980,025</b>	<b>6,292,030</b>	<b>459,460</b>	<b>12,950,800</b>	<b>644,410</b>	<b>98,189,570<sup>Er</sup></b>	<b>1,686,746</b>
<b>2009</b>											
<b>Field grown</b>											
Atlantic provinces	F	F	F	F	F	F	x	F	F	x	0
Quebec	899,420 <sup>E</sup>	79,130 <sup>E</sup>	34,315 <sup>E</sup>	52,820	F	91,940 <sup>E</sup>	F	F	16,414,150 <sup>E</sup>	F	534,450 <sup>E</sup>
Ontario	972,330 <sup>E</sup>	503,750	770,420	325,480	127,230	795,080	1,739,320 <sup>E</sup>	80,850 <sup>E</sup>	x	1,973,250	x
Prairie provinces	145,200	85,240 <sup>E</sup>	136,310	7,010 <sup>E</sup>	F	115,620	F	48,960 <sup>E</sup>	100,360 <sup>E</sup>	F	5,330 <sup>E</sup>
British Columbia	2,688,030 <sup>E</sup>	719,965 <sup>E</sup>	F	451,600 <sup>E</sup>	F	1,473,410 <sup>E</sup>	F	F	F	F	F
<b>Canada</b>	<b>4,708,050</b>	<b>1,394,525</b>	<b>F</b>	<b>837,130</b>	<b>542,680</b>	<b>2,484,790</b>	<b>1,742,860<sup>E</sup></b>	<b>F</b>	<b>49,878,480<sup>E</sup></b>	<b>4,768,300</b>	<b>552,550</b>
<b>Container grown</b>											
Atlantic provinces	F	F	2,860 <sup>E</sup>	2,550 <sup>E</sup>	F	F	3,200 <sup>E</sup>	F	F	F	x
Quebec	20,893,270	F	85,450 <sup>E</sup>	256,179	559,265	518,130	78,085	1,099,660	F	9,115,850 <sup>E</sup>	F
Ontario	280,230	F	188,660	976,900	877,630	3,050,340	242,110	F	23,230	F	F
Prairie provinces	30,240	13,880	111,450	F	F	1,170,410 <sup>E</sup>	22,390	648,220	29,910	F	x
British Columbia	F	F	750,000	3,485,520	1,599,730	2,424,585	211,160 <sup>E</sup>	F	173,240 <sup>E</sup>	F	298,070 <sup>E</sup>
<b>Canada</b>	<b>28,658,740</b>	<b>205,061</b>	<b>1,138,420</b>	<b>5,114,239</b>	<b>3,051,395</b>	<b>7,198,210</b>	<b>556,945</b>	<b>13,711,140</b>	<b>342,230</b>	<b>205,304,400<sup>E</sup></b>	<b>882,840</b>

**Table 20**  
**Nursery stock sales and resales <sup>1</sup>**

	2008			2009		
	Nursery stock sales	Nursery <sup>2</sup> resales	Total sales	Nursery stock sales	Nursery <sup>2</sup> resales	Total sales
	dollars					
Newfoundland and Labrador	F	x	F	F	F	F
Prince Edward Island	0	0	0	x	F	F
Nova Scotia	3,749,830 <sup>E</sup>	F	F	F	F	6,890,680 <sup>E</sup>
New Brunswick	5,620,650	F	6,455,150 <sup>E</sup>	F	F	F
Quebec	61,200,000	F	76,971,080	63,036,340	14,511,770	77,548,110
Ontario	219,000,000	65,000,000	284,000,000	226,788,570	81,021,710	307,810,280
Manitoba	F	1,719,400	12,404,800 <sup>E</sup>	10,129,740	2,362,650 <sup>E</sup>	12,492,390
Saskatchewan	4,840,370 <sup>r</sup>	1,014,000	5,854,370 <sup>r</sup>	6,266,400 <sup>E</sup>	F	8,696,060
Alberta	34,836,300	16,484,000	51,320,300	27,873,340	15,131,020	43,004,360
British Columbia	153,211,430	38,791,400	192,002,830	155,352,820	41,583,450	196,936,270
<b>Canada</b>	<b>493,489,080<sup>r</sup></b>	<b>141,869,420</b>	<b>635,358,500<sup>r</sup></b>	<b>498,382,020</b>	<b>159,523,590</b>	<b>657,905,610</b>

1. Before sales tax.

2. The process of buying trees, shrubs, plants, seedlings, cuttings, etc. and selling it within a short time period with minimal care or maintenance.

**Table 21**  
**Nursery sales distribution <sup>1</sup>**

	Direct <sup>2</sup> sales to the public	Fruit growers	Landscape contractors	Garden centres	Mass market chain stores
dollars					
<b>2008</b>					
Atlantic provinces	F	F	F	832,350 <sup>E</sup>	x
Quebec	F	F	15,366,975	17,583,800	7,875,400
Ontario	20,490,000	10,944,930	80,955,070	72,200,000	53,000,000
Prairie provinces	15,091,500	308,850	34,307,600	8,359,100 <sup>E</sup>	F
British Columbia	12,230,800	5,805,200	38,571,800	40,343,400 <sup>E</sup>	28,049,320
<b>Canada</b>	<b>67,149,190</b>	<b>21,405,870</b>	<b>171,341,785</b>	<b>139,318,650</b>	<b>89,648,110</b>
<b>2009</b>					
Atlantic provinces	5,266,270 <sup>E</sup>	F	F	F	0
Quebec	12,141,130	1,929,100	16,182,860	22,070,820	7,866,380
Ontario	20,919,310	9,257,950	78,446,520	78,138,690	61,865,050
Prairie provinces	16,997,280	909,420 <sup>E</sup>	27,614,570	7,339,380	458,780 <sup>E</sup>
British Columbia	9,542,110	6,596,500 <sup>E</sup>	37,584,825	39,470,380	24,700,160
<b>Canada</b>	<b>64,866,100</b>	<b>19,701,610</b>	<b>160,997,711</b>	<b>147,665,534</b>	<b>94,890,370</b>
	Other growers	Exported	Government and public agencies	Other channels	Total sales
dollars					
<b>2008</b>					
Atlantic provinces	x	430,160	762,700	3,220,730	12,805,120
Quebec	3,783,500	F	10,998,300	F	76,971,080
Ontario	22,900,000	8,400,000	6,300,000	8,810,000	284,000,000
Prairie provinces	x	F	5,716,670 <sup>r</sup>	697,800	69,579,470 <sup>r</sup>
British Columbia	24,372,600	10,793,700	14,040,510	17,795,500 <sup>E</sup>	192,002,830
<b>Canada</b>	<b>53,669,100</b>	<b>23,983,385</b>	<b>37,818,180 <sup>r</sup></b>	<b>31,024,230 <sup>E</sup></b>	<b>635,358,500 <sup>r</sup></b>
<b>2009</b>					
Atlantic provinces	F	0	F	F	11,418,140
Quebec	4,404,240	F	9,734,190	850,920 <sup>E</sup>	77,548,110
Ontario	22,519,530	15,272,670	8,960,740	12,429,820	307,810,280
Prairie provinces	2,309,530	1,506,670	2,976,010	F	64,192,810
British Columbia	15,200,220	8,040,165 <sup>E</sup>	F	F	196,936,270
<b>Canada</b>	<b>44,439,730</b>	<b>27,187,975</b>	<b>49,922,840</b>	<b>48,233,740</b>	<b>657,905,610</b>

1. Before sales tax.

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

**Table 22**  
**Sod area, sales and resales**

	Total sod operations	Total sod area		Sod area grown for sale		Gross sales	
		number	acres	hectares	acres	hectares	Revenue from sod grown
						dollars	
<b>2008</b>							
Newfoundland and Labrador	15	460	186	230	93	2,200,800	0
Prince Edward Island	5	x	x	x	x	x	0
Nova Scotia	10	2,420	979	785	318	5,049,200	0
New Brunswick	5	720	291	250	101	1,123,125	x
Quebec	50	12,650	5,119	6,860	2,776	31,981,800	916,400
Ontario	60	25,000	10,117	8,900	3,602	47,072,500	1,007,600
Manitoba	10	1,000	405	200 <sup>E</sup>	81 <sup>E</sup>	F	0
Saskatchewan	5	x	x	x	x	x	0
Alberta	20	11,500	4,654	4,050	1,639	31,103,000	x
British Columbia	15	1,400	567	970	393	8,270,000	0
<b>Canada</b>	<b>195</b>	<b>55,770</b>	<b>22,569</b>	<b>22,515</b>	<b>9,111</b>	<b>130,301,975</b>	<b>2,190,000</b>
<b>2009</b>							
Newfoundland and Labrador	20	740	299	480 <sup>E</sup>	194 <sup>E</sup>	x	F
Prince Edward Island	5	x	x	x	x	x	0
Nova Scotia	15	F	F	F	F	F	x
New Brunswick	10	F	F	F	F	F	F
Quebec	50	11,230	4,545	6,000	2,428	28,627,010	837,440
Ontario	65	24,530	9,927	9,180	3,715	46,128,380	811,900
Manitoba	10	740	299	190	77	976,470	0
Saskatchewan	5	F	F	F	F	F	0
Alberta	20	16,290 <sup>E</sup>	6,592 <sup>E</sup>	5,980 <sup>E</sup>	2,420 <sup>E</sup>	43,452,510 <sup>E</sup>	F
British Columbia	15	1,220	494	840	340	8,710,000	x
<b>Canada</b>	<b>215</b>	<b>59,140</b>	<b>23,933</b>	<b>24,300</b>	<b>9,834</b>	<b>141,604,860</b>	<b>9,306,340</b>

**Table 23**  
**Nursery and sod producers' operating expenses**

	Nursery				Total operating expenses
	Plant material <sup>1</sup> purchases for growing on	Plant material <sup>1</sup> purchases for resale	Gross <sup>2</sup> yearly payroll	Other operating expenses	
dollars					
<b>2008</b>					
Newfoundland and Labrador	12,500	6,750	F	F	F
Prince Edward Island	0	0	0	0	0
Nova Scotia	F	F	1,855,600 <sup>E</sup>	F	F
New Brunswick	201,140	x	1,396,000	x	2,378,040
Quebec	8,403,260	7,126,500	22,182,900	18,131,520	55,844,180
Ontario	29,205,300	41,752,100	92,036,500	81,335,800	244,329,700
Manitoba	1,225,100 <sup>E</sup>	1,213,200	3,797,750 <sup>E</sup>	F	11,038,900 <sup>E</sup>
Saskatchewan	231,000	528,000 <sup>E</sup>	3,000,000	2,216,000	5,975,000
Alberta	4,018,000	7,824,500	13,405,400	11,069,000	36,316,900
British Columbia	22,770,400	11,195,700	60,867,300	57,004,000	151,837,400
<b>Canada</b>	<b>66,155,300</b>	<b>70,005,650</b>	<b>198,841,450</b>	<b>176,244,320</b>	<b>511,246,720</b>
<b>2009</b>					
Newfoundland and Labrador	x	x	F	29,970 <sup>E</sup>	F
Prince Edward Island	x	x	F	0	F
Nova Scotia	F	F	2,100,130 <sup>E</sup>	F	4,781,500 <sup>E</sup>
New Brunswick	F	F	F	F	F
Quebec	13,274,400	7,035,670	26,093,130	20,712,945	67,116,145
Ontario	28,044,730	46,037,980	102,078,940	95,398,080	271,559,730
Manitoba	1,269,520	1,356,130	4,974,510	5,455,630	13,055,790
Saskatchewan	F	F	4,500,000	F	10,732,800 <sup>E</sup>
Alberta	4,228,120	7,927,460	14,531,630	9,225,840	35,913,050
British Columbia	20,943,920	18,766,420	60,837,050	69,773,225	170,320,615
<b>Canada</b>	<b>69,330,640</b>	<b>83,156,320</b>	<b>217,683,420</b>	<b>209,116,040</b>	<b>579,286,420</b>
Sod					
	Purchases for resale	Gross <sup>2</sup> yearly payroll	Other operating expenses	Total operating expenses	
dollars					
<b>2008</b>					
Newfoundland and Labrador	x	913,300	x		2,676,900
Prince Edward Island	0	x	x		x
Nova Scotia	x	2,488,000	x		5,415,800
New Brunswick	x	445,600	x		998,300
Quebec	496,500	7,965,800	12,351,850		20,814,150
Ontario	682,400	15,310,780	30,246,830		46,240,010
Manitoba	0	190,000 <sup>E</sup>	F		x
Saskatchewan	0	x	x		x
Alberta	x	7,179,700	x		22,425,500
British Columbia	0	1,680,700	2,782,000		4,462,700
<b>Canada</b>	<b>2,026,300</b>	<b>36,923,380</b>	<b>66,927,680</b>		<b>105,877,360</b>
<b>2009</b>					
Newfoundland and Labrador	x	1,086,350	x		2,409,660
Prince Edward Island	0	x	x		x
Nova Scotia	x	F	F		F
New Brunswick	F	F	F		F
Quebec	608,450	8,417,930	14,008,680		23,035,060
Ontario	597,460	16,605,060	23,684,640		40,887,160
Manitoba	0	107,060 <sup>E</sup>	409,410 <sup>E</sup>		516,470
Saskatchewan	0	F	F		F
Alberta	F	10,748,350 <sup>E</sup>	F		33,521,970 <sup>E</sup>
British Columbia	x	2,276,600	x		4,973,480
<b>Canada</b>	<b>F</b>	<b>43,265,730</b>	<b>65,984,410</b>		<b>114,375,190</b>

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

2. Includes seasonal and permanent labour.

**Table 24**  
**Nursery and sod labour**

	Nursery			Sod		
	Seasonal <sup>1</sup>	Permanent <sup>2</sup>	Total	Seasonal <sup>1</sup>	Permanent <sup>2</sup>	Total
	number					
<b>2008</b>						
Newfoundland and Labrador	25 <sup>E</sup>	F	30 <sup>E</sup>	70	10 <sup>E</sup>	80
Prince Edward Island	0	0	0	10	0	10
Nova Scotia	205 <sup>E</sup>	15 <sup>E</sup>	220 <sup>E</sup>	70	35	105
New Brunswick	60	65	125	30	5	35
Quebec	1,910	300	2,210	340	90	430
Ontario	3,500	1,670	5,170	524	141	665
Manitoba	160	60	220	x	F	30
Saskatchewan	275	70	345	x	x	30
Alberta	750	200	950	200	100	300
British Columbia	2,205	1,510	3,715	60	30	90
<b>Canada</b>	<b>9,090</b>	<b>3,895</b>	<b>12,985</b>	<b>1,349</b>	<b>426</b>	<b>1,775</b>
<b>2009</b>						
Newfoundland and Labrador	10	0	10 <sup>E</sup>	80	10	90
Prince Edward Island	F	x	F	x	0	x
Nova Scotia	235 <sup>E</sup>	F	265 <sup>E</sup>	F	F	130
New Brunswick	F	F	F	F	x	F
Quebec	2,120	440	2,560	370	80	450
Ontario	3,700	1,690	5,390	480	170	650
Manitoba	290	70	360	x	x	30
Saskatchewan	370	125	495	F	F	F
Alberta	720	280	1,000	210 <sup>E</sup>	70	280
British Columbia	2,615	1,350	3,965	40	60	100
<b>Canada</b>	<b>10,200</b>	<b>4,060</b>	<b>14,260</b>	<b>1,360</b>	<b>475</b>	<b>1,835</b>

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

# Methodology

---

## Introduction

Statistics Canada has conducted an annual survey of the greenhouse industry since 1955, of the nursery industry since 1956 and of the sod industry since 1982. The survey is designed to provide an indication of the economic situation of the primary greenhouse, sod and nursery stock production industries. The survey is designed to provide insight into the general economic situation of the industry. To this end, data are provided on market structure and production inputs.

The survey is designed to collect information on area planted, labour, payroll, cost for growing-on and for resale, gross revenues, as well as the distribution of gross sales by channel of distribution.

The greenhouse target population includes all of the commercial greenhouse growers as identified by the 2006 Census of Agriculture and reconciled with the previous known population. For the sod and nursery operations, the survey focuses on operations that grow some or all the commodities they sell. As a result, firms that only distribute sod or nursery stock, or just landscape and lay sod are excluded from the survey. The survey is also designed to estimate the total value added of the agricultural side of nursery/sod but also picks up value added from the non-growing (i.e. marketing) portion of each operation. Note too that value added from landscaping and laying sod is excluded from the revenue estimates even when the responding firm grows nursery stock or sod. The survey estimates for greenhouses, sod farms and nurseries are calculated using probability sampling methods.

## Concepts and definitions

### Greenhouse industry

Prior to 1986, the target population included all commercial greenhouse growers. In 1986, the target population was redefined to include only commercial greenhouse growers with a growing area of 7,500 square feet or more.

In 1992, it was decided to include all of the commercial greenhouse growers as identified by the 1991 Census of Agriculture and reconciled with the previous known population. Due to the changed methodology, the estimates since 1992 are not comparable with the corresponding 1991 estimates.

A greenhouse can be defined as an operation where plants are grown under glass, plastic or similar type of protection. Since 2008, we also ask respondents to report area under poly-film or polyethylene.

A breakdown of sales, indicating channels of distribution and flower varieties sold, assists in the determination of the market structure. All sales figures published represent prices paid to the grower. Data collected on important inputs of production include the number of employees, gross yearly payroll, total investment and area operated under glass and plastic.

Greenhouse operating expenses include payroll, plant material purchases, heating, lighting, ventilation costs, other crop expenses (fertilizer, pesticides, and growing mediums) and other operating expenses (interest, land taxes, insurance, packaging, repairs to farm buildings, machinery, equipment and vehicles, and contract work). Since 2008, electricity expenses for lighting, airflow fans and heating are reported inside a specific expense item.

The concept for full-time employment was revised for Greenhouse, Sod and Nursery (GSN) 2003 data in accordance with the definition used at Statistics Canada and endorsed by the International Labour Organization. Full-time employment consists of persons who usually work 30 hours or more per week at their main or only job. Prior to 2003, full-time employment was defined as persons working 8 months or longer and part-time employment consisted of

persons working less than 8 months of the year. Since 2008, respondents to the survey must report the number of seasonal workers (less than 8 months contract) and permanent (more than 8 months contract).

The tables for cut flowers, potted plants, cuttings and propagating material have been updated to reflect changes in the industry.

### **Nursery and sod industry**

Before 1992, estimates essentially pertained to commercial operations that allocated a portion of their surface area to sod or seedlings and had annual gross sales of \$75,000 or more. Since 1992, estimates have pertained to nurseries with 5 acres or more, and sod operations of 40 acres or more in regions other than the Atlantic (10 acres or more in the Atlantic region).

The survey estimates in previous years were simply a tabulation of all responding operations fitting the above two criteria. Due to the changed methodology, the 1992 and subsequent estimates are not directly comparable with the corresponding 1991 estimates.

The survey collects dollar data on two commodities: sod and nursery stock. Sod is a standard commodity whereas nursery stock requires precise definition. 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.

The end purpose of the plants may be ornamental or functional (e.g. fruit trees, grape vines and forestry seedlings). Plant sizes range from seedlings to fully grown trees. "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.

### **Methodology and data quality**

#### **Survey frame**

The survey frame has been designed to include all operations cultivating greenhouse, sod and nursery products based on the latest Census of Agriculture. Institutional farms, farms on Indian reservations, Hutterite colonies as well as operations from Yukon, the Northwest Territories and Nunavut were excluded from the survey. After these exclusions, the remaining farms represent the initial survey frame.

Observations from the 2009 survey frame were extracted from the 2008 Annual Greenhouse, Sod and Nursery Survey and the 2006 Census of Agriculture, to which were added some operations coming from external sources. The new operations are either new farms since the 2006 census or farms missed by the 2006 census.

Excluded from the survey frame were areas of glass or plastic greenhouses maintained for non-commercial plants. Also excluded were greenhouse-only operations in Quebec, Ontario and British Columbia with less than 5,000 square feet and greenhouse sales of less than \$10,000. Greenhouse-only operations in the remaining provinces with less than 1,000 square feet were excluded from the survey frame. Furthermore, sod-only operations with less than 40 acres (10 acres in the Atlantic) and nursery-only operations with less than 5 acres were excluded from the survey frame.

#### **Sample selection**

For each province, four strata were defined. The first stratum includes operations with a greenhouse area of less than 1 acre, greenhouse sales of less than \$110,000, no nursery or sod area, and that reported flower production in the 2006 Census of Agriculture. The second stratum includes all operations with a greenhouse area of less than 1 acre, greenhouse sales of less than \$110,000, no nursery or sod area, and that did not report flower production in the 2006 Census of Agriculture. The third stratum includes all operations with a greenhouse area of



less than 1 acre, greenhouse sales of less than \$110,000, nursery area greater than zero and less than 5 acres, and no sod area. All remaining operations were placed in the fourth stratum. Within each province, operations were sampled in the first three strata and a census was taken of all units in the fourth stratum. For each stratum where sampling was done, the minimum sample size was 15 and the maximum design weight was 5.

Overall, the sample size was determined in order to achieve a target CV of 0.01 (1%) for greenhouse sales, greenhouse area and nursery area at the provincial level. The final sample size for this survey was 5,216.

For this survey, we used two questionnaire versions: one full version requesting all the required information and one abridged version that essentially only requests totals. Following the sample selection, we allocated one of the two versions of the questionnaire to each operation sampled. We assigned one of the two versions to operations based on their province of operation and sales volume. We attributed the full version to 3,695 operations and the abridged version to 1,521 operations.

### **Data collection**

The reference period for this survey is calendar year 2009. Respondents received a copy of the questionnaire through the mail in early December 2009 and most of them were interviewed by telephone between January 11 and January 31, 2010.

Data collection for the 2009 Annual Greenhouse, Sod and Nursery Survey was undertaken using a "Computer Assisted Telephone Interview" (CATI) system. Some respondents, who have previously mentioned that they did not want to be interviewed over the phone, mailed back the questionnaire to the Ottawa Head Office.

During the data collection period, some respondents asked to not be interviewed over the phone. They were asked to complete the questionnaire and send it back to the Ottawa Head Office.

### **Response rates**

Information was received from nearly 88% of the sample. Non-responding units (i.e. no-contacts and refusals) are dealt with by adjusting the initial sample weights (raising factor adjustment).

### **Edit and imputation**

With the introduction of the CATI methodology, it is now possible to implement edit procedures at the time of the interview. Computer programmed edit checks in the CATI system inform interviewers during the interview of possible data errors, which can then be corrected immediately by the interviewer and respondent. The CATI system significantly reduces the need for subsequent telephone follow-up, thereby reducing respondent burden and survey processing time. Erroneous data and partially completed questionnaires are imputed using historical data.

### **Sampling and non-sampling errors**

The statistics contained in this publication are based on a random sample of agricultural operations and, as such, are subject to sampling and non-sampling errors. The overall quality of the estimates depends on the combined effect of these two types of errors. Sampling errors arise because estimates are derived from sample data and not from the entire population. Sampling error is quantified using the coefficient of variation (CV). The lower the CV, the smaller the sampling error.

Non-sampling errors are errors which are not related to sampling and may occur throughout the survey operation for many reasons. For example, non-response is an important source of non-sampling error. Coverage, differences in the interpretation of questions, incorrect information from respondents, mistakes in recording, coding and processing of data are other examples of non-sampling errors.

## Estimation

We weighted the information collected from the respondents to produce estimates representative of all of the operations in the greenhouse, sod and nursery industry in our survey frame. We produced estimates at the national and provincial level for different totals and sub-totals of industry variables. During the weighting, we took into consideration both versions of the questionnaires and ensured that all of the estimates produced for all variable types remained representative of all of the operations in the survey frame.

## Data quality

The estimates in this publication are based on a probability sample of farming operations. The potential error introduced by sampling can be estimated from the sample itself by using a statistical measure called the coefficient of variation (CV). Over repeated surveys, 95 times out of 100, the relative difference between a sample estimate and what should have been obtained from an enumeration of all farming operations with respect to the sample estimates would be less than twice the coefficient of variation. The sample estimate plus or minus twice the CV is referred to as the confidence interval.

For the 2009 Annual Greenhouse, Sod and Nursery Survey, CVs at the Canada level range generally from 2% to 10% for the variables that are more frequently reported (area, investment, expenditures, sales, etc.), which makes them very reliable. We obtained CVs around 10% for the different sales sectors. Some variables on plant, flower and tree varieties have CVs greater than 25%. The coefficients of variation are available upon request.

To improve data qualification, the symbols E and F have been introduced into the publication. An E means that the data are widely dispersed and that the estimate should be used with caution. An F replaces the estimate where the data are too unreliable for publication.