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Fruit and Vegetable Production

June 2009



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Statistics Canada
Agriculture Division
Crops Section

Fruit and Vegetable Production

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Symbols

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- . 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^s 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

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Highlights

2009 Spring Fruit and Vegetable Survey highlights

Canadian farmers reported planting 528,000 acres of fruits and vegetables in the spring of 2009, down 3.0% from the total in the spring of 2008.

Vegetable growers planted about 240,000 acres of vegetables, of which they expected to harvest 238,000 acres.

Harvesting area was down 1.3% from 2008. More than half (58.2%) of the 2009 crop will go to fresh markets and the rest for processing.

Quebec and Ontario continued to represent 83.7% of the expected vegetable area.

The five major processing vegetables – sweet corn, green peas, carrots, beans and tomatoes – accounted for 58.7% of the total expected vegetable area in Canada.

Farmers indicated increased plantings of lettuce, broccoli, cucumbers and gherkins, leeks and shallots. They reported however fewer green peas, tomatoes, dry onions and carrots.

Fruit operators planned to cultivate 288,000 acres of fruit, of which 190,000 acres, around two-thirds of the area, will bear fruit in 2009. This fruit-bearing area was down 3.6% from 2008.

About two-thirds of the fruit-bearing area will be processed, including almost all the low-bush blueberry, cranberry, vinifera grape and sour cherry area.

Apples, blueberries and grapes accounted for 82.6% of the planted area in 2009. New planting for apples along with other tree fruit such as peaches and pears has declined, specifically in Ontario. On the other hand, new plantings of vinifera grapes and cranberries increased in spring 2009.

2008 Mushroom Growers' Survey highlights

Growing area for mushrooms was 5.1 million square feet in 2008, one-quarter less than it was in 2007. Harvested mushroom area, however, increased by 2.6%. Sales across Canada were \$291 million dollars in 2008, a 5.9% increase from 2007.

Related products

Selected publications from Statistics Canada

21-011-X	Farm Cash Receipts - Agriculture Economic Statistics
22-008-U	Canadian Potato Production - Updates
22-202-X	Greenhouse, Sod and Nursery Industries
23-221-X	Production and Value of Honey and Maple Products

Selected CANSIM tables from Statistics Canada

001-0009	Area, production and farm value of fresh and processed fruits, by province, annual
001-0012	Area, production and sales of mushrooms, annual
001-0013	Area, production and farm value of vegetables, annual

Selected surveys from Statistics Canada

3407	Fruit and Vegetable Survey
3411	Mushroom Growers' Survey

Statistical tables

Table 1
Estimate of area, commercial production and farm value of fruits in Canada, by province, 2008

	Cultivated area, total ¹		Bearing area		Marketed production		Farm value
	acres	hectares ⁴	acres	hectares ⁴	tons	metric tonnes ⁵	thousand of dollars
Newfoundland and Labrador							
Apples	5 r	2 r	5 r	2 r	0	0	0
Apricots	0	0	0	0	0	0	0
Blueberries ²	2,000 r	809 r	800 r	324 r	200	181	390
Cherries, sour	0	0	0	0	0	0	0
Cherries, sweet	0	0	0	0	0	0	0
Cranberries	x	x	x	x	x	x	x
Grapes ³	.	.	.	.	.	.	.
Nectarines	.	.	.	.	.	.	.
Peaches	.	.	.	.	.	.	.
Pears	.	.	.	.	.	.	.
Plums and prunes	x	x	x	x	x	x	x
Raspberries	25	10	20	8	15	14	125
Strawberries	135 r	55 r	110 r	45 r	153 r	139 r	650 r
Prince Edward Island							
Apples	120	49	95	38	400	363	300
Apricots	0	0	0	0	0	0	0
Blueberries ²	10,000	4,047	5,000	2,023	4,800	4,354	6,200
Cherries, sour	0	0	0	0	0	0	0
Cherries, sweet	0	0	0	0	0	0	0
Cranberries	x	x	x	x	x	x	x
Grapes ³	15	6	10	4	5	5	10 E
Nectarines	.	.	.	.	.	.	.
Peaches	.	.	.	.	.	.	.
Pears	x	x	x	x	x	x	x
Plums and prunes	5	2	5	2	3	3	5
Raspberries	25	10	20	8	13	12	75
Strawberries	225	91	225	91	600	544	1,600
Nova Scotia							
Apples	6,000	2,428	5,200	2,104	42,750	38,782	12,300
Apricots	0	0	0	0	0	0	0
Blueberries ²	39,890	16,143	20,295	8,213	20,750	18,824	26,500
Cherries, sour	F	F	F	F	F	F	F
Cherries, sweet	15	6	15	6	F	F	50 E
Cranberries	250	101	210	85	1,050	953	2,600
Grapes ³	400	162	350	142	900	816	950
Nectarines	.	.	.	.	.	.	.
Peaches	55 r	22 r	45	18	103	93	130
Pears	200	81	180	73	525	476	270
Plums and prunes	45 r	18 r	40	16	118	107	125
Raspberries	110	45	90	36	55	50	400
Strawberries	700	283	380	154	1,200	1,089	3,800
New Brunswick							
Apples	700	283	560	227	4,250	3,856	2,020
Apricots	0	0	0	0	0	0	0
Blueberries ²	27,110	10,971	13,520	5,471	16,705	15,154	21,125
Cherries, sour	0	0	0	0	0	0	0
Cherries, sweet	0	0	0	0	0	0	0
Cranberries	550	223	490	198	4,158 r	3,772 r	4,200 r
Grapes ³	25	10	10	4	8	7	25
Nectarines	.	.	.	.	.	.	.
Peaches	.	.	.	.	.	.	.
Pears	x	x	x	x	x	x	x
Plums and prunes	x	x	x	x	x	x	x
Raspberries	140	57	120	49	65	59	290
Strawberries	400	162	340	138	750	680	2,200

See notes at the end of the table.

Table 1 – continued

Estimate of area, commercial production and farm value of fruits in Canada, by province, 2008

	Cultivated area, total ¹		Bearing area		Marketed production		Farm value
	acres	hectares ⁴	acres	hectares ⁴	tons	metric tonnes ⁵	thousand of dollars
Quebec							
Apples	15,765 r	6,380 r	12,400	5,018	90,000	81,646	41,995
Apricots	0	0	0	0	0	0	0
Blueberries ²	59,170	23,945	31,070	12,573	26,850	24,358	36,200
Cherries, sour	0	0	0	0	0	0	0
Cherries, sweet	0	0	0	0	0	0	0
Cranberries	5,280	2,137	x	x	x	x	x
Grapes ³	1,020	413	710	287	1,453	1,318	3,745
Nectarines	.	.	.	.	.	.	.
Peaches	0	0	0	0	0	0	0
Pears	60	24	40	16	100	91	130
Plums and prunes	45	18	30	12	40	36	65
Raspberries	1,700	688	1,150	465	1,040	943	4,390
Strawberries	4,300	1,740	3,260	1,319	10,290	9,335	26,230
Ontario							
Apples	18,000	7,284	16,500	6,677	211,250	191,642	73,000
Apricots	110	45	70	28	163	148	190
Blueberries ²	495	200	470	190	920	835	3,920
Cherries, sour	2,300	931	1,930	781	6,155 r	5,584 r	3,380 r
Cherries, sweet	675	273	660	267	1,080 r	980 r	3,090 r
Cranberries	F	F	x	x	x	x	x
Grapes ³	17,500	7,082	16,350	6,617	70,065 r	63,562 r	83,090 r
Nectarines	610	247	510	206	1,900	1,724	2,900
Peaches	6,400	2,590	6,000	2,428	24,006 r	21,778 r	30,433 r
Pears	2,000	809	1,900	769	4,500 r	4,082 r	4,800 r
Plums and prunes	900	364	800	324	1,450	1,315	2,300
Raspberries	800	324	750	304	600	544	3,400
Strawberries	3,100	1,255	3,050	1,234	6,900	6,260	19,420
Manitoba							
Apples	10	4	10 E	4	F	F	20 E
Apricots	0	0	0	0	0	0	0
Blueberries ²	0	0	0	0	0	0	0
Cherries, sour	0	0	0	0	0	0	0
Cherries, sweet	0	0	0	0	0	0	0
Cranberries	0	0	0	0	0	0	0
Grapes ³	.	.	.	.	.	.	.
Nectarines	.	.	.	.	.	.	.
Peaches	.	.	.	.	.	.	.
Pears	.	.	.	.	.	.	.
Plums and prunes	0	0	0	0	0	0	0
Raspberries	120	49	75	30	33	30	140
Strawberries	300	121	225	91	495	449	1,150
Saskatchewan							
Apples	40	16	20	8	5	5	5
Apricots	0	0	0	0	0	0	0
Blueberries ²	0	0	0	0	0	0	0
Cherries, sour	95	38	45	18	F	F	F
Cherries, sweet	0	0	0	0	0	0	0
Cranberries	0	0	0	0	0	0	0
Grapes ³	.	.	.	.	.	.	.
Nectarines	.	.	.	.	.	.	.
Peaches	.	.	.	.	.	.	.
Pears	.	.	.	.	.	.	.
Plums and prunes	0	0	0	0	0	0	0
Raspberries	60	24	55	22	15	14	60
Strawberries	150	61	100	40	90 E	82	290

See notes at the end of the table.

Table 1 – continued

Estimate of area, commercial production and farm value of fruits in Canada, by province, 2008

	Cultivated area, total ¹		Bearing area		Marketed production		Farm value
	acres	hectares ⁴	acres	hectares ⁴	tons	metric tonnes ⁵	thousand of dollars
Alberta							
Apples	35 ^E	14	15 ^E	6	F	F	F
Apricots	0	0	0	0	0	0	0
Blueberries ²	0	0	0	0	0	0	0
Cherries, sour	65	26	40	16	F	F	F
Cherries, sweet	0	0	0	0	0	0	0
Cranberries	0	0	0	0	0	0	0
Grapes ³	.	.	.	.	.	.	.
Nectarines	.	.	.	.	.	.	.
Peaches	.	.	.	.	.	.	.
Pears	.	.	.	.	.	.	.
Plums and prunes	0	0	0	0	0	0	0
Raspberries	200	81	100	40	55	50	200
Strawberries	350	142	280	113	290	263	1,100
British Columbia							
Apples	9,500	3,844	9,200 ^r	3,723 ^r	85,000 ^r	77,110 ^r	44,840 ^r
Apricots	450	182	405	164	1,033	937	1,435
Blueberries ²	18,000	7,284	12,000	4,856	34,000 ^r	30,844 ^r	65,875 ^r
Cherries, sour	F	F	F	F	F	F	F
Cherries, sweet	3,200	1,295	2,575	1,042	6,575	5,965	22,200
Cranberries	6,100	2,469	5,920 ^r	2,396 ^r	34,663 ^r	31,446 ^r	42,350 ^r
Grapes ³	6,640	2,687	6,010	2,432	16,813	15,252	33,150
Nectarines	200	81	200	81	930	844	1,040
Peaches	1,100	445	1,080	437	4,850	4,400	4,575
Pears	600 ^r	243 ^r	575 ^r	233 ^r	5,400 ^r	4,899 ^r	3,165 ^r
Plums and prunes	350	142	320	129	1,105	1,002	960
Raspberries	3,560	1,441	3,560	1,441	11,145 ^r	10,111 ^r	25,650
Strawberries	760	308	660	267	1,683	1,527	4,810
Canada							
Apples	50,175 ^r	20,305 ^r	44,005 ^r	17,808 ^r	433,690 ^r	393,435 ^r	174,495 ^r
Apricots	560	227	475	192	1,195	1,084	1,625
Blueberries ²	156,665 ^r	63,399 ^r	83,155 ^r	33,651 ^r	104,225 ^r	94,551 ^r	160,210 ^r
Cherries, sour	2,585	1,046	2,095	848	6,460 ^r	5,860 ^r	3,685 ^r
Cherries, sweet	3,890	1,574	3,250	1,315	7,680 ^r	6,967 ^r	25,340 ^r
Cranberries	12,415	5,024	10,925 ^r	4,421 ^r	80,075 ^r	72,642 ^r	115,960 ^r
Grapes ³	25,600	10,360	23,440	9,486	89,243 ^r	80,959 ^r	120,970 ^r
Nectarines	810	328	710	287	2,830	2,567	3,940
Peaches	7,555 ^r	3,057 ^r	7,125	2,883	28,959 ^r	26,271 ^r	35,138 ^r
Pears	2,870 ^r	1,161 ^r	2,705 ^r	1,095 ^r	10,543 ^r	9,564 ^r	8,405 ^r
Plums and prunes	1,355 ^r	548 ^r	1,205	488	2,723	2,470	3,470
Raspberries	6,740	2,728	5,940	2,404	13,035 ^r	11,825 ^r	34,730
Strawberries	10,420 ^r	4,217 ^r	8,630 ^r	3,492 ^r	22,450 ^r	20,366 ^r	61,250 ^r

1. Cultivated area includes bearing and non-bearing area.
2. Includes low bush and high bush blueberries.
3. Includes table and wine grapes.
4. Values retain the same quality as the previous column (acres).
5. Values retain the same quality as the previous column (tons).

Table 2
Estimate of fruit area in Canada, by province, 2009

	Cultivated area, total ¹		Bearing area		Marketed production		Farm value
	acres	hectares ⁴	acres	hectares ⁴	tons	metric tonnes ⁵	thousand of dollars
Newfoundland and Labrador							
Apples	F	F	F	F	..	..	..
Apricots	0	0	0	0	..	..	..
Blueberries ²	2,200	890	820	332	..	..	..
Cherries, sour	0	0	0	0	..	..	..
Cherries, sweet	0	0	0	0	..	..	..
Cranberries	x	x	x	x	..	..	..
Grapes ³	.	.	.	.	..	..	..
Nectarines	.	.	.	.	..	..	..
Peaches	.	.	.	.	..	..	..
Pears	.	.	.	.	..	..	..
Plums and prunes	x	x	x	x	..	..	..
Raspberries	20	8	20	8	..	..	..
Strawberries	125	51	105	42	..	..	..
Prince Edward Island							
Apples	120	49	95	38	..	..	..
Apricots	0	0	0	0	..	..	..
Blueberries ²	10,500	4,249	4,400	1,781	..	..	..
Cherries, sour	0	0	0	0	..	..	..
Cherries, sweet	0	0	0	0	..	..	..
Cranberries	x	x	x	x	..	..	..
Grapes ³	20	8	15	6	..	..	..
Nectarines	.	.	.	.	..	..	..
Peaches	.	.	.	.	..	..	..
Pears	5	2	5	2	..	..	..
Plums and prunes	x	x	x	x	..	..	..
Raspberries	25	10	20	8	..	..	..
Strawberries	160	65	125	51	..	..	..
Nova Scotia							
Apples	5,500	2,226	5,000	2,023	..	..	..
Apricots	0	0	0	0	..	..	..
Blueberries ²	39,825	16,116	19,515	7,897	..	..	..
Cherries, sour	5	2	5	2	..	..	..
Cherries, sweet	20	8	15	6	..	..	..
Cranberries	250	101	235	95	..	..	..
Grapes ³	440	178	350	142	..	..	..
Nectarines	.	.	.	.	..	..	..
Peaches	60	24	55	22	..	..	..
Pears	160	65	160	65	..	..	..
Plums and prunes	45	18	45	18	..	..	..
Raspberries	100	40	70	28	..	..	..
Strawberries	650	263	400	162	..	..	..
New Brunswick							
Apples	600	243	570	231	..	..	..
Apricots	0	0	0	0	..	..	..
Blueberries ²	28,020	11,339	13,420	5,431	..	..	..
Cherries, sour	0	0	0	0	..	..	..
Cherries, sweet	0	0	0	0	..	..	..
Cranberries	550	223	510	206	..	..	..
Grapes ³	35	14	25	10	..	..	..
Nectarines	.	.	.	.	..	..	..
Peaches	.	.	.	.	..	..	..
Pears	5	2	5	2	..	..	..
Plums and prunes	0	0	0	0	..	..	..
Raspberries	120	49	100	40	..	..	..
Strawberries	375	152	290	117	..	..	..

See notes at the end of the table.

Table 2 – continued

Estimate of fruit area in Canada, by province, 2009

	Cultivated area, total ¹		Bearing area		Marketed production		Farm value
	acres	hectares ⁴	acres	hectares ⁴	tons	metric tonnes ⁵	thousand of dollars
Quebec							
Apples	15,400	6,232	10,610	4,294	..	..	..
Apricots	0	0	0	0	..	..	..
Blueberries ²	63,550	25,717	31,975	12,940	..	..	..
Cherries, sour	0	0	0	0	..	..	..
Cherries, sweet	0	0	0	0	..	..	..
Cranberries	5,850	2,367	x	x	..	..	..
Grapes ³	1,115	451	815	330	..	..	..
Nectarines	.	.	.	.	..	..	..
Peaches	0	0	0	0	..	..	..
Pears	65	26	50	20	..	..	..
Plums and prunes	65	26	50	20	..	..	..
Raspberries	1,330	538	1,145	463	..	..	..
Strawberries	4,100	1,659	3,230	1,307	..	..	..
Ontario							
Apples	17,000	6,880	15,470	6,260	..	..	..
Apricots	95	38	50	20	..	..	..
Blueberries ²	495	200	445	180	..	..	..
Cherries, sour	2,200	890	1,905	771	..	..	..
Cherries, sweet	610	247	535	217	..	..	..
Cranberries	105 ^E	42	x	x	..	..	..
Grapes ³	17,700	7,163	15,960	6,459	..	..	..
Nectarines	600	243	540	219	..	..	..
Peaches	5,250	2,125	4,550	1,841	..	..	..
Pears	1,300	526	1,185	480	..	..	..
Plums and prunes	800	324	725	293	..	..	..
Raspberries	750	304	650	263	..	..	..
Strawberries	2,900	1,174	2,610	1,056	..	..	..
Manitoba							
Apples	10	4	10	4	..	..	..
Apricots	0	0	0	0	..	..	..
Blueberries ²	0	0	0	0	..	..	..
Cherries, sour	5	2	5	2	..	..	..
Cherries, sweet	0	0	0	0	..	..	..
Cranberries	0	0	0	0	..	..	..
Grapes ³	.	.	.	.	..	..	..
Nectarines	.	.	.	.	..	..	..
Peaches	.	.	.	.	..	..	..
Pears	.	.	.	.	..	..	..
Plums and prunes	0	0	0	0	..	..	..
Raspberries	85	34	65	26	..	..	..
Strawberries	305	123	245	99	..	..	..
Saskatchewan							
Apples	45	18	40	16	..	..	..
Apricots	0	0	0	0	..	..	..
Blueberries ²	0	0	0	0	..	..	..
Cherries, sour	140	57	100	40	..	..	..
Cherries, sweet	0	0	0	0	..	..	..
Cranberries	0	0	0	0	..	..	..
Grapes ³	.	.	.	.	..	..	..
Nectarines	.	.	.	.	..	..	..
Peaches	.	.	.	.	..	..	..
Pears	.	.	.	.	..	..	..
Plums and prunes	5 ^E	2	5 ^E	2	..	..	..
Raspberries	55	22	50	20	..	..	..
Strawberries	160	65	140	57	..	..	..

See notes at the end of the table.

Table 2 – continued

Estimate of fruit area in Canada, by province, 2009

	Cultivated area, total ¹		Bearing area		Marketed production		Farm value
	acres	hectares ⁴	acres	hectares ⁴	tons	metric tonnes ⁵	thousand of dollars
Alberta							
Apples	50	20	30	12	..	..	..
Apricots	0	0	0	0	..	..	..
Blueberries ²	0	0	0	0	..	..	..
Cherries, sour	60	24	35	14	..	..	..
Cherries, sweet	0	0	0	0	..	..	..
Cranberries	0	0	0	0	..	..	..
Grapes ³	.	.	.	.	.	.	.
Nectarines	.	.	.	.	.	.	.
Peaches	.	.	.	.	.	.	.
Pears	.	.	.	.	.	.	.
Plums and prunes	0	0	0	0	..	..	..
Raspberries	200	81	100	40	..	..	..
Strawberries	300	121	260	105	..	..	..
British Columbia							
Apples	8,900	3,602	8,100	3,278	..	..	..
Apricots	250	101	250	101	..	..	..
Blueberries ²	18,000	7,284	12,100	4,897	..	..	..
Cherries, sour	90	36	80	32	..	..	..
Cherries, sweet	3,000	1,214	2,585	1,046	..	..	..
Cranberries	5,900	2,388	5,900	2,388	..	..	..
Grapes ³	8,355	3,381	7,175	2,904	..	..	..
Nectarines	190	77	175	71	..	..	..
Peaches	1,015	411	930	376	..	..	..
Pears	600	243	550	223	..	..	..
Plums and prunes	290	117	255	103	..	..	..
Raspberries	3,680	1,489	3,435	1,390	..	..	..
Strawberries	710	287	580	235	..	..	..
Canada							
Apples	47,630	19,275	39,930	16,159	..	..	..
Apricots	345	140	300	121	..	..	..
Blueberries ²	162,590	65,797	82,675	33,457	..	..	..
Cherries, sour	2,500	1,012	2,130	862	..	..	..
Cherries, sweet	3,630	1,469	3,135	1,269	..	..	..
Cranberries	12,795	5,178	11,125	4,502	..	..	..
Grapes ³	27,665	11,195	24,340	9,850	..	..	..
Nectarines	790	320	715	289	..	..	..
Peaches	6,325	2,560	5,535	2,240	..	..	..
Pears	2,135	864	1,955	791	..	..	..
Plums and prunes	1,215	492	1,090	441	..	..	..
Raspberries	6,365	2,576	5,655	2,288	..	..	..
Strawberries	9,785	3,960	7,985	3,231	..	..	..

1. Cultivated area includes bearing and non-bearing area.
2. Includes low bush and high bush blueberries.
3. Includes table and wine grapes.
4. Values retain the same quality as the previous column (acres).
5. Values retain the same quality as the previous column (tons).

Table 3-1

Estimate of area, commercial production and farm value of vegetables in Canada, by province, 2008 — Newfoundland and Labrador

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
Newfoundland and Labrador									
Asparagus	0	0	0	0	0	0	0	0	0
Beans	5	2	5	2	3	3	3	3	5
Beets	40	16	35	14	175	159	175	159	150
Broccoli	20	8	15	6	35	32	35	32	90
Brussels sprouts	0	0	0	0	0	0	0	0	0
Cabbage ¹	120	49	110	45	1,200	1,089	1,150	1,043	700
Carrots ²	175	71	160	65	1,200	1,089	1,200	1,089	910
Cauliflower	10	4	10	4	8	7	8	7	20
Celery	0	0	0	0	0	0	0	0	0
Corn	30 ^E	12	30 ^E	12	30 ^E	27	30 ^E	27	30 ^E
Cucumbers	0	0	0	0	0	0	0	0	0
Garlic	.	.	.	.	.	.	.	.	.
Leeks	0	0	0	0	0	0	0	0	0
Lettuce ³	10	4	10	4	23	21	23	21	55
Dry onions	x	x	x	x	x	x	x	x	x
Other melons	.	.	.	.	.	.	.	.	.
Parsley	.	.	.	.	.	.	.	.	.
Parsnips	15	6	10	4	28	25	25	23	60
Peas	0	0	0	0	0	0	0	0	0
Peppers	0	0	0	0	0	0	0	0	0
Pumpkins	15	6	15	6	75	68	75	68	40
Radishes	0	0	0	0	0	0	0	0	0
Rhubarb	.	.	.	.	.	.	.	.	.
Rutabagas and turnips	330	134	160	65	1,500	1,361	1,500	1,361	1,100
Shallots	0	0	0	0	0	0	0	0	0
Spinach	0	0	0	0	0	0	0	0	0
Squash and zucchinis	F	F	F	F	3	3	3	3	F
Tomatoes	0	0	0	0	0	0	0	0	0
Watermelon	.	.	.	.	.	.	.	.	.
Greenhouse vegetables									
Tomatoes	0	0	0	0	F	F	F	F	F
					'000 dozens				
Cucumbers ⁴	x	x	x	x	x		x		x

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 3-2
Estimate of area, commercial production and farm value of vegetables in Canada, by province, 2008 — Prince Edward Island

	Area planted		Area harvested		Production, total		Marketed production		Farm value	
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars	
Prince Edward Island										
Asparagus	x	x	x	x	x	x	x	x	x	
Beans	20	8	20	8	30	27	30	27	120	
Beets	40	16	40	16	80 ^E	73	80 ^E	73	170 ^E	
Broccoli	50	20	40	16	123	112	123	112	120	
Brussels sprouts	x	x	x	x	x	x	x	x	x	
Cabbage ¹	200	81	180	73	2,100	1,905	2,100	1,905	770	
Carrots ²	795	322	795	322	11,000	9,979	9,400	8,528	1,860	
Cauliflower	225 ^E	91	225 ^E	91	F	F	F	F	670 ^E	
Celery	0	0	0	0	0	0	0	0	0	
Corn	60	24	50	20	205	186	205	186	230	
Cucumbers	15	6	15	6	70	64	70	64	70	
Garlic	.	.	.	.	.	.	.	.	.
Leeks	0	0	0	0	0	0	0	0	0	
Lettuce ³	35	14	35	14	173	157	173	157	160	
Dry onions	x	x	x	x	x	x	x	x	x	
Other melons	.	.	.	.	.	.	.	.	.
Parsley	.	.	.	.	.	.	.	.	.
Parsnips	x	x	x	x	x	x	x	x	x	
Peas	0	0	0	0	0	0	0	0	0	
Peppers	0	0	0	0	0	0	0	0	0	
Pumpkins	70	28	60	24	468	425	468	425	150 ^E	
Radishes	0	0	0	0	0	0	0	0	0	
Rhubarb	.	.	.	.	.	.	.	.	.
Rutabagas and turnips	500	202	400	162	4,700	4,264	4,650	4,218	1,600	
Shallots	0	0	0	0	0	0	0	0	0	
Spinach	0	0	0	0	0	0	0	0	0	
Squash and zucchinis	10	4	10	4	15	14	15	14	15	
Tomatoes	5	2	5	2	10	9	10	9	30	
Watermelon	.	.	.	.	.	.	.	.	.
Greenhouse vegetables										
Tomatoes	1	0	1	0	107	97	107	97	224	
					'000 dozens					
Cucumbers ⁴	x	x	x	x	x		x		x	

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 3-3
Estimate of area, commercial production and farm value of vegetables in Canada, by province, 2008 — Nova Scotia

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
Nova Scotia									
Asparagus	10	4	10	4	5	5	5	5	40
Beans	150	61	130	53	215	195	215	195	550
Beets	40	16	40	16	150	136	150	136	285
Broccoli	F	F	F	F	F	F	F	F	F
Brussels sprouts	x	x	x	x	x	x	x	x	x
Cabbage ¹	480	194	480	194	8,360	7,584	8,360	7,584	1,560
Carrots ²	2,190	886	2,190	886	40,600	36,832	40,600	36,832	5,480
Cauliflower	F	F	F	F	F	F	F	F	F
Celery	0	0	0	0	0	0	0	0	0
Corn	400	162	400	162	1,200 ^E	1,089	1,200 ^E	1,089	650
Cucumbers	35	14	30	12	143	130	140	127	130
Garlic	.	.	.	.	.	.	.	.	.
Leeks	F	F	F	F	F	F	F	F	F
Lettuce ³	125	51	50	20	88	80	70	64	250
Dry onions	615	249	610	247	10,000	9,072	7,150	6,486	1,600
Other melons	.	.	.	.	.	.	.	.	.
Parsley	.	.	.	.	.	.	.	.	.
Parsnips	x	x	x	x	x	x	x	x	x
Peas	55	22	55	22	65	59	65	59	200
Peppers	5 ^E	2	5 ^E	2	F	F	F	F	F
Pumpkins	210	85	200	81	900	816	875	794	240
Radishes	0	0	0	0	0	0	0	0	0
Rhubarb	.	.	.	.	.	.	.	.	.
Rutabagas and turnips	210	85	200	81	1,850	1,678	1,400	1,270	620
Shallots	F	F	F	F	F	F	38	34	65
Spinach	F	F	F	F	F	F	F	F	F
Squash and zucchinis	120	49	115	47	340	308	325	295	200
Tomatoes	35	14	25	10	135	122	135	122	180
Watermelon	.	.	.	.	.	.	.	.	.
Greenhouse vegetables									
Tomatoes	F	F	F	F	F	F	F	F	F
					'000 dozens				
Cucumbers ⁴	F	F	F	F	F		F		F

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 3-4
Estimate of area, commercial production and farm value of vegetables in Canada, by province, 2008 — New Brunswick

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
New Brunswick									
Asparagus	x	x	x	x	x	x	x	x	x
Beans	185 ^E	75	170 ^E	69	180 ^E	163	180 ^E	163	610 ^E
Beets	30	12	30	12	40	36	40	36	80
Broccoli	65	26	65	26	245	222	245	222	270 ^E
Brussels sprouts	0	0	0	0	0	0	0	0	0
Cabbage ¹	120	49	120	49	678	615	678	615	460 ^E
Carrots ²	120	49	120	49	2,225	2,018	2,225	2,018	325
Cauliflower	15	6	15	6	100	91	100	91	80 ^E
Celery	0	0	0	0	0	0	0	0	0
Corn	400	162	350	142	755	685	755	685	770
Cucumbers	50	20	45	18	300	272	300	272	210
Garlic	.	.	.	.	.	.	.	.	.
Leeks	0	0	0	0	0	0	0	0	0
Lettuce ³	15	6	15	6	18	16	18	16	75
Dry onions	10	4	10	4	15	14	15	14	20
Other melons	.	.	.	.	.	.	.	.	.
Parsley	.	.	.	.	.	.	.	.	.
Parsnips	0	0	0	0	0	0	0	0	0
Peas	35	14	20	8	20	18	20	18	80
Peppers	10	4	10	4	5	5	5	5	10
Pumpkins	120	49	110	45	535	485	535	485	180
Radishes	0	0	0	0	0	0	0	0	0
Rhubarb	.	.	.	.	.	.	.	.	.
Rutabagas and turnips	90	36	60	24	285	259	285	259	160
Shallots	5	2	5	2	8	7	8	7	15
Spinach	5	2	5	2	3	3	3	3	10
Squash and zucchinis	170	69	140	57	630	572	630	572	330
Tomatoes	30	12	30	12	100	91	100	91	160
Watermelon	.	.	.	.	.	.	.	.	.
Greenhouse vegetables									
Tomatoes	F	F	F	F	F	F	F	F	F
					'000 dozens				
Cucumbers ⁴	F	F	F	F	F		F		F

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 3-5
Estimate of area, commercial production and farm value of vegetables in Canada, by province, 2008 — Quebec

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
Quebec									
Asparagus	600	243	500	202	750	680	750	680	2,600
Beans	10,000	4,047	9,155 r	3,705 r	26,305 r	23,864 r	26,305 r	23,864 r	8,895 r
Beets	1,200	486	1,120	453	11,990	10,877	9,828	8,916	2,428
Broccoli	3,600	1,457	3,515	1,422	21,870	19,840	21,720	19,704	19,220
Brussels sprouts	190	77	160	65	600	544	600	544	1,000
Cabbage ¹	4,320	1,748	4,020	1,627	78,900	71,577	64,728	58,720	16,763
Carrots ²	7,225	2,924	7,020 r	2,841 r	93,038	84,403	84,488 r	76,646 r	28,700
Cauliflower	1,800	728	1,655	670	15,345	13,921	15,345	13,921	10,295 r
Celery	1,270	514	1,120	453	20,225	18,348	20,225	18,348	8,632
Corn	18,880	7,640	17,620	7,131	77,945	70,711	75,475	68,470	18,000
Cucumbers	1,830	741	1,830	741	19,285	17,495	18,393 r	16,686 r	6,925
Garlic	30	12	30	12	F	F	F	F	F
Leeks	320	129	300	121	2,970	2,694	2,970	2,694	3,000
Lettuce ³	6,790	2,748	5,540	2,242	65,380	59,312	65,380	59,312	37,530
Dry onions	5,200	2,104	4,060	1,643	64,695	58,690	55,800	50,621	19,075
Other melons	475	192	450	182	4,945	4,486	4,945	4,486	2,620
Parsley	115	47	105	42	535	485	535	485	680
Parsnips	300	121	295	119	1,765	1,601	1,325	1,202	920
Peas	10,500	4,249	10,165	4,114	22,425	20,344	22,425	20,344	6,040
Peppers	1,325	536	1,235 r	500 r	16,650	15,105	16,605	15,064	10,905 r
Pumpkins	1,480	599	1,320	534	13,800	12,519	13,710	12,438	2,370
Radishes	1,750	708	1,680	680	7,358	6,675	7,358	6,675	7,490
Rhubarb	40	16	40	16	200	181	200	181	400 E
Rutabagas and turnips	1,000	405	980	397	12,600	11,431	8,650	7,847	3,140
Shallots	1,060	429	910	368	11,483	10,417	11,295	10,247	12,890
Spinach	F	F	F	F	1,100	998	1,100	998	1,300
Squash and zucchinis	1,470	595	1,230	498	7,045	6,391	6,810	6,178	5,040
Tomatoes	1,100	445	1,050	425	5,650	5,126	5,650	5,126	4,400
Watermelon	120	49	110	45	1,370	1,243	1,370	1,243	530
Greenhouse vegetables									
Tomatoes	133	54	133	54	21,706 E	19,692	21,706 E	19,692	51,854 E
					'000 dozens				
Cucumbers ⁴	17	7	17	7	226		226		1,902

1. Includes Chinese cabbage and regular cabbage.
2. Includes baby carrots and regular carrots.
3. Includes leaf and head lettuce.
4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.
5. Values retain the same quality as the previous column (acres).
6. Values retain the same quality as the previous column (tons).

Table 3-6
Estimate of area, commercial production and farm value of vegetables in Canada, by province, 2008 — Ontario

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
Ontario									
Asparagus	3,400	1,376	3,200	1,295	4,150	3,765	4,150	3,765	10,400
Beans	8,000	3,237	8,000	3,237	21,500	19,504	21,500	19,504	9,800
Beets	1,000	405	1,000	405	10,500	9,525	5,960 r	5,407 r	1,640 r
Broccoli	3,785	1,532	3,545	1,435	8,000	7,257	8,000	7,257	8,800
Brussels sprouts	295 E	119	295 E	119	1,225 E	1,111	1,225 E	1,111	F
Cabbage ¹	4,095	1,657	3,785	1,532	52,600	47,718	51,850	47,038	14,750
Carrots ²	8,300	3,359	8,250	3,339	131,500	119,295	123,450 r	111,992 r	18,070 r
Cauliflower	1,490	603	1,310	530	13,115	11,898	13,115	11,898	6,670
Celery	520	210	465	188	14,500	13,154	14,300	12,973	4,375
Corn	26,000	10,522	26,000	10,522	130,000	117,934	130,000	117,934	28,000
Cucumbers	2,370	959	2,290	927	23,775	21,568	21,438 r	19,448 r	9,310 r
Garlic	320	129	290	117	490	445	458	415	1,670
Leeks	185	75	165	67	1,343	1,218	1,300	1,179	1,730
Lettuce ³	1,540	623	1,540	623	6,750	6,123	6,750	6,123	4,150
Dry onions	5,890	2,384	5,490	2,222	111,000	100,698	92,500	83,915	21,300
Other melons	680	275	680	275	7,568	6,866	7,568	6,866	3,340
Parsley	145	59	135	55	705	640	705	640	1,110
Parsnips	140	57	100	40	1,950	1,769	1,500	1,361	600
Peas	19,460	7,875	19,460	7,875	44,065 r	39,975 r	44,065 r	39,975 r	12,345 r
Peppers	3,115	1,261	2,880	1,165	28,130	25,519	22,845 r	20,725 r	12,710 r
Pumpkins	4,375	1,770	4,065	1,645	28,430 r	25,791 r	28,430 r	25,791 r	6,700 r
Radishes	390	158	315	127	2,098	1,903	2,098	1,903	1,355
Rhubarb	90	36	65	26	250	227	250	227	150
Rutabagas and turnips	1,780	720	1,780	720	19,155	17,377	19,155	17,377	5,700
Shallots	550	223	520	210	2,665	2,418	2,665	2,418	3,500
Spinach	1,160	469	1,160	469	2,685	2,436	2,685	2,436	3,100
Squash and zucchinis	2,760	1,117	2,625	1,062	12,445	11,290	12,445	11,290	7,690
Tomatoes	17,210	6,965	17,210	6,965	613,500 r	556,558 r	613,500 r	556,558 r	69,730 r
Watermelon	725	293	710	287	9,500	8,618	9,500	8,618	2,800
Greenhouse vegetables									
Tomatoes	712	288	712	288	140,452	127,416	140,452	127,416	204,579
					'000 dozens				
Cucumbers ⁴	507	205	507	205	20,736		20,736		130,659

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 3-7
Estimate of area, commercial production and farm value of vegetables in Canada, by province, 2008 — Manitoba

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
Manitoba									
Asparagus	155 ^E	63	x	x	235 ^E	213	x	x	670 ^E
Beans	60	24	60	24	45	41	45	41	60
Beets	40 ^E	16	40 ^E	16	x	x	x	x	x
Broccoli	340	138	250	101	2,190 ^E	1,987	2,190 ^E	1,987	1,750 ^E
Brussels sprouts	0	0	0	0	0	0	0	0	0
Cabbage ¹	395	160	395	160	3,088	2,801	3,088	2,801	1,120
Carrots ²	610	247	610	247	4,550	4,128	4,550	4,128	1,200
Cauliflower	x	x	x	x	x	x	x	x	x
Celery	x	x	x	x	x	x	x	x	x
Corn	640	259	555	225	995	903	995	903	980
Cucumbers	150	61	120	49	550	499	550	499	400
Garlic	.	.	.	.	.	.	.	.	.
Leeks	0	0	0	0	0	0	0	0	0
Lettuce ³	x	x	x	x	x	x	x	x	x
Dry onions	900	364	900	364	11,500	10,433	11,500	10,433	7,635
Other melons	.	.	.	.	.	.	.	.	.
Parsley	.	.	.	.	.	.	.	.	.
Parsnips	x	x	x	x	x	x	x	x	x
Peas	50	20	50	20	40	36	40	36	130
Peppers	10	4	10	4	x	x	x	x	x
Pumpkins	100	40	100	40	x	x	x	x	x
Radishes	x	x	x	x	x	x	x	x	x
Rhubarb	.	.	.	.	.	.	.	.	.
Rutabagas and turnips	x	x	x	x	x	x	x	x	x
Shallots	x	x	x	x	x	x	x	x	x
Spinach	0	0	0	0	0	0	0	0	0
Squash and zucchinis	30	12	30	12	155	141	155	141	135
Tomatoes	20	8	20	8	F	F	F	F	F
Watermelon	.	.	.	.	.	.	.	.	.
Greenhouse vegetables									
Tomatoes	1	0	1	0	F	F	F	F	F
					'000 dozens				
Cucumbers ⁴	F	F	F	F	F		F		F

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 3-8
Estimate of area, commercial production and farm value of vegetables in Canada, by province, 2008 — Saskatchewan

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
Saskatchewan									
Asparagus	5	2	5	2	3	3	3	3	30
Beans	10	4	10	4	10	9	10	9	70
Beets	10	4	5	2	x	x	x	x	x
Broccoli	5	2	5	2	5	5	5	5	15
Brussels sprouts	0	0	0	0	0	0	0	0	0
Cabbage ¹	80	32	75	30	x	x	x	x	x
Carrots ²	20	8	15	6	55	50	55	50	160
Cauliflower	5	2	5	2	10	9	10	9	35
Celery	0	0	0	0	0	0	0	0	0
Corn	120	49	55	22	30	27	30	27	70
Cucumbers	20	8	15	6	28	25	28	25	110
Garlic	.	.	.	.	.	.	.	.	.
Leeks	0	0	0	0	0	0	0	0	0
Lettuce ³	x	x	x	x	x	x	x	x	x
Dry onions	10	4	10	4	20	18	20	18	35
Other melons	.	.	.	.	.	.	.	.	.
Parsley	.	.	.	.	.	.	.	.	.
Parsnips	0	0	0	0	0	0	0	0	0
Peas	30	12	30	12	15	14	15	14	100
Peppers	0	0	0	0	0	0	0	0	0
Pumpkins	40	16	40	16	x	x	x	x	x
Radishes	5	2	5	2	3	3	3	3	10
Rhubarb	.	.	.	.	.	.	.	.	.
Rutabagas and turnips	0	0	0	0	0	0	0	0	0
Shallots	5	2	5	2	5	5	5	5	10
Spinach	0	0	0	0	0	0	0	0	0
Squash and zucchinis	15	6	15	6	13	12	13	12	20
Tomatoes	5	2	5	2	15	14	13	12	40
Watermelon	.	.	.	.	.	.	.	.	.
Greenhouse vegetables									
Tomatoes	1	0	1	0	100	91	100	91	390
					'000 dozens				
Cucumbers ⁴	1	0	1	0	20		20		204 ^E

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 3-9
Estimate of area, commercial production and farm value of vegetables in Canada, by province, 2008 — Alberta

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
Alberta									
Asparagus	F	F	x	x	F	F	x	x	F
Beans	260 ^E	105	260 ^E	105	230 ^E	209	230 ^E	209	510 ^E
Beets	30	12	30	12	88	80	88	80	150
Broccoli	30	12	30	12	60	54	60	54	180
Brussels sprouts	0	0	0	0	0	0	0	0	0
Cabbage ¹	F	F	F	F	x	x	x	x	x
Carrots ²	F	F	F	F	F	F	F	F	F
Cauliflower	x	x	x	x	x	x	x	x	x
Celery	x	x	x	x	x	x	x	x	x
Corn	4,000	1,619	4,000	1,619	16,000	14,515	15,500	14,061	3,400
Cucumbers	40	16	40	16	173	157	135	122	220
Garlic	.	.	.	.	.	.	.	.	.
Leeks	0	0	0	0	0	0	0	0	0
Lettuce ³	10	4	10	4	10	9	10	9	30
Dry onions	1,000	405	F	F	6,350 ^E	5,761	6,350 ^E	5,761	2,600 ^E
Other melons	.	.	.	.	.	.	.	.	.
Parsley	.	.	.	.	.	.	.	.	.
Parsnips	x	x	x	x	x	x	x	x	x
Peas	4,300	1,740	4,100	1,659	6,150	5,579	6,150	5,579	1,900
Peppers	0	0	0	0	0	0	0	0	0
Pumpkins	310 ^E	125	280 ^E	113	1,900	1,724	1,900	1,724	590
Radishes	x	x	x	x	x	x	x	x	x
Rhubarb	.	.	.	.	.	.	.	.	.
Rutabagas and turnips	x	x	x	x	x	x	x	x	x
Shallots	x	x	x	x	x	x	x	x	x
Spinach	5	2	5	2	3	3	3	3	10
Squash and zucchinis	125	51	100	40	325	295	300	272	200
Tomatoes	5	2	5	2	5	5	5	5	10 ^E
Watermelon	.	.	.	.	.	.	.	.	.
Greenhouse vegetables									
Tomatoes	17	7	17	7	3,935	3,570	3,935	3,570	7,189
					'000 dozens				
Cucumbers ⁴	46	19	46	19	3,125		3,125		20,923

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 3-10
Estimate of area, commercial production and farm value of vegetables in Canada, by province, 2008 — British Columbia

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
British Columbia									
Asparagus	175	71	175	71	100	91	100	91	320
Beans	2,410	975	2,270	919	8,000	7,257	7,530	6,831	4,890
Beets	190	77	190	77	1,750	1,588	1,750	1,588	1,260
Broccoli	925	374	720	291	1,813	1,645	1,788	1,622	1,790
Brussels sprouts	720	291	650	263	4,500	4,082	4,200	3,810	3,650
Cabbage ¹	720	291	700	283	5,550	5,035	5,550	5,035	3,600
Carrots ²	450	182	450	182	5,345	4,849	5,345	4,849	2,990
Cauliflower	105	42	105	42	430	390	430	390	510
Celery	10	4	10	4	98	89	98	89	80
Corn	3,030	1,226	3,030	1,226	11,850	10,750	11,850	10,750	6,150
Cucumbers	120	49	110	45	500	454	500	454	800
Garlic	55 ^E	22	45 ^E	18	F	F	F	F	F
Leeks	45	18	40	16	195	177	195	177	305
Lettuce ³	435	176	410	166	4,480	4,064	4,480	4,064	3,535
Dry onions	200	81	200	81	2,050	1,860	2,050	1,860	900
Other melons	50	20	50	20	500	454	500	454	360
Parsley	30	12	30	12	175	159	175	159	280
Parsnips	45	18	40	16	200	181	200	181	320
Peas	1,750	708	1,750	708	3,605	3,270	3,605	3,270	2,310
Peppers	200	81	200	81	x	x	x	x	x
Pumpkins	600	243	530	214	5,500	4,990	5,500	4,990	1,730
Radishes	90	36	90	36	550	499	550	499	510
Rhubarb	120	49	110	45	680	617	680	617	500
Rutabagas and turnips	230	93	215	87	2,188	1,985	2,188	1,985	1,340
Shallots	70	28	70	28	488	443	488	443	900
Spinach	105	42	100	40	500	454	500	454	625
Squash and zucchinis	500 ^r	202 ^r	500 ^r	202 ^r	2,800	2,540	2,800	2,540	2,300
Tomatoes	165	67	165	67	1,300	1,179	1,300	1,179	1,300
Watermelon	35	14	35	14	150	136	150	136	175
Greenhouse vegetables									
Tomatoes	272	110	272	110	59,241	53,742	59,241	53,742	101,442
'000 dozens									
Cucumbers ⁴	110	45	110	45	4,976		4,976		33,063

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 3-11
Estimate of area, commercial production and farm value of vegetables in Canada, by province, 2008 — Canada

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
Canada									
Asparagus	4,405 r	1,783 r	4,060	1,643	5,253	4,765	5,253	4,765	14,085
Beans	21,100	8,539	20,080 r	8,126 r	56,518 r	51,272 r	56,048 r	50,846 r	25,510 r
Beets	2,620	1,060	2,530	1,024	25,113	22,782	18,410 r	16,701 r	6,313 r
Broccoli	9,470	3,832	8,685	3,515	35,740	32,423	35,565	32,264	33,735
Brussels sprouts	1,415	573	1,305	528	6,890	6,251	6,590	5,978	7,385
Cabbage ¹	10,925	4,421	10,260	4,152	157,930	143,272	142,958	129,689	42,178
Carrots ²	20,690	8,373	20,340 r	8,231 r	294,520	267,184	276,320 r	250,673 r	61,720 r
Cauliflower	4,430	1,793	3,965	1,605	34,280	31,098	34,240	31,062	22,295 r
Celery	1,965	795	1,711	692	36,433	33,051	36,233	32,870	13,852
Corn	53,560	21,675	52,090	21,080	239,010	216,826	236,040	214,132	58,280
Cucumbers	4,630	1,874	4,495	1,819	44,823	40,663	41,553 r	37,696 r	18,175 r
Garlic	410	166	370	150	568	515	530	481	2,255
Leeks	560	227	515	208	4,558	4,135	4,515	4,096	5,135
Lettuce ³	9,115	3,689	7,735	3,130	77,623	70,418	77,605	70,402	46,425
Dry onions	13,875	5,615	11,835	4,789	206,233	187,091	175,988	159,654	53,305
Other melons	1,230	498	1,195	484	13,045	11,834	13,045	11,834	6,360
Parsley	295	119	275	111	1,435	1,302	1,435	1,302	2,125
Parsnips	700	283	645	261	4,738	4,298	3,825	3,470	2,905
Peas	36,180	14,642	35,630	14,419	76,385 r	69,295 r	76,385 r	69,295 r	23,105 r
Peppers	4,665	1,888	4,340 r	1,756 r	46,265	41,971	40,935 r	37,136 r	25,425 r
Pumpkins	7,320	2,962	6,720	2,719	52,628 r	47,743 r	52,513 r	47,639 r	12,345 r
Radishes	2,415	977	2,270	919	10,470	9,498	10,470	9,498	9,865
Rhubarb	355	144	295	119	1,688	1,531	1,688	1,531	1,310
Rutabagas and turnips	4,295	1,738	3,945	1,596	44,793	40,636	40,343	36,599	14,770
Shallots	1,905	771	1,720	696	17,135	15,545	16,948	15,375	20,225
Spinach	2,025	819	1,820	737	4,348	3,944	4,348	3,944	5,280
Squash and zucchinis	5,205 r	2,106 r	4,770 r	1,930 r	23,770	21,564	23,495	21,314	15,935
Tomatoes	18,575	7,517	18,515	7,493	620,748 r	563,133 r	620,745 r	563,131 r	75,915 r
Watermelon	900	364	870	352	11,060	10,033	11,053	10,027	3,545
Greenhouse vegetables									
Tomatoes	1,152	466	1,152	466	228,097	206,926	228,097	206,926	371,670
						'000 dozens			
Cucumbers ⁴	683	276	683	276	29,202		29,202		187,422

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 4-1
Estimate of vegetable area in Canada, by province, 2009 — Newfoundland and Labrador

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
Newfoundland and Labrador									
Asparagus	0	0	0	0	..	..	..	..	..
Beans	0	0	0	0	..	..	..	..	..
Beets	40	16	40	16	..	..	..	..	..
Broccoli	15	6	15	6	..	..	..	..	..
Brussels sprouts	0	0	0	0	..	..	..	..	..
Cabbage ¹	145	59	145	59	..	..	..	..	..
Carrots ²	155 ^E	63	140 ^E	57	..	..	..	..	..
Cauliflower	5	2	5	2	..	..	..	..	..
Celery	0	0	0	0	..	..	..	..	..
Corn	15 ^E	6	15 ^E	6	..	..	..	..	..
Cucumbers	0	0	0	0	..	..	..	..	..
Garlic	.	.	.	.	..	..	..	..	..
Leeks	0	0	0	0	..	..	..	..	..
Lettuce ³	x	x	x	x	..	..	..	..	..
Dry onions	F	F	5	2	..	..	..	..	..
Other melons	.	.	.	.	..	..	..	..	..
Parsley	.	.	.	.	..	..	..	..	..
Parsnips	15	6	10	4	..	..	..	..	..
Peas	0	0	0	0	..	..	..	..	..
Peppers	0	0	0	0	..	..	..	..	..
Pumpkins	15 ^E	6	15 ^E	6	..	..	..	..	..
Radishes	0	0	0	0	..	..	..	..	..
Rhubarb	.	.	.	.	..	..	..	..	..
Rutabagas and turnips	200	81	200	81	..	..	..	..	..
Shallots	0	0	0	0	..	..	..	..	..
Spinach	0	0	0	0	..	..	..	..	..
Squash and zucchinis	5	2	5	2	..	..	..	..	..
Tomatoes	0	0	0	0	..	..	..	..	..
Watermelon	.	.	.	.	..	..	..	..	..
Greenhouse vegetables									
Tomatoes	..	..	..	..	..	..	..	..	..
					'000 dozens				
Cucumbers ⁴	..	..	..	..	..	..	..	..	..

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 4-2
Estimate of vegetable area in Canada, by province, 2009 — Prince Edward Island

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
Prince Edward Island									
Asparagus	5	2	5	2	..	..	..	..	..
Beans	25	10	25	10	..	..	..	..	..
Beets	45 ^E	18	40 ^E	16	..	..	..	..	..
Broccoli	45	18	45	18	..	..	..	..	..
Brussels sprouts	x	x	x	x	..	..	..	..	..
Cabbage ¹	205 ^E	83	205 ^E	83	..	..	..	..	..
Carrots ²	935	378	935	378	..	..	..	..	..
Cauliflower	F	F	F	F	..	..	..	..	..
Celery	0	0	0	0	..	..	..	..	..
Corn	60	24	60	24	..	..	..	..	..
Cucumbers	15	6	15	6	..	..	..	..	..
Garlic	.	.	.	.	..	..	..	..	..
Leeks	0	0	0	0	..	..	..	..	..
Lettuce ³	45	18	45	18	..	..	..	..	..
Dry onions	40 ^E	16	40	16	..	..	..	..	..
Other melons	.	.	.	.	..	..	..	..	..
Parsley	.	.	.	.	..	..	..	..	..
Parsnips	F	F	F	F	..	..	..	..	..
Peas	5	2	5	2	..	..	..	..	..
Peppers	0	0	0	0	..	..	..	..	..
Pumpkins	40	16	40	16	..	..	..	..	..
Radishes	0	0	0	0	..	..	..	..	..
Rhubarb	.	.	.	.	..	..	..	..	..
Rutabagas and turnips	445	180	445	180	..	..	..	..	..
Shallots	0	0	0	0	..	..	..	..	..
Spinach	5	2	5	2	..	..	..	..	..
Squash and zucchinis	15	6	15	6	..	..	..	..	..
Tomatoes	10	4	10	4	..	..	..	..	..
Watermelon	.	.	.	.	..	..	..	..	..
Greenhouse vegetables									
Tomatoes	..	..	..	..	..	..	..	..	..
'000 dozens									
Cucumbers ⁴	..	..	..	..	..	..	..	..	..

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 4-3
Estimate of vegetable area in Canada, by province, 2009 — Nova Scotia

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
Nova Scotia									
Asparagus	10	4	10	4	..	..	..	..	..
Beans	155	63	150	61	..	..	..	..	..
Beets	40	16	40	16	..	..	..	..	..
Broccoli	600	243	600	243	..	..	..	..	..
Brussels sprouts	x	x	x	x	..	..	..	..	..
Cabbage ¹	185	75	185	75	..	..	..	..	..
Carrots ²	2,450	991	2,445	989	..	..	..	..	..
Cauliflower	F	F	F	F	..	..	..	..	..
Celery	0	0	0	0	..	..	..	..	..
Corn	325	132	325	132	..	..	..	..	..
Cucumbers	55	22	55	22	..	..	..	..	..
Garlic	.	.	.	.	..	..	..	..	..
Leeks	10 ^E	4	10	4	..	..	..	..	..
Lettuce ³	115	47	115	47	..	..	..	..	..
Dry onions	525	212	525	212	..	..	..	..	..
Other melons	.	.	.	.	..	..	..	..	..
Parsley	.	.	.	.	..	..	..	..	..
Parsnips	5	2	5	2	..	..	..	..	..
Peas	50	20	50	20	..	..	..	..	..
Peppers	10	4	10	4	..	..	..	..	..
Pumpkins	155	63	155	63	..	..	..	..	..
Radishes	0	0	0	0	..	..	..	..	..
Rhubarb	.	.	.	.	..	..	..	..	..
Rutabagas and turnips	145	59	145	59	..	..	..	..	..
Shallots	F	F	F	F	..	..	..	..	..
Spinach	F	F	F	F	..	..	..	..	..
Squash and zucchinis	100	40	100	40	..	..	..	..	..
Tomatoes	30	12	30	12	..	..	..	..	..
Watermelon	.	.	.	.	..	..	..	..	..
Greenhouse vegetables									
Tomatoes	..	..	..	..	..	..	..	..	..
					'000 dozens				
Cucumbers ⁴	..	..	..	..	..	..	..	..	..

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

**Table 4-4
 Estimate of vegetable area in Canada, by province, 2009 — New Brunswick**

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
New Brunswick									
Asparagus	20	8	10	4	..	..	..	..	..
Beans	185	75	185	75	..	..	..	..	..
Beets	30	12	30	12	..	..	..	..	..
Broccoli	65	26	65	26	..	..	..	..	..
Brussels sprouts	0	0	0	0	..	..	..	..	..
Cabbage ¹	95	38	95	38	..	..	..	..	..
Carrots ²	115	47	115	47	..	..	..	..	..
Cauliflower	20	8	20	8	..	..	..	..	..
Celery	0	0	0	0	..	..	..	..	..
Corn	380	154	380	154	..	..	..	..	..
Cucumbers	45	18	45	18	..	..	..	..	..
Garlic	.	.	.	.	..	..	..	..	..
Leeks	0	0	0	0	..	..	..	..	..
Lettuce ³	x	x	x	x	..	..	..	..	..
Dry onions	10	4	10	4	..	..	..	..	..
Other melons	.	.	.	.	..	..	..	..	..
Parsley	.	.	.	.	..	..	..	..	..
Parsnips	0	0	0	0	..	..	..	..	..
Peas	40	16	40	16	..	..	..	..	..
Peppers	5	2	5	2	..	..	..	..	..
Pumpkins	135	55	135	55	..	..	..	..	..
Radishes	0	0	0	0	..	..	..	..	..
Rhubarb	.	.	.	.	..	..	..	..	..
Rutabagas and turnips	65	26	50	20	..	..	..	..	..
Shallots	5	2	5	2	..	..	..	..	..
Spinach	5	2	5	2	..	..	..	..	..
Squash and zucchinis	160	65	160	65	..	..	..	..	..
Tomatoes	30	12	30	12	..	..	..	..	..
Watermelon	.	.	.	.	..	..	..	..	..
Greenhouse vegetables									
Tomatoes	..	..	..	..	..	..	..	..	..
						'000 dozens			
Cucumbers ⁴	..	..	..	..	..		..		..

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 4-5
Estimate of vegetable area in Canada, by province, 2009 — Quebec

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
Quebec									
Asparagus	835	338	750	304	..	..	..	..	..
Beans	10,000	4,047	9,340	3,780	..	..	..	..	..
Beets	1,355	548	1,355	548	..	..	..	..	..
Broccoli	4,570	1,849	4,570	1,849	..	..	..	..	..
Brussels sprouts	180	73	180	73	..	..	..	..	..
Cabbage ¹	4,310	1,744	4,295	1,738	..	..	..	..	..
Carrots ²	6,650	2,691	6,650	2,691	..	..	..	..	..
Cauliflower	2,045	828	2,045	828	..	..	..	..	..
Celery	1,040	421	1,040	421	..	..	..	..	..
Corn	20,500	8,296	20,500	8,296	..	..	..	..	..
Cucumbers	1,865	755	1,865	755	..	..	..	..	..
Garlic	F	F	F	F	..	..	..	..	..
Leeks	795	322	795	322	..	..	..	..	..
Lettuce ³	7,685	3,110	7,550	3,055	..	..	..	..	..
Dry onions	4,610	1,866	4,355	1,762	..	..	..	..	..
Other melons	F	F	F	F	..	..	..	..	..
Parsley	175	71	175	71	..	..	..	..	..
Parsnips	340	138	340	138	..	..	..	..	..
Peas	8,410	3,403	8,410	3,403	..	..	..	..	..
Peppers	1,300	526	1,255	508	..	..	..	..	..
Pumpkins	1,075	435	1,075	435	..	..	..	..	..
Radishes	1,405	569	1,405	569	..	..	..	..	..
Rhubarb	50	20	50	20	..	..	..	..	..
Rutabagas and turnips	1,055	427	1,055	427	..	..	..	..	..
Shallots	855	346	850	344	..	..	..	..	..
Spinach	1,020	413	1,020	413	..	..	..	..	..
Squash and zucchinis	1,515	613	1,515	613	..	..	..	..	..
Tomatoes	1,030	417	1,025	415	..	..	..	..	..
Watermelon	290	117	290	117	..	..	..	..	..
Greenhouse vegetables									
Tomatoes	..	..	..	..	..	..	..	..	..
					'000 dozens				
Cucumbers ⁴	..	..	..	..	..	..	..	..	..

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 4-6
Estimate of vegetable area in Canada, by province, 2009 — Ontario

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
Ontario									
Asparagus	3,100	1,255	2,890	1,170	..	..	..	..	..
Beans	7,900	3,197	7,900	3,197	..	..	..	..	..
Beets	950	384	950	384	..	..	..	..	..
Broccoli	3,600	1,457	3,450	1,396	..	..	..	..	..
Brussels sprouts	275 ^E	111	275 ^E	111	..	..	..	..	..
Cabbage ¹	4,120	1,667	4,120	1,667	..	..	..	..	..
Carrots ²	7,700	3,116	7,700	3,116	..	..	..	..	..
Cauliflower	1,400	567	1,400	567	..	..	..	..	..
Celery	510	206	510	206	..	..	..	..	..
Corn	24,730	10,008	24,730	10,008	..	..	..	..	..
Cucumbers	2,960	1,198	2,960	1,198	..	..	..	..	..
Garlic	400	162	380	154	..	..	..	..	..
Leeks	205	83	205	83	..	..	..	..	..
Lettuce ³	785	318	735	297	..	..	..	..	..
Dry onions	5,500	2,226	5,500	2,226	..	..	..	..	..
Other melons	590	239	590	239	..	..	..	..	..
Parsley	135	55	125	51	..	..	..	..	..
Parsnips	165	67	165	67	..	..	..	..	..
Peas	18,500	7,487	18,500	7,487	..	..	..	..	..
Peppers	2,870	1,161	2,870	1,161	..	..	..	..	..
Pumpkins	4,045	1,637	4,045	1,637	..	..	..	..	..
Radishes	830	336	670	271	..	..	..	..	..
Rhubarb	95	38	80	32	..	..	..	..	..
Rutabagas and turnips	1,675	678	1,675	678	..	..	..	..	..
Shallots	950	384	950	384	..	..	..	..	..
Spinach	860	348	860	348	..	..	..	..	..
Squash and zucchinis	2,500	1,012	2,500	1,012	..	..	..	..	..
Tomatoes	13,350	5,403	13,350	5,403	..	..	..	..	..
Watermelon	1,000	405	1,000	405	..	..	..	..	..
Greenhouse vegetables									
Tomatoes	..	..	..	..	..	..	..	..	..
					'000 dozens				
Cucumbers ⁴	..	..	..	..	..	..	..	..	..

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 4-7
Estimate of vegetable area in Canada, by province, 2009 — Manitoba

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
Manitoba									
Asparagus	150	61	120	49	..	..	..	..	..
Beans	110	45	110	45	..	..	..	..	..
Beets	x	x	x	x	..	..	..	..	..
Broccoli	x	x	x	x	..	..	..	..	..
Brussels sprouts	0	0	0	0	..	..	..	..	..
Cabbage ¹	440	178	440	178	..	..	..	..	..
Carrots ²	730	295	730	295	..	..	..	..	..
Cauliflower	455	184	455	184	..	..	..	..	..
Celery	x	x	x	x	..	..	..	..	..
Corn	700	283	675	273	..	..	..	..	..
Cucumbers	145	59	145	59	..	..	..	..	..
Garlic	.	.	.	.	..	..	..	..	..
Leeks	F	F	F	F	..	..	..	..	..
Lettuce ³	x	x	x	x	..	..	..	..	..
Dry onions	500	202	500	202	..	..	..	..	..
Other melons	.	.	.	.	..	..	..	..	..
Parsley	.	.	.	.	..	..	..	..	..
Parsnips	90	36	90	36	..	..	..	..	..
Peas	35	14	35	14	..	..	..	..	..
Peppers	F	F	F	F	..	..	..	..	..
Pumpkins	100	40	100	40	..	..	..	..	..
Radishes	x	x	x	x	..	..	..	..	..
Rhubarb	.	.	.	.	..	..	..	..	..
Rutabagas and turnips	x	x	x	x	..	..	..	..	..
Shallots	435	176	325	132	..	..	..	..	..
Spinach	F	F	F	F	..	..	..	..	..
Squash and zucchinis	85	34	85	34	..	..	..	..	..
Tomatoes	20 ^E	8	20 ^E	8	..	..	..	..	..
Watermelon	.	.	.	.	..	..	..	..	..
Greenhouse vegetables									
Tomatoes	..	..	..	..	..	..	..	..	..
						'000 dozens			
Cucumbers ⁴	..	..	..	..	..	..	..	..	..

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 4-8
Estimate of vegetable area in Canada, by province, 2009 — Saskatchewan

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
Saskatchewan									
Asparagus	10	4	10	4	..	..	..	..	..
Beans	15	6	15	6	..	..	..	..	..
Beets	10	4	10	4	..	..	..	..	..
Broccoli	5	2	5	2	..	..	..	..	..
Brussels sprouts	0	0	0	0	..	..	..	..	..
Cabbage ¹	90 ^E	36	90 ^E	36	..	..	..	..	..
Carrots ²	30	12	30	12	..	..	..	..	..
Cauliflower	5	2	5	2	..	..	..	..	..
Celery	0	0	0	0	..	..	..	..	..
Corn	70	28	70	28	..	..	..	..	..
Cucumbers	20	8	20	8	..	..	..	..	..
Garlic	.	.	.	.	..	..	..	..	..
Leeks	0	0	0	0	..	..	..	..	..
Lettuce ³	x	x	x	x	..	..	..	..	..
Dry onions	15	6	15	6	..	..	..	..	..
Other melons	.	.	.	.	..	..	..	..	..
Parsley	.	.	.	.	..	..	..	..	..
Parsnips	5	2	5	2	..	..	..	..	..
Peas	30	12	30	12	..	..	..	..	..
Peppers	5	2	5	2	..	..	..	..	..
Pumpkins	60 ^E	24	60 ^E	24	..	..	..	..	..
Radishes	5	2	5	2	..	..	..	..	..
Rhubarb	.	.	.	.	..	..	..	..	..
Rutabagas and turnips	0	0	0	0	..	..	..	..	..
Shallots	5	2	5	2	..	..	..	..	..
Spinach	5	2	5	2	..	..	..	..	..
Squash and zucchinis	15	6	15	6	..	..	..	..	..
Tomatoes	10	4	10	4	..	..	..	..	..
Watermelon	.	.	.	.	..	..	..	..	..
Greenhouse vegetables									
Tomatoes	..	..	..	..	..	..	..	..	..
						'000 dozens			
Cucumbers ⁴	..	..	..	..	..		..		..

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 4-9
Estimate of vegetable area in Canada, by province, 2009 — Alberta

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
Alberta									
Asparagus	40 ^E	16	15 ^E	6	..	..	..	..	..
Beans	225	91	225	91	..	..	..	..	..
Beets	x	x	x	x	..	..	..	..	..
Broccoli	30	12	30	12	..	..	..	..	..
Brussels sprouts	5 ^E	2	5 ^E	2	..	..	..	..	..
Cabbage ¹	410 ^E	166	410 ^E	166	..	..	..	..	..
Carrots ²	260	105	260	105	..	..	..	..	..
Cauliflower	110 ^E	45	110 ^E	45	..	..	..	..	..
Celery	x	x	x	x	..	..	..	..	..
Corn	4,470	1,809	4,470	1,809	..	..	..	..	..
Cucumbers	70	28	70	28	..	..	..	..	..
Garlic	.	.	.	.	..	..	..	..	..
Leeks	F	F	F	F	..	..	..	..	..
Lettuce ³	10	4	10	4	..	..	..	..	..
Dry onions	800 ^E	324	800	324	..	..	..	..	..
Other melons	.	.	.	.	..	..	..	..	..
Parsley	.	.	.	.	..	..	..	..	..
Parsnips	F	F	F	F	..	..	..	..	..
Peas	4,065	1,645	4,065	1,645	..	..	..	..	..
Peppers	0	0	0	0	..	..	..	..	..
Pumpkins	F	F	F	F	..	..	..	..	..
Radishes	x	x	x	x	..	..	..	..	..
Rhubarb	.	.	.	.	..	..	..	..	..
Rutabagas and turnips	x	x	x	x	..	..	..	..	..
Shallots	F	F	F	F	..	..	..	..	..
Spinach	5	2	5	2	..	..	..	..	..
Squash and zucchinis	135	55	135	55	..	..	..	..	..
Tomatoes	10	4	10	4	..	..	..	..	..
Watermelon	.	.	.	.	..	..	..	..	..
Greenhouse vegetables									
Tomatoes	..	..	..	..	..	..	..	..	..
						'000 dozens			
Cucumbers ⁴	..	..	..	..	..	..	..	..	..

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 4-10
Estimate of vegetable area in Canada, by province, 2009 — British Columbia

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
British Columbia									
Asparagus	190	77	185	75	..	..	..	..	..
Beans	2,170	878	2,170	878	..	..	..	..	..
Beets	190	77	190	77	..	..	..	..	..
Broccoli	x	x	x	x	..	..	..	..	..
Brussels sprouts	735	297	735	297	..	..	..	..	..
Cabbage ¹	655	265	655	265	..	..	..	..	..
Carrots ²	515	208	515	208	..	..	..	..	..
Cauliflower	145	59	145	59	..	..	..	..	..
Celery	10	4	10	4	..	..	..	..	..
Corn	1,990	805	1,990	805	..	..	..	..	..
Cucumbers	170	69	170	69	..	..	..	..	..
Garlic	75	30	75	30	..	..	..	..	..
Leeks	40	16	40	16	..	..	..	..	..
Lettuce ³	445	180	435	176	..	..	..	..	..
Dry onions	160	65	160	65	..	..	..	..	..
Other melons	50	20	50	20	..	..	..	..	..
Parsley	25	10	25	10	..	..	..	..	..
Parsnips	55	22	55	22	..	..	..	..	..
Peas	1,150	465	1,150	465	..	..	..	..	..
Peppers	290	117	290	117	..	..	..	..	..
Pumpkins	605	245	605	245	..	..	..	..	..
Radishes	75	30	75	30	..	..	..	..	..
Rhubarb	175	71	175	71	..	..	..	..	..
Rutabagas and turnips	220	89	195	79	..	..	..	..	..
Shallots	70	28	70	28	..	..	..	..	..
Spinach	90	36	90	36	..	..	..	..	..
Squash and zucchinis	585	237	585	237	..	..	..	..	..
Tomatoes	175	71	175	71	..	..	..	..	..
Watermelon	45	18	45	18	..	..	..	..	..
Greenhouse vegetables									
Tomatoes	..	..	..	..	..	..	..	..	..
					'000 dozens				
Cucumbers ⁴	..	..	..	..	..	..	..	..	..

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 4-11
Estimate of vegetable area in Canada, by province, 2009 — Canada

	Area planted		Area harvested		Production, total		Marketed production		Farm value
	acres	hectares ⁵	acres	hectares ⁵	tons	metric tonnes ⁶	tons	metric tonnes ⁶	thousands of dollars
Canada									
Asparagus	4,360	1,764	3,995	1,617	..	..	..	..	..
Beans	20,785	8,411	20,120	8,142	..	..	..	..	..
Beets	2,730	1,105	2,725	1,103	..	..	..	..	..
Broccoli	10,040	4,063	9,890	4,002	..	..	..	..	..
Brussels sprouts	1,360	550	1,360	550	..	..	..	..	..
Cabbage ¹	10,655	4,312	10,640	4,306	..	..	..	..	..
Carrots ²	19,540	7,908	19,520	7,899	..	..	..	..	..
Cauliflower	4,710	1,906	4,710	1,906	..	..	..	..	..
Celery	1,740	704	1,740	704	..	..	..	..	..
Corn	53,240	21,545	53,215	21,535	..	..	..	..	..
Cucumbers	5,345	2,163	5,345	2,163	..	..	..	..	..
Garlic	580	235	560	227	..	..	..	..	..
Leeks	1,065	431	1,065	431	..	..	..	..	..
Lettuce ³	9,385	3,798	9,190	3,719	..	..	..	..	..
Dry onions	12,165	4,923	11,910	4,820	..	..	..	..	..
Other melons	1,220	494	1,220	494	..	..	..	..	..
Parsley	365	148	355	144	..	..	..	..	..
Parsnips	725	293	720	291	..	..	..	..	..
Peas	32,285	13,065	32,285	13,065	..	..	..	..	..
Peppers	4,495	1,819	4,450	1,801	..	..	..	..	..
Pumpkins	6,530	2,643	6,505	2,632	..	..	..	..	..
Radishes	2,485	1,006	2,325	941	..	..	..	..	..
Rhubarb	440	178	425	172	..	..	..	..	..
Rutabagas and turnips	4,065	1,645	4,025	1,629	..	..	..	..	..
Shallots	2,415	977	2,300	931	..	..	..	..	..
Spinach	2,045	828	2,045	828	..	..	..	..	..
Squash and zucchinis	5,115	2,070	5,115	2,070	..	..	..	..	..
Tomatoes	14,665	5,935	14,660	5,933	..	..	..	..	..
Watermelon	1,360	550	1,355	548	..	..	..	..	..
Greenhouse vegetables									
Tomatoes	..	..	..	..	..	..	..	..	..
					'000 dozens				
Cucumbers ⁴	..	..	..	..	..	..	..	..	..

1. Includes Chinese cabbage and regular cabbage.

2. Includes baby carrots and regular carrots.

3. Includes leaf and head lettuce.

4. 1 metric tonne = 170 dozen greenhouse cucumbers and 1 imperial ton = 154 dozen cucumbers.

5. Values retain the same quality as the previous column (acres).

6. Values retain the same quality as the previous column (tons).

Table 5
Mushroom Grower's Survey for Canada and the provinces, 2007

2007	Canada	Maritime provinces and Quebec	Ontario	Prairie provinces	British Columbia ²
	'000 Sq ft				
Area					
Under Cultivation	7,137	420	3,454	316	2,947
Harvested	38,391	1,205	21,897	2,088	13,201
	'000 pounds				
Production					
Sold fresh	161,506	2,450	88,018	12,002	59,036
Sold to processors	18,414	0	14,444	0	3,972
Total Production	179,920	2,450	102,462	12,002	63,008
	'000 dollars				
Sales					
Fresh market sales	260,352	4,166	160,889	21,261	74,036
Sales to processors	14,137	0	10,166	0	3,971
Total Sales	274,489	4,166	171,055	21,261	78,007
	'000 dollars				
Investment					
Land	40,625	462	12,617	1,260	26,286
Buildings ¹	160,169	1,886	78,989	6,413	72,881
Processing, packing equipment and other machinery	99,075	1,442	67,772	3,904	25,957
Total Investment	299,869	3,790	159,378	11,577	125,124
	number				
Labour					
Full-time employees	3,931	65	2,198	243	1,425
Part-time employees	763	39	309	54	361
	'000 dollars				
Total labour cost	117,291	1,573	70,768	9,480	35,470

1. Including heating and cooling equipment.

2. British Columbia data for production and value are from administrative sources. Area under cultivation for British Columbia is an estimate.

Table 6
Mushroom Grower's Survey for Canada and the provinces, preliminary 2008

2008	Canada	Maritime provinces and Quebec	Ontario	Prairie provinces	British Columbia ²
	'000 Sq ft				
Area					
Under Cultivation	5,380	133	2,727	248	2,272
Harvested	39,468	759	23,668	1,712	13,329
	'000 pounds				
Production					
Sold fresh	173,522	3,450	95,532	8,952	65,588
Sold to processors	18,162	0	13,750	0	4,412
Total Production	191,684	3,450	109,282	8,952	70,000
	'000 dollars				
Sales					
Fresh market sales	277,272	4,733	173,431	16,856	82,253
Sales to processors	13,938	0	9,526	0	4,412
Total Sales	291,210	4,733	182,957	16,856	86,665
	'000 dollars				
Investment					
Land	48,954	440	11,605	3,300	33,609
Buildings ¹	188,173	2,714	81,169	5,853	98,437
Processing, packing equipment and other machinery	115,275	1,651	72,845	3,215	37,564
Total Investment	352,402	4,805	165,619	12,368	169,610
	number				
Labour					
Full-time employees	4,062	57	2,337	208	1,460
Part-time employees	943	44	294	52	553
	'000 dollars				
Total labour cost	130,521	1,853	75,437	9,049	44,182

1. Including heating and cooling equipment.

2. British Columbia data for production and value are from administrative sources. Area under cultivation for British Columbia is an estimate.

Methodology and data quality

Introduction

Throughout the publication, data in some instances have been updated based on more recent information from differing data sources. The contents of this publication represent the most recent information available at the time of printing on selected fruits and vegetables produced in Canada. All data are prepared in consultation with representatives of Federal and Provincial Departments of Agriculture and the Institut de la statistique du Québec. Current year data are preliminary and will be revised in subsequent publications and on CANSIM.

Current year area figures are preliminary while historical data are estimated based on more complete market information. Data are generally concerned with total production and take into account wastage. With the availability of market and wastage information the estimates more closely reflect commercial production.

Data shown in this publication are on a crop year basis. In the case of mushrooms and greenhouse tomatoes and cucumbers, however, the data are on a calendar year basis. All value data are those obtained at the "farm gate" and are concerned with returns to growers. Estimates are provided in both imperial and metric units.

Production and value data are provided for the thirteen most commercially significant fruits grown in Canada. The production figures for fruit crops refer to marketed production rather than harvested production. Only vegetable crops grown commercially are included: no data are available for fruits and vegetables grown for home consumption.

Spring Fruit and Vegetable survey

Survey methodology

A major source of information in this publication is the 2009 Spring Survey of Fruit and Vegetables conducted by Statistics Canada. This is a sample survey for which the data are collected by telephone. The survey estimates the intended area to be planted for the principal fruit and vegetable crops. For fruit, bearing area is estimated as a subset of the cultivated area and is a sum of the fresh market and processing areas.

The data collected from this survey is used to provide aggregate information of estimates of the area for the fresh and for the processing markets of fruit and vegetable crops in Canada. The results are publicly released and are used by producer associations and governments to assess the economic health of the industry.

Survey frame

The survey frame has been designed to include all operations growing fruit or vegetables based on the latest Census of Agriculture. Observations on the Spring 2009 survey frame have been extracted from two last Spring survey occasions and the 2006 Census of Agriculture, to which have been added some operations coming from external sources.

Institutional farms, farms on Indian reservations, Hutterite colonies as well as operations from Yukon, the North West Territories and Nunavut were excluded from the survey. Operations producing only mushrooms, potatoes or greenhouse vegetables were excluded as well because these operations are already covered by other surveys collecting the desired information. Also excluded were the small operations with less than 1 acre of fruit and 1 acre of vegetables. Ultimately, around 14,000 operations were on the Spring 2009 survey frame.

Sample selection

For each province, three strata were defined based on the type of operation i.e. fruit only operation, vegetable only operation or fruit and vegetable operation. In each stratum, a threshold based on the total fruit acreage and on the total vegetable acreage was defined. A random sample was selected among the operations below the threshold. A census of all operations above the threshold was taken as well. Thresholds went from 2 to 10 acres depending on the province. For each stratum, the minimum sample size was 10 and the maximum design weight was 2.

Overall, the sample size was determined in order to achieve a target CV of 0.01 (1%) for total fruit area and total vegetable area at the provincial level. The final sample size for this survey was 10,254 operations.

Data collection

The Spring Fruit and Vegetable survey collects information by telephone. The regional offices of Statistics Canada conducted the survey in April 2009 using computer-assisted telephone interviews (CATI).

Response rates

Information was received from 93.8% of the sample sent to collection. Non-responding units (i.e. no-contacts and refusals) are dealt with by adjusting the initial sample weights. The assumption that the non-responding units are randomly distributed among the sample is used to justify adjusting the initial sample weights.

Edit and imputation

It is possible to implement edit procedures at the time of the interview with the introduction of the CATI system. 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. For the 2009 Spring Survey of Fruit and Vegetables, imputation was used to adjust for incomplete survey responses to the question of fruit and vegetable area. The imputation used a trend analysis of the completed questionnaires to generate averages to be used to impute the missing values.

Sampling and non-sampling errors

The statistics from the 2009 Spring Survey of Fruit and Vegetables are based on a stratified random sample of agricultural operations and, as such, are subject to sampling and non-sampling errors.

Sampling errors arise when estimates are derived from sample data and not the entire population. These errors depend on factors such as sample size, sampling design and the method of estimation. An important feature of stratified random sampling is that sampling errors can be measured from the sample itself.

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. Population 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

Similar to the Fall Survey of Fruit and Vegetables, the spring survey data collected are weighted within each stratum in order to produce estimates representative of the population. Analyses of the top contributors and historical comparisons as well as consultations with the Provincial Departments of Agriculture are performed before a final estimate is published.

Data quality

The estimates from the 2009 Spring Fruit and Vegetable survey are based on a probability sample of farming operations. The potential error introduced by the reduction of sample size due to non-response 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. For the 2008 survey, CV's at the Canada level range from 1.1% to 24.9%. We obtained CV's around 10.2% at the province level. Less commonly reported variables are associated with higher, but still acceptable CV's, usually lower than 20%. Coefficient of variation values for the published data is available upon request and is not included in this publication due to space limitations.

Revision policy

Data for the previous year are presented as final while data for the current year are considered preliminary. Data are presented initially in the June issue of **Fruit and Vegetable Production** (Catalogue 22-003-X) and are revised further in the February issue of the publication.

Mushroom Growers' survey

Survey frame

The Annual Mushroom Growers' survey is a Census of all mushroom growers in Canada. The population of mushroom growers is derived from the 2006 Census of Agriculture and supplemented by administrative data from various sources, including mushroom co-operatives.

Concepts and definitions

The survey questionnaire asks growers to identify the species of mushroom grown, the type of operation and growing medium, growing area, production and value of sales, value of investment including land, buildings and equipment and number of employees and payroll. Data are collected for both common (*Agaricus*) and specialty mushrooms.

Data collection

A survey questionnaire is mailed out to each grower in Canada in February of each year and the responses are mailed back directly to Statistics Canada in Ottawa. Follow-up is done by telephone. Data are edited for accuracy and completeness on return. Data inconsistencies are verified by telephone.

Estimation

Tabular data are compiled only from those growers who respond. There is no weighting for non-response. Data are imputed only for those growers who do not respond and whose continuing existence can be verified. The data imputed are obtained from the previous year's questionnaire.

For the 2008 survey, the British Columbia Ministry of Agriculture and Lands provided production data for its clients who make up most of the growers in the province. These figures are compiled with data obtained from the questionnaires returned by independent producers to make up the provincial production figures. Value data was calculated using minimum price per pound also provided by the ministry. Investment and payroll data are obtained and compiled from the returned questionnaires.

Data confidentiality

Data confidentiality is ensured under the *Statistics Act*, which prohibits the divulging of individual or aggregated data where individuals or businesses might be identified.

Revision policy

Data for the previous years are presented as final while data for the current year are considered preliminary.

Data quality

In British Columbia, production and value data are obtained from the Ministry of Agriculture and Lands and other sources. The value of investment and labour figures are retained and compiled with that of the independent producers. The production and value data obtained from the survey represent 57.2% of the known growers in Canada.