

# Field Crop Reporting Series

Preliminary Estimates of Principal  
Field Crops Areas



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# Field Crop Reporting Series

## Preliminary Estimates of Principal Field Crops Areas

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## 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
- 0s 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

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## Preliminary estimates of principal field crops areas

- Prairie farmers planted or intended to plant record areas of canola and lentils during the 2010 planting season. In the East, Ontario and Quebec farmers seeded more soybeans than in 2009.

# Analysis

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## Preliminary estimates of principal field crops areas

Prairie farmers planted or intended to plant record areas of canola and lentils during the 2010 planting season. In the East, Ontario and Quebec farmers seeded more soybeans than in 2009.

The Prairie provinces experienced excessive amounts of precipitation this spring with cool conditions in many areas. Producers in the northeast and central regions of Saskatchewan reported that they were less than 60% seeded and that earlier seeded areas were under water. Many reported that it would be too late in the season to finish seeding by the time the fields dry out enough to get the seeding equipment back on the land.

## Canola seeded acreage a new record

Encouraged by expectations of more attractive prices for canola compared to other crops, Prairie farmers intended to increase their plantings of canola to a record area of 17.7 million acres, an increase of 10.3% or 1.7 million acres over 2009. This was the fourth annual increase in canola area in the Prairies, and exceeded the previous high of 16.1 million acres set in 2009.

Increases were reported in each Prairie province. Saskatchewan farmers led the way with an increase of 1.2 million acres (+15.7%) to 9.1 million acres. Manitoba farmers planted 3.4 million acres, an increase of 7.2%, and in Alberta 5.2 million acres were seeded, an increase of 4.0% over 2009.

## Area seeded to lentils increases again

Prairie farmers reported their intentions to seed 3.4 million acres of lentils, an increase of 40.0% from the 2.4 million acres seeded in 2009 and the fourth consecutive rise in intended acres. Both Alberta and Saskatchewan reported higher acreages. Profitable price expectations for lentils were supported by strong demand from export markets.

## More soybeans planted

Total soybean seeded area in Canada rose 8.0% from 2009 to 3.7 million acres.

In Quebec, the area seeded to soybeans increased to a new high of 659,800 acres, and in Ontario soybean acreage rose 1.7% to 2.4 million acres.

Soybean area in Manitoba rose 39.8% to a new high of 580,000 acres. Soybean area has increased each year since 2007 when the area planted was 230,000 acres.

## Related products

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### Selected publications from Statistics Canada

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21-206-X	Statistics on Income of Farm Operators
21-207-X	Statistics on Income of Farm Families
21-208-X	Statistics on Revenues and Expenses of Farms
22-003-X	Fruit and Vegetable Production
22-008-X	Canadian Potato Production
23-221-X	Production and Value of Honey and Maple Products
23-501-X	Livestock Feed Requirements Study
23-502-X	Alternative Livestock on Canadian Farms
96-325-X	Canadian Agriculture at a Glance
96-328-M	Canadian Agriculture at a Glance - Teacher's Kit

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### Selected CANSIM tables from Statistics Canada

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001-0004	Estimated summerfallow areas, annual
001-0010	Estimated areas, yield, production and average farm price of principal field crops, in metric units, annual
001-0014	Area, production and farm value of potatoes, annual
001-0017	Estimated areas, yield, production, average farm price and total farm value of principal field crops, in imperial units, annual
001-0018	Estimated areas, yield, production, average farm price and total farm value of selected principal field crops: sugar beets, tame hay and fodder corn, in imperial units, annual
001-0019	Estimated area, yield, production, average farm price and total farm value of selected major speciality field crops, in imperial units, annual
001-0020	Estimated area, yield, production, average farm price and total farm value of selected principal field crops: dry beans (white and coloured), in imperial units, annual
001-0040	Stocks of grain and oilseeds at March 31, July 31 and December 31, 3 times per year

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001-0041	Supply and disposition of grains in Canada as of March 31, July 31, August 31 (soybeans only) and December 31, 3 times per year
001-0042	Supply and disposition of corn in Canada and selected provinces as of March 31, August 31 and December 31, 3 times per year
001-0043	Farm supply and disposition of grains as of March 31, July 31, August 31 (soybeans only) and December 31, 3 times per year

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

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3401	Field Crop Reporting Series
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### **Selected summary tables from Statistics Canada**

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- *Field and specialty crops*

# Statistical tables

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**Table 1**  
**Preliminary estimates of principal field crop areas**

	Seeded area		Area as a percent of 2009	Seeded area	
	2009	2010		2009	2010
	thousands of hectares			thousands of acres	
Canada					
Winter wheat <sup>1</sup>	755.5	575.7	76.2	1,866.9	1,422.9
Spring wheat	6,851.1	7,206.0	105.2	16,930.0	17,806.7
Durum wheat	2,290.6	1,412.4	61.7	5,660.0	3,490.0
All wheat	9,897.2	9,194.1	92.9	24,456.9	22,719.6
Oats	1,510.1	1,512.7	100.2	3,731.5	3,737.8
Barley	3,505.9	3,258.3	92.9	8,663.3	8,051.7
Fall rye <sup>1</sup>	115.4	91.0	78.9	285.0	225.0
Flaxseed <sup>2</sup>	692.0	519.9	75.1	1,710.0	1,285.0
Canola	6,555.8	7,241.7	110.5	16,199.7	17,894.7
Corn for grain	1,203.5	1,206.3	100.2	2,973.9	2,980.6
Soybeans	1,395.3	1,506.9	108.0	3,448.0	3,723.8
Mixed grains	188.9	144.0	76.2	467.0	355.9
Dry peas	1,521.7	1,535.7	100.9	3,760.0	3,795.0
Lentils	971.3	1,359.9	140.0	2,400.0	3,360.0
Dry white beans	38.4	50.6	131.8	95.0	125.0
Dry coloured beans	80.7	81.2	100.6	199.9	201.1
Fodder corn	312.2	240.5	77.0	771.6	594.6
Summerfallow	2,520.0	2,476.0	98.2	6,230.0	6,120.0
Prince Edward Island					
Winter wheat <sup>1</sup>	2.0	1.6	80.0	5.0	4.0
Spring wheat	10.1	10.9	107.9	25.0	27.0
All wheat	12.1	12.5	103.3	30.0	31.0
Oats	4.9	4.7	95.9	12.0	11.5
Barley	20.2	20.2	100.0	50.0	50.0
Soybeans	14.2	17.8	125.4	35.0	44.0
Mixed grains	2.0	2.6	130.0	5.0	6.5
Fodder corn	2.8	3.2	114.3	7.0	8.0
Nova Scotia					
Winter wheat <sup>1</sup>	2.2	2.0	90.9	5.5	5.0
Spring wheat	0.4	0.4	100.0	1.0	1.0
All wheat	2.6	2.4	92.3	6.5	6.0
Oats	2.0	2.2	110.0	5.0	5.5
Barley	2.0	2.6	130.0	5.0	6.5
Corn for grain	3.2	5.3	165.6	8.0	13.0
Fodder Corn	4.5	4.2	93.3	11.0	10.5
New Brunswick					
Winter wheat <sup>1</sup>	0.4	0.2	50.0	1.0	0.5
Spring wheat	1.2	1.1	91.7	3.0	2.6
All wheat	1.6	1.3	81.3	4.0	3.1
Oats	8.1	9.7	119.8	20.0	24.0
Barley	10.5	11.3	107.6	26.0	28.0
Corn for grain	4.9	5.3	108.2	12.0	13.0
Fodder corn	3.2	3.0	93.8	8.0	7.5
Quebec					
Winter wheat <sup>1</sup>	4.2	3.4	81.0	10.4	8.4
Spring wheat	51.0	47.0	92.2	126.0	116.1
All wheat	55.2	50.4	91.3	136.4	124.5
Oats	105.0	110.0	104.8	259.5	271.8
Barley	92.0	96.0	104.3	227.3	237.2
Canola	12.0	10.0	83.3	29.7	24.7
Corn for grain	382.0	360.0	94.2	943.9	889.6
Corn for grain GM <sup>4</sup>	267.5	262.0	97.9	661.0	647.4
Soybeans	242.0	267.0	110.3	598.0	659.8
Soybeans GM <sup>4</sup>	119.0	130.0	109.2	294.1	321.2
Mixed grains	19.0	22.0	115.8	47.0	54.4
Total dry beans	4.0	4.5	112.5	9.9	11.1
Fodder corn	65.0	50.0	76.9	160.6	123.6

See notes at the end of the table.

Table 1 – continued

## Preliminary estimates of principal field crop areas

	Seeded area		Area as a percent of 2009	Seeded area	
	2009	2010		2009	2010
	thousands of hectares			thousands of acres	
Ontario					
Winter wheat <sup>1</sup>	376.4	323.7	86.0	930.0	800.0
Spring wheat	46.5	48.6	104.5	115.0	120.0
All wheat	422.9	372.3	88.0	1,045.0	920.0
Oats	34.4	34.4	100.0	85.0	85.0
Barley	72.8	76.9	105.6	180.0	190.0
Fall rye <sup>1</sup>	14.2	12.1	85.2	35.0	30.0
Canola	18.2	28.3	155.5	45.0	70.0
Corn for grain	722.4	758.8	105.0	1,785.0	1,875.0
Corn for grain GM <sup>4</sup>	475.5	526.1	110.6	1,175.0	1,300.0
Soybeans	971.2	987.4	101.7	2,400.0	2,440.0
Soybeans GM <sup>4</sup>	485.6	530.1	109.2	1,200.0	1,310.0
Mixed grains	46.5	48.6	104.5	115.0	120.0
Dry white beans	20.2	34.4	170.3	50.0	85.0
Dry coloured beans	18.2	22.3	122.5	45.0	55.0
Fodder corn	137.6	109.3	79.4	340.0	270.0
Manitoba					
Winter wheat <sup>1</sup>	103.2	97.1	94.1	255.0	240.0
Spring wheat	1,124.9	1,173.6	104.3	2,780.0	2,900.0
All wheat	1,228.1	1,270.7	103.5	3,035.0	3,140.0
Oats	242.8	275.2	113.3	600.0	680.0
Barley	283.3	208.4	73.6	700.0	515.0
Fall rye <sup>1</sup>	32.4	18.2	56.2	80.0	45.0
Flaxseed <sup>2</sup>	121.4	99.1	81.6	300.0	245.0
Canola	1,295.0	1,388.1	107.2	3,200.0	3,430.0
Corn for grain	78.9	76.9	97.5	195.0	190.0
Soybeans	167.9	234.7	139.8	415.0	580.0
Mixed grains	6.1	4.0	65.6	15.0	10.0
Dry peas	34.4	46.5	135.2	85.0	115.0
Dry white beans	18.2	16.2	89.0	45.0	40.0
Dry coloured beans	36.3	34.3	94.5	90.0	85.0
Sunflower seed	64.7	60.7	93.8	160.0	150.0
Canary seed	6.1	10.1	165.6	15.0	25.0
Fodder corn	36.4	22.3	61.3	90.0	55.0
Summerfallow	192.0	77.0	40.1	475.0	190.0
Saskatchewan					
Winter wheat <sup>1</sup>	161.9	76.9	47.5	400.0	190.0
Spring wheat	3,209.2	3,490.4	108.8	7,930.0	8,625.0
Durum wheat	1,914.2	1,242.4	64.9	4,730.0	3,070.0
All wheat	5,285.3	4,809.7	91.0	13,060.0	11,885.0
Oats	748.7	647.5	86.5	1,850.0	1,600.0
Barley	1,396.2	1,201.9	86.1	3,450.0	2,970.0
Fall rye <sup>1</sup>	52.6	42.5	80.8	130.0	105.0
Flaxseed <sup>2</sup>	550.4	400.6	72.8	1,360.0	990.0
Canola	3,176.8	3,674.5	115.7	7,850.0	9,080.0
Mixed grains	36.4	14.2	39.0	90.0	35.0
Dry peas	1,163.6	1,100.7	94.6	2,875.0	2,720.0
Lentils	953.1	1,295.1	135.9	2,355.0	3,200.0
Mustard seed	163.9	153.8	93.8	405.0	380.0
Canary seed	121.4	165.9	136.7	300.0	410.0
Chick peas	32.4	80.8	249.4	80.0	200.0
Fodder corn	12.1	10.1	83.5	30.0	25.0
Triticale	32.4	20.2	62.3	80.0	50.0
Summerfallow	1,659.0	1,732.0	104.4	4,100.0	4,280.0

See notes at the end of the table.

Table 1 – continued

## Preliminary estimates of principal field crop areas

	Seeded area		Area as a percent of 2009	Seeded area	
	2009	2010		2009	2010
	thousands of hectares			thousands of acres	
<b>Alberta</b>					
Winter wheat <sup>1</sup>	105.2	70.8	67.3	260.0	175.0
Spring wheat	2,377.5	2,409.8	101.4	5,875.0	5,955.0
Durum wheat	376.4	170.0	45.2	930.0	420.0
<b>All wheat</b>	<b>2,859.1</b>	<b>2,650.6</b>	<b>92.7</b>	<b>7,065.0</b>	<b>6,550.0</b>
Oats	337.9	398.6	118.0	835.0	985.0
Barley	1,602.6	1,618.7	101.0	3,960.0	4,000.0
Fall rye <sup>1</sup>	16.2	18.2	112.3	40.0	45.0
Flaxseed <sup>2</sup>	20.2	20.2	100.0	50.0	50.0
Canola	2,023.4	2,104.4	104.0	5,000.0	5,200.0
Mixed grains	74.9	48.6	64.9	185.0	120.0
Dry peas	323.7	388.5	120.0	800.0	960.0
Lentils	18.2	64.8	356.0	45.0	160.0
Dry coloured beans	22.2	20.1	90.5	55.0	50.0
Mustard seed	48.5	52.6	108.5	120.0	130.0
Fodder corn	36.4	28.3	77.7	90.0	70.0
Triticale	16.2	14.2	87.7	40.0	35.0
Summerfallow	647.0	647.0	100.0	1,600.0	1,600.0
<b>British Columbia</b>					
Spring wheat	30.3	24.2	79.9	75.0	60.0
Oats	26.3	30.4	115.6	65.0	75.0
Barley	26.3	22.3	84.8	65.0	55.0
Canola	30.4	36.4	119.7	75.0	90.0
Mixed grains	4.0	4.0	100.0	10.0	10.0
Fodder corn	14.2	10.1	71.1	35.0	25.0
Summerfallow	22.0	20.0	90.9	55.0	50.0
<b>Western Canada <sup>3</sup></b>					
Winter wheat <sup>1</sup>	370.3	244.8	66.1	915.0	605.0
Spring wheat	6,741.9	7,098.0	105.3	16,660.0	17,540.0
Durum wheat	2,290.6	1,412.4	61.7	5,660.0	3,490.0
<b>All wheat</b>	<b>9,402.8</b>	<b>8,755.2</b>	<b>93.1</b>	<b>23,235.0</b>	<b>21,635.0</b>
Oats	1,355.7	1,351.7	99.7	3,350.0	3,340.0
Barley	3,308.4	3,051.3	92.2	8,175.0	7,540.0
Fall rye <sup>1</sup>	101.2	78.9	78.0	250.0	195.0
Flaxseed <sup>2</sup>	692.0	519.9	75.1	1,710.0	1,285.0
Canola	6,525.6	7,203.4	110.4	16,125.0	17,800.0
Dry peas	1,521.7	1,535.7	100.9	3,760.0	3,795.0
Summerfallow	2,520.0	2,476.0	98.3	6,230.0	6,120.0

1. The area remaining in June after winterkill.

2. Excludes solin.

3. Western Canada includes Manitoba, Saskatchewan, Alberta and British Columbia.

4. Genetically modified.

**Table 2**  
**Preliminary estimates of spring wheat areas by type in Western Canada**

	Seeded area		Area as a percent of 2009	Seeded area	
	2009	2010		2009	2010
	thousands of hectares			thousands of acres	
Manitoba					
Hard red spring wheat	1,082.5	1,145.3	105.8	2,675.0	2,830.0
Prairie spring wheat	18.2	8.1	44.5	45.0	20.0
Soft white spring wheat	10.1	10.1	100.0	25.0	25.0
Canadian western extra-strong	4.0	4.0	100.0	10.0	10.0
Other spring wheat	10.1	6.1	60.4	25.0	15.0
Spring wheat - Total	1,124.9	1,173.6	104.3	2,780.0	2,900.0
Saskatchewan					
Hard red spring wheat	2,934.0	3,193.0	108.8	7,250.0	7,890.0
Prairie spring wheat	89.0	64.7	72.7	220.0	160.0
Soft white spring wheat	101.2	174.0	171.9	250.0	430.0
Canadian western extra-strong	24.3	18.2	74.9	60.0	45.0
Other spring wheat	60.7	40.5	66.7	150.0	100.0
Spring wheat - Total	3,209.2	3,490.4	108.8	7,930.0	8,625.0
Alberta					
Hard red spring wheat	2,067.9	2,144.8	103.7	5,110.0	5,300.0
Prairie spring wheat	230.7	202.3	87.7	570.0	500.0
Soft white spring wheat	8.1	20.2	249.4	20.0	50.0
Canadian western extra-strong	42.5	16.2	38.1	105.0	40.0
Other spring wheat	28.3	26.3	92.9	70.0	65.0
Spring wheat - Total	2,377.5	2,409.8	101.4	5,875.0	5,955.0
British Columbia					
Hard red spring wheat	26.3	18.2	69.2	65.0	45.0
Prairie spring wheat	2.0	4.0	200.0	5.0	10.0
Soft white spring wheat	0.0	0.8	0.0	0.0	2.0
Canadian western extra-strong	0.0	1.2	0.0	0.0	3.0
Other spring wheat	2.0	0.0	0.0	5.0	0.0
Spring wheat - Total	30.3	24.2	79.9	75.0	60.0
Western Canada					
Hard red spring wheat	6,110.7	6,501.3	106.4	15,100.0	16,065.0
Prairie spring wheat	339.9	279.1	82.1	840.0	690.0
Soft white spring wheat	119.4	205.1	171.8	295.0	507.0
Canadian western extra-strong	70.8	39.6	55.9	175.0	98.0
Other spring wheat	101.1	72.9	72.1	250.0	180.0
Spring wheat - Total	6,741.9	7,098.0	105.3	16,660.0	17,540.0

**Table 3**  
**Preliminary estimates of special crop areas by type**

	Seeded area <sup>1</sup>		Area as a percent of 2009	Seeded area <sup>1</sup>	
	2009	2010		2009	2010
	thousands of hectares			thousands of acres	
Quebec					
Dry white beans	0 <sup>s</sup>	0 <sup>s</sup>	...	0 <sup>s</sup>	0 <sup>s</sup>
Dry coloured beans	4.0 <sup>D</sup>	4.5 <sup>D</sup>	112.1	9.9 <sup>D</sup>	11.1 <sup>D</sup>
Black beans	0	F	...	0	F
Cranberry beans	F	F	...	F	F
Dark red kidney beans	F	F	...	F	F
Great Northern beans	0	0	...	0	0
Light red kidney beans	0	0	...	0	0
Pinto beans	0	0	...	0	0
Small red beans	0	0	...	0	0
Other dry beans	F	F	...	F	F
All dry beans	4.0 <sup>D</sup>	4.5 <sup>D</sup>	112.1	9.9 <sup>D</sup>	11.1 <sup>D</sup>
Ontario					
Dry white beans	20.2 <sup>C</sup>	34.4 <sup>C</sup>	170.0	50.0 <sup>C</sup>	85.0 <sup>C</sup>
Dry coloured beans	18.2 <sup>D</sup>	22.3 <sup>C</sup>	122.2	45.0 <sup>D</sup>	55.0 <sup>C</sup>
Black beans	3.6 <sup>D</sup>	3.6 <sup>D</sup>	100.0	9.0 <sup>D</sup>	9.0 <sup>D</sup>
Cranberry beans	3.2 <sup>D</sup>	4.5 <sup>D</sup>	137.5	8.0 <sup>D</sup>	11.0 <sup>D</sup>
Dark red kidney beans	4.5 <sup>D</sup>	6.9 <sup>D</sup>	154.5	11.0 <sup>D</sup>	17.0 <sup>D</sup>
Great Northern beans	0	0	...	0	0
Light red kidney beans	F	F	...	F	F
Pinto beans	F	F	...	F	F
Small red beans	F	F	...	F	F
Other dry beans	4.5 <sup>D</sup>	6.1 <sup>D</sup>	136.4	11.0 <sup>D</sup>	15.0 <sup>D</sup>
All dry beans	38.4 <sup>C</sup>	56.7 <sup>B</sup>	147.4	95.0 <sup>C</sup>	140.0 <sup>B</sup>
Manitoba					
Dry white beans	18.2 <sup>D</sup>	16.2 <sup>D</sup>	88.9	45.0 <sup>D</sup>	40.0 <sup>D</sup>
Dry coloured beans	36.4 <sup>D</sup>	34.4 <sup>D</sup>	94.4	90.0 <sup>D</sup>	85.0 <sup>D</sup>
Black beans	F	6.1 <sup>D</sup>	...	F	15.0 <sup>D</sup>
Cranberry beans	F	F	...	F	F
Dark red kidney beans	F	F	...	F	F
Great Northern beans	F	0 <sup>s</sup>	...	F	0 <sup>s</sup>
Light red kidney beans	F	F	...	F	F
Pinto beans	24.3 <sup>D</sup>	20.2 <sup>D</sup>	83.3	60.0 <sup>D</sup>	50.0 <sup>D</sup>
Small red beans	F	0	...	F	0
Other dry beans	F	F	...	F	F
All dry beans	54.6 <sup>C</sup>	50.6 <sup>C</sup>	92.6	135.0 <sup>C</sup>	125.0 <sup>C</sup>
Green dry peas	x <sup>D</sup>	x <sup>D</sup>	...	x <sup>D</sup>	x <sup>D</sup>
Yellow dry peas	24.3 <sup>C</sup>	34.4 <sup>C</sup>	141.7	60.0 <sup>C</sup>	85.0 <sup>C</sup>
Other dry peas	F	F	...	F	F
All dry peas	34.4 <sup>B</sup>	46.5 <sup>C</sup>	135.3	85.0 <sup>B</sup>	115.0 <sup>C</sup>
Large green lentils	F	F	...	F	F
Red lentils	F	F	...	F	F
Small green lentils	F	F	...	F	F
Other lentils	0	0	...	0	0
All lentils	F	F	...	F	F
Brown mustard seed	F	0	...	F	0
Oriental mustard seed	0	0	...	0	0
Yellow mustard seed	F	F	...	F	F
Other mustard seed	0	0	...	0	0
All mustard seed	F	F	...	F	F
Hairless Canary seed	F	F	...	F	F
Regular Canary seed	F	x <sup>D</sup>	...	F	x <sup>D</sup>
All Canary seed	6.1 <sup>D</sup>	10.1 <sup>D</sup>	166.7	15.0 <sup>D</sup>	25.0 <sup>D</sup>
Desi chick peas	0	0	...	0	0
Kabuli chick peas	F	F	...	F	F
Other chick peas	0	0	...	0	0
All chick peas	F	F	...	F	F

See notes at the end of the table.

Table 3 – continued

## Preliminary estimates of special crop areas by type

	Seeded area <sup>1</sup>		Area as a percent of 2009	Seeded area <sup>1</sup>	
	2009	2010		2009	2010
	thousands of hectares			thousands of acres	
Saskatchewan					
Dry white beans	F	F	...	F	F
Dry coloured beans	F	F	...	F	F
Black beans	0	0	...	0	0
Cranberry beans	0	0	...	0	0
Dark red kidney beans	0	0	...	0	0
Great Northern beans	F	0	...	F	0
Light red kidney beans	0	0	...	0	0
Pinto beans	F	F	...	F	F
Small red beans	F	0	...	F	0
Other dry beans	F	F	...	F	F
All dry beans	F	F	...	F	F
Green dry peas	186.2 <sup>B</sup>	210.4 <sup>B</sup>	113.0	460.0 <sup>B</sup>	520.0 <sup>B</sup>
Yellow dry peas	963.2 <sup>A</sup>	874.1 <sup>A</sup>	90.8	2,380.0 <sup>A</sup>	2,160.0 <sup>A</sup>
Other dry peas	14.2 <sup>D</sup>	16.2 <sup>D</sup>	114.3	35.0 <sup>D</sup>	40.0 <sup>D</sup>
All dry peas	1,163.5 <sup>A</sup>	1,100.7 <sup>A</sup>	94.6	2,875.0 <sup>A</sup>	2,720.0 <sup>A</sup>
Large green lentils	329.8 <sup>B</sup>	465.4 <sup>A</sup>	141.1	815.0 <sup>B</sup>	1,150.0 <sup>A</sup>
Red lentils	497.8 <sup>A</sup>	688.0 <sup>A</sup>	138.2	1,230.0 <sup>A</sup>	1,700.0 <sup>A</sup>
Small green lentils	101.2 <sup>C</sup>	117.4 <sup>C</sup>	116.0	250.0 <sup>C</sup>	290.0 <sup>C</sup>
Other lentils	24.3 <sup>D</sup>	24.3 <sup>D</sup>	100.0	60.0 <sup>D</sup>	60.0 <sup>D</sup>
All lentils	2,355.0 <sup>A</sup>	3,200.0 <sup>A</sup>	135.9	2,355.0 <sup>A</sup>	3,200.0 <sup>A</sup>
Brown mustard seed	36.4 <sup>C</sup>	30.4 <sup>D</sup>	83.3	90.0 <sup>C</sup>	75.0 <sup>D</sup>
Oriental mustard seed	x <sup>C</sup>	46.5 <sup>C</sup>	...	x <sup>C</sup>	115.0 <sup>C</sup>
Yellow mustard seed	93.1 <sup>B</sup>	76.9 <sup>C</sup>	82.6	230.0 <sup>B</sup>	190.0 <sup>C</sup>
Other mustard seed	F	0	...	F	0
All mustard seed	163.9 <sup>B</sup>	153.8 <sup>B</sup>	93.8	405.0 <sup>B</sup>	380.0 <sup>B</sup>
Hairless Canary seed	40.5 <sup>C</sup>	64.7 <sup>C</sup>	160.0	100.0 <sup>C</sup>	160.0 <sup>C</sup>
Regular Canary seed	80.9 <sup>B</sup>	101.2 <sup>B</sup>	125.0	200.0 <sup>B</sup>	250.0 <sup>B</sup>
All Canary seed	121.4 <sup>A</sup>	165.9 <sup>B</sup>	136.7	300.0 <sup>A</sup>	410.0 <sup>B</sup>
Desi chick peas	F	F	...	F	F
Kabuli chick peas	22.3 <sup>D</sup>	64.7 <sup>C</sup>	290.9	55.0 <sup>D</sup>	160.0 <sup>C</sup>
Other chick peas	F	F	...	F	F
All chick peas	32.4 <sup>C</sup>	80.9 <sup>C</sup>	250.0	80.0 <sup>C</sup>	200.0 <sup>C</sup>

See notes at the end of the table.



Table 3 – continued

## Preliminary estimates of special crop areas by type

	Seeded area <sup>1</sup>		Area as a percent of 2009	Seeded area <sup>1</sup>	
	2009	2010		2009	2010
	thousands of hectares			thousands of acres	
<b>Alberta</b>					
Dry white beans	0 <sup>s</sup>	0 <sup>s</sup>	...	0 <sup>s</sup>	0 <sup>s</sup>
Dry coloured beans	22.3 <sup>C</sup>	20.2 <sup>D</sup>	90.9	55.0 <sup>C</sup>	50.0 <sup>D</sup>
Black beans	F	F	...	F	F
Cranberry beans	0	0	...	0	0
Dark red kidney beans	F	0 <sup>s</sup>	...	F	0 <sup>s</sup>
Great Northern beans	6.5 <sup>D</sup>	F	...	16.0 <sup>D</sup>	F
Light red kidney beans	F	0	...	F	0
Pinto beans	8.1 <sup>D</sup>	10.1 <sup>D</sup>	125.0	20.0 <sup>D</sup>	25.0 <sup>D</sup>
Small red beans	F	F	...	F	F
Other dry beans	F	F	...	F	F
<b>All dry beans</b>	<b>22.3 <sup>C</sup></b>	<b>20.2 <sup>D</sup></b>	<b>90.9</b>	<b>55.0 <sup>C</sup></b>	<b>50.0 <sup>D</sup></b>
Green dry peas	x <sup>C</sup>	x <sup>B</sup>	...	x <sup>C</sup>	x <sup>B</sup>
Yellow dry peas	279.2 <sup>A</sup>	323.7 <sup>B</sup>	115.9	690.0 <sup>A</sup>	800.0 <sup>B</sup>
Other dry peas	F	F	...	F	F
<b>All dry peas</b>	<b>323.78 <sup>A</sup></b>	<b>388.5 <sup>B</sup></b>	<b>120.0</b>	<b>800.0 <sup>A</sup></b>	<b>960.0 <sup>B</sup></b>
Large green lentils	F	F	...	F	F
Red lentils	F	F	...	F	F
Small green lentils	F	F	...	F	F
Other lentils	F	F	...	F	F
<b>All lentils</b>	<b>18.2 <sup>D</sup></b>	<b>64.7 <sup>D</sup></b>	<b>355.6</b>	<b>45.0 <sup>D</sup></b>	<b>160.0 <sup>D</sup></b>
Brown mustard seed	F	F	...	F	F
Oriental mustard seed	F	F	...	F	F
Yellow mustard seed	38.4 <sup>C</sup>	40.5 <sup>C</sup>	105.3	95.0 <sup>C</sup>	100.0 <sup>C</sup>
Other mustard seed	0	0	...	0	0
<b>All mustard seed</b>	<b>48.6 <sup>C</sup></b>	<b>52.6 <sup>C</sup></b>	<b>108.3</b>	<b>120.0 <sup>C</sup></b>	<b>130.0 <sup>C</sup></b>
Hairless Canary seed	F	0	...	F	0
Regular Canary seed	F	F	...	F	F
<b>All Canary seed</b>	<b>F</b>	<b>F</b>	<b>...</b>	<b>F</b>	<b>F</b>
Desi chick peas	F	0 <sup>s</sup>	...	F	0 <sup>s</sup>
Kabuli chick peas	F	F	...	F	F
Other chick peas	F	F	...	F	F
<b>All chick peas</b>	<b>10.1 <sup>D</sup></b>	<b>F</b>	<b>...</b>	<b>25.0 <sup>D</sup></b>	<b>F</b>

1. For the meaning of alphabetic symbols, refer to text table 2 on page 19.

## Crop categories

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Definitions of the crop categories referenced in Report No. 4, Field Crop Reporting Series are listed below.

**Major grains:** wheat, oats, barley, flaxseed, canola, corn for grain and soybeans.

**Oilseeds:** canola, flaxseed, soybeans and sunflower seed.

**Major special crops:** dry peas, dry white beans, dry coloured beans, lentils, mustard seed, sunflower seed, canary seed and chick peas.

# Methodology and data quality

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## Survey frame and sample selection

The target population for the June Farm Survey includes all farms in Canada enumerated in the Census of Agriculture except those on Indian reserves and farms from the Northwest Territories, Yukon, Nunavut and Newfoundland and Labrador. Institutional farms are also excluded from the target population.

Every five years, the Census of Agriculture collects information on agricultural operations across Canada, including institutional farms, community pastures, Indian reserves, etc. The Census of Agriculture provides a list of farms and their crop areas from which a probability sample for the June Farm Survey is selected.

Probability surveys can use two types of sampling frames: list and area. In the June Farm Survey, only the list frame is used in sample selection. This list frame is stratified into homogenous groups on the basis of Census characteristics (such as farm size and crop area) and sub-provincial geographic boundaries. A sample of approximately 25,200 farms has been drawn from the list frame for the June 2010 Farm Survey.

## Data collection

Data collection for June 2010 Farm Survey was carried out from May 25 to June 3.

Data collection for Farm Surveys is undertaken using “Computer assisted telephone interview” (CATI).

## Edit and imputation

With the introduction of the CATI system, 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. CATI significantly reduces the need for subsequent telephone follow-up, thereby reducing respondent burden and survey processing time.

## Response rate

Usually, by the end of the collection period, 80% of the questionnaires have been fully completed. The refusal rate of the survey is approximately 6 to 9%. The remainder of the sample unaccounted for can be explained by non-contact. Initial sample weights are adjusted (a process called “raising factor adjustment”) in cases of total and partial non-response. No imputation is performed for missing values.

## 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. These errors depend on factors such as sample size, sampling design and the method of estimation. An important feature of probability 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. 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

The survey data collected are weighted in order to produce unbiased level indicators which are representative of the population. These level indicators then undergo a validation process, based on subject matter analysis and consultation with provincial statisticians, before final estimates are published.

## Revisions

The June seeded area estimates contained in this publication are preliminary estimates and consequently are subject to revision. Seeded areas will be finalized for the crop year in the November Farm Survey report.

The following table contains some statistics which indicate the magnitude and direction of past revisions to the June seeded area estimates. The magnitude is measured by the average percent change between the preliminary and final estimates. The direction of revisions is indicated by counting the number of years that the preliminary estimate is above or below the final revised estimate.

The data indicate, for example, that the preliminary estimates of June seeded area for barley are revised by a magnitude of, on average, 3.8% and usually in a downwards direction.

**Text table 1**

### **Magnitude and direction of past revisions to June seeded area estimates, 1999 to 2009**

Crop	Number of years June seeded areas are revised:		
	Average percent change	Upwards	Downwards
Wheat	2.6	3	8
Barley	3.8	4	7
Flaxseed	12.7	3	6
Canola	2.7	6	5
Corn for grain	1.4	4	5
Soybeans	1.3	5	5
Summerfallow	11.0	6	4

## Data quality

The June seeded area estimates are based on level indicators obtained from a probability survey 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” (c.v.). 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 would be less than twice the coefficient of variation. This range of values is referred to as the “confidence interval”. While published estimates may not exactly equal the level indicators (due to the validation and consultation process), these estimates usually remain within the confidence interval of the survey level indicators.

For the June Farm Survey, coefficients of variation range from 1% to 5% for the major crops. Coefficients of variation for specialty crops and small areas of major crops are usually within 5% to 15%.

For the different types of special crops, the estimates contained in this publication have been assigned a letter to indicate their c.v. (expressed as a percentage). The letter symbols represent the following c.v. ranges:

**Text table 2**

**C.V. rating system for special crops**

C.V. range	Symbol	Meaning
0.00% to 4.99%	A	excellent
5.00% to 9.99%	B	very good
10.00% to 14.99%	C	good
15.00% to 24.99%	D	use with caution
25.00% and more	F	too unreliable to be published

## 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.