

Field Crop Reporting Series

Preliminary Estimates of Principal
Field Crops Areas, Canada



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Field Crop Reporting Series

Preliminary Estimates of Principal Field Crops Areas, Canada

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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

Principal field crops

- Prairie farmers have planted a record area of canola, as well as higher acreages of spring and durum wheat, in response to robust prices. In the East, Quebec farmers have seeded a record area for soybeans, and those in Ontario a record for winter wheat.

Analysis

Preliminary estimates of principal field crop areas, Canada, 2008

Prairie farmers have planted a record area of canola, as well as higher acreages of spring and durum wheat, in response to robust prices, according to a survey of 26,100 growers. In the East, Quebec farmers have seeded a record area for soybeans and those in Ontario a record for winter wheat.

The June farm survey, Statistics Canada's largest area survey, was conducted between May 23 and June 3. As of June 3, Prairie farmers reported that planting was almost complete, with unseeded pockets remaining in mainly northern areas.

Planting conditions were variable, with dry areas and some frost damage reported in Saskatchewan, possibly requiring some reseeding. Cool weather requiring some replanting may also be required in parts of Manitoba. Wet weather contributed to some minor delays in Alberta.

Prairie farmers eclipsed the record for canola set just last year by slightly over a million acres. Records were set in all three Prairie provinces. At the same time, the area planted to feed grains fell while spring and durum acreage wheat increased.

In response to robust crop prices, traditional areas dedicated to summerfallow in the Prairie provinces have declined to record low levels in recent history.

In Ontario and Quebec, planting was mostly complete, although cool, damp conditions slowed progress. The area seeded to corn for grain declined in both provinces, while the area seeded to soybeans in Quebec hit record territory.

In Ontario, the area of winter wheat remaining for harvest jumped to a record 1.2 million acres, breaking the previous record of 1.0 million acres in 2006.

Canola area easily a record as prices improve

Improved prices appear to be the catalyst for the continued rise in areas planted to canola, in spite of comparatively high input costs for this crop.

Prairie farmers estimated they have planted 15.6 million acres in canola, just over one million acres, or 7.1%, above the previous record set in 2007. The total far exceeds the five-year average (2003-2007) of 13.0 million acres.

Provincially, the seeded area in Manitoba rose 8.1% to 3.1 million acres, in Saskatchewan by 2.1% to 7.4 million acres, and in Alberta by 14.4% to 5.2 million acres.

Spring wheat, durum wheat area up across the Prairie provinces

Again, firming prices appear to be the reason for increased plantings of spring wheat and durum wheat.

Prairie farmers reported planting 16.0 million acres of spring wheat, up 1.2 million acres from 2007. The five-year average is 17.0 million acres.

Farmers in all three Prairie provinces reported planting more spring wheat. Those in Alberta led the way, planting an additional 873,000 acres, followed by Saskatchewan at 165,000 extra acres and Manitoba with 145,000 additional acres.

The area of durum wheat jumped 26.7% to 6.1 million acres, as farmers look for higher returns. This is well above the five-year average of 5.1 million acres.

In Saskatchewan, where the vast majority of durum wheat is grown, farmers planted 5.1 million acres, up 25.9% from 2007. Alberta farmers seeded one million acres, up 30.7%.

Drop in acreage for Prairie barley, oats

Prairie farmers planted 8.5 million acres of barley, down 1.8 million acres or 17.5% from the 10.3 million acres seeded in 2007. The five-year average is 10.0 million acres.

Farmers in all three Prairie provinces reported double-digit percentage decreases in barley plantings, as they abandoned feed grains for better returns in canola, spring wheat and durum.

In addition, the area seeded to oats in the Prairies declined 19.4% to 4.0 million acres. The five-year average is 4.4 million acres. Provincially, declines ranged from 21.4% in Saskatchewan to 14.3% in Manitoba.

Less grain corn in the East; record for soybeans in Quebec

Total grain corn acreage in Ontario and Quebec fell considerably, with Ontario seeded area down 15.5% to 1.8 million acres. In Quebec, grain corn acreage fell 12.2% to 976,100 acres.

Soybean area was up 31.8% in Quebec to a record 573,300 acres, smashing the previous record of 494,200 acres in 2004. In contrast, Ontario farmers reported a 6.3% decline in soybean area to 2.1 million acres, just below the five-year average of 2.2 million acres.

In Ontario, the declines in soybeans and grain corn acreage were rotated into winter wheat. Ontario farmers reported 1.2 million acres of winter wheat remaining for harvest, far higher than the five-year average of 840,695 acres.

Related products

Selected publications from Statistics Canada

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-U	Canadian Potato Production - Updates
22-008-X	Canadian Potato Production
22F0005X	Crops Small Area Current Data
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

Selected CANSIM tables from Statistics Canada

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
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

Selected surveys from Statistics Canada

3401	Field Crop Reporting Series
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Selected summary tables from Statistics Canada

- *Field and specialty crops*

Statistical tables

Table 1
June preliminary estimates of crop areas, Canada, 2007 and 2008

	Seeded area		Area as a % of 2007	Seeded area	
	2007	2008		2007	2008
	000 hectares		percent	000 acres	
Canada					
Winter wheat ¹	642.1	1,038.4	161.7	1,586.7	2,565.9
Spring wheat	6,157.2	6,650.1	108.0	15,214.9	16,433.6
Durum wheat	1,948.6	2,468.6	126.7	4,815.0	6,100.0
All wheat	8,747.9	10,157.1	116.1	21,616.6	25,099.5
Oats	2,188.4	1,773.4	81.0	5,407.7	4,382.0
Barley	4,396.8	3,671.4	83.5	10,864.8	9,072.1
Fall rye ¹	123.4	137.7	111.6	305.0	340.0
Flaxseed ²	528.0	611.1	115.7	1,305.0	1,510.0
Canola	5,959.5	6,398.9	107.4	14,726.0	15,811.9
Corn for grain	1,391.5	1,204.0	86.5	3,439.0	2,975.1
Soybeans	1,180.1	1,211.3	102.6	2,915.9	2,993.3
Mixed grains	170.7	127.2	74.5	421.8	314.9
Dry peas	1,469.0	1,535.5	104.5	3,630.0	3,795.0
Dry white beans	60.7	54.7	90.1	150.0	135.0
Dry coloured beans	92.5	91.9	99.4	229.1	227.4
Fodder corn	246.4	244.9	99.4	609.1	605.6
Summerfallow	3,120.0	2,341.0	75.0	7,710.0	5,785.0
Prince Edward Island					
Winter wheat ¹	3.0	1.9	63.3	7.5	4.8
Spring wheat	7.7	12.1	157.1	19.0	30.0
All wheat	10.7	14.0	130.8	26.5	34.8
Oats	4.9	5.7	116.3	12.0	14.0
Barley	34.4	32.4	94.2	85.0	80.0
Soybeans	4.5	8.1	180.0	11.0	20.0
Mixed grains	4.0	3.2	80.0	10.0	8.0
Fodder corn	2.4	2.8	116.7	6.0	7.0
Nova Scotia					
Winter wheat ¹	0.8	1.8	225.0	2.0	4.5
Spring wheat	0.8	1.0	125.0	2.0	2.5
All wheat	1.6	2.8	175.0	4.0	7.0
Oats	2.2	2.4	109.1	5.5	6.0
Barley	2.8	4.9	175.0	7.0	12.0
Corn for grain	4.0	4.9	122.5	10.0	12.0
Fodder Corn	4.0	4.0	100.0	10.0	10.0
New Brunswick					
Winter wheat ¹	0.2	0.2	100.0	0.5	0.5
Spring wheat	1.6	2.0	125.0	4.0	5.0
All wheat	1.8	2.2	122.2	4.5	5.5
Oats	8.5	10.1	118.8	21.0	25.0
Barley	13.4	11.3	84.3	33.0	28.0
Corn for grain	2.8	4.9	175.0	7.0	12.0
Fodder corn	2.8	4.0	142.9	7.0	10.0
Quebec					
Winter wheat ¹	2.7	4.5	166.7	6.7	11.1
Spring wheat	53.8	49.0	91.1	132.9	121.1
All wheat	56.5	53.5	94.7	139.6	132.2
Oats	115.0	102.0	88.7	284.2	252.0
Barley	95.0	100.0	105.3	234.8	247.1
Canola	8.5	21.0	247.1	21.0	51.9
Corn for grain	450.0	395.0	87.8	1,112.0	976.1
Corn for grain GM	234.0	232.0	99.1	578.2	573.3
Soybeans	176.0	232.0	131.8	434.9	573.3
Soybeans GM	84.5	113.0	133.7	208.8	279.2
Mixed grains	25.0	21.0	84.0	61.8	51.9
Total dry beans	6.5	5.0	76.9	16.1	12.4
Fodder corn	47.0	48.0	102.1	116.1	118.6

See footnotes at the end of the table.

Table 1 – continued

June preliminary estimates of crop areas, Canada, 2007 and 2008

	Seeded area		Area as a % of 2007	Seeded area	
	2007	2008		2007	2008
	000 hectares		percent	000 acres	
Ontario					
Winter wheat ¹	240.8	479.6	199.2	595.0	1,185.0
Spring wheat	72.8	78.9	108.4	180.0	195.0
All wheat	313.6	558.5	178.1	775.0	1,380.0
Oats	40.5	30.4	75.1	100.0	75.0
Barley	68.8	62.7	91.1	170.0	155.0
Fall rye ¹	20.2	22.3	110.4	50.0	55.0
Canola	14.2	22.3	157.0	35.0	55.0
Corn for grain	849.8	718.3	84.5	2,100.0	1,775.0
Corn for grain GM	402.7	400.6	99.5	995.0	990.0
Soybeans	906.5	849.8	93.7	2,240.0	2,100.0
Soybeans GM	445.2	491.7	110.4	1,100.0	1,215.0
Mixed grains	56.7	46.5	82.0	140.0	115.0
Dry white beans	34.4	32.4	94.2	85.0	80.0
Dry coloured beans	30.3	22.2	73.3	75.0	55.0
Fodder corn	121.4	107.2	88.3	300.0	265.0
Manitoba					
Winter wheat ¹	178.1	222.6	125.0	440.0	550.0
Spring wheat	1,005.6	1,064.3	105.8	2,485.0	2,630.0
All wheat	1,183.7	1,286.9	108.7	2,925.0	3,180.0
Oats	424.9	364.2	85.7	1,050.0	900.0
Barley	412.8	311.6	75.5	1,020.0	770.0
Fall rye ¹	22.3	30.4	136.3	55.0	75.0
Flaxseed ²	80.9	111.3	137.6	200.0	275.0
Canola	1,153.4	1,246.4	108.1	2,850.0	3,080.0
Corn for grain	80.9	72.8	90.0	200.0	180.0
Soybeans	93.1	121.4	130.4	230.0	300.0
Mixed grains	8.1	4.0	49.4	20.0	10.0
Dry peas	38.5	50.5	131.2	95.0	125.0
Dry white beans	26.3	22.3	84.8	65.0	55.0
Dry coloured beans	34.3	46.5	135.6	85.0	115.0
Sunflower seeds	76.9	70.8	92.1	190.0	175.0
Canary seed	6.1	10.1	165.6	15.0	25.0
Fodder corn	30.4	28.3	93.1	75.0	70.0
Summerfallow	107.0	57.0	53.3	265.0	140.0
Saskatchewan					
Winter wheat ¹	151.8	222.6	146.6	375.0	550.0
Spring wheat	3,029.1	3,095.8	102.2	7,485.0	7,650.0
Durum wheat	1,639.0	2,063.9	125.9	4,050.0	5,100.0
All wheat	4,819.9	5,382.3	111.7	11,910.0	13,300.0
Oats	1,133.1	890.3	78.6	2,800.0	2,200.0
Barley	1,780.6	1,477.1	83.0	4,400.0	3,650.0
Fall rye ¹	52.6	60.7	115.4	130.0	150.0
Flaxseed ²	435.0	477.5	109.8	1,075.0	1,180.0
Canola	2,934.0	2,994.7	102.1	7,250.0	7,400.0
Mixed grains	16.2	12.1	74.7	40.0	30.0
Dry peas	1,183.7	1,173.5	99.1	2,925.0	2,900.0
Lentils	540.2	631.3	116.9	1,335.0	1,560.0
Mustard seed	141.6	145.7	102.9	350.0	360.0
Canary seed	172.0	153.8	89.4	425.0	380.0
Chickpeas	153.8	72.9	47.4	380.0	180.0
Fodder corn	..	6.1	..	..	15.0
Triticale	32.4	18.2	56.2	80.0	45.0
Summerfallow	2,145.0	1,619.0	75.5	5,300.0	4,000.0

See footnotes at the end of the table.

Table 1 – continued

June preliminary estimates of crop areas, Canada, 2007 and 2008

	Seeded area		Area as a % of 2007	Seeded area	
	2007	2008		2007	2008
	000 hectares		percent	000 acres	
Alberta					
Winter wheat ¹	64.7	105.2	162.6	160.0	260.0
Spring wheat	1,969.6	2,322.8	117.9	4,867.0	5,740.0
Durum wheat	309.6	404.7	130.7	765.0	1,000.0
All wheat	2,343.9	2,832.7	120.9	5,792.0	7,000.0
Oats	424.9	344.0	81.0	1,050.0	850.0
Barley	1,962.7	1,639.0	83.5	4,850.0	4,050.0
Fall rye ¹	28.3	24.3	85.9	70.0	60.0
Flaxseed ²	12.1	22.3	184.3	30.0	55.0
Canola	1,821.1	2,084.1	114.4	4,500.0	5,150.0
Corn for grain	4.0	8.1	202.5	10.0	20.0
Mixed grains	56.7	36.4	64.2	140.0	90.0
Dry peas	246.8	311.5	126.2	610.0	770.0
Dry coloured beans	21.4	18.2	85.0	53.0	45.0
Mustard seed	34.4	52.6	152.9	85.0	130.0
Fodder corn	28.3	32.4	114.5	70.0	80.0
Sugar beets	13.8	7.3	52.9	34.0	18.0
Triticale	16.2	10.1	62.3	40.0	25.0
Summerfallow	850.0	647.0	76.1	2,100.0	1,600.0
British Columbia					
Spring wheat	16.2	24.2	149.4	40.0	60.0
Oats	34.4	24.3	70.6	85.0	60.0
Barley	26.3	32.4	123.2	65.0	80.0
Canola	28.3	30.4	107.4	70.0	75.0
Mixed grains	4.0	4.0	100.0	10.0	10.0
Fodder corn	10.1	12.1	119.8	25.0	30.0
Summerfallow	18.0	18.0	100.0	45.0	45.0
Western Canada ³					
Winter wheat ¹	394.6	550.4	139.5	975.0	1,360.0
Spring wheat	6,020.5	6,507.1	108.1	14,877.0	16,080.0
Durum wheat	1,948.6	2,468.6	126.7	4,815.0	6,100.0
All wheat	8,363.7	9,526.1	113.9	20,667.0	23,540.0
Oats	2,017.3	1,622.8	80.4	4,985.0	4,010.0
Barley	4,182.4	3,460.1	82.7	10,335.0	8,550.0
Fall rye ¹	103.2	115.4	111.8	255.0	285.0
Flaxseed ²	528.0	611.1	115.7	1,305.0	1,510.0
Canola	5,936.8	6,355.6	107.1	14,670.0	15,705.0
Dry peas	1,469.0	1,535.5	104.5	3,630.0	3,795.0
Summerfallow	3,120.0	2,341.0	75.0	7,710.0	5,785.0

1. The area remaining in June after winterkill.

2. Excludes solin.

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

Table 2
June preliminary estimates of spring wheat crop area by type, in Western Canada, 2007 and 2008

	Seeded area		Area as a % of 2007	Seeded area	
	2007	2008		2007	2008
	000 hectares		percent	000 acres	
Manitoba					
Hard red spring wheat	930.8	1,005.6	108.0	2,300.0	2,485.0
Prairie spring wheat	38.4	36.4	94.8	95.0	90.0
Soft white spring wheat	2.0	2.0	100.0	5.0	5.0
Canadian western extra-strong	4.0	6.1	152.5	10.0	15.0
Other spring wheat	30.4	14.2	46.7	75.0	35.0
Spring wheat - Total	1,005.6	1,064.3	105.8	2,485.0	2,630.0
Saskatchewan					
Hard red spring wheat	2,711.4	2,731.6	100.7	6,700.0	6,750.0
Prairie spring wheat	216.5	121.4	56.1	535.0	300.0
Soft white spring wheat	16.2	161.9	999.4	40.0	400.0
Canadian western extra-strong	28.3	28.3	100.0	70.0	70.0
Other spring wheat	56.7	52.6	92.8	140.0	130.0
Spring wheat - Total	3,029.1	3,095.8	102.2	7,485.0	7,650.0
Alberta					
Hard red spring wheat	1,709.8	1,962.7	114.8	4,225.0	4,850.0
Prairie spring wheat	161.9	230.7	142.5	400.0	570.0
Soft white spring wheat	14.2	20.2	142.3	35.0	50.0
Canadian western extra-strong	36.4	80.9	222.3	90.0	200.0
Other spring wheat	47.3	28.3	59.8	117.0	70.0
Spring wheat - Total	1,969.6	2,322.8	117.9	4,867.0	5,740.0
British Columbia					
Hard red spring wheat	14.2	20.2	142.3	35.0	50.0
Prairie spring wheat	2.0	1.6	80.0	5.0	4.0
Soft white spring wheat	...	...	...	...	...
Canadian western extra-strong	...	2.0	...	...	5.0
Other spring wheat	...	0.4	...	...	1.0
Spring wheat - Total	16.2	24.2	149.4	40.0	60.0
Western Canada					
Hard red spring wheat	5,366.2	5,720.1	106.6	13,260.0	14,135.0
Prairie spring wheat	418.8	390.1	93.1	1,035.0	964.0
Soft white spring wheat	32.4	184.1	568.2	80.0	455.0
Canadian western extra-strong	68.7	117.3	170.7	170.0	290.0
Other spring wheat	134.4	95.5	71.1	332.0	236.0
Spring wheat - Total	6,020.5	6,507.1	108.1	14,877.0	16,080.0

Table 3

June preliminary estimates of special crop areas by province and type, 2007 and 2008

	Seeded area ¹		Area as a % of 2007	Seeded area ¹	
	2007	2008		2007	2008
	000 hectares		percent	000 acres	
Quebec					
Dry white beans	F	F	...	F	F
Dry coloured beans	6.5 ^D	5.0 ^D	77.0	16.1 ^D	12.4 ^D
Black beans	F	0	...	F	0
Cranberry beans	4.0 ^D	F	...	9.9 ^D	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	F	0	...	F	0
Other dry beans	F	F	...	F	F
All dry beans	6.5 ^D	5.0 ^D	77.0	16.1 ^D	12.4 ^D
Ontario					
Dry white beans	34.4 ^B	32.4 ^C	94.1	85.0 ^B	80.0 ^C
Dry coloured beans	30.4 ^C	22.3 ^C	73.3	75.0 ^C	55.0 ^C
Black beans	F	F	...	F	F
Cranberry beans	6.1 ^D	8.1 ^D	133.3	15.0 ^D	20.0 ^D
Dark red kidney beans	6.1 ^D	F	...	15.0 ^D	F
Great Northern beans	F	-	...	F	-
Light red kidney beans	F	F	...	F	F
Pinto beans	F	F	...	F	F
Small red beans	F	F	...	F	F
Other dry beans	10.1 ^D	8.1 ^D	80.0	25.0 ^D	20.0 ^D
All dry beans	64.8 ^B	54.6 ^B	84.4	160.0 ^B	135.0 ^B
Manitoba					
Dry white beans	26.3 ^C	22.3 ^D	84.6	65.0 ^C	55.0 ^D
Dry coloured beans	34.3 ^B	46.5 ^D	135.3	85.0 ^B	115.0 ^D
Black beans	4.0 ^D	F	...	10.0 ^D	F
Cranberry beans	F	F	...	F	F
Dark red kidney beans	F	F	...	F	F
Great Northern beans	F	F	...	F	F
Light red kidney beans	3.2 ^D	F	...	8.0 ^D	F
Pinto beans	22.3 ^B	18.2 ^D	81.8	55.0 ^B	45.0 ^D
Small red beans	F	F	...	F	F
Other dry beans	2.4 ^D	F	...	6.0 ^D	F
All dry beans	60.7 ^B	68.8 ^D	113.3	150.0 ^B	170.0 ^D
Green dry peas	x ^C	F	...	x ^C	F
Yellow dry peas	30.4 ^B	44.5 ^C	146.7	75.0 ^B	110.0 ^C
Other dry peas	F	F	...	F	F
All dry peas	38.5 ^B	50.6 ^B	131.6	95.0 ^B	125.0 ^B
Large green lentils	F	-	...	F	-
Red lentils	F	F	...	F	F
Small green lentils	F	F	...	F	F
Other lentils	F	-	...	F	-
All lentils	F	F	...	F	F
Brown mustard seed	F	F	...	F	F
Oriental mustard seed	F	-	...	F	-
Yellow mustard seed	F	F	...	F	F
Other mustard seed	F	-	...	F	-
All mustard seed	F	F	...	F	F

See footnotes at the end of the table.

Table 3 – continued

June preliminary estimates of special crop areas by province and type, 2007 and 2008

	Seeded area ¹		Area as a % of 2007	Seeded area ¹	
	2007	2008		2007	2008
	000 hectares		percent	000 acres	
Hairless Canary seed	F	F	...	F	F
Regular Canary seed	x ^D	F	...	x ^D	F
All Canary seed	6.1^D	F	...	15.0^D	F
Desi chick peas	0	F	...	0	F
Kabuli chick peas	F	-	...	F	-
Other chick peas	F	F	...	F	F
All chick peas	F	F	...	F	F
Saskatchewan					
Dry white beans	0	F	...	0	F
Dry coloured beans	F	F	...	F	F
Black beans	0	F	...	0	F
Cranberry beans	F	0	...	F	0
Dark red kidney beans	0	0	...	0	0
Great Northern beans	F	F	...	F	F
Light red kidney beans	0	0	...	0	0
Pinto beans	F	F	...	F	F
Small red beans	0	F	...	0	F
Other dry beans	F	F	...	F	F
All dry beans	F	F	...	F	F
Green dry peas	214.5 ^A	182.1 ^B	84.9	530.0 ^A	450.0 ^B
Yellow dry peas	944.9 ^A	971.2 ^A	102.8	2,335.0 ^A	2,400.0 ^A
Other dry peas	24.3 ^D	20.2 ^D	83.3	60.0 ^D	50.0 ^D
All dry peas	1,183.7^A	1,173.6^A	99.1	2,925.0^A	2,900.0^A
Large green lentils	226.6 ^A	242.8 ^B	107.1	560.0 ^A	600.0 ^B
Red lentils	190.2 ^B	299.5 ^B	157.4	470.0 ^B	740.0 ^B
Small green lentils	103.2 ^B	72.8 ^C	70.6	255.0 ^B	180.0 ^C
Other lentils	20.2 ^D	16.2 ^D	80.0	50.0 ^D	40.0 ^D
All lentils	540.2^A	631.3^A	116.9	1,335.0^A	1,560.0^A
Brown mustard seed	40.5 ^C	52.6 ^C	130.0	100.0 ^C	130.0 ^C
Oriental mustard seed	20.2 ^C	x ^C	...	50.0 ^C	x ^C
Yellow mustard seed	80.9 ^B	68.8 ^B	85.0	200.0 ^B	170.0 ^B
Other mustard seed	0	F	...	0	F
All mustard seed	141.6^B	145.7^B	102.9	350.0^B	360.0^B
Hairless Canary seed	62.7 ^B	58.7 ^C	93.5	155.0 ^B	145.0 ^C
Regular Canary seed	109.3 ^B	95.1 ^B	87.0	270.0 ^B	235.0 ^B
All Canary seed	172.0^A	153.8^B	89.4	425.0^A	380.0^B
Desi chick peas	28.3 ^C	F	...	70.0 ^C	F
Kabuli chick peas	93.1 ^B	32.4 ^C	34.8	230.0 ^B	80.0 ^C
Other chick peas	32.4 ^D	x ^D	...	80.0 ^D	x ^D
All chick peas	153.8^B	72.8^C	47.4	380.0^B	180.0^C
Alberta					
Dry white beans	0 ^s	0 ^s	...	0 ^s	0 ^s
Dry coloured beans	21.4 ^D	18.2 ^D	84.9	53.0 ^D	45.0 ^D
Black beans	F	F	...	F	F
Cranberry beans	0	0	...	0	0
Dark red kidney beans	0	F	...	0	F
Great Northern beans	4.9 ^D	F	...	12.0 ^D	F
Light red kidney beans	F	0 ^s	...	F	0 ^s
Pinto beans	8.9 ^D	6.9 ^D	77.3	22.0 ^D	17.0 ^D
Small red beans	2.4 ^D	F	...	6.0 ^D	F
Other dry beans	F	F	...	F	F
All dry beans	21.4^C	18.2^D	84.9	53.0^C	45.0^D

See footnotes at the end of the table.

Table 3 – continued

June preliminary estimates of special crop areas by province and type, 2007 and 2008

	Seeded area ¹		Area as a % of 2007	Seeded area ¹	
	2007	2008		2007	2008
	000 hectares		percent	000 acres	
Green dry peas	36.4 ^B	x ^C	...	90.0 ^B	x ^C
Yellow dry peas	206.4 ^A	271.1 ^B	131.4	510.0 ^A	670.0 ^B
Other dry peas	4.0 ^D	F	...	10.0 ^D	F
All dry peas	246.8^A	311.6^B	126.2	610.0^A	770.0^B
Large green lentils	F	F	...	F	F
Red lentils	F	-	...	F	-
Small green lentils	F	F	...	F	F
Other lentils	-	-	...	-	-
All lentils	F	F	...	F	F
Brown mustard seed	8.1 ^D	F	...	20.0 ^D	F
Oriental mustard seed	6.1 ^D	F	...	15.0 ^D	F
Yellow mustard seed	20.2 ^B	40.5 ^D	200.0	50.0 ^B	100.0 ^D
Other mustard seed	0	0	...	0	0
All mustard seed	34.4^B	52.6^C	152.9	85.0^B	130.0^C
Hairless Canary seed	F	F	...	F	F
Regular Canary seed	F	F	...	F	F
All Canary seed	F	F	...	F	F
Desi chick peas	F	F	...	F	F
Kabuli chick peas	10.1 ^C	F	...	25.0 ^C	F
Other chick peas	x ^D	F	...	x ^D	F
All chick peas	20.2^C	F	...	50.0^C	F

1. For coefficient, see Text table 2 in the Methodology and data quality section.

Crop categories

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.

Coarse grains: oats, barley, rye, corn for grain and mixed grains.

Oilseeds: canola, flaxseed and soybeans.

Special crops: dry peas, dry white beans, coloured beans, lentils, mustard seed, sunflower seed, Canary seed and chick peas.

Methodology and data quality

Survey frame and sample selection

The target population for the June seeded area estimates includes all farms in Canada enumerated in the Census of Agriculture except those on Indian reserves and farms from the Northwest Territories, Yukon and Newfoundland. 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 seeded area is selected.

Probability surveys can use two types of sampling frames, list and area. In the June seeded area 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 26,100 farms is drawn from the list frame for the June seeded area survey.

Data collection

Data collection for June seeded area was carried out from May 23 to June 3, 2008.

Data collection for field crop 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, 85% of the questionnaires have been fully completed. The refusal rate to the survey is approximately 2 to 5%. 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 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 a final estimate is 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 crop report.

The following table contains some statistics which indicate the magnitude and direction of past revisions to the June seeded area. 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, 2.4% and usually in a downwards direction.

Text table 1

Magnitude and direction of past revisions to June seeded area estimates, Canada, 1997 to 2007

	Number of years June seeded areas are revised		
	Average change	Upwards	Downwards
	percent	number of years	
Wheat	2.3	6	5
Barley	2.4	3	8
Flaxseed	3.9	3	6
Canola	2.3	5	6
Corn for grain	1.5	7	3
Soybeans	1.3	6	5
Summerfallow	3.8	4	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 do remain within the confidence interval of the survey level indicators.

For the June seeded area survey, coefficient of variations at the Canada level 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 grades represent the following C.V. ranges:

Text table 2
CV rating system for special crops

CV 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 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.