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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

- Prairie farmers increased acreage planted in spring wheat this year, while the acreage for most feed grains declined. Ontario and Quebec farmers reported that the area planted to soybeans rose to a new high.

Analysis

Preliminary estimates of principal field crops areas, Canada, 2009

Prairie farmers increased acreage planted in spring wheat this year, while the acreage for most feed grains declined. Ontario and Quebec farmers reported that the area planted to soybeans rose to a new high.

The June farm survey, Statistics Canada's largest area survey, was conducted between May 25 and June 3, covering 25,000 Canadian farmers. As of June 3, Prairie farmers reported that planting was virtually complete, with unseeded pockets remaining in mainly northern areas and in the Red River Valley regions of Manitoba affected by the spring floods.

Seeding conditions were variable across the Canadian Prairies, ranging from cool and dry in western areas to cool and excessively wet in eastern regions.

In Ontario and Quebec, planting was mostly complete, although cool, damp weather hampered progress.

Area for spring wheat rose

Prairie farmers reported planting 17.1 million acres of spring wheat, up 7.3% or 1.2 million acres from 2008.

Wheat area increased in all three Prairie provinces. In Manitoba, farmers planted 13.8% more spring wheat, followed by Saskatchewan at 7.1% and Alberta at 4.6%.

Mixed results for oilseeds: slight decline for canola as flaxseed area rises

Prairie farmers reported that the area seeded to canola amounted to 15.7 million acres, down 2.0% or 325,000 acres from the record set in 2008.

Farmers in all three Prairie provinces planted less canola, with the largest decline observed in Alberta, a drop of 250,000 acres. The area seeded to canola had grown steadily from 2006 to 2008.

Flaxseed area on the prairies increased 10.3% to 1.7 million acres. This is the second consecutive annual increase.

Farmers in all three Prairie provinces reported an increase in the area seeded to flaxseed.

Barley area fell

Total barley area on the Prairies fell 545,000 acres from 2008, to an estimated 8.2 million acres. This is the smallest area seeded to barley since 1967.

Barley acreage fell in all three Prairie provinces, with the largest decline of 250,000 acres reported in Saskatchewan.

New high for soybean area

Soybean seeded area rose to a new high in both Ontario and Quebec. The acreage in Ontario rose 14.3% or 300,000 acres to 2.4 million acres, while in Quebec, farmers reported a 4.3% increase to 598,000 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
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

Selected summary tables from Statistics Canada

- *Field and specialty crops*

Statistical tables

Table 1
June preliminary estimates of crop areas, Canada, 2008 and 2009

	Seeded area		Area as a percent of 2008	Seeded area	
	2008	2009		2008	2009
	thousand of hectares		percent	thousand of acres	
Canada					
Winter wheat [1]	1,058.9	755.4	71.3	2,616.6	1,866.9
Spring wheat	6,621.9	7,075.8	106.9	16,363.1	17,485.0
Durum wheat	2,440.3	2,258.2	92.5	6,030.0	5,580.0
All wheat	**10,121.1**	**10,089.4**	99.7	**25,009.7**	**24,931.9**
Oats	1,758.4	1,569.6	89.3	4,345.0	3,878.5
Barley	3,786.6	3,552.3	93.8	9,357.1	8,778.3
Fall rye [1]	137.6	131.5	95.6	340.0	325.0
Flaxseed [2]	631.3	696.1	110.3	1,560.0	1,720.0
Canola	6,539.6	6,404.0	97.9	16,159.5	15,824.7
Corn for grain	1,204.0	1,230.6	102.2	2,975.1	3,041.1
Soybeans	1,202.4	1,406.6	117.0	2,971.3	3,476.0
Mixed grains	143.4	168.7	117.6	354.9	417.0
Dry peas	1,616.6	1,515.4	93.7	3,995.0	3,745.0
Dry white beans	54.7	26.3	48.1	135.0	65.0
Dry coloured beans	73.6	79.0	107.3	182.4	196.1
Fodder corn	252.2	278.3	110.3	623.6	687.5
Summerfallow	2,456.0	2,383.0	97.0	6,070.0	5,890.0
Prince Edward Island					
Winter wheat [1]	2.0	2.0	100.0	5.0	5.0
Spring wheat	15.0	10.1	67.3	37.0	25.0
All wheat	**17.0**	**12.1**	71.2	**42.0**	**30.0**
Oats	4.9	4.9	100.0	12.0	12.0
Barley	31.2	22.3	71.5	77.0	55.0
Soybeans	7.3	11.3	154.8	18.0	28.0
Mixed grains	3.2	2.0	62.5	8.0	5.0
Fodder corn	2.8	2.8	100.0	7.0	7.0
Nova Scotia					
Winter wheat [1]	2.0	2.2	110.0	5.0	5.5
Spring wheat	1.0	0.4	40.0	2.5	1.0
All wheat	**3.0**	**2.6**	86.7	**7.5**	**6.5**
Oats	2.4	2.0	83.3	6.0	5.0
Barley	4.0	2.0	50.0	10.0	5.0
Corn for grain	4.9	3.2	65.3	12.0	8.0
Fodder Corn	4.0	4.5	112.5	10.0	11.0
New Brunswick					
Winter wheat [1]	0.2	0.4	200.0	0.5	1.0
Spring wheat	2.0	1.2	60.0	5.0	3.0
All wheat	**2.2**	**1.6**	72.7	**5.5**	**4.0**
Oats	10.1	8.9	88.1	25.0	22.0
Barley	11.3	10.5	92.9	28.0	26.0
Corn for grain	4.9	2.8	57.1	12.0	7.0
Fodder corn	3.2	4.5	140.6	8.0	11.0
Quebec					
Winter wheat [1]	4.5	4.2	93.3	11.1	10.4
Spring wheat	50.0	51.0	102.0	123.6	126.0
All wheat	**54.5**	**55.2**	101.3	**134.7**	**136.4**
Oats	102.0	105.0	102.9	252.0	259.5
Barley	100.0	92.0	92.0	247.1	227.3
Canola	18.0	12.0	66.7	44.5	29.7
Corn for grain	395.0	395.0	100.0	976.1	976.1
Corn for grain GM	232.0	275.0	118.5	573.3	679.5
Soybeans	232.0	242.0	104.3	573.3	598.0
Soybeans GM	113.0	118.0	104.4	279.2	291.6
Mixed grains	21.0	19.0	90.5	51.9	47.0
Total dry beans	5.0	4.5	90.0	12.4	11.1
Fodder corn	48.0	52.0	108.3	118.6	128.5

See notes at the end of the table.

Table 1 – continued

June preliminary estimates of crop areas, Canada, 2008 and 2009

	Seeded area		Area as a percent of 2008	Seeded area	
	2008	2009		2008	2009
	thousand of hectares		percent	thousand of acres	
Ontario					
Winter wheat [1]	495.7	370.3	74.7	1,225.0	915.0
Spring wheat	68.8	46.5	67.6	170.0	115.0
All wheat	**564.5**	**416.8**	73.8	**1,395.0**	**1,030.0**
Oats	30.4	34.4	113.2	75.0	85.0
Barley	62.7	72.8	116.1	155.0	180.0
Fall rye [1]	18.2	14.2	78.0	45.0	35.0
Canola	22.3	18.2	81.6	55.0	45.0
Corn for grain	712.2	738.6	103.7	1,760.0	1,825.0
Corn for grain GM	396.6	485.6	122.4	980.0	1,200.0
Soybeans	849.8	971.2	114.3	2,100.0	2,400.0
Soybeans GM	491.7	485.6	98.8	1,215.0	1,200.0
Mixed grains	46.5	46.5	100.0	115.0	115.0
Dry white beans	32.4	20.2	62.3	80.0	50.0
Dry coloured beans	22.2	18.1	81.5	55.0	45.0
Fodder corn	113.3	121.4	107.1	280.0	300.0
Manitoba					
Winter wheat [1]	222.6	105.2	47.3	550.0	260.0
Spring wheat	1,080.6	1,230.2	113.8	2,670.0	3,040.0
All wheat	**1,303.2**	**1,335.4**	102.5	**3,220.0**	**3,300.0**
Oats	348.0	255.0	73.3	860.0	630.0
Barley	329.8	271.1	82.2	815.0	670.0
Fall rye [1]	30.4	32.4	106.6	75.0	80.0
Flaxseed [2]	107.2	143.7	134.0	265.0	355.0
Canola	1,254.5	1,244.4	99.2	3,100.0	3,075.0
Corn for grain	78.9	78.9	100.0	195.0	195.0
Soybeans	113.3	182.1	160.7	280.0	450.0
Mixed grains	4.0	6.1	152.5	10.0	15.0
Dry peas	44.4	38.4	86.5	110.0	95.0
Dry white beans	22.3	6.1	27.4	55.0	15.0
Dry coloured beans	30.2	38.3	126.8	75.0	95.0
Sunflower seeds	68.8	64.7	94.0	170.0	160.0
Fodder corn	34.4	26.3	76.5	85.0	65.0
Summerfallow	61.0	101.0	165.6	150.0	250.0
Saskatchewan					
Winter wheat [1]	222.6	165.9	74.5	550.0	410.0
Spring wheat	3,075.6	3,294.2	107.1	7,600.0	8,140.0
Durum wheat	2,063.9	1,881.8	91.2	5,100.0	4,650.0
All wheat	**5,362.1**	**5,341.9**	99.6	**13,250.0**	**13,200.0**
Oats	890.3	768.9	86.4	2,200.0	1,900.0
Barley	1,537.8	1,436.6	93.4	3,800.0	3,550.0
Fall rye [1]	60.7	64.7	106.6	150.0	160.0
Flaxseed [2]	505.9	526.1	104.0	1,250.0	1,300.0
Canola	3,116.1	3,095.8	99.3	7,700.0	7,650.0
Mixed grains	12.1	28.3	233.9	30.0	70.0
Dry peas	1,284.9	1,153.3	89.8	3,175.0	2,850.0
Lentils	651.6	938.8	144.1	1,610.0	2,320.0
Mustard seed	149.7	169.9	113.5	370.0	420.0
Canary seed	157.8	121.4	76.9	390.0	300.0
Chickpeas	44.4	58.7	132.2	110.0	145.0
Fodder corn	6.1	16.2	265.6	15.0	40.0
Triticale	20.2	28.3	140.1	50.0	70.0
Summerfallow	1,679.0	1,639.0	97.6	4,150.0	4,050.0

See notes at the end of the table.

Table 1 – continued

June preliminary estimates of crop areas, Canada, 2008 and 2009

	Seeded area		Area as a percent of 2008	Seeded area	
	2008	2009		2008	2009
	thousand of hectares		percent	thousand of acres	
Alberta					
Winter wheat [1]	109.3	105.2	96.2	270.0	260.0
Spring wheat	2,306.7	2,411.9	104.6	5,700.0	5,960.0
Durum wheat	376.4	376.4	100.0	930.0	930.0
All wheat	**2,792.4**	**2,893.5**	103.6	**6,900.0**	**7,150.0**
Oats	344.0	364.2	105.9	850.0	900.0
Barley	1,679.4	1,618.7	96.4	4,150.0	4,000.0
Fall rye [1]	28.3	20.2	71.4	70.0	50.0
Flaxseed [2]	18.2	26.3	144.5	45.0	65.0
Canola	2,104.4	2,003.2	95.2	5,200.0	4,950.0
Corn for grain	8.1	12.1	149.4	20.0	30.0
Mixed grains	52.6	60.7	115.4	130.0	150.0
Dry peas	287.3	323.7	112.7	710.0	800.0
Dry coloured beans	16.2	18.1	111.7	40.0	45.0
Mustard seed	44.5	50.5	113.5	110.0	125.0
Chickpeas	..	12.1	...	..	30.0
Fodder corn	28.3	36.4	128.6	70.0	90.0
Triticale	14.2	14.2	100.0	35.0	35.0
Summerfallow	688.0	627.0	91.1	1,700.0	1,550.0
British Columbia					
Spring wheat	22.2	30.3	136.5	55.0	75.0
Oats	26.3	26.3	100.0	65.0	65.0
Barley	30.4	26.3	86.5	75.0	65.0
Canola	24.3	30.4	125.1	60.0	75.0
Mixed grains	4.0	6.1	152.5	10.0	15.0
Fodder corn	12.1	14.2	117.4	30.0	35.0
Summerfallow	28.0	16.0	57.1	70.0	40.0
Western Canada [3]					
Winter wheat [1]	554.5	376.3	67.9	1,370.0	930.0
Spring wheat	6,485.1	6,966.6	107.4	16,025.0	17,215.0
Durum wheat	2,440.3	2,258.2	92.5	6,030.0	5,580.0
All wheat	**9,479.9**	**9,601.1**	101.3	**23,425.0**	**23,725.0**
Oats	1,608.6	1,414.4	87.9	3,975.0	3,495.0
Barley	3,577.4	3,352.7	93.7	8,840.0	8,285.0
Fall rye [1]	119.4	117.3	98.2	295.0	290.0
Flaxseed [2]	631.3	696.1	110.3	1,560.0	1,720.0
Canola	6,499.3	6,373.8	98.1	16,060.0	15,750.0
Dry peas	1,616.6	1,515.4	93.7	3,995.0	3,745.0
Summerfallow	2,456.0	2,383.0	97.0	6,070.0	5,890.0

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, 2008 and 2009

	Seeded area		Area as a percent of 2008	Seeded area	
	2008	2009		2008	2009
	thousand of hectares		percent	thousand of acres	
Manitoba					
Hard red spring wheat	1,023.9	1,191.8	116.4	2,530.0	2,945.0
Prairie spring wheat	20.2	14.2	70.3	50.0	35.0
Soft white spring wheat	14.2	10.1	71.1	35.0	25.0
Canadian western extra-strong	6.1	4.0	65.6	15.0	10.0
Other spring wheat	16.2	10.1	62.3	40.0	25.0
Spring wheat - Total	**1,080.6**	**1,230.2**	113.8	**2,670.0**	**3,040.0**
Saskatchewan					
Hard red spring wheat	2,711.4	2,934.0	108.2	6,700.0	7,250.0
Prairie spring wheat	121.4	85.0	70.0	300.0	210.0
Soft white spring wheat	161.9	178.1	110.0	400.0	440.0
Canadian western extra-strong	28.3	36.4	128.6	70.0	90.0
Other spring wheat	52.6	60.7	115.4	130.0	150.0
Spring wheat - Total	**3,075.6**	**3,294.2**	107.1	**7,600.0**	**8,140.0**
Alberta					
Hard red spring wheat	2,003.2	2,090.2	104.3	4,950.0	5,165.0
Prairie spring wheat	198.3	248.9	125.5	490.0	615.0
Soft white spring wheat	28.3	16.2	57.2	70.0	40.0
Canadian western extra-strong	48.6	36.4	74.9	120.0	90.0
Other spring wheat	28.3	20.2	71.4	70.0	50.0
Spring wheat - Total	**2,306.7**	**2,411.9**	104.6	**5,700.0**	**5,960.0**
British Columbia					
Hard red spring wheat	18.2	26.3	144.5	45.0	65.0
Prairie spring wheat	1.6	4.0	250.0	4.0	10.0
Soft white spring wheat	0.0	0.0	…	0.0	0.0
Canadian western extra-strong	2.0	0.0	…	5.0	0.0
Other spring wheat	0.4	0.0	…	1.0	0.0
Spring wheat - Total	**22.2**	**30.3**	136.5	**55.0**	**75.0**
Western Canada					
Hard red spring wheat	5,756.7	6,242.3	108.4	14,225.0	15,425.0
Prairie spring wheat	341.5	352.1	103.1	844.0	870.0
Soft white spring wheat	204.4	204.4	100.0	505.0	505.0
Canadian western extra-strong	85.0	76.8	90.4	210.0	190.0
Other spring wheat	97.5	91.0	93.3	241.0	225.0
Spring wheat - Total	**6,485.1**	**6,966.6**	107.4	**16,025.0**	**17,215.0**

Table 3
June preliminary estimates of special crop areas by province and type, 2008 and 2009

	Seeded area [4]		Area as a percent of 2008	Seeded area [4]	
	2008	2009		2008	2009
	thousand of hectares			thousand of acres	
Quebec					
Dry white beans	0.0 [s]	0.0 [s]	...	0.0 [s]	0.0 [s]
Dry coloured beans	5.0 [D]	4.5 [D]	89.5	12.4 [D]	11.1 [D]
Black beans	0.0	0.0	...	0.0	0.0
Cranberry beans	F	F	...	F	F
Dark red kidney beans	F	F	...	F	F
Great Northern beans	0.0	0.0	...	0.0	0.0
Light red kidney beans	0.0	0.0	...	0.0	0.0
Pinto beans	0.0	0.0	...	0.0	0.0
Small red beans	0.0	0.0	...	0.0	0.0
Other dry beans	F	F	...	F	F
All dry beans	**5.0** [D]	**4.5** [D]	89.5	**12.4** [D]	**11.1** [D]
Ontario					
Dry white beans	32.4 [B]	20.2 [C]	62.5	80.0 [B]	50.0 [C]
Dry coloured beans	22.3 [C]	18.2 [D]	81.8	55.0 [C]	45.0 [D]
Black beans	F	3.6 [D]	...	F	9.0 [D]
Cranberry beans	8.1 [D]	3.2 [D]	40.0	20.0 [D]	8.0 [D]
Dark red kidney beans	F	2.8 [D]	...	F	7.0 [D]
Great Northern beans	0.0	0.0	...	0.0	0.0
Light red kidney beans	F	F	...	F	F
Pinto beans	F	0.0	...	F	0.0
Small red beans	F	F	...	F	F
Other dry beans	8.1 [D]	6.5 [D]	80.0	20.0 [D]	16.0 [D]
All dry beans	**54.6** [B]	**38.4** [D]	70.4	**135.0** [B]	**95.0** [D]
Manitoba					
Dry white beans	22.3 [D]	6.1 [D]	27.3	55.0 [D]	15.0 [D]
Dry coloured beans	30.2 [C]	38.4 [D]	126.7	75.0 [C]	95.0 [D]
Black beans	4.9 [D]	F	...	12.0 [D]	F
Cranberry beans	F	F	...	F	F
Dark red kidney beans	F	F	...	F	F
Great Northern beans	0.0	0.0	...	0.0	0.0
Light red kidney beans	F	F	...	F	F
Pinto beans	12.1 [D]	24.3 [D]	200.0	30.0 [D]	60.0 [C]
Small red beans	F	F	...	F	F
Other dry beans	F	F	...	F	F
All dry beans	**52.7** [C]	**44.5** [C]	84.6	**130.0** [C]	**110.0** [C]
Green dry peas	x [D]	x [D]	...	x [D]	x [D]
Yellow dry peas	38.4 [B]	28.3 [C]	73.7	95.0 [B]	70.0 [C]
Other dry peas	F	F	...	F	F
All dry peas	**44.4** [B]	**38.4** [C]	86.4	**110.0** [B]	**95.0** [C]
Large green lentils	0.0	F	...	0.0	F
Red lentils	F	F	...	F	F
Small green lentils	F	0.0	...	F	0.0
Other lentils	0.0	0.0	...	0.0	0.0
All lentils	**F**	**F**	...	**F**	**F**
Brown mustard seed	F	0.0	...	F	0.0
Oriental mustard seed	0.0	0.0	...	0.0	0.0
Yellow mustard seed	F	F	...	F	F
Other mustard seed	0.0	0.0	...	0.0	0.0
All mustard seed	**F**	**F**	...	**F**	**F**
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	0.0	...	F	0.0
Kabuli chick peas	0.0	F	...	0.0	F
Other chick peas	F	0.0	...	F	0.0
All chick peas	**F**	**F**	...	**F**	**F**

See notes at the end of the table.

Table 3 – continued

June preliminary estimates of special crop areas by province and type, 2008 and 2009

	Seeded area [4]		Area as a percent of 2008	Seeded area [4]	
	2008	2009		2008	2009
	thousand of hectares			thousand of acres	
Saskatchewan					
Dry white beans	F	F	…	F	F
Dry coloured beans	F	F	…	F	F
Black beans	F	0.0	…	F	0.0
Cranberry beans	0.0	0.0	…	0.0	0.0
Dark red kidney beans	0.0	0.0	…	0.0	0.0
Great Northern beans	F	F	…	F	F
Light red kidney beans	0.0	0.0	…	0.0	0.0
Pinto beans	F	F	…	F	F
Small red beans	F	0.0	…	F	0.0
Other dry beans	F	F	…	F	F
All dry beans	**F**	**F**	…	**F**	**F**
Green dry peas	182.1 B	202.3 B	111.1	450.0 B	500.0 B
Yellow dry peas	1,092.7 A	930.8 A	85.2	2,700.0 A	2,300.0 A
Other dry peas	10.1 D	20.2 D	200.0	25.0 D	50.0 D
All dry peas	**1,284.9** A	**1,153.4** A	89.8	**3,175.0** A	**2,850.0** A
Large green lentils	255.0 B	329.8 B	129.4	630.0 B	815.0 B
Red lentils	315.7 B	493.7 B	156.4	780.0 B	1,220.0 B
Small green lentils	64.7 B	87.0 C	134.4	160.0 B	215.0 C
Other lentils	16.2 D	28.3 D	175.0	40.0 D	70.0 D
All lentils	**651.6** A	**938.9** A	144.1	**1,610.0** A	**2,320.0** A
Brown mustard seed	62.7 C	44.5 C	71.0	155.0 C	110.0 C
Oriental mustard seed	x C	x C	…	x C	x C
Yellow mustard seed	68.8 B	85.0 C	123.5	170.0 B	210.0 C
Other mustard seed	F	F	…	F	F
All mustard seed	**149.7** B	**170.0** B	113.5	**370.0** B	**420.0** B
Hairless Canary seed	54.6 B	40.5 C	74.1	135.0 B	100.0 C
Regular Canary seed	103.2 B	80.9 C	78.4	255.0 B	200.0 C
All Canary seed	**157.8** A	**121.4** B	76.9	**390.0** A	**300.0** B
Desi chick peas	F	F	…	F	F
Kabuli chick peas	36.4 C	30.3 D	83.3	90.0 C	75.0 D
Other chick peas	F	F	…	F	F
All chick peas	**44.4** C	**58.7** C	131.8	**110.0** C	**145.0** C
Alberta					
Dry white beans	0.0 s	0.0 s	…	0.0 s	0.0 s
Dry coloured beans	16.2 D	18.2 D	112.5	40.0 D	45.0 D
Black beans	F	F	…	F	F
Cranberry beans	0.0	F	…	0.0	F
Dark red kidney beans	F	0.0	…	F	0.0
Great Northern beans	6.1 D	F	…	15.0 D	F
Light red kidney beans	F	F	…	F	F
Pinto beans	5.7 D	8.1 D	142.9	14.0 D	20.0 D
Small red beans	F	F	…	F	F
Other dry beans	F	F	…	F	F
All dry beans	**16.2** D	**18.2** D	112.5	**40.0** D	**45.0** D
Green dry peas	x C	x C	…	x C	x C
Yellow dry peas	252.9 A	263.0 B	104.0	625.0 A	650.0 B
Other dry peas	F	F	…	F	F
All dry peas	**287.3** A	**323.7** B	112.7	**710.0** A	**800.0** 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
All lentils	**F**	**F**	…	**F**	**F**
Brown mustard seed	F	F	…	F	F
Oriental mustard seed	F	F	…	F	F
Yellow mustard seed	32.4 B	36.4 D	112.5	80.0 B	90.0 C
Other mustard seed	0.0	F	…	0.0	F
All mustard seed	**44.5** B	**50.6** C	113.6	**110.0** B	**125.0** C

See notes at the end of the table.

Table 3 – continued

June preliminary estimates of special crop areas by province and type, 2008 and 2009

	Seeded area [4]		Area as a percent of 2008	Seeded area [4]	
	2008	2009		2008	2009
	thousand of hectares			thousand of acres	
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	F	F	…	F	F
Other chick peas	F	F	…	F	F
All chick peas	**F**	**12.1** [D]	…	**F**	**30.0** [C]

4. For coefficient, see text table 2 p. 20.

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, dry 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 25,000 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 25 to June 3, 2009.

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 areas estimates, Canada, 1998 to 2008

Crop	Average change	Number of years June seeded areas are revised:	
		Upwards	Downwards
	%	number	
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 variation at the Canada level range from 1% to 5% for the major crops. Coefficient 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.