



# Field Crop Reporting Series



Statistics  
Canada

Statistique  
Canada

Canada

## How to obtain more information

For information about this product or the wide range of services and data available from Statistics Canada, visit our website at [www.statcan.ca](http://www.statcan.ca) or contact us by e-mail at [infostats@statcan.ca](mailto:infostats@statcan.ca) or by phone from 8:30am to 4:30pm Monday to Friday at (telephone: 1-800-465-1991 or by e-mail at: [agriculture@statcan.ca](mailto:agriculture@statcan.ca)):

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

|   |                |
|---|----------------|
| Inquiries line  | 1-800-263-1136 |
| National telecommunications device for the hearing impaired | 1-800-363-7629 |
| Fax line  | 1-877-287-4369 |
| Depository Services Program inquiries line                  | 1-800-635-7943 |
| Depository Services Program fax line                        | 1-800-565-7757 |

### **Statistics Canada national contact centre:**

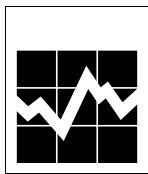
|          |                |
|----------|----------------|
| Fax line | 1-613-951-8116 |
|          | 1-613-951-0581 |

## Information to access the product

This product, catalogue no. 22-002-XIE, is available for free in electronic format. To obtain a single issue, visit our website at [www.statcan.ca](http://www.statcan.ca) and select Publications.

## Standards of service to the public

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



Statistics Canada  
Agriculture Division

# Field Crop Reporting Series

Published by authority of the Minister responsible for Statistics Canada

© Minister of Industry, 2007

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

August 2007

Catalogue no. 22-002-XIE, Vol. 86, no. 5

Frequency: Irregular

ISSN: 1488-9900

**Ottawa**

La version française de cette publication est disponible sur demande (n° 22-002-XIF au catalogue).

---

## Note of Appreciation

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

## Symbols

The following standard symbols are used in Statistics Canada publications:

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

This publication was prepared under the direction of:

- Dave Burroughs, Head, Crop Reporting Unit
- Dave Roeske, Economist, Crop Reporting Unit

## Table of contents

|  |    |
|--|----|
| Highlights .....   | 6  |
| Title .....  |    |
| Analysis section .....   | 7  |
| July 31 estimate of production of principal field crops, Canada.....                                 | 7  |
| Crop categories.....   | 10 |
| Tables .....   |    |
| Table 1 July 31 estimates of the 2007 production of principal field crops, Canada and Provinces..... | 11 |
| Table 2 July 31 estimates of the 2007 production of principal field crops, Canada and Provinces..... | 14 |
| Table 3 Estimates of the 2006 production of principal field crops, Canada and Provinces.....         | 17 |
| Table 4 Estimates of the 2006 production of principal field crops, Canada and Provinces.....         | 20 |
| Methodology and data quality .....   | 23 |
| Survey frame and sample selection.....   | 23 |
| Data collection.....   | 23 |
| Edit and imputation.....   | 23 |
| Response rate.....   | 23 |
| Sampling and non-sampling errors .....   | 23 |
| Estimation .....   | 24 |
| Revisions.....   | 24 |
| Data quality.....  | 24 |
| Data confidentiality .....   | 24 |

## Highlights

### **July 31 estimate of production of principal field crops, Canada**

- Prairie farmers reported that production of major crops, with the exception of spring wheat and flaxseed, should improve from 2006. In spite of the dry conditions in the East, grain corn production should be a record in both Ontario and Quebec.

## Analysis section

### **July 31 estimate of production of principal field crops, Canada**

Prairie farmers reported that production of major crops, with the exception of spring wheat and flaxseed, should improve from last year's estimates, the result of increases in harvested area. In spite of the dry conditions in the East, grain corn production should be a record in both Ontario and Quebec.

Data from the annual July Farm Survey, a preliminary survey of Canadian field crop production of 17,300 farmers conducted from July 27<sup>th</sup> to August 5<sup>th</sup> indicated that farmers are concerned about the effects of recent drought-like growing conditions in the Prairie Provinces.

Planting conditions varied in the Prairie Provinces with generally abundant to excessive levels of soil moisture this spring. As a result, crops in some areas were planted near the end of the seeding window for the 2007 growing season.

However, hot and dry conditions in July changed the production outlook with crop yields declining due to reduced topsoil moisture conditions. The situation was most evident in south central and south western Saskatchewan and in southern Alberta. At the time of this report, it is believed that rain could still help crops finish in many areas of the Prairie Provinces where the production of all feed grains, canola and durum wheat is expected to rise from 2006, while output of wheat excluding durum and flaxseed could fall. In some southern areas of southern Saskatchewan, the harvest has begun.

In Quebec and Ontario, dry conditions have been taking a toll on field crops. In spite of this, field corn production is still estimated to be a record in both provinces, the result of record harvested areas.

#### **Wheat excluding durum production could fall**

Prairie farmers reported that they expect to harvest 15.1 million tonnes of wheat excluding durum, a decline of 20.6% or 3.9 million tonnes from 2006. The 5-year average production is 16.3 million tonnes. Harvested area is expected to fall 16.6% and yield could drop 1.8 bushels per acre to 35.6 bushels per acre.

Production is expected to fall in all three Prairie Provinces, with declines ranging from 23.4% in Saskatchewan to 9.3% in Manitoba.

#### **Durum wheat production nudges up**

In the Prairies, durum production is expected to rise 6.1% to 3.5 million tonnes, an increase of 202,700 tonnes from 2006, the result of a strong increase in harvest area to 4.7 million acres. The 5-year average production estimate is 4.4 million tonnes.

Provincially, durum production rose by 9.0% in Saskatchewan to an estimate of 2.9 million tonnes, while production may fall in Alberta by 6.0% to 617,800 tonnes. The vast majority of Canadian durum wheat is grown in Saskatchewan.

## **Canola and flaxseed production move in opposite directions**

Prairie canola production should rise this year, while flaxseed production is expected to fall.

Prairie canola production could rise 190,300 tonnes to an estimated 9.2 million tonnes, the result of an expected record harvest area of 14.2 million acres. The previous record was 14.1 million acres reported in 1994.

Manitoba production could be a record 2.0 million tonnes, exceeding last year's record of 1.8 million tonnes. A record harvested area of 2.8 million acres is responsible for the jump. Saskatchewan canola production should rise 13.6% to 4.2 million tonnes, the result of an increase in harvested area to a record 7.0 million acres. The previous record of 6.6 million acres was set in 1999. On the other hand, Alberta farmers reported a possible reduction in canola production of 12.7% to 3.0 million tonnes. This is the result of a drop in yield to 30.0 bushels per acre, an estimate below the 5-year average of 31.4 bushels per acre.

In spite of the hot and dry conditions experienced in the Prairies, some experts point out that new canola seed varieties are more heat tolerant reducing yield losses in adverse conditions.

## **Feed grain production should rise across the Prairies**

The production of barley, oats and field peas should all rise this year in the Prairie Provinces, the result of strong increases in harvested area.

Prairie barley production should rise to above average levels this year, the result of increased estimated harvest area and an average cut for silage. Production is estimated at 11.1 million tonnes, up 2.3 million tonnes from 2006, well above the 5-year average of 9.7 million tonnes. Yields will continue to be above average at 54.6 bushels per acre. Farmers in all three Prairie Provinces reported that they expect production to increase this year.

Oat production in the Prairie Provinces should rise 34.7% to 4.6 million tonnes, an increase of 1.2 million tonnes from 2006. A rise in yield and a 25.0% increase in harvest area were responsible for the rise. The 5-year production average is 2.9 million tonnes. Production increases should occur in all three Prairie Provinces, with increases ranging from 49.8% in Saskatchewan to 8.1% in Alberta.

Dry field pea production should rise 17.3% to 3.0 million tonnes, an increase of 435,600 tonnes. A similar increase in harvested area to a record 3.6 million acres was responsible for the increase. The record is 3.1 million tonnes set in 2004.

Provincially, the results were mixed. Saskatchewan farmers reported a potential 25.0% increase in production to 2.3 million tonnes, the result of a record harvest area of 2.9 million acres. The previous record was 2.5 million acres set in 2005. On the other hand, farmers in Manitoba reported a 12.1% decrease in production to 91,000 tonnes, and Alberta farmers reported a potential 3.1% decline to 535,300 tonnes. These declines were due to anticipated decreases in yield this year.

## **Ontario, Quebec farmers should produce record grain corn, fewer soybeans**

Farmers in Ontario and Quebec expect to produce a record amount of corn for grain this year, in spite of the excessive dryness being experienced in many areas.



Quebec farmers may produce a record 3.6 million tonnes of corn for grain this year, an increase of 33.3% or 900,000 tonnes. The previous record was 3.5 million tonnes set in 2003. An increase in expected yield of 13.3 bushels per acre and a record harvested area of 1.1 million acres were responsible.

In Ontario, corn for grain production could increase to a record 6.4 million tonnes, an increase of 9.1% or 533,400 tonnes. The previous record was 6.0 million tonnes set in 1998. This increase was the result of a 35.2% increase in the harvested area.

Soybean production in Quebec and Ontario is expected to fall in both provinces.

In Quebec, production is forecast to drop 9.3% to 485,000 tonnes, the result of a comparable percentage drop in harvested area. The 5-year average for Quebec soybean production is 453,000.

Ontario farmers expect a drop in production of 18.4% to 2.2 million tonnes, the result of a 9.8 bushel per acre drop in yield. The 5-year average production estimate is 2.3 million tonnes.

## Crop categories

Definitions of the crop categories referenced in Report No. 5, 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, lentils, mustard seed, sunflower seed, Canary seed, dry white beans, coloured beans and chick peas.

**Table 1 July 31 estimates of the 2007 production of principal field crops, Canada and provinces**

| Province and crop           | Area           |                | Metric yield          | Production         |
|-----------------------------|----------------|----------------|-----------------------|--------------------|
|                             | Seeded         | Harvested      | on harvested area     | 2007               |
|                             | '000 hectares  |                | kilograms per hectare | '000 metric tonnes |
| <b>Canada</b>               |                |                |                       |                    |
| Winter wheat <sup>1</sup>   | 687.6          | 687.6          | 3900                  | 2,674.5            |
| Spring wheat                | 6,155.6        | 6,021.9        | 2300                  | 14,098.5           |
| Durum wheat                 | 1,948.6        | 1,904.1        | 1900                  | 3,548.9            |
| <b>All wheat</b>            | <b>8,791.8</b> | <b>8,613.6</b> | <b>2400</b>           | <b>20,321.9</b>    |
| Oats                        | 2,181.7        | 1,871.7        | 2700                  | 5,086.9            |
| Barley                      | 4,398.0        | 4,008.9        | 3000                  | 11,847.7           |
| Fall rye <sup>1</sup>       | 127.4          | 123.4          | 2200                  | 277.4              |
| Mixed grains                | 170.0          | 104.8          | 2900                  | 298.7              |
| Flaxseed <sup>2</sup>       | 528.0          | 515.9          | 1200                  | 642.1              |
| Canola                      | 5,902.7        | 5,797.4        | 1600                  | 9,242.1            |
| Corn for grain              | 1,386.7        | 1,372.6        | 7700                  | 10,572.6           |
| Dry Peas                    | 1,469.0        | 1,444.7        | 2000                  | 2,953.2            |
| Soybeans                    | 1,180.1        | 1,166.0        | 2400                  | 2,848.4            |
| Dry white beans             | 56.7           | 56.7           | 1900                  | 105.0              |
| Coloured dry beans          | 92.5           | 92.1           | 2000                  | 181.8              |
| <b>Prince Edward Island</b> |                |                |                       |                    |
| Winter wheat <sup>1</sup>   | 1.6            | 1.6            | 3100                  | 4.9                |
| Spring wheat                | 7.7            | 7.7            | 3000                  | 23.3               |
| <b>All wheat</b>            | <b>9.3</b>     | <b>9.3</b>     | <b>3000</b>           | <b>28.2</b>        |
| Oats                        | 3.6            | 3.6            | 2700                  | 9.7                |
| Barley                      | 34.4           | 34.2           | 3200                  | 110.4              |
| Mixed grains                | 5.3            | 4.9            | 2700                  | 13.1               |
| Soybeans                    | 4.5            | 4.5            | 2700                  | 12.0               |
| <b>Nova Scotia</b>          |                |                |                       |                    |
| Winter wheat <sup>1</sup>   | 0.8            | 0.8            | 3800                  | 3.0                |
| Spring wheat                | 0.8            | 0.8            | 3800                  | 3.0                |
| <b>All wheat</b>            | <b>1.6</b>     | <b>1.6</b>     | <b>3800</b>           | <b>6.0</b>         |
| Oats                        | 2.2            | 2.0            | 2300                  | 4.6                |
| Barley                      | 2.8            | 2.8            | 2500                  | 6.9                |
| Corn for grain              | 4.0            | 4.0            | 7300                  | 29.2               |
| <b>New Brunswick</b>        |                |                |                       |                    |
| Winter wheat <sup>1</sup>   | 0.2            | 0.2            | 3000                  | 0.6                |
| Spring wheat                | 1.6            | 1.6            | 2800                  | 4.4                |
| <b>All wheat</b>            | <b>1.8</b>     | <b>1.8</b>     | <b>2800</b>           | <b>5.0</b>         |
| Oats                        | 10.1           | 9.9            | 2500                  | 24.6               |
| Barley                      | 14.6           | 14.6           | 2400                  | 35.3               |
| Corn for grain              | 2.0            | 2.0            | 7000                  | 14.0               |
| <b>Quebec</b>               |                |                |                       |                    |
| Winter wheat <sup>1</sup>   | 3.1            | 3.1            | 3200                  | 9.8                |
| Spring wheat                | 53.0           | 53.0           | 3500                  | 185.0              |
| <b>All wheat</b>            | <b>56.1</b>    | <b>56.1</b>    | <b>3500</b>           | <b>194.8</b>       |

See footnotes at end of table 4.

**Table 1 July 31 estimates of the 2007 production of principal field crops, Canada and provinces (continued)**

| Province and crop         | Area           |                | Metric                                     | Production<br>2007 |
|---------------------------|----------------|----------------|--|--------------------|
|                           | Seeded         | Harvested      | yield                                      |                    |
|                           | '000 hectares  |                | on harvested area<br>kilograms per hectare | '000 metric tonnes |
| <b>Quebec</b>             |                |                |  |                    |
| Oats                      | 108.0          | 106.0          | 2800                                       | 299.0              |
| Barley                    | 95.0           | 94.5           | 3500                                       | 330.0              |
| Mixed grains              | 25.0           | 23.0           | 3100                                       | 72.0               |
| Canola                    | 6.5            | 6.5            | 2000                                       | 13.0               |
| Corn for grain            | 450.0          | 448.0          | 8000                                       | 3,600.0            |
| Soybeans                  | 176.0          | 176.0          | 2800                                       | 485.0              |
| Total dry beans           | 6.5            | 6.5            | 2400                                       | 15.5               |
| <b>Ontario</b>            |                |                |  |                    |
| Winter wheat <sup>1</sup> | 236.7          | 236.7          | 4800                                       | 1,134.9            |
| Spring wheat              | 72.8           | 70.8           | 3200                                       | 228.6              |
| <b>All wheat</b>          | <b>309.5</b>   | <b>307.5</b>   | <b>4400</b>                                | <b>1,363.5</b>     |
| Oats                      | 40.5           | 36.4           | 2400                                       | 87.9               |
| Barley                    | 68.8           | 64.7           | 3300                                       | 215.5              |
| Fall rye <sup>1</sup>     | 18.2           | 18.2           | 2100                                       | 38.7               |
| Mixed grains              | 56.7           | 50.6           | 2900                                       | 145.1              |
| Canola                    | 20.2           | 20.2           | 2200                                       | 43.7               |
| Corn for grain            | 849.8          | 839.7          | 7600                                       | 6,401.1            |
| Soybeans                  | 906.5          | 894.4          | 2400                                       | 2,177.2            |
| Dry white beans           | 32.4           | 32.4           | 2000                                       | 63.5               |
| Coloured dry beans        | 28.3           | 28.3           | 1900                                       | 53.4               |
| <b>Manitoba</b>           |                |                |  |                    |
| Winter wheat <sup>1</sup> | 182.1          | 182.1          | 4300                                       | 781.1              |
| Spring wheat              | 1,005.6        | 993.4          | 2700                                       | 2,659.3            |
| <b>All wheat</b>          | <b>1,187.7</b> | <b>1,175.5</b> | <b>2900</b>                                | <b>3,440.4</b>     |
| Oats                      | 424.9          | 398.6          | 3100                                       | 1,230.7            |
| Barley                    | 412.8          | 384.5          | 3500                                       | 1,336.8            |
| Fall rye <sup>1</sup>     | 28.3           | 28.3           | 2300                                       | 66.0               |
| Mixed grains              | 6.1            | 4.0            | 2000                                       | 7.9                |
| Flaxseed <sup>2</sup>     | 80.9           | 78.9           | 1400                                       | 109.9              |
| Canola                    | 1,133.1        | 1,116.9        | 1800                                       | 1,960.7            |
| Corn for grain            | 80.9           | 78.9           | 6700                                       | 528.3              |
| Dry Peas                  | 38.5           | 36.4           | 2500                                       | 91.0               |
| Soybeans                  | 93.1           | 91.1           | 1900                                       | 174.2              |
| Dry white beans           | 24.3           | 24.3           | 1700                                       | 41.5               |
| Coloured dry beans        | 36.3           | 36.3           | 1800                                       | 63.7               |
| Sunflower seeds           | 76.9           | 74.9           | 1700                                       | 130.2              |
| <b>Saskatchewan</b>       |                |                |  |                    |
| Winter wheat <sup>1</sup> | 186.2          | 186.2          | 2700                                       | 508.9              |
| Spring wheat              | 3,029.1        | 2,990.6        | 2000                                       | 5,935.6            |
| Durum wheat               | 1,639.0        | 1,602.6        | 1800                                       | 2,931.1            |
| <b>All wheat</b>          | <b>4,854.3</b> | <b>4,779.4</b> | <b>2000</b>                                | <b>9,375.6</b>     |
| Oats                      | 1,133.1        | 1,011.7        | 2600                                       | 2,587.1            |
| Barley                    | 1,780.6        | 1,659.2        | 2700                                       | 4,406.7            |
| Fall rye <sup>1</sup>     | 52.6           | 52.6           | 2100                                       | 113.0              |

See footnotes at end of table 4.

**Table 1 July 31 estimates of the 2007 production of principal field crops, Canada and provinces (concluded)**

| Province and crop         | Area           |                | Metric                                     | Production         |
|---------------------------|----------------|----------------|--|--------------------|
|                           | Seeded         | Harvested      | yield                                      | 2007               |
|                           | '000 hectares  |                | on harvested area<br>kilograms per hectare | '000 metric tonnes |
| <b>Saskatchewan</b>       |                |                |  |                    |
| Mixed grains              | 16.2           | 6.1            | 1100                                       | 6.5                |
| Flaxseed <sup>2</sup>     | 435.0          | 424.9          | 1200                                       | 513.1              |
| Canola                    | 2,893.5        | 2,844.9        | 1500                                       | 4,200.3            |
| Dry Peas                  | 1,183.7        | 1,165.5        | 2000                                       | 2,326.9            |
| Lentils                   | 540.2          | 532.2          | 1300                                       | 698.1              |
| Mustard seed              | 141.6          | 139.5          | 900  | 122.0              |
| Canary seed               | 172.0          | 163.9          | 1100                                       | 181.4              |
| Chick peas                | 153.8          | 153.8          | 1300                                       | 191.8              |
| <b>Alberta</b>            |                |                |  |                    |
| Winter wheat <sup>1</sup> | 76.9           | 76.9           | 3000                                       | 231.3              |
| Spring wheat              | 1,968.8        | 1,887.8        | 2700                                       | 5,019.9            |
| Durum wheat               | 309.6          | 301.5          | 2000                                       | 617.8              |
| <b>All wheat</b>          | <b>2,355.3</b> | <b>2,266.2</b> | <b>2600</b>                                | <b>5,869.0</b>     |
| Oats                      | 424.9          | 277.2          | 2800                                       | 763.4              |
| Barley                    | 1,962.7        | 1,732.1        | 3100                                       | 5,356.0            |
| Fall rye <sup>1</sup>     | 28.3           | 24.3           | 2500                                       | 59.7               |
| Mixed grains              | 56.7           | 16.2           | 3300                                       | 54.1               |
| Flaxseed <sup>2</sup>     | 12.1           | 12.1           | 1600                                       | 19.1               |
| Canola                    | 1,821.1        | 1,780.6        | 1700                                       | 2,989.2            |
| Dry Peas                  | 246.8          | 242.8          | 2200                                       | 535.3              |
| Coloured dry beans        | 21.4           | 21.0           | 2300                                       | 49.2               |
| Mustard seed              | 34.4           | 32.4           | 1000                                       | 31.9               |
| Chick peas                | 20.2           | 20.2           | 1200                                       | 25.1               |
| <b>British Columbia</b>   |                |                |  |                    |
| Spring wheat              | 16.2           | 16.2           | 2400                                       | 39.4               |
| Oats                      | 34.4           | 26.3           | 3000                                       | 79.9               |
| Barley                    | 26.3           | 22.3           | 2200                                       | 50.1               |
| Canola                    | 28.3           | 28.3           | 1200                                       | 35.2               |
| <b>Western Canada</b>     |                |                |  |                    |
| Winter wheat <sup>1</sup> | 445.2          | 445.2          | 3400                                       | 1,521.3            |
| Spring wheat              | 6,019.7        | 5,888.0        | 2300                                       | 13,654.2           |
| Durum wheat               | 1,948.6        | 1,904.1        | 1900                                       | 3,548.9            |
| <b>All wheat</b>          | <b>8,413.5</b> | <b>8,237.3</b> | <b>2300</b>                                | <b>18,724.4</b>    |
| Oats                      | 2,017.3        | 1,713.8        | 2700                                       | 4,661.1            |
| Barley                    | 4,182.4        | 3,798.1        | 2900                                       | 11,149.6           |
| Fall rye <sup>1</sup>     | 109.2          | 105.2          | 2300                                       | 238.7              |
| Flaxseed <sup>2</sup>     | 528.0          | 515.9          | 1200                                       | 642.1              |
| Canola                    | 5,876.0        | 5,770.7        | 1600                                       | 9,185.4            |
| Dry Peas                  | 1,469.0        | 1,444.7        | 2000                                       | 2,953.2            |

See footnotes at end of table 4.

**Table 2 July 31 estimates of the 2007 production of principal field crops, Canada and provinces**

| Province and crop           | Area              |                 | Imperial          | Production      |
|-----------------------------|-------------------|-----------------|-------------------|-----------------|
|                             | Seeded            | Harvested       | yield             | 2007            |
|                             | '000 acres        |                 | on harvested area |                 |
|                             |                   |                 | bushels per acre  | '000 bushels    |
| <b>Canada</b>               |                   |                 |                   |                 |
| Winter wheat <sup>1</sup>   | 1,699.2           | 1,699.2         | 57.8              | 98,273          |
| Spring wheat                | 15,211.0          | 14,881.0        | 34.8              | 518,033         |
| Durum wheat                 | 4,815.0           | 4,705.0         | 27.7              | 130,400         |
| <b>All wheat</b>            | <b>21,725.1</b>   | <b>21,285.1</b> | <b>35.1</b>       | <b>746,706</b>  |
| Oats                        | 5,391.4           | 4,625.4         | 71.3              | 329,841         |
| Barley                      | 10,867.8          | 9,906.0         | 54.9              | 544,162         |
| Fall rye <sup>1</sup>       | 315.0             | 305.0           | 35.8              | 10,925          |
| Mixed grains                | 419.8             | 258.8           | 60.3              | 15,602          |
| Flaxseed <sup>2</sup>       | 1,305.0           | 1,275.0         | 19.8              | 25,275          |
| Canola                      | 14,586.1          | 14,326.1        | 28.4              | 407,498         |
| Corn for grain              | 3,427.0           | 3,392.0         | 122.7             | 416,226         |
| Dry Peas                    | 3,630.0           | 3,570.0         | 30.4              | 108,510         |
| Soybeans                    | 2,915.9           | 2,880.9         | 36.3              | 104,661         |
|                             | <b>'000 acres</b> |                 | <b>cwt/acre</b>   | <b>'000 cwt</b> |
| Dry white beans             | 140.0             | 140.0           | 16.5              | 2,315           |
| Coloured dry beans          | 229.1             | 228.1           | 17.6              | 4,007           |
| <b>Prince Edward Island</b> |                   |                 |                   |                 |
| Winter wheat <sup>1</sup>   | 4.0               | 4.0             | 45.0              | 180             |
| Spring wheat                | 19.0              | 19.0            | 45.0              | 855             |
| <b>All wheat</b>            | <b>23.0</b>       | <b>23.0</b>     | <b>45.0</b>       | <b>1,035</b>    |
| Oats                        | 9.0               | 9.0             | 70.0              | 630             |
| Barley                      | 85.0              | 84.5            | 60.0              | 5,070           |
| Mixed grains                | 13.0              | 12.0            | 60.0              | 720             |
| Soybeans                    | 11.0              | 11.0            | 40.0              | 440             |
| <b>Nova Scotia</b>          |                   |                 |                   |                 |
| Winter wheat <sup>1</sup>   | 2.0               | 2.0             | 55.0              | 110             |
| Spring wheat                | 2.0               | 2.0             | 55.0              | 110             |
| <b>All wheat</b>            | <b>4.0</b>        | <b>4.0</b>      | <b>55.0</b>       | <b>220</b>      |
| Oats                        | 5.5               | 5.0             | 60.0              | 300             |
| Barley                      | 7.0               | 7.0             | 45.0              | 315             |
| Corn for grain              | 10.0              | 10.0            | 115.0             | 1,150           |
| <b>New Brunswick</b>        |                   |                 |                   |                 |
| Winter wheat <sup>1</sup>   | 0.5               | 0.5             | 46.0              | 23              |
| Spring wheat                | 4.0               | 4.0             | 40.0              | 160             |
| <b>All wheat</b>            | <b>4.5</b>        | <b>4.5</b>      | <b>40.7</b>       | <b>183</b>      |
| Oats                        | 25.0              | 24.5            | 65.0              | 1,593           |
| Barley                      | 36.0              | 36.0            | 45.0              | 1,620           |
| Corn for grain              | 5.0               | 5.0             | 110.0             | 550             |
| <b>Quebec</b>               |                   |                 |                   |                 |
| Winter wheat <sup>1</sup>   | 7.7               | 7.7             | 47.0              | 360             |
| Spring wheat                | 131.0             | 131.0           | 51.9              | 6,798           |
| <b>All wheat</b>            | <b>138.6</b>      | <b>138.6</b>    | <b>51.6</b>       | <b>7,158</b>    |

See footnotes at end of table 4.

**Table 2 July 31 estimates of the 2007 production of principal field crops, Canada and provinces (continued)**

| Province and crop         | Area              |                 | Imperial                   | Production         |
|---------------------------|-------------------|-----------------|----------------------------|--------------------|
|                           | Seeded            | Harvested       | yield<br>on harvested area | 2007               |
|                           | '000 acres        |                 | bushels per acre           | '000 bushels       |
| <b>Quebec</b>             |                   |                 |                            |                    |
| Oats                      | 266.9             | 261.9           | 74.0                       | 19,388             |
| Barley                    | 234.8             | 233.5           | 64.9                       | 15,157             |
| Mixed grains              | 61.8              | 56.8            | 62.1                       | 3,527              |
| Canola                    | 16.1              | 16.1            | 35.7                       | 573                |
| Corn for grain            | 1,112.0           | 1,107.0         | 128.0                      | 141,726            |
| Soybeans                  | 434.9             | 434.9           | 41.0                       | 17,821             |
|                           | <b>'000 acres</b> |                 | <b>cwt/acre</b>            | <b>'000 cwt</b>    |
| Total dry beans           | 16.1              | 16.1            | 21.3                       | 342                |
| <b>Ontario</b>            |                   |                 |                            |                    |
| Winter wheat <sup>1</sup> | 585.0             | 585.0           | 71.3                       | 41,700             |
| Spring wheat              | 180.0             | 175.0           | 48.0                       | 8,400              |
| <b>All wheat</b>          | <b>765.0</b>      | <b>760.0</b>    | <b>65.9</b>                | <b>50,100</b>      |
| Oats                      | 100.0             | 90.0            | 63.3                       | 5,700              |
| Barley                    | 170.0             | 160.0           | 61.9                       | 9,900              |
| Fall rye <sup>1</sup>     | 45.0              | 45.0            | 33.9                       | 1,525              |
| Mixed grains              | 140.0             | 125.0           | 64.0                       | 8,000              |
| Canola                    | 50.0              | 50.0            | 38.5                       | 1,925              |
| Corn for grain            | 2,100.0           | 2,075.0         | 121.4                      | 252,000            |
| Soybeans                  | 2,240.0           | 2,210.0         | 36.2                       | 80,000             |
|                           | <b>'000 acres</b> |                 | <b>cwt/acre</b>            | <b>'000 cwt</b>    |
| Dry white beans           | 80.0              | 80.0            | 17.5                       | 1,400              |
| Coloured dry beans        | 70.0              | 70.0            | 16.8                       | 1,175              |
| <b>Manitoba</b>           |                   |                 |                            |                    |
| Winter wheat <sup>1</sup> | 450.0             | 450.0           | 63.8                       | 28,700             |
| Spring wheat              | 2,485.0           | 2,455.0         | 39.8                       | 97,710             |
| <b>All wheat</b>          | <b>2,935.0</b>    | <b>2,905.0</b>  | <b>43.5</b>                | <b>126,410</b>     |
| Oats                      | 1,050.0           | 985.0           | 81.0                       | 79,800             |
| Barley                    | 1,020.0           | 950.0           | 64.6                       | 61,400             |
| Fall rye <sup>1</sup>     | 70.0              | 70.0            | 37.1                       | 2,600              |
| Mixed grains              | 15.0              | 10.0            | 38.5                       | 385                |
| Flaxseed <sup>2</sup>     | 200.0             | 195.0           | 22.2                       | 4,325              |
| Canola                    | 2,800.0           | 2,760.0         | 31.3                       | 86,450             |
| Corn for grain            | 200.0             | 195.0           | 106.7                      | 20,800             |
| Dry Peas                  | 95.0              | 90.0            | 37.2                       | 3,345              |
| Soybeans                  | 230.0             | 225.0           | 28.4                       | 6,400              |
|                           | <b>'000 acres</b> |                 | <b>cwt/acre</b>            | <b>'000 cwt</b>    |
| Dry white beans           | 60.0              | 60.0            | 15.3                       | 915                |
| Coloured dry beans        | 90.0              | 90.0            | 15.6                       | 1,405              |
|                           | <b>'000 acres</b> |                 | <b>pounds/acre</b>         | <b>'000 pounds</b> |
| Sunflower seeds           | 190.0             | 185.0           | 1551                       | 287,000            |
| <b>Saskatchewan</b>       |                   |                 |                            |                    |
| Winter wheat <sup>1</sup> | 460.0             | 460.0           | 40.7                       | 18,700             |
| Spring wheat              | 7,485.0           | 7,390.0         | 29.5                       | 218,100            |
| Durum wheat               | 4,050.0           | 3,960.0         | 27.2                       | 107,700            |
| <b>All wheat</b>          | <b>11,995.0</b>   | <b>11,810.0</b> | <b>29.2</b>                | <b>344,500</b>     |
| Oats                      | 2,800.0           | 2,500.0         | 67.1                       | 167,750            |
| Barley                    | 4,400.0           | 4,100.0         | 49.4                       | 202,400            |
| Fall rye <sup>1</sup>     | 130.0             | 130.0           | 34.2                       | 4,450              |

See footnotes at end of table 4.

**Table 2 July 31 estimates of the 2007 production of principal field crops, Canada and provinces (concluded)**

| Province and crop         | Area              |                 | Imperial                              | Production         |
|---------------------------|-------------------|-----------------|---------------------------------------|--------------------|
|                           | Seeded            | Harvested       | yield                                 | 2007               |
|                           | '000 acres        | '000 acres      | on harvested area<br>bushels per acre | '000 bushels       |
| <b>Saskatchewan</b>       |                   |                 |                                       |                    |
| Mixed grains              | 40.0              | 15.0            | 21.3                                  | 320                |
| Flaxseed <sup>2</sup>     | 1,075.0           | 1,050.0         | 19.2                                  | 20,200             |
| Canola                    | 7,150.0           | 7,030.0         | 26.3                                  | 185,200            |
| Dry Peas                  | 2,925.0           | 2,880.0         | 29.7                                  | 85,500             |
|                           | <b>'000 acres</b> |                 | <b>pounds/acre</b>                    | <b>'000 pounds</b> |
| Lentils                   | 1,335.0           | 1,315.0         | 1170                                  | 1,539,100          |
| Mustard seed              | 350.0             | 345.0           | 780                                   | 269,000            |
| Canary seed               | 425.0             | 405.0           | 987                                   | 399,900            |
| Chick peas                | 380.0             | 380.0           | 1113                                  | 423,100            |
| <b>Alberta</b>            |                   |                 |                                       |                    |
| Winter wheat <sup>1</sup> | 190.0             | 190.0           | 44.7                                  | 8,500              |
| Spring wheat              | 4,865.0           | 4,665.0         | 39.5                                  | 184,450            |
| Durum wheat               | 765.0             | 745.0           | 30.5                                  | 22,700             |
| <b>All wheat</b>          | <b>5,820.0</b>    | <b>5,600.0</b>  | <b>38.5</b>                           | <b>215,650</b>     |
| Oats                      | 1,050.0           | 685.0           | 72.3                                  | 49,500             |
| Barley                    | 4,850.0           | 4,280.0         | 57.5                                  | 246,000            |
| Fall rye <sup>1</sup>     | 70.0              | 60.0            | 39.2                                  | 2,350              |
| Mixed grains              | 140.0             | 40.0            | 66.3                                  | 2,650              |
| Flaxseed <sup>2</sup>     | 30.0              | 30.0            | 25.0                                  | 750                |
| Canola                    | 4,500.0           | 4,400.0         | 30.0                                  | 131,800            |
| Dry Peas                  | 610.0             | 600.0           | 32.8                                  | 19,665             |
|                           | <b>'000 acres</b> |                 | <b>cwt/acre</b>                       | <b>'000 cwt</b>    |
| Coloured dry beans        | 53.0              | 52.0            | 20.9                                  | 1,085              |
|                           | <b>'000 acres</b> |                 | <b>pounds/acre</b>                    | <b>'000 pounds</b> |
| Mustard seed              | 85.0              | 80.0            | 880                                   | 70,400             |
| Chick peas                | 50.0              | 50.0            | 1106                                  | 55,300             |
| <b>British Columbia</b>   |                   |                 |                                       |                    |
| Spring wheat              | 40.0              | 40.0            | 36.3                                  | 1,450              |
| Oats                      | 85.0              | 65.0            | 79.7                                  | 5,180              |
| Barley                    | 65.0              | 55.0            | 41.8                                  | 2,300              |
| Canola                    | 70.0              | 70.0            | 22.1                                  | 1,550              |
| <b>Western Canada</b>     |                   |                 |                                       |                    |
| Winter wheat <sup>1</sup> | 1,100.0           | 1,100.0         | 50.8                                  | 55,900             |
| Spring wheat              | 14,875.0          | 14,550.0        | 34.5                                  | 501,710            |
| Durum wheat               | 4,815.0           | 4,705.0         | 27.7                                  | 130,400            |
| <b>All wheat</b>          | <b>20,790.0</b>   | <b>20,355.0</b> | <b>33.8</b>                           | <b>688,010</b>     |
| Oats                      | 4,985.0           | 4,235.0         | 71.4                                  | 302,230            |
| Barley                    | 10,335.0          | 9,385.0         | 54.6                                  | 512,100            |
| Fall rye <sup>1</sup>     | 270.0             | 260.0           | 36.2                                  | 9,400              |
| Flaxseed <sup>2</sup>     | 1,305.0           | 1,275.0         | 19.8                                  | 25,275             |
| Canola                    | 14,520.0          | 14,260.0        | 28.4                                  | 405,000            |
| Dry Peas                  | 3,630.0           | 3,570.0         | 30.4                                  | 108,510            |

See footnotes at end of table 4.



**Table 3** Estimates of the 2006 production of principal field crops, Canada and provinces

| Province and crop           | Area           |                | Metric yield          | Production         |
|-----------------------------|----------------|----------------|-----------------------|--------------------|
|                             | Seeded         | Harvested      | on harvested area     | 2006               |
|                             | '000 hectares  |                | kilograms per hectare | '000 metric tonnes |
| <b>Canada</b>               |                |                |                       |                    |
| Winter wheat <sup>1</sup>   | 692.5          | 685.0          | 4800                  | 3,301.9            |
| Spring wheat                | 7,585.0        | 7,479.3        | 2500                  | 18,617.3           |
| Durum wheat                 | 1,536.0        | 1,517.5        | 2200                  | 3,346.2            |
| <b>All wheat</b>            | <b>9,813.5</b> | <b>9,681.8</b> | <b>2600</b>           | <b>25,265.4</b>    |
| Oats                        | 2,063.5        | 1,536.8        | 2500                  | 3,852.2            |
| Barley                      | 3,689.9        | 3,222.9        | 3000                  | 9,573.1            |
| Fall rye <sup>1</sup>       | 195.1          | 163.9          | 2300                  | 382.9              |
| Mixed grains                | 335.7          | 129.6          | 2700                  | 346.5              |
| Flaxseed <sup>2</sup>       | 804.8          | 785.2          | 1300                  | 988.8              |
| Canola                      | 5,283.3        | 5,238.2        | 1700                  | 9,000.3            |
| Corn for grain              | 1,093.1        | 1,060.9        | 8500                  | 8,989.8            |
| Dry Peas                    | 1,260.5        | 1,230.5        | 2000                  | 2,519.9            |
| Soybeans                    | 1,213.5        | 1,201.2        | 2900                  | 3,465.5            |
| Dry white beans             | 76.9           | 75.8           | 2100                  | 159.7              |
| Coloured dry beans          | 101.3          | 100.3          | 2100                  | 212.9              |
| <b>Prince Edward Island</b> |                |                |                       |                    |
| Winter wheat <sup>1</sup>   | 2.0            | 2.0            | 2900                  | 5.7                |
| Spring wheat                | 9.3            | 8.9            | 2800                  | 24.5               |
| <b>All wheat</b>            | <b>11.3</b>    | <b>10.9</b>    | <b>2800</b>           | <b>30.2</b>        |
| Oats                        | 5.1            | 5.1            | 2400                  | 12.3               |
| Barley                      | 32.1           | 31.8           | 2500                  | 80.3               |
| Mixed grains                | 4.1            | 3.8            | 2500                  | 9.5                |
| Soybeans                    | 4.6            | 4.6            | 2400                  | 11.1               |
| <b>Nova Scotia</b>          |                |                |                       |                    |
| Winter wheat <sup>1</sup>   | 1.9            | 1.9            | 3400                  | 6.4                |
| Spring wheat                | 0.6            | 0.5            | 3600                  | 1.8                |
| <b>All wheat</b>            | <b>2.5</b>     | <b>2.4</b>     | <b>3400</b>           | <b>8.2</b>         |
| Oats                        | 2.4            | 2.1            | 2100                  | 4.4                |
| Barley                      | 2.9            | 2.4            | 2300                  | 5.4                |
| Corn for grain              | 3.1            | 3.1            | 6700                  | 20.9               |
| <b>New Brunswick</b>        |                |                |                       |                    |
| Winter wheat <sup>1</sup>   | 0.2            | 0.2            | 3000                  | 0.6                |
| Spring wheat                | 1.2            | 1.1            | 2000                  | 2.2                |
| <b>All wheat</b>            | <b>1.4</b>     | <b>1.3</b>     | <b>2200</b>           | <b>2.8</b>         |
| Oats                        | 10.1           | 9.8            | 2400                  | 23.5               |
| Barley                      | 13.5           | 12.1           | 2300                  | 27.4               |
| Corn for grain              | 1.8            | 1.7            | 6800                  | 11.6               |
| Mixed grains                | 0.4            | 0.4            | 2300                  | 0.9                |
| <b>Quebec - Québec</b>      |                |                |                       |                    |
| Winter wheat <sup>1</sup>   | 3.4            | 3.4            | 3500                  | 11.9               |
| Spring wheat                | 52.6           | 51.0           | 2900                  | 148.5              |
| <b>All wheat</b>            | <b>56.0</b>    | <b>54.4</b>    | <b>2900</b>           | <b>160.4</b>       |

See footnotes at end of table 4.

**Table 3** Estimates of the 2006 production of principal field crops, Canada and provinces (continued)

| Province and crop         | Area              |                | Metric                | Production<br>2006 |
|---------------------------|-------------------|----------------|-----------------------|--------------------|
|                           | Seeded            | Harvested      | yield                 |                    |
|                           | on harvested area |                |                       |                    |
|                           | '000 hectares     |                | kilograms per hectare | '000 metric tonnes |
| <b>Quebec</b>             |                   |                |                       |                    |
| Oats                      | 125.7             | 111.5          | 2400                  | 270.0              |
| Barley                    | 105.8             | 103.0          | 2900                  | 301.5              |
| Fall rye <sup>1</sup>     | 2.3               | 2.0            | 2200                  | 4.4                |
| Mixed grains              | 26.9              | 23.0           | 2500                  | 58.3               |
| Canola                    | 6.2               | 5.6            | 2100                  | 11.8               |
| Corn for grain            | 387.0             | 375.0          | 7200                  | 2,700.0            |
| Soybeans                  | 194.5             | 193.0          | 2800                  | 535.0              |
| Total dry beans           | 6.8               | 6.6            | 1900                  | 12.4               |
| <b>Ontario</b>            |                   |                |                       |                    |
| Winter wheat <sup>1</sup> | 416.2             | 414.8          | 5600                  | 2,340.5            |
| Spring wheat              | 83.7              | 83.0           | 3400                  | 280.3              |
| <b>All wheat</b>          | <b>499.9</b>      | <b>497.8</b>   | <b>5300</b>           | <b>2,620.8</b>     |
| Oats                      | 53.4              | 44.5           | 2500                  | 113.4              |
| Barley                    | 89.4              | 85.0           | 3400                  | 290.7              |
| Fall rye <sup>1</sup>     | 25.6              | 20.2           | 2300                  | 45.7               |
| Mixed grains              | 70.2              | 56.7           | 3000                  | 167.8              |
| Canola                    | 7.5               | 6.1            | 2300                  | 14.2               |
| Corn for grain            | 638.5             | 621.2          | 9400                  | 5,867.7            |
| Soybeans                  | 872.5             | 862.0          | 3100                  | 2,667.1            |
| Dry white beans           | 37.3              | 36.4           | 2300                  | 83.5               |
| Coloured dry beans        | 28.8              | 28.3           | 2200                  | 62.4               |
| <b>Manitoba</b>           |                   |                |                       |                    |
| Winter wheat <sup>1</sup> | 121.1             | 121.0          | 4200                  | 505.4              |
| Spring wheat              | 1,206.0           | 1,202.3        | 2700                  | 3,289.5            |
| <b>All wheat</b>          | <b>1,327.1</b>    | <b>1,323.3</b> | <b>2900</b>           | <b>3,794.9</b>     |
| Oats                      | 382.8             | 339.9          | 2800                  | 967.4              |
| Barley                    | 339.0             | 303.5          | 3400                  | 1,035.3            |
| Fall rye <sup>1</sup>     | 36.5              | 34.4           | 2500                  | 86.4               |
| Mixed grains              | 17.8              | 8.1            | 1800                  | 14.3               |
| Flaxseed <sup>2</sup>     | 155.2             | 151.8          | 1300                  | 193.0              |
| Canola                    | 1,003.6           | 1,001.6        | 1800                  | 1,825.7            |
| Corn for grain            | 60.9              | 58.7           | 6500                  | 379.7              |
| Dry Peas                  | 37.0              | 36.8           | 2800                  | 103.5              |
| Soybeans                  | 141.9             | 141.6          | 1800                  | 252.3              |
| Dry white beans           | 36.5              | 36.4           | 1900                  | 67.6               |
| Coloured dry beans        | 43.7              | 43.6           | 2000                  | 85.8               |
| Canary seed               | 3.6               | 3.4            | 1100                  | 3.7                |
| Sunflower seeds           | 77.0              | 76.9           | 2100                  | 157.3              |
| <b>Saskatchewan</b>       |                   |                |                       |                    |
| Winter wheat <sup>1</sup> | 95.8              | 93.1           | 2800                  | 264.0              |
| Spring wheat              | 3,874.9           | 3,810.1        | 2100                  | 8,151.0            |
| Durum wheat               | 1,305.0           | 1,288.9        | 2100                  | 2,688.9            |
| <b>All wheat</b>          | <b>5,275.7</b>    | <b>5,192.1</b> | <b>2100</b>           | <b>11,103.9</b>    |
| Oats                      | 937.6             | 724.4          | 2400                  | 1,727.3            |
| Barley                    | 1,425.5           | 1,295.0        | 2600                  | 3,396.5            |
| Fall rye <sup>1</sup>     | 86.7              | 85.0           | 2200                  | 189.2              |

See footnotes at end of table 4.

**Table 3** Estimates of the 2006 production of principal field crops, Canada and provinces (concluded)

| Province and crop         | Area           |                | Metric yield          | Production         |
|---------------------------|----------------|----------------|-----------------------|--------------------|
|                           | Seeded         | Harvested      | on harvested area     | 2006               |
|                           | '000 hectares  |                | kilograms per hectare | '000 metric tonnes |
| <b>Saskatchewan</b>       |                |                |                       |                    |
| Mixed grains              | 61.0           | 12.1           | 2200                  | 26.5               |
| Flaxseed <sup>2</sup>     | 625.2          | 611.1          | 1200                  | 759.5              |
| Canola                    | 2,418.9        | 2,387.6        | 1500                  | 3,696.8            |
| Dry Peas                  | 983.6          | 963.1          | 1900                  | 1,861.5            |
| Lentils                   | 516.3          | 503.8          | 1300                  | 629.5              |
| Mustard seed              | 108.6          | 105.3          | 800                   | 82.6               |
| Canary seed               | 132.0          | 127.5          | 1000                  | 129.1              |
| Chick peas                | 112.6          | 111.3          | 1200                  | 137.2              |
| <b>Alberta</b>            |                |                |                       |                    |
| Winter wheat <sup>1</sup> | 51.9           | 48.6           | 3400                  | 167.4              |
| Spring wheat              | 2,334.5        | 2,300.6        | 2900                  | 6,678.7            |
| Durum wheat               | 231.0          | 228.6          | 2900                  | 657.3              |
| <b>All wheat</b>          | <b>2,617.4</b> | <b>2,577.8</b> | <b>2900</b>           | <b>7,503.4</b>     |
| Oats                      | 513.6          | 285.3          | 2500                  | 706.3              |
| Barley                    | 1,657.1        | 1,375.9        | 3200                  | 4,404.6            |
| Fall rye <sup>1</sup>     | 42.5           | 22.3           | 2600                  | 57.2               |
| Mixed grains              | 150.9          | 24.3           | 2700                  | 65.9               |
| Flaxseed <sup>2</sup>     | 24.4           | 22.3           | 1600                  | 36.3               |
| Canola                    | 1,821.1        | 1,813.0        | 1900                  | 3,424.6            |
| Dry Peas                  | 237.6          | 228.6          | 2400                  | 552.6              |
| Coloured dry beans        | 22.0           | 21.8           | 2400                  | 52.2               |
| Mustard seed              | 25.2           | 24.2           | 1100                  | 25.6               |
| Chick peas                | 16.5           | 16.2           | 1600                  | 26.0               |
| <b>British Columbia</b>   |                |                |                       |                    |
| Spring wheat              | 22.2           | 21.8           | 1900                  | 40.8               |
| Oats                      | 32.8           | 14.2           | 1900                  | 27.6               |
| Barley                    | 24.6           | 14.2           | 2200                  | 31.4               |
| Mixed grains              | 4.4            | 1.2            | 2800                  | 3.3                |
| Canola                    | 26.0           | 24.3           | 1100                  | 27.2               |
| Dry Peas                  | 2.3            | 2.0            | 1200                  | 2.3                |
| <b>Western Canada</b>     |                |                |                       |                    |
| Winter wheat <sup>1</sup> | 268.8          | 262.7          | 3600                  | 936.8              |
| Spring wheat              | 7,437.6        | 7,334.8        | 2500                  | 18,160.0           |
| Durum wheat               | 1,536.0        | 1,517.5        | 2200                  | 3,346.2            |
| <b>All wheat</b>          | <b>9,242.4</b> | <b>9,115.0</b> | <b>2500</b>           | <b>22,443.0</b>    |
| Oats                      | 1,866.8        | 1,363.8        | 2500                  | 3,428.6            |
| Barley                    | 3,446.2        | 2,988.6        | 3000                  | 8,867.8            |
| Fall rye <sup>1</sup>     | 167.2          | 141.7          | 2300                  | 332.8              |
| Flaxseed <sup>2</sup>     | 804.8          | 785.2          | 1300                  | 988.8              |
| Canola                    | 5,269.6        | 5,226.5        | 1700                  | 8,974.3            |
| Dry Peas                  | 1,260.5        | 1,230.5        | 2000                  | 2,519.9            |

See footnotes at end of table 4.

**Table 4** Estimates of the 2006 production of principal field crops, Canada and provinces

| Province and crop           | Area            |                 | Imperial                   | Production     |
|-----------------------------|-----------------|-----------------|----------------------------|----------------|
|                             | Seeded          | Harvested       | yield<br>on harvested area | 2006           |
|                             | '000 acres      |                 | bushels per acre           | '000 bushels   |
| <b>Canada</b>               |                 |                 |                            |                |
| Winter wheat <sup>1</sup>   | 1,711.0         | 1,692.4         | 71.7                       | 121,324        |
| Spring wheat                | 18,743.0        | 18,482.1        | 37.0                       | 684,067        |
| Durum wheat                 | 3,795.4         | 3,750.0         | 32.8                       | 122,950        |
| <b>All wheat</b>            | <b>24,249.4</b> | <b>23,924.5</b> | <b>38.8</b>                | <b>928,342</b> |
| Oats                        | 5,099.1         | 3,797.5         | 65.8                       | 249,788        |
| Barley                      | 9,118.0         | 7,964.0         | 55.2                       | 439,684        |
| Fall rye <sup>1</sup>       | 482.0           | 404.9           | 37.2                       | 15,073         |
| Mixed grains                | 829.7           | 320.2           | 56.4                       | 18,071         |
| Flaxseed <sup>2</sup>       | 1,988.8         | 1,940.0         | 20.1                       | 38,930         |
| Canola                      | 13,055.3        | 12,943.8        | 30.7                       | 396,845        |
| Corn for grain              | 2,701.0         | 2,621.6         | 135.0                      | 353,914        |
| Dry Peas                    | 3,115.5         | 3,041.0         | 30.4                       | 92,585         |
| Soybeans                    | 2,998.4         | 2,968.2         | 42.9                       | 127,335        |
|                             | '000 acres      |                 | cwt/acre                   | '000 cwt       |
| Dry white beans             | 190.1           | 187.5           | 18.8                       | 3,520.0        |
| Coloured dry beans          | 250.9           | 248.3           | 18.9                       | 4,688.0        |
| <b>Prince Edward Island</b> |                 |                 |                            |                |
| Winter wheat <sup>1</sup>   | 5.0             | 4.9             | 43.1                       | 211            |
| Spring wheat                | 22.9            | 22.0            | 41.0                       | 902            |
| <b>All wheat</b>            | <b>27.9</b>     | <b>26.9</b>     | <b>41.4</b>                | <b>1,113</b>   |
| Oats                        | 12.6            | 12.5            | 64.0                       | 800            |
| Barley                      | 79.2            | 78.5            | 47.0                       | 3,690          |
| Mixed grains                | 10.1            | 9.5             | 55.1                       | 523            |
| Soybeans                    | 11.3            | 11.3            | 36.0                       | 407            |
| <b>Nova Scotia</b>          |                 |                 |                            |                |
| Winter wheat <sup>1</sup>   | 4.6             | 4.6             | 51.1                       | 235            |
| Spring wheat                | 1.4             | 1.3             | 50.0                       | 65             |
| <b>All wheat</b>            | <b>6.0</b>      | <b>5.9</b>      | <b>50.8</b>                | <b>300</b>     |
| Oats                        | 6.0             | 5.3             | 54.0                       | 286            |
| Barley                      | 7.3             | 6.0             | 41.0                       | 246            |
| Corn for grain              | 7.7             | 7.7             | 107.0                      | 824            |
| <b>New Brunswick</b>        |                 |                 |                            |                |
| Winter wheat <sup>1</sup>   | 0.5             | 0.5             | 41.0                       | 21             |
| Spring wheat                | 2.9             | 2.8             | 28.2                       | 79             |
| <b>All wheat</b>            | <b>3.4</b>      | <b>3.3</b>      | <b>30.2</b>                | <b>100</b>     |
| Oats                        | 25.0            | 24.2            | 63.0                       | 1,525          |
| Barley                      | 33.2            | 30.0            | 42.0                       | 1,260          |
| Corn for grain              | 4.4             | 4.3             | 106.0                      | 456            |
| Mixed grains                | 0.9             | 0.9             | 57.8                       | 52             |
| <b>Quebec</b>               |                 |                 |                            |                |
| Winter wheat <sup>1</sup>   | 8.4             | 8.4             | 52.0                       | 437            |
| Spring wheat                | 130.0           | 126.0           | 43.3                       | 5,456          |
| <b>All wheat</b>            | <b>138.4</b>    | <b>134.4</b>    | <b>43.8</b>                | <b>5,894</b>   |

See footnotes at end of table 4.

**Table 4** Estimates of the 2006 production of principal field crops, Canada and provinces (continued)

| Province and crop         | Area              |                 | Imperial                   | Production<br>2006 |
|---------------------------|-------------------|-----------------|----------------------------|--------------------|
|                           | Seeded            | Harvested       | yield<br>on harvested area |                    |
|                           | '000 acres        |                 | bushels per acre           | '000 bushels       |
| <b>Quebec</b>             |                   |                 |                            |                    |
| Oats                      | 310.7             | 275.5           | 63.5                       | 17,507             |
| Barley                    | 261.5             | 254.5           | 54.4                       | 13,848             |
| Fall rye <sup>1</sup>     | 5.8               | 4.9             | 35.0                       | 173                |
| Mixed grains              | 66.4              | 56.8            | 50.3                       | 2,856              |
| Canola                    | 15.2              | 13.8            | 37.6                       | 520                |
| Corn for grain            | 956.3             | 926.6           | 114.7                      | 106,294            |
| Soybeans                  | 480.6             | 476.9           | 41.2                       | 19,658             |
|                           | <b>'000 acres</b> |                 | <b>cwt/acre</b>            | <b>'000 cwt</b>    |
| Total dry beans           | 16.9              | 16.3            | 16.8                       | 273.0              |
| <b>Ontario</b>            |                   |                 |                            |                    |
| Winter wheat <sup>1</sup> | 1,028.5           | 1,025.0         | 83.9                       | 86,000             |
| Spring wheat              | 206.9             | 205.0           | 50.2                       | 10,300             |
| <b>All wheat</b>          | <b>1,235.4</b>    | <b>1,230.0</b>  | <b>78.3</b>                | <b>96,300</b>      |
| Oats                      | 132.0             | 110.0           | 66.8                       | 7,350              |
| Barley                    | 221.0             | 210.0           | 63.6                       | 13,350             |
| Fall rye <sup>1</sup>     | 63.2              | 50.0            | 36.0                       | 1,800              |
| Mixed grains              | 173.5             | 140.0           | 66.1                       | 9,250              |
| Canola                    | 18.6              | 15.0            | 41.7                       | 625                |
| Corn for grain            | 1,577.9           | 1,535.0         | 150.5                      | 231,000            |
| Soybeans                  | 2,155.9           | 2,130.0         | 46.0                       | 98,000             |
|                           | <b>'000 acres</b> |                 | <b>cwt/acre</b>            | <b>'000 cwt</b>    |
| Dry white beans           | 92.3              | 90.0            | 20.4                       | 1,840              |
| Coloured dry beans        | 71.2              | 70.0            | 19.6                       | 1,375              |
| <b>Manitoba</b>           |                   |                 |                            |                    |
| Winter wheat <sup>1</sup> | 299.2             | 299.0           | 62.1                       | 18,570             |
| Spring wheat              | 2,980.3           | 2,971.0         | 40.7                       | 120,865            |
| <b>All wheat</b>          | <b>3,279.4</b>    | <b>3,270.0</b>  | <b>42.6</b>                | <b>139,435</b>     |
| Oats                      | 945.8             | 840.0           | 74.7                       | 62,730             |
| Barley                    | 837.8             | 750.0           | 63.4                       | 47,550             |
| Fall rye <sup>1</sup>     | 90.1              | 85.0            | 40.0                       | 3,400              |
| Mixed grains              | 44.0              | 20.0            | 35.0                       | 700                |
| Flaxseed <sup>2</sup>     | 383.5             | 375.0           | 20.3                       | 7,600              |
| Canola                    | 2,480.0           | 2,475.0         | 32.5                       | 80,500             |
| Corn for grain            | 150.4             | 145.0           | 103.1                      | 14,950             |
| Dry Peas                  | 91.4              | 91.0            | 41.8                       | 3,800              |
| Soybeans                  | 350.6             | 350.0           | 26.5                       | 9,270              |
|                           | <b>'000 acres</b> |                 | <b>cwt/acre</b>            | <b>'000 cwt</b>    |
| Dry white beans           | 90.2              | 90.0            | 16.6                       | 1,490              |
| Coloured dry beans        | 108.4             | 108.0           | 17.5                       | 1,890              |
|                           | <b>'000 acres</b> |                 | <b>pounds/acre</b>         | <b>'000 pounds</b> |
| Canary seed               | 9.0               | 8.5             | 973                        | 8,270              |
| Sunflower seeds           | 190.2             | 190.0           | 1825                       | 346,800            |
| <b>Saskatchewan</b>       |                   |                 |                            |                    |
| Winter wheat <sup>1</sup> | 236.8             | 230.0           | 42.2                       | 9,700              |
| Spring wheat              | 9,575.0           | 9,415.0         | 31.8                       | 299,500            |
| Durum wheat               | 3,224.6           | 3,185.0         | 31.0                       | 98,800             |
| <b>All wheat</b>          | <b>13,036.3</b>   | <b>12,830.0</b> | <b>31.8</b>                | <b>408,000</b>     |
| Oats                      | 2,316.8           | 1,790.0         | 62.6                       | 112,000            |
| Barley                    | 3,522.5           | 3,200.0         | 48.8                       | 156,000            |
| Fall rye <sup>1</sup>     | 214.2             | 210.0           | 35.5                       | 7,450              |

See footnotes at end of table 4.

**Table 4** Estimates of the 2006 production of principal field crops, Canada and provinces (concluded)

| Province and crop         | Area            |                 | Imperial                   | Production     |
|---------------------------|-----------------|-----------------|----------------------------|----------------|
|                           | Seeded          | Harvested       | yield<br>on harvested area | 2006           |
|                           | '000 acres      |                 | bushels per acre           | '000 bushels   |
| <b>Saskatchewan</b>       |                 |                 |                            |                |
| Mixed grains              | 150.8           | 30.0            | 43.3                       | 1,300          |
| Flaxseed <sup>2</sup>     | 1,544.9         | 1,510.0         | 19.8                       | 29,900         |
| Canola                    | 5,977.3         | 5,900.0         | 27.6                       | 163,000        |
| Dry Peas                  | 2,430.5         | 2,380.0         | 28.7                       | 68,400         |
|                           | '000 acres      |                 | pounds/acre                | '000 pounds    |
| Lentils                   | 1,275.8         | 1,245.0         | 1115                       | 1,387,700      |
| Mustard seed              | 268.2           | 260.0           | 700                        | 182,000        |
| Canary seed               | 326.2           | 315.0           | 904                        | 284,700        |
| Chick peas                | 278.2           | 275.0           | 1100                       | 302,400        |
| <b>Alberta</b>            |                 |                 |                            |                |
| Winter wheat <sup>1</sup> | 128.2           | 120.0           | 51.3                       | 6,150          |
| Spring wheat              | 5,768.7         | 5,685.0         | 43.2                       | 245,400        |
| Durum wheat               | 570.8           | 565.0           | 42.7                       | 24,150         |
| <b>All wheat</b>          | <b>6,467.6</b>  | <b>6,370.0</b>  | <b>43.3</b>                | <b>275,700</b> |
| Oats                      | 1,269.2         | 705.0           | 65.0                       | 45,800         |
| Barley                    | 4,094.7         | 3,400.0         | 59.5                       | 202,300        |
| Fall rye <sup>1</sup>     | 105.1           | 55.0            | 40.9                       | 2,250          |
| Mixed grains              | 373.0           | 60.0            | 53.8                       | 3,230          |
| Flaxseed <sup>2</sup>     | 60.4            | 55.0            | 26.0                       | 1,430          |
| Canola                    | 4,500.0         | 4,480.0         | 33.7                       | 151,000        |
| Dry Peas                  | 587.3           | 565.0           | 35.9                       | 20,300         |
|                           | '000 acres      |                 | cwt/acre                   | '000 cwt       |
| Coloured dry beans        | 54.4            | 54.0            | 21.3                       | 1,150          |
|                           | '000 acres      |                 | pounds/acre                | '000 pounds    |
| Mustard seed              | 62.5            | 60.0            | 939                        | 56,350         |
| Chick peas                | 40.7            | 40.0            | 1433                       | 57,300         |
| <b>British Columbia</b>   |                 |                 |                            |                |
| Spring wheat              | 54.9            | 54.0            | 27.8                       | 1,500          |
| Oats                      | 81.1            | 35.0            | 51.1                       | 1,790          |
| Barley                    | 60.8            | 35.0            | 41.1                       | 1,440          |
| Mixed grains              | 11.0            | 3.0             | 53.3                       | 160            |
| Canola                    | 64.3            | 60.0            | 20.0                       | 1,200          |
| Dry Peas                  | 6.4             | 5.0             | 17.0                       | 85             |
| <b>Western Canada</b>     |                 |                 |                            |                |
| Winter wheat <sup>1</sup> | 664.1           | 649.0           | 53.0                       | 34,420         |
| Spring wheat              | 18,378.9        | 18,125.0        | 36.8                       | 667,265        |
| Durum wheat               | 3,795.4         | 3,750.0         | 32.8                       | 122,950        |
| <b>All wheat</b>          | <b>22,838.3</b> | <b>22,524.0</b> | <b>36.6</b>                | <b>824,635</b> |
| Oats                      | 4,612.9         | 3,370.0         | 66.0                       | 222,320        |
| Barley                    | 8,515.7         | 7,385.0         | 55.2                       | 407,290        |
| Fall rye <sup>1</sup>     | 413.0           | 350.0           | 37.4                       | 13,100         |
| Flaxseed <sup>2</sup>     | 1,988.8         | 1,940.0         | 20.1                       | 38,930         |
| Canola                    | 13,021.6        | 12,915.0        | 30.6                       | 395,700        |
| Dry Peas                  | 3,115.5         | 3,041.0         | 30.4                       | 92,585         |

1. The area remaining in June after winterkill.

2. Excludes solin.

## Methodology and data quality

### Survey frame and sample selection

The target population for the July 31 crop production estimates includes all farms in Canada enumerated in the Census of Agriculture with the exception of institutional farms, farms on Indian reserves and farms from the Northwest Territories, Yukon and Atlantic region.

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 probability sample for the July 31 crop production estimates is selected.

Probability surveys can use two types of sampling frames, list and area. In the July 31 Crop Production 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 17,300 farms was drawn from the list frame for the July 31 Crop Production Survey.

### Data collection

Data collection for the July 31 Crop Production Survey was carried out from July 27 to August 5, 2007.

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 3%. 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.

### 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 crop production estimates contained in this publication reflect producers' production expectations as of July 31. Producers' production expectations will be surveyed again in September as harvest progresses. Production will be estimated after the harvest in November.

## Data quality

The July 31 crop production 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 July 31 Crop Production Survey, c.v.'s at the Canada level range from 1% to 10% for the major crops.

## 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.