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Agriculture Division

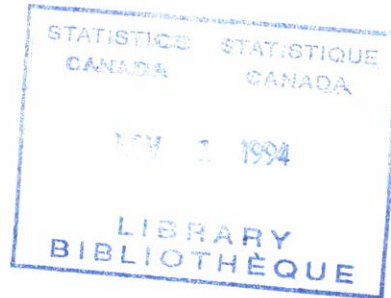
Division de l'agriculture



Statistics
Canada

Statistique
Canada

Canada



PRODUCTS AND SERVICES DIRECTORY

AGRICULTURE DIVISION, 1993

Statistics Canada
Ottawa, Ontario
K1A 0T6

{aussi disponible en français}

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INTRODUCTION

This catalogue is your guide to the products and services of Statistics Canada's Agriculture Division and how you can obtain them. In it, you'll find:

- the names and telephone numbers of key people who can answer your questions about Agriculture Division data;
- a wide range of published and unpublished, custom and electronic data products and services related to agriculture and food;
- essential release dates and pricing information;
- how to order the Agriculture Division products that interest you.

What We Offer

Data from Statistics Canada's Agriculture Division are available in a variety of formats, including publications, customized printouts, diskettes, magnetic tapes, CANSIM (Statistics Canada's computerized database), and by telephone or facsimile.

Our information on the agriculture industry can help you:

- monitor the financial performance of farms;
- analyze commodity markets;
- assess food consumption patterns;
- project food production;
- determine agriculture industry structure;
- analyze farm and rural population trends;
- examine characteristics of the farm population;
- monitor crop growth and help to predict yields.

Who We Are

The **Census of Agriculture** provides information on the detailed structure of the farm sector and the detailed geographic location of agricultural production. It also provides the basis for most agriculture surveys and data series.

Census of Agriculture results were released on June 4, 1992 and Agriculture - Population Linkage results will be released on October 28, 1993.

The **Farm Income and Prices Section** produces estimates of farm cash receipts by item, farm expenses by item, net farm income, assets and indebtedness, cash flow, farm prices and indexes plus detailed receipt and cost data by size and type of farm for sub-provincial regions, derived from taxation data.

The **Crops Section** produces estimates of field crops, horticultural crops, per capita consumption and grain marketing statistics.

The **Livestock and Animal Products Section** produces data on livestock, dairy, poultry and eggs, furs and other animal products.

Spatial Analysis and Geomatics Applications analyzes satellite data and conducts research and development, to provide information on crop conditions, crop area, land-use change and related agriculture and environmental applications.

Data users who need help in designing custom tabulations from the division's databases will find it in the **Research and Analysis Section**. The section also analyzes data at the aggregate and micro-record levels.

The **Systems Co-ordination and Production Section** answers questions on surveys, and provides support to computer users and various dissemination services.

We invite you to call us toll-free at **1-800-465-1991** if you have any questions concerning agriculture data.

WE LOOK FORWARD TO SERVING YOU!

AGRICULTURE DATA USER GUIDE: WHO TO CONTACT

AGRICULTURE DIVISION

Address -

Statistics Canada
12th Floor, Jean Talon Building
Tunney's Pasture
Ottawa, Ontario
K1A 0T6

FAX:**(613) 951-3868**

Director (Acting)

Albert

(613) 951-3423

Assistant Directors

Meguerditchian

(613) 951-6171

Denis Chartrand

(613) 951-0838

Tricia Burvill

TOLL-FREE NUMBER**1-800-465-1991**

The Agriculture Division's toll-free number is available 8:00 a.m. to 4:00 p.m. Eastern Time.

Farm Income and Prices Section

Chief (Acting)

Marcelle Dion

(613) 951-3172

Capital Value, Debt, Balance Sheets

Marcelle Dion

(613) 951-3172

Farm Cash Receipts, Program Payments

Ed Hamilton

(613) 951-8707

Farm Expenses

Marcelle Dion

(613) 951-3172

Farm Income

Ed Hamilton

(613) 951-8707

Marcelle Dion

(613) 951-3172

Farm Prices

Elizabeth Leckie

(613) 951-2441

Farm Financial Survey

Philip Stevens

(613) 951-2435

Production Account (Value Added)

Marcelle Dion

(613) 951-3172

Crops Section

Chief (Acting)

Jacqueline LeBlanc

(613) 951-8715

Field Crop Reporting

Oliver Code

(613) 951-8719

Grain Marketing Statistics

Karen Gray

(204) 983-2856

Horticultural Crops

Zoltan Somogyi

(613) 951-8718

Potatoes

Barb McLaughlin

(902) 893-7251

Livestock and Animal Products Section

Chief

Jacqueline LeBlanc

(613) 951-8715

Cattle, Hogs, Sheep, Poultry and Furs

Bernie Rosien

(613) 951-8716

Dairy and Stocks of Frozen Meat

Jacqueline LeBlanc

(613) 951-8715

Systems Co-ordination and Production Section

Chief (Acting)	Tricia Burvill	(613) 951-0838
CANSIM Data Base/Publications	Julie Gordon	(613) 951-5039

Census of Agriculture

FAX: (613) 951-1680

Census Manager	Mel Jones	(613) 951-8712
Census Outputs	Gary Davidson	(613) 951-1578
Census Data Validation	Paul Murray	(613) 951-0065
Census Planning & Integration	Gary Davidson	(613) 951-1578
Census Special Projects	Paul Murray	(613) 951-0065
Census User Services & Marketing	Norah Hillary/ Lynda Kemp	(613) 951-8711
Census Content and Collection	Wilson Freeman	(613) 951-8724
Farm Register	Catherine Cromey	(613) 951-3843
Agriculture/Population Linkage Database	Catherine Cromey	(613) 951-3843
System Development Co-ordinator	Ivan Green	(613) 951-2888

Spatial Analysis and Geomatics Applications

Head	Ken Korporal	(613) 951-3872
Remote Sensing Applications	Richard Dobbins	(613) 951-3860
Crop Condition Assessment Program	Ken Korporal	(613) 951-3872

Whole Farm Data Base

Project Manager	Mario Ménard	(613) 951-2446
Whole Farm Data Base	Gaétan St. Louis	(613) 951-8722
Whole Farm Data Base Analysis and User Services	Lina Di Pietro	(613) 951-3171
Whole Farm Data Integration	Steven Danford	(613) 951-2436

Research and Analysis

Chief	Ray Bollman	(613) 951-3747
Analytical Projects	Rick Burroughs	(613) 951-2890
	Brian Biggs	(613) 951-3059

Data Integration

Chief	Allan Porter	(613) 951-3169
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Specialized subject matter topics

Advisory Committee on Agriculture Statistics	Denis Chartrand (Secretary)	(613) 951-6171
Custom Tabulations from Surveys	Ray Bollman	(613) 951-3747
Data Integration	Allan Porter	(613) 951-3169
Environment and Agriculture	Ken Korporal	(613) 951-3872
Farm Family Income	Ray Bollman	(613) 951-3747
Farm Financial Survey	Phil Stevens May Holmes	(613) 951-2435 (613) 951-2442
Farm Labour/ Women in Agriculture	Norah Hillary/ Lynda Kemp	(613) 951-8711
Farm Structure	Ray Bollman	(613) 951-3747
Farm Wage Rate Survey	Rick Burroughs	(613) 951-2890
Federal/Provincial Agreements	Bob Freeman	(613) 951-2452
Federal/Provincial Committee on Agriculture Statistics	Denis Chartrand (Secretary)	(613) 951-6171
Food Consumption	Zoltan Somogyi	(613) 951-8718
Frozen Food Inventories	Jacqueline LeBlanc	(613) 951-8715
Mapping/Geographic Information Processing	Ken Korporal	(613) 951-3872
Respondent Relations (Multi-holdings and other large farms) (Medium and small farms)	Wilson Freeman Catherine Cromey	(613) 951-8724 (613) 951-3843
Rural Data	Ray Bollman	(613) 951-3747
Standards, Harmonized System (HS)	Jacqueline LeBlanc	(613) 951-8715
VISTA Editor	Rick Burroughs	(613) 951-2890
Whole Farm Data Project	Mario Ménard	(613) 951-2446

Agriculture Division Regional Representatives

Truro	Barbara McLaughlin	Tel.:	(902) 893-7251
	Bernadette Alain	FAX:	(902) 895-7435
	Agriculture Division		
	Statistics Canada		
	P.O. Box 637		
	Truro, Nova Scotia		
	B2N 5E5		
Winnipeg	Karen Gray	Tel.:	(204) 983-2856
	Gail Ann Breese		(204) 983-3445
	Agriculture Division	FAX:	(204) 983-3122
	Statistics Canada		
	MacDonald Building, Suite 300		
	344 Edmonton Street		
	Winnipeg, Manitoba		
	R3B 3L9		

Contacts for Agriculture Related Information

Food Industry	- Manufacturing	C. Hebert	951-3524
	- Wholesale Trade	C. Bordeleau	951-3542
	- Retail Trade	B. Theriault	951-3592
Farm Input Price Index		V. Krabicka	951-3342
International Trade		R. Gordon	951-9797
Input-Output Tables		R. Rioux	951-3697
Gross Domestic Product		M. Pascal	951-3797

Note: You may also contact Statistics Canada's Regional Reference Centres for further information. A list of these reference centres with their toll-free telephone numbers is provided on page 13 of this publication.

PUBLICATIONS

GENERAL

21-522E **Farming Facts**

The 1992 edition of **Farming Facts** is a special issue with emphasis on data from the 1991 Census of Agriculture. Most agricultural activities are covered - farm size, field crops, vegetables and fruit, livestock, poultry, farm cash receipts, investments and expenses. In addition, information on male and female farm operators and details on the use of fertilizer, herbicides and insecticides have been included.

- Now available
- Issued annually
- No charge (single copies)

CENSUS OF AGRICULTURE

92-303 **1991 Census of Agriculture Products and Services**

This publication helps users to identify which product or service will best fill their data requirements and serves as a guide for the concepts and variables of the Census of Agriculture. Descriptions of the geography used in the census as useful background information is included. This publication provides complete details on the full line of Census of Agriculture products and services including pricing and ordering information.

- Now available
- No charge

Agricultural Profile Series

This series of 22 publications reveals the data collected from all Canadian farm holdings. Basic counts for provinces and census divisions are in Part 1 (11 volumes: Canada, 10 provinces). Part 1 is also available on diskette. Detailed cross-tabulations are provided in Part 2 (11 volumes: Canada, 10 provinces).

For individual catalogue numbers and prices, see page 28.

- Now available

93-348 **Census Overview of Canadian Agriculture: 1971-1991**

This publication presents an historical perspective of Canadian agriculture using census data from 1971 to 1991.

- Now available
- Canada: \$49

93-349 **Profile of the Canadian Farm Population**

This publication displays basic counts and totals for selected data for all farm operator households.

- Available October 1993
- Canada: \$45

10-545E **Trends and Highlights of Canadian Agriculture and Its People**

This publication presents a concise study of key agricultural and socio-economic variables from the Census of Agriculture and the Census of Population. The first segment highlights selected agricultural data such as farm type, receipts and expenses, as well as selected demographic data such as age, sex, marital

status and mother tongue of farm operators and the farm population. The second segment focuses on socio-economic aspects such as education and income of farm operators and the farm population.

- First segment, now available
- Second segment, November 1993
- Canada: \$29

See the Census of Agriculture price list on pages 27 and 28 complete price listings, catalogue numbers and special discount packages available.

96-301 Canadian Agriculture at a Glance

Based on Census of Agriculture and Agriculture-Population databases, this publication gives a panoramic view of Canadian agriculture in an exciting visual format of maps and graphs. It provides current perspectives and historical trends for key variables such as the average area per farm, average receipts per farm, land management practices, and average education level of farm operators. This colourful presentation is a perfect addition to any collection of agricultural information.

- Available June 1994
- Canada: \$49

96-308E People in Canadian Agriculture

This is Agriculture Division's entry into the Census of Population "Focus on Canada" series. This analytical publication focuses on people involved in the primary segment of Canadian agriculture. Three topics are covered: all persons in Canadian agriculture; members of the household of agriculture persons; and the farm as it relates to population variables. Historical and provincial comparisons are provided where possible.

- Available January 1994
- Canada: \$10

FARM INCOME AND PRICES

- Updated semi-annually
- Canada: \$66 plus \$42 per year for the updates

21-001 Farm Cash Receipts

This publication contains farm cash receipt estimates for individual crop, livestock and direct program payments. Cumulative quarterly data for the current and previous year are published by province and at the national level. The publication includes some analysis and explanatory notes on concepts and methods and data quality.

Release dates are May 26, August 19, November 25, 1993 and February 22, 1994

- Issued quarterly
- Canada: \$44 per year

21-603E Agriculture Economic Statistics

10-603E Agriculture Economic Statistics Updates

This publication presents annual estimates of net farm income, farm cash receipts, farm operating expenses and depreciation charges, the index of farm production (1935 - 1985 only), current values of farm capital, farm debt outstanding, the farm product price index, direct program payments, the production account, the balance sheet of the agricultural sector, the cash flow account and wage rates for hired agricultural labour. Data highlights are provided for the most current year. Notes on concepts, methods, and data quality, plus listings of CANSIM databank numbers for each data series, are included with the basic historical data set. Updates to this publication are sent to subscribers two times per year. These updates provide the most current data as well as revisions to previously published data. Release dates in 1993 are May 26 and November 25.

62-003 Farm Product Price Index

This publication presents indexes of prices received by farmers from the sale of agricultural products. A variety of monthly and annual indexes of crops, livestock and overall prices are included from 1982 to date. Indexes for major commodity groups are also included, but only at the Canada level. This publication also includes data highlights, concepts, methods and data quality.

Release dates are March 10, April 14, May 10, June 9, July 9, August 11, September 10, October 8, November 10, December 9, 1993, and January 14 and February 9, 1994.

- Issued monthly
- Canada: \$71 per year

21-205 Agricultural Financial Statistics

This publication provides a complete itemization of operating revenues and expenses by province, type of farm and economic class. It also features sources and levels of off-farm income for unincorporated operators and farm families as well as distributional tables on farm and off-farm income. This publication also includes data highlights, concepts and methods, and a glossary.

Data compiled from Revenue Canada, Taxation returns of unincorporated and incorporated farms provide the statistical basis for this publication.

Release date is May 7, 1993.

- Issued annually
- Canada: \$35

CROPS

22-002 Field Crop Reporting Series

The eight reports in this series, which are released at strategic times during the crop year, contain data on stocks of grain and crop area, yield, and production.

Three reports provide data on stocks of grain at both farm and commercial positions for Canada and the provinces (Reports No. 1, 3 and 6).

The first report on seeded area in April (Report No. 2) contains the seeding intentions of producers, while the June report (Report No. 4) contains the actual seeded areas of field crops.

Yields and levels of production by province are estimated before the harvest (Report No. 5), during the harvest (Report No. 7), and after the harvest (Report No. 8).

1993 releases dates are: Report No. 1 on February 12; Report No. 2 on April 29; Report No. 3 on May 12; Report No. 4 on June 30; Report No. 5 on August 25; Report No. 6 on September 8; Report No. 7 on October 7; and Report No. 8 on November 30.

- Issued seasonally eight times per year
- Canada: \$80 per year
- Available by fax.

22-007 Cereals and Oilseeds Review

The review provides a current source of grain marketing data for analysts, grain traders and members of the agri-business and farm community. Its focus is restricted to the major grains produced in Canada: wheat, durum wheat, barley, oats, corn, rye, flaxseed, canola-rapeseed and soybeans, with an emphasis on supply-disposition analysis, trade, price and industrial processing data.

Release dates are February 28, March 24, April 28, May 28, June 28, July 28, August 27, September 30, October 29, November 29, December 31, 1993 and January 28, February 28, 1994.

- Issued monthly
- Canada: \$138 per year

22-201 Grain Trade of Canada

This annual report is prepared in collaboration with the Economics and Statistics Division of the Canadian Grain Commission. It is designed to provide a summary of key data series relating to the production, marketing, handling, and transportation of major Canadian grains from the farm to domestic and export channels.

Planned 1993 release is June 21.

- Issued annually
- Canada: \$39

22-003 Fruit and Vegetable Production

This publication provides an overview of the Canadian fruit and vegetable production sector. Estimates of the annual commercial production of apples by variety are included. The annual commercial production and value of the major tree fruits and berries and grapes are also available. Annual estimates of the area, yield, production and value of the major commercially grown vegetables are published. For the mushroom growing industry, estimates of area, production, sales, investments and labour costs and employment are available once yearly. Statistics on the tobacco growing sector are published twice yearly. Three times a year, estimates of the area, yield and production of potatoes are published. The value of potato production is published once yearly.

Release dates are June 30 and October 8, 1993 and February 11, 1994.

- Issued three times annually
- Canada: \$72 per year

22-202 **Greenhouse Industry**

This annual publication provides an overview of the Canadian greenhouse industry. Included are annual estimates of the total area under glass and plastic, months of operation and total sales. Estimates of employment, labour costs, investments, purchases of plant materials and heating fuel costs are also available. Information on the value of sales of greenhouse vegetables, flowers and ornamental plants is also published, as well as the production of flowers by variety. The publication includes analyses of the internal structure of the greenhouse industry based on total sales and type of flowers or plants produced. There is also information on the proportion of sales through various channels, and on the sales of flowers and plants through the three major Canadian auctions.

Release date is June 18, 1993.

- Issued annually
- Canada: \$26

22-203 **Survey of the Canadian
Nursery Trades Industry**

This annual publication provides an overview of the Canadian nursery trades industry. Included are estimates of total land used for growing nursery stock or sod, labour costs and employment, purchases of plant materials and sod. Sales of nursery stock through various channels are available. Also included is an analysis of the internal structure of the nursery stock and sod growing sector.

Release date is June 18, 1993.

- Issued annually
- Canada: \$22

Statistical Bulletin (33-029):
Canadian Potato Production

This bulletin summarizes potato area, yield, and production estimates by province.

Release dates are July 16, September 10 and November 19, 1993.

- Issued three times each year
- Canada: \$21 per year

Statistical Bulletin (33-030):
Production and Value of Honey and Maple Products

This bulletin summarizes the production and value of honey and maple products in Canada by province.

Release date is October 29, 1993.

- Issued annually
- Canada: \$10

Statistical Bulletin (33-037):
Fruit and Vegetable Area Survey

This bulletin summarizes results of the annual Fruit and Vegetable Area survey conducted each May.

Release date is June 16, 1993.

- Issued annually
- Canada: \$25

LIVESTOCK

23-603 **Livestock Statistics**
10-600 **Livestock Statistics Updates**

This publication presents estimates on the three major livestock categories: cattle and calves; hogs; and sheep and lambs. The data cover inventories as well as supply and disposition balance sheets. Also included are data on the production and value of wool and furs. In addition, data are presented on trade, prices, per capita consumption and stocks for selected livestock and livestock products. Notes on the concepts, methods and data quality are included with the basic historical data set (1976 to date). Updates, released four times per year, include new and revised estimates for the various series. Data highlights for the major series are also included in two of the updates.

Release dates are May 15, September 15, November 15, 1993 and March 15, 1994.

- Updated four times per year
- Canada \$90 plus \$144 per year for the updates

23-001 **The Dairy Review**

This publication is a statistical summary of the dairy situation in Canada and the provinces, including farm sales of milk for fluid and manufacturing purposes; cash receipts from farm sales; and production and stocks of creamery butter, cheddar cheese and other dairy products and by-products. Data are reported by all dairies, dairy factories, and major cold storage warehouses in Canada. Notes on data highlights, concepts and methods are also included.

Release dates are March 12, April 14, May 13, June 11, July 13, August 13, September 14, October 14, November 15, December 13, 1993

and January 14, February 11, 1994.

- Issued monthly
- Canada: \$122 per year

23-202 **Production of Poultry and Eggs**

This publication annually assembles charts and tables which present current and historical data on the turkey, chicken, stewing hen, and egg industries in Canada. The topics covered include annual supply, disposition, and per capita disappearance of poultry meat and eggs at the national level. Production and value are given for each commodity at the provincial level. Data highlights, concepts and methods are also included.

Release date is May 10, 1993.

- Issued annually
- Canada: \$34

FOOD

32-229 **Apparent Per Capita Food Consumption in Canada, Part I**

This publication contains supply, disposition, and per capita consumption data for the following food groups: cereals, sugars and syrups, pulses and nuts, beverages, dairy products, poultry, eggs and meats. Per capita consumption is available on both a retail weight and fresh equivalent basis per day and per year. The 1988 issue also contains a supplement which details the revised methodology for calculating red meat disappearance. Pork per capita consumption is now available on a retail weight basis from 1960 to 1988. In addition, revised estimates of the meat equivalent of animal output for 1981 to 1988 are included.

Release date is May 28, 1993.

- Issued annually
- Canada: \$27

32-230 **Apparent Per Capita Food Consumption in Canada, Part II**

This publication contains supply, disposition, and per capita disappearance data for the following food groups: oils and fats, fruits, vegetables, potatoes, and fish. Per capita disappearance is available on both a retail weight and fresh equivalent basis per day and per year.

Release date is December 10, 1993.

- Issued annually
- Canada: \$27

32-217 **Stocks of Food Commodities in Cold Storage and Other Warehouses**

This publication provides summary data on stocks of dairy products, poultry, and red meats for Canada and provinces (except Newfoundland).

Release date is April 27, 1993.

- Issued annually
- Canada: \$34

Statistical Bulletin (33-031): **Production of Eggs**

This bulletin summarizes the production of eggs in Canada by province.

Release dates are March 18, April 22, May 19, June 18, July 20, August 19, September 21, October 21, November 19 and December 17, 1993.

- Issued monthly
- Canada: \$110

SPECIAL SERVICES

CUSTOM SERVICES FROM THE CENSUS OF AGRICULTURE

The Census of Agriculture can tailor products to your special requirements at cost, subject to confidentiality constraints. Custom services are available for tabulations, thematic maps and user workshops.

a. Custom tabulations – allow you to create personalized tables from the Agriculture, the Agriculture-Population and the Historical databases. Customized data are available for Census years 1966 to 1991. (Data from 1966 and 1976 are not available for the Agriculture-Population linkage.) Census of Agriculture data and 100% data from the 1991 Agriculture-Population base are now available while the 20% sample data will be available in the fourth quarter of 1993. In addition, tabulations of entry, exit and the micro-dynamics of structural change are available from the 1966 to 1991 Census of Agriculture Match databases.

b. Thematic maps – are an effective way to present statistical data visually. Maps made to your specifications are available in black and white, or in colour. Maps, and supporting custom tabulations, can be produced for Census of Agriculture standard geography as well as user-defined areas. Prices and delivery depend on the complexity of each request.

c. Census of Agriculture Workshops - our full or half-day workshops can help new and current clients get the most out of census data. Each workshop is supplemented by take-home materials (contact: Mel Jones, Manager, Census of Agriculture, (613) 951-8712, fax: (613) 951-1680.

THE WHOLE FARM DATA PROJECT

The Whole Farm Data Project is a joint venture between **Agriculture Canada** and **Statistics Canada**. The Whole Farm Data Base (WFDB) provides a set of physical and financial data at the whole farm level by compiling data from various surveys and administrative sources. As a result, one can obtain farm revenue and expenditure data disaggregated by farm type, revenue class and subprovincial area.

There are three major data sources currently offered on the WFDB; the **Taxation Data Program (TDP)**, the **National Farm Survey (NFS)**, and the **Farm Financial Survey (FFS)**. Although the WFDB can be used to produce estimates for selected domains regardless of the revenue level, the base is primarily structured to provide data for farms with reported revenues of \$10,000 and over.

In order to satisfy a variety of user needs, the WFDP offers an assortment of products and services.

Agricultural Financial Statistics (Cat. No. 21-205) is an annual publication featuring a series of statistical tables with the TDP portion of the WFDB as their source.

The **Extraction System of Agricultural Statistics (ESAS)** is a menu-driven software available to users in a CD-ROM format. Using the WFDB as its source, ESAS allows users access to an extensive series of tables featuring the most commonly requested disaggregated physical and financial farm data. A user's guide and reference manual are included with the purchase of the CD-ROM product. The ESAS CD-ROM is now available at \$600 with updates priced at \$600. Starting in 1994, the initial subscription will cost \$1,000 with updates remaining at \$600.

Customized tables are another option available to users of the WFDB. At present, these requests can be disseminated on hard copy or in ASCII format (on diskette). Costs for customized WFDB products vary depending on the size and complexity of the requests. It is also important to note that the degree of detail for certain requests may limit data availability due to confidentiality concerns and, as a result, some data will be suppressed.

More information about the Whole Farm Data Base is available in the **Whole Farm Data Base Reference Manual** (available free of charge from the Agriculture Division) or by contacting:

Mario Ménard
Whole Farm Data Project
Farm Income and Prices Section
Agriculture Division
Statistics Canada
12th Floor, Jean Talon Building
Ottawa, Ontario K1A 0T6
Tel: (613) 951-2446
Fax: (613) 951-3868

SPATIAL ANALYSIS AND GEOMATICS APPLICATIONS

Background

Agriculture Division's Spatial Analysis and Geomatics Applications (SAGA) provides a variety of products and services using the tools and methodologies of digital image analysis and geographic information systems. The SAGA program has evolved from a remote sensing research and development emphasis to a much broader program that includes operational agricultural and environmental applications and custom mapping, image analysis and geomatics services.

Applications

The SAGA team has considerable experience and expertise in developing operational remote sensing and integrated geographic information

processing applications. These programs include:

- The Crop Condition Assessment Program (CCAP) provides weekly crop condition reporting for the Prairie provinces using low-resolution NOAA satellite data. This subscription service produces timely, quantitative and objective crop condition information at the Census Agricultural Region and Rural Municipality level. The weekly information package includes maps, graphs, tables and visual full-colour images.
- The Potato Area Estimation Program (PAEP) provides estimates of potato acreage in Prince Edward Island and New Brunswick using high-resolution digital data from the Landsat and SPOT satellites. Similar methodologies can be used to estimate areas of other crops such as canola, summerfallow and cereal grains in Western Canada. There are also many related applications that could use the satellite data available from the historical image archives kept by SAGA.

Ongoing research and development are an important aspect of the SAGA program. Current R & D efforts include:

- statistical estimation of Prairie crop yields using NOAA satellite and meteorological data
- land-use and land-use change analysis from high-resolution digital satellite imagery
- geographic information database design and setup
- the use of remote sensing for statistical Area Sampling Frame (ASF) construction
- the use of radar data to eliminate cloud cover problems and improve data timeliness
- validation of census information
- geostatistical integration of database software/hardware systems

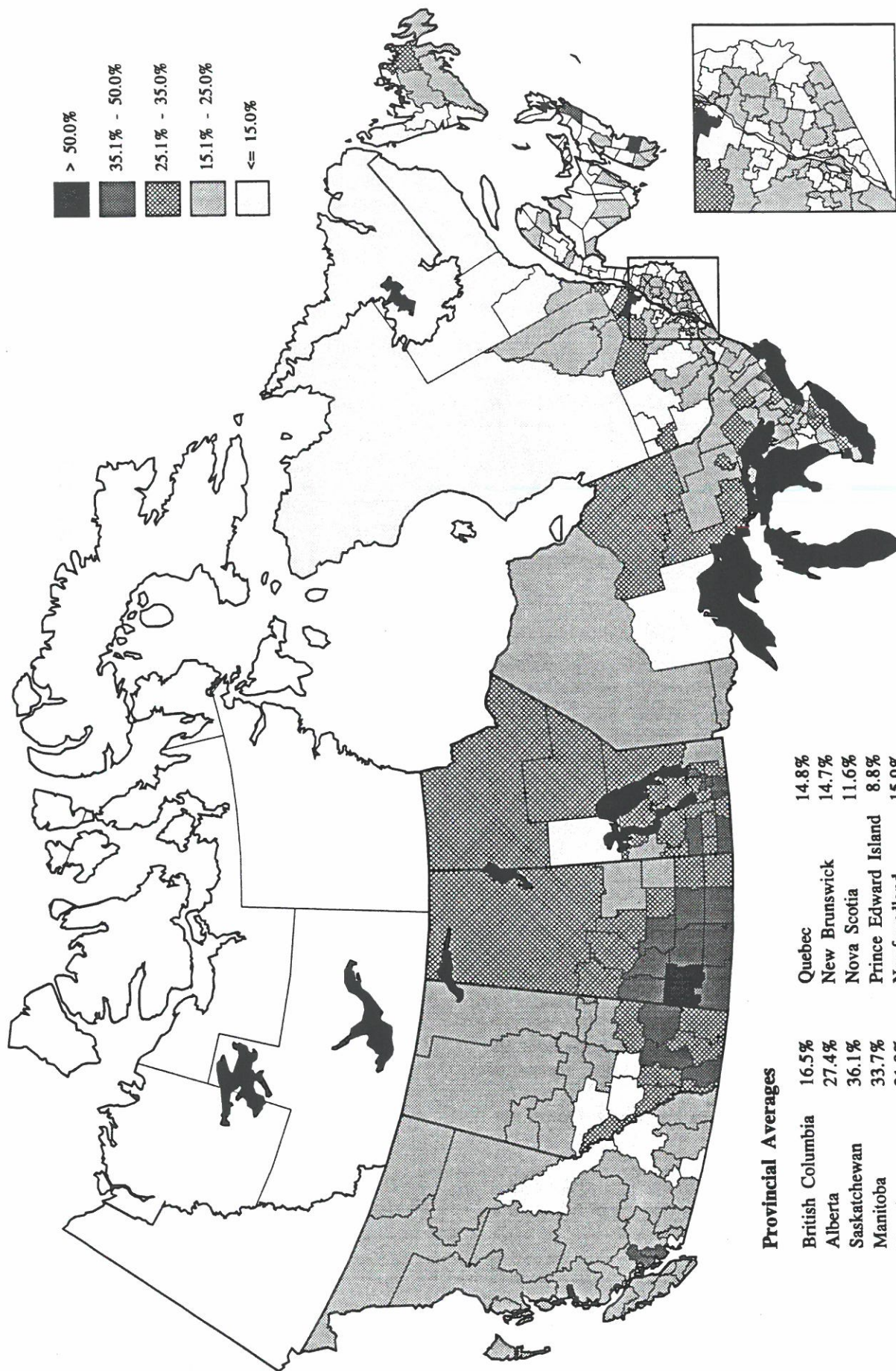
SAGA offers remote sensing and geostatistical services on a fee-for-services basis. In addition to the custom mapping and image analysis capabilities, other applications could include:

- estimation of crop and vegetation area and crop yields by user defined statistical units such as risk areas, management districts
- drought, insect and disease detection and analysis from satellite imagery
- remote sensing/geographic information system integration and custom mapping
- analysis and mapping of land-use classification and change monitoring
- statistical sample frame construction for surveys
- remote sensing consulting and training

For further information, please contact Ken Korporal at (613) 951-3872 or by FAX at (613) 951-3868.

LAND MANAGEMENT, 1991

Percentage of Total Land Prepared for Seeding Using Conservation or No-Till Methods



Source: 1991 Census of Agriculture, Agriculture Division, Statistics Canada

Produced by: Spatial Analysis and Geomatics Applications, Agriculture Division, Statistics Canada, 1993

OTHER CUSTOM TABULATION SERVICES

Custom data services are available for most of our surveys and databases, such as the National Farm Survey or Whole Farm database. If necessary, data can be combined from several different sources, including other Statistics Canada surveys. Also, custom data extractions from CANSIM are available at cost. For advice concerning custom data tabulations, contact Ray Bollman at (613) 951-3747, or the appropriate subject matter specialist as listed in this catalogue.

AGRICULTURE WORKING PAPERS SERIES

The Agriculture Division occasionally publishes working papers on research, analytical results, statistical techniques, methods and concepts. A list of some of these papers and an order form is included on page 31 of this catalogue.

AGRICULTURE DIVISION PRODUCTS FOR EDUCATORS

The Agriculture Division has developed a number of products which are suitable for the classroom setting and can be used in a variety of subject areas including social studies, geography, science and history. They combine data, graphics and visuals to give students an interesting perspective on Canadian agriculture.

Census of Agriculture Interactive Computer Quiz

A popular learning experience for junior and secondary students, the Census of Agriculture

computer quiz will challenge and entertain students while testing their knowledge of Canadian farming. Questions are based on the 1991 Census and on results from previous Censuses of Agriculture.

- \$5 each
- Available on 3.5-inch diskette for IBM or compatible computers (286 or higher)
- ATI or Paradise graphics board required. Contact (613) 951-8711

96-301 Canadian Agriculture at a Glance

This publication uses an exciting visual format of maps and graphs. Based on Census of Agriculture and Agriculture-Population databases, it will provide current perspectives and historical trends for key variables such as the average area per farm, average receipts per farm, land management practices, average education level of farm operators, etc. Secondary school and up. **A teacher's guide will be available.**

- Available June 1994
- Canada \$49
- Thirty percent discount to educational institutions.

10-545E Trends and Highlights of Canadian Agriculture and Its People

This publication features highlights of key data from the 1991 Census of Agriculture and the Census of Population, in two segments. Supplemented by tables and graphs, it discusses emerging trends in the agricultural sector and the people involved in Canadian agriculture.

The first segment highlights selected agricultural data such as farm type, receipts and expenses,

as well as age, sex, and marital status of farm operators and the farm population. The second segment focuses on socio-economic aspects, such as education and income of farm operators and the farm population. Secondary school and up.

- First segment, now available
- Second segment, November, 1993
- Canada: \$29
- Thirty percent discount to educational institutions.

21-522E Farming Facts

Using an interesting series of graphs and visuals, this informative 24-page handbook features a wide variety of Canadian agricultural activities – from fruit and vegetable production to farm machinery and equipment – plus a special trivia section "Who's first?" Published annually, the 1992 edition focuses on the 1991 Census of Agriculture.

- No charge
- Limited quantities available
- All grade levels

Crop Condition Assessment Program (CCAP) for Educational Institutions

Statistics Canada's satellite remote sensing unit provides information for monitoring crop growing conditions in Manitoba, Saskatchewan and Alberta on a weekly basis throughout the growing season.

A complete series of non-current CCAP products is available to bona fide educational institutions at a nominal cost of \$500 (plus taxes). The products include standard maps, graphs, tabular data and one-colour image product for each week of the CCAP (15 packages).

Secondary school and up. Contact Ken

Korporal (613) 951-3872.

For more information on these classroom products call toll free at 1-800-465-1991 or contact the Statistics Canada Regional Reference Centre nearest you (see page 26).

ELECTRONIC PRODUCTS AND SERVICES

CANSIM DATA BASES

CANSIM is Statistics Canada's computerized data base network and information retrieval service. The CANSIM Time Series Data Base contains about 500,000 time series collected from subject matter sources throughout Statistics Canada, as well as outside sources such as the Bank of Canada. **Currently 16,000 time series from Agriculture Division are on CANSIM.**

On-Line Access to CANSIM

The CANSIM Time Series Data Base is available to the public on-line at a commercial service bureau. Subsets of the complete base are available from licensed secondary distributors who in turn offer the public a wide variety of data access services.

CANSIM University Base

The CANSIM University Base is a data base, currently on magnetic tape, containing about 195,000 time series. It is offered exclusively to universities and colleges for the purposes of teaching and academic research. **Most of the 16,000 agriculture time series available on the CANSIM Time Series Data Base are also available on the University Base.** A new University Base comprising the full 500,000 series of CANSIM is available to universities and colleges through Internet in June 1993.

StatCan: CANSIM Disc (CD-ROM)

The StatCan: CANSIM Disc provides a compact cost-effective means of accessing all 500,000 CANSIM time series, **including the 16,000 agriculture series available from other CANSIM products**. It can be purchased for \$1,995 for an annual (one copy) subscription or \$2,995 for a semi-annual subscription. A discount of 50% is given to educational institutions who purchase this product.

More information about CANSIM products and services can be obtained from any Statistics Canada Regional Reference Centre or from:

Marketing Division
Statistics Canada
Ottawa, Ontario
K1A 0T6
Tel: (613) 951-8200
Fax: (613) 951-1134

E-STAT

E-STAT is a computer-aided learning tool developed by Statistics Canada for Canadian secondary schools. The E-STAT CD-ROM combines a selection of CANSIM time series with census profile information to provide an excellent statistical source to support secondary school curricula. A user-friendly software allows users to key word search the data bases, to retrieve and manipulate the data and to present the results in table, graph and map form. The package is well documented and includes teacher support materials. **The 16,000 agriculture time series present on the CANSIM products are also present on E-STAT.**

For more information about E-STAT please contact the nearest Statistics Canada Regional Reference Centre or from:

Ruth Kelly,
Dissemination Division
Statistics Canada
Ottawa, Ontario
K1A 0T6
Tel: (613) 951-1130
Fax: (613) 951-1134

TRADE DATABASES**Trade Information Enquiry and Retrieval System (TIERS)**

The Trade Information Enquiry and Retrieval System is a data and software package designed to expedite the recovery of Canadian trade information on a microcomputer. With data on over 16,000 import and 16,000 export commodities for 200 countries, **an important commodity category such as agricultural goods is well represented**. The system's user-friendly menu includes: Harmonized System descriptions; quantity, values, province, year, country and U.S. State code variables; and flexibility for output media.

TIERS also offers up-to-date monthly merchandise trade data from 1988; the availability of subsets of data; screen editing and ranking functions; aggregation function; and the capacity for multi-user or LAN access.

For more information, please contact:

Bansi Arora
International Trade Division
Statistics Canada
Ottawa, Ontario
K1A 0T6
Tel: (613) 951-9798
Fax: (613) 951-0117

World Trade Database

Like TIERS, the World Trade Database contains a significant number of commodities which are the result of agricultural activity. The World Trade Database is a matrix of international trade flows created from data reported by member countries of the United Nations Statistical Office and broken down by partner country and commodity. Countries are classified according to the Standard Classification of Customs areas and territories, commodities according to the Standard International Trade Classification (Revision 2) and industries according to the 1980 Canadian Standard Industrial Classification. The data are annual and the records currently extend over the period 1970 to 1992.

The database enables users to calculate market shares of anyone in any market defined in terms of geography or commodity; perform standard "constant" market share calculations as a means to measure countries' penetration in selected markets; compare the pace of change in the country and commodity structure of trade over time between different trading nations.

Information from the World Trade Database is available on tape, diskette, or computer printout. The cost of each individual request is based on volume and complexity, with each tabulation starting as low as \$130.

The World Trade Database is also available on CD-ROM, for the years 1980-1992. The CD-ROM is \$3,500, subject to licensing agreements, with a 50% discount to educational institutions.

For more information, please contact:

Client Services, International Trade Division
Statistics Canada, Ottawa, Ontario K1A 0T6
Tel: (613) 951-9647
Fax: (613) 951-0117

ENVIRONMENTAL INFORMATION SYSTEM

The Environmental Information System contains a wide variety of Statistics Canada socio-economic data series commonly used in analysis of environmental issues. This information can be restructured to suit specific needs of the environmental researcher or consultant. To date, the system has been used by researchers to estimate pollution emission levels; analyze pollutants from agriculture; gauge population pressures on ecosystems; assess land use change; estimate acid rain impacts; and to help estimate soil erosion.

A number of special geographic units are available, including river basins, ecological zones, soil zones, and wetland regions. For example, clients have been provided with socio-economic data tabulated for acid rain deposition zones, endangered species habitats, air pollution monitoring areas, and forest regions, among others.

Over 1,000 demographic, agriculture and manufacturing variables collected by Statistics Canada are maintained on the information system. Examples of these data include population and population change; dwelling characteristics; household facilities; agricultural land uses; agricultural cropping practices, fertilizer and pesticide use; industrial characteristics and activities.

For more information, please contact:

Phillip Fong
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National Accounts and Environment
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Ottawa, Ontario K1A 0T6
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1993 DATA RELEASES

All data are officially released in Statistics Canada's THE DAILY. This schedule shows data release dates for 1993 and early 1994. Copies of publications are usually printed within 2 to 4 weeks of the data release date.

Data Available	Cat. #	Title	Ref. Period	Public. Date
March 1993				
10	62-003	Farm Product Price Index	Jan. 1993	03-16-93
12	23-001	Dairy Review	Jan. 1993	03-26-93
18	Stat. Bltn.	Production of Eggs	Mar. 1993	03-18-93
24	22-007	Cereals and Oilseeds Review	Jan. 1993	03-29-93
April 1993				
14	23-001	Dairy Review	Feb. 1993	04-27-93
14	62-003	Farm Product Price Index	Feb. 1993	04-20-93
22	Stat. Bltn.	Production of Eggs	Apr. 1993	04-22-93
27	32-217	Stocks of Food Commodities in Cold Storage	1992	06-11-93
28	22-007	Cereals and Oilseeds Review	Feb. 1993	05-11-93
29	22-002	March Intentions of Principal Field Crop Area		04-29-93
30	21-205	Agricultural Financial Statistics	1991	04-30-93
May 1993				
10	23-202	Production of Poultry and Eggs	1992	06-09-93
10	62-003	Farm Product Price Index	Mar. 1993	05-17-93
12	22-002	Stocks of Canadian Grain at March 31, 1993		05-12-93
13	23-001	Dairy Review	Mar. 1993	05-26-93
15	23-603	Livestock Statistics		
19	Stat. Bltn.	Production of Eggs	May 1993	05-19-93
26	21-001	Farm Cash Receipts	Mar. 1993	06-07-93
26	21-603	Agriculture Economic Statistics		06-16-93
28	22-007	Cereals and Oilseeds Review	Mar. 1993	06-09-93
28	32-229	Per Capita Food Consumption, Part 1		06-25-93
June 1993				
9	62-003	Farm Product Price Index	Apr. 1993	06-17-93
11	23-001	Dairy Review	Apr. 1993	06-23-93
16	Stat. Bltn.	Fruit and Vegetable Area Survey	June 1993	07-06-93
18	22-202	Greenhouse Industry	1992	07-30-93
18	22-203	Nursery Trades Industry	1992	07-30-93
18	Stat. Bltn.	Production of Eggs	June 1993	06-18-93
21	22-201	Grain Trade of Canada	1991/92	06-21-93

Data Available:	Cat. #	Title	Ref. Period	Public. Date
28	22-007	Cereals and Oilseeds Review	Apr. 1993	07-07-93
30	22-002	Prelim. Estimates of Principal Field Crop Area		06-30-93
30	22-003	Fruit and Vegetable Production	June 1993	07-26-93
July 1993				
9	62-003	Farm Product Price Index	May 1993	07-19-93
13	23-001	Dairy Review	May 1993	07-28-93
16	Stat. Bltn.	Canadian Potato Production	July 1993	07-16-93
20	Stat. Bltn.	Production of Eggs	July 1993	07-20-93
28	22-007	Cereals and Oilseeds Review	May 1993	08-09-93
August 1993				
11	62-003	Farm Product Price Index	June 1993	08-18-93
13	23-001	Dairy Review	June 1993	08-27-93
19	Stat. Bltn.	Production of Eggs	Aug. 1993	08-19-93
19	21-001	Farm Cash Receipts	June 1993	08-31-93
25	22-002	July 31 Est. of Production of Principal Field Crops		08-25-93
27	22-007	Cereals and Oilseeds Review	June 1993	09-10-93
September 1993				
8	22-002	Stocks of Canadian Grain at July 31, 1993		09-08-93
10	Stat. Bltn.	Canadian Potato Production	Sept. 1993	09-10-93
10	62-003	Farm Product Price Index	July 1993	09-17-93
14	23-001	Dairy Review	July 1993	09-27-93
15	23-603	Livestock Statistics		
21	Stat. Bltn.	Production of Eggs	Sept. 1993	09-21-93
30	22-007	Cereals and Oilseeds Review	July 1993	10-12-93
October 1993				
7	22-002	September Est. of Production of Principal Field Crops		10-07-93
8	22-003	Fruit and Vegetable Production	Oct. 1993	10-22-93
8	62-003	Farm Product Price Index	Aug. 1993	10-15-93
14	23-001	Dairy Review	Aug. 1993	10-27-93
21	Stat. Bltn.	Production of Eggs	Oct. 1993	10-21-93
28	93-349	Profile of the Canadian Farm Population	June 1991	10-28-93
29	22-007	Cereals and Oilseeds Review	Aug. 1993	11-10-93
29	Stat. Bltn.	Honey and Maple Products	1993	10-29-93

Data Available:	Cat. #	Title	Ref. Period	Public. Date
November 1993				
10	62-003	Farm Product Price Index	Sept. 1993	11-19-93
15	23-001	Dairy Review	Sept. 1993	11-26-93
15	23-603	Livestock Statistics		
19	Stat. Bltn.	Canadian Potato Production	Nov. 1993	11-19-93
19	Stat. Bltn.	Production of Eggs	Nov. 1993	11-19-93
25	21-001	Farm Cash Receipts	Sept. 1993	12-07-93
25	21-603	Agriculture Economic Statistics		12-21-93
29	22-007	Cereals and Oilseeds Review	Sept. 1993	12-08-93
30	22-002	November Estimate of Production of Principal Field Crops		11-30-93
30	10-545	Trends and Highlights of Canadian Agriculture and Its People, 2nd Segment	June 1991	11-30-93
December 1993				
9	62-003	Farm Product Price Index	Oct. 1993	12-17-93
10	32-230	Per Capita Food Consumption, Part 2		01-14-94
13	23-001	Dairy Review	Oct. 1993	01-06-94
17	Stat. Bltn.	Production of Eggs	Dec. 1993	12-17-93
31	22-007	Cereals and Oilseeds Review	Oct. 1993	01-11-94
January 1994				
14	23-001	Dairy Review	Nov. 1993	01-27-94
14	62-003	Farm Product Price Index	Nov. 1993	01-21-94
28	22-007	Cereals and Oilseeds Review	Nov. 1993	02-09-94
TBA	96-308	People in Canadian Agriculture		
February 1994				
2	22-002	Stocks of Canadian Grain at Dec. 31, 1993		02-02-94
9	62-003	Farm Product Price Index	Dec. 1993	02-16-94
11	22-003	Fruit and Vegetable Production		02-25-94
11	23-001	Dairy Review	Dec. 1993	02-24-94
22	21-001	Farm Cash Receipts	Dec. 1993	03-04-94
28	22-007	Cereals and Oilseeds Review	Dec. 1993	03-09-94
June 1994				
30	96-301	Canadian Agriculture at a Glance	June 1991	06-30-94

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