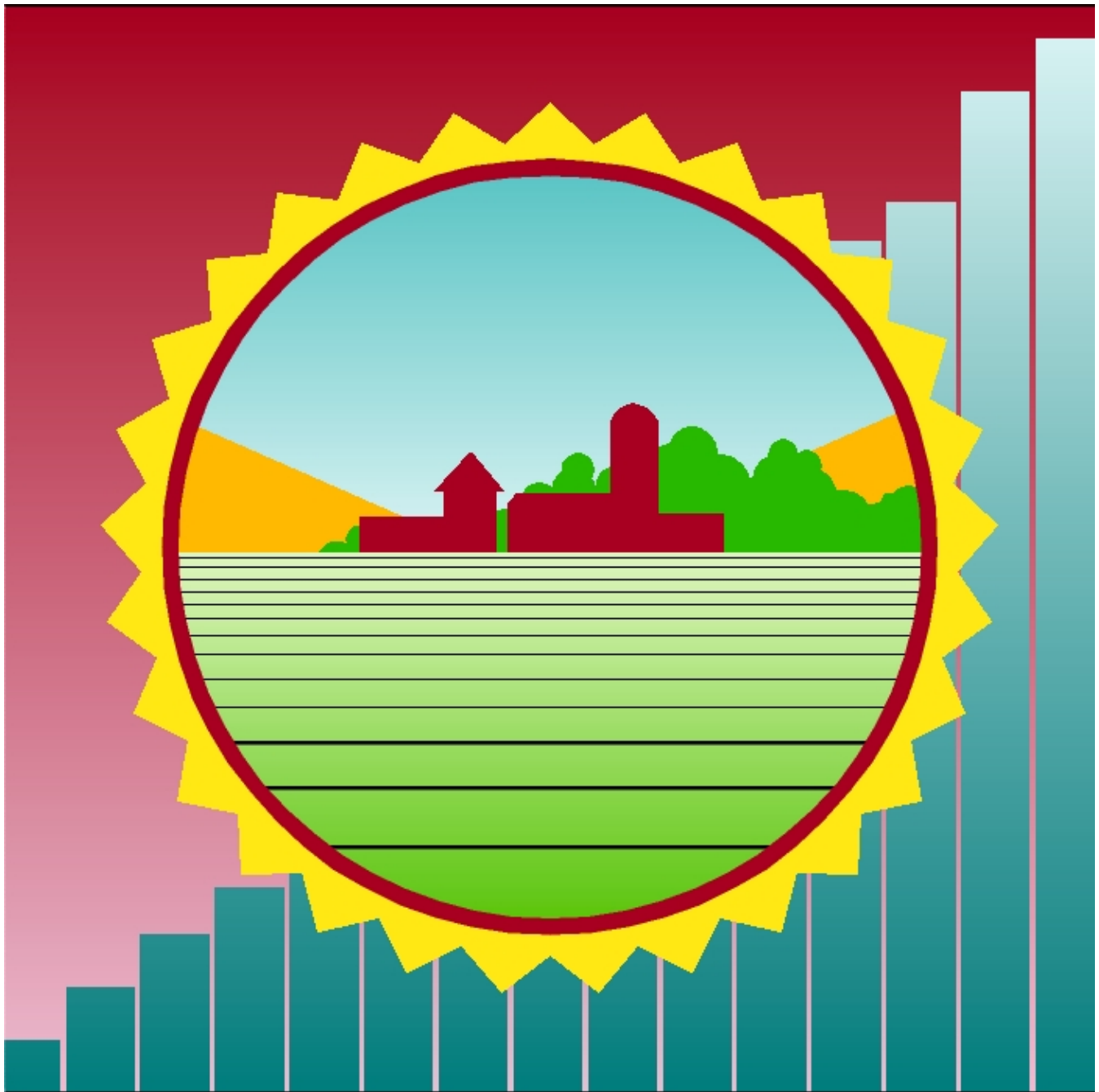




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Whole Farm Data Base Reference Manual

January 2001



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**Statistics Canada
Agriculture Division
Whole Farm Data Projects**

Whole Farm Data Base Reference Manual

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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.



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Whole Farm Data Base Reference Manual

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1.0 INTRODUCTION

Meeting Users' Needs

The Whole Farm Data Base (WFDB) is the product of a joint venture by Agriculture and Agri-Food Canada and Statistics Canada. It was developed with the intention to meet the increasing demands of users of agricultural statistics for more disaggregated data at the farm level. There are various potential users, from public sector policy-makers, to industry analysts and private sector decision-makers. The WFDB provides the means for users to evaluate agricultural policies and programs as well as analyze the viability, stability, and competitiveness of various farm businesses.

All the Information in a Single Base

Integrating into one base the agricultural data, which are available from administrative and survey sources, is the essence of the WFDB. While committed to reducing response burden, eliminating duplication and maximizing the use of existing resources, the WFDB can offer users access to a wider than ever range of disaggregated physical and financial data at the farm level.

A Guide to the Whole Farm Data Base

This manual was designed to familiarize potential users of the WFDB with the structure and quality of its data, as well as with other WFDB products and services.

2.0 WHOLE FARM DATA BASE

2.1 BACKGROUND

Since the mid-1920s, the Agriculture Division of Statistics Canada has been publishing data series depicting provincial levels and trends within the agriculture industry. Although timely and reliable, these series have not always satisfied the growing demand for more disaggregated farm level data.

In 1991, Agriculture and Agri-Food Canada obtained the funding to launch the Farm Level Data Project (FLDP) and provide the data necessary for monitoring the financial position of farm businesses; assessing the impact of changing policies, programs and economic conditions on farms; and administering and evaluating agricultural programs.

To meet this goal, Agriculture Division of Statistics Canada and Agriculture and Agri-Food Canada launched the Whole Farm Data Base (WFDB), an essential component of the FLDP. The ultimate objective of this base is to provide a set of physical and financial data at the farm level that is as complete as possible.¹ This is achieved by integrating data from various existing surveys and administrative sources to produce disaggregated statistics by farm type, revenue class and subprovincial geographic regions.

¹ For more information, please refer to "Report on User Consultations and Proposed Whole Farm Data Base Tabulations" Jan. 1992, Ménard, Chartrand and Culver, available from the Agriculture Division of Statistics Canada.

2.2 DATA BASE STRUCTURE

There are several major data sources currently offered in the WFDB which produce data annually, at the farm level: the Taxation Data Program (TDP), the National Farm Survey (NFS), the June Crops Survey (JCS), the July Livestock Survey (JLS), 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 was primarily structured to provide data for farms with reported annual revenues of \$10,000 and more.** The following components have been targeted for each source for the stated reference years:

- **Taxation Data Program**² – 1987 to 1998 – 1999³
 - detailed revenues and expenses
 - additions and disposals of assets⁴
 - operator off-farm income (unincorporated only)⁵
 - operator off-farm income (unincorporated and incorporated)⁶
 - farm family off-farm income⁷
- **National Farm Survey**^{8,9} – 1988 to 1992
 - cropland acreages
 - livestock inventories
 - certain financial components¹⁰
- **June Crops Survey**¹¹ – 1993 to 1998 – 1999¹²
 - cropland acreages
- **July Livestock Survey**¹¹ – 1993 to 1998 – 1999¹²
 - livestock inventories
- **Farm Financial Survey**¹³ – every two years from 1988 to 2000¹⁴
 - capital investments and sales
 - assets and liabilities
 - long-term capital borrowed

The sampling and methodology for each of these data sources are summarized in [Appendix C](#).

² The TDP did not cover the Prairie provinces from 1987 to 1989, also data for 1988 and 1989 are not available for the BC Peace River Region.

³ The final 1999 data will be available in March 2001.

⁴ The statistical series on additions and disposals of assets for 1996 and subsequent years does not cover the unincorporated sector.

⁵ Farm operators involved in a single farm operation.

⁶ Farm operators operating incorporated and unincorporated agricultural holdings. Data available since 1993.

⁷ Unincorporated sector only. Farm families involved in a single farm operation, 1989 to 1998 only.

⁸ Since the 1993 reference year, the NFS has been replaced by the June Crops Survey and the July Livestock Survey.

⁹ The NFS did not cover Newfoundland for 1992.

¹⁰ Prairie provinces only. These data are not available for 1992.

¹¹ The JCS did not cover Newfoundland from 1993 to 1997. This province was excluded from the JLS in 1993 and 1994.

¹² The 1999 data will be available in March 2001.

¹³ The FFS was originally collected by the Farm Credit Corporation under the name "Farm Survey". The dates are for reference years 1987 to 1999.

¹⁴ There was an FFS in 1993 (reference year 1992) that covered only the Prairie provinces and British Columbia.

2.3 SELECTION CRITERIA

The WFDB can produce tables using, as selection criteria, any of the variables available from each data source. However, the production of cross-tabulations using the various data sources is limited to a group of descriptive variables, known as the “core” variables. Financial data from the Taxation Data Program, for example, could not be tabulated by number of animals on a farm because this particular data source does not have any variables on livestock inventories.

The “core” variables are divided into three information groupings: regional information, farm activities, and farm operator. It is the “core” variables that enable the structured disaggregation of the WFDB. As these variables are common to most of the data sources, the data base is capable of offering tabulations with the same selection criteria (e.g., revenues and expenses from TDP, livestock inventories from JLS, and assets and liabilities from the FFS could all be produced for the same census division, farm type, and revenue class). **Although most of the core variables are available for each record, disaggregations will be somewhat limited by the data quality and the number of respondents for a given variable** (e.g., data cannot be disaggregated by a single postal code, however, the postal codes are included on the individual records, allowing a user to specify a group of codes to create a custom region).

The “core” variables are defined in [Appendix A](#).

2.4 STANDARD OUTPUT FORMATS

The WFDB can provide estimates for every variable collected from all data sources. To maintain data quality and consistency, a specific series of agricultural variables were developed for each data source. These standard output formats were developed to provide thorough coverage of the agriculture sector on an annual basis (see [table 2.1](#) on pages 4 to 9).

Most of the variables used from the National Farm, June Crops, July Livestock and Farm Financial Surveys data sources were drawn directly from the survey questionnaires. These variables are defined in the questionnaires (see [Appendix E](#)) and in the interviewer training manuals (available from [Agriculture Division](#)). In contrast, the TDP variables used in the standard outputs are predominantly custom aggregates of farm taxfiler data (see [Appendix B](#) for descriptions).

Table 2.1 Standard Output Formats

Taxation Data Program

R000 Estimated Number of Farms

Operating Revenues		Operating Expenses	
R400	All Wheat	R230	Fertilizer and Lime
R401	Oats	R235	Pesticides
R402	Barley	R240	Seed and Plants
R405	Canola (Rapeseed)	R264	Non-Specified Greenhouse and Nursery Expenses
R406	Soybeans	R265	Containers, Twine and Baling Wire
R407	Corn	R2102	Other Crop Expenses
R423	Other and Non-Specified Small Grains	R2105	Total Crop Expenses
R2002	Other and Non-Specified Grains and Oilseeds	R245	Cattle Purchases
R2005	Total Grain and Oilseed Revenues	R246	Swine Purchases
R410	Potatoes	R247	Poultry and Egg Purchases
R2006	Fruits and Vegetables	R248	Sheep and Lamb Purchases
R412	Tobacco	R249	Other Livestock Purchases
R415	Greenhouse and Nursery Products	R250	Feed, Supplements, Straw and Bedding
R435	Forage Crops (including Forage Seed)	R255	Veterinary Fees, Medicine and Breeding Fees
R437	Unspecified Crops (Quebec only) ¹⁵	R2107	Other Livestock Expenses
R2007	Other Crops	R2110	Total Livestock Expenses
R2010	Total Other Crop Revenues	R270	Small Tools
R2015	Total Crop Revenues	R2111	Net Fuel Expenses, Machinery, Truck, Auto
R2016	Cattle and Semen	R2112	Repairs, Licenses and Insurance
R441	Swine	R2120	Total Machinery Expenses
R2017	Poultry and Eggs	R2121	Salaries (including CPP, QPP, EI)
R443	Sheep and Goats	R2122	Rent
R2018	Dairy Products and Subsidies	R275	Insurance
R2019	Other Livestock and Products	R285	Telephone (Farm Share)
R2025	Total Livestock and Product Revenues	R2123	Net Electricity (Farm Share)
R2026	Program Payments	R295	Heating Fuel (Farm Share)
R475	Custom Work and Machine Rental	R300	Custom Work and Machine Rental
R2027	Rental Income	R2126	Net Interest Expenses
R490	Insurance Proceeds	R2127	Net Property Tax
R2028	Forest and Maple Products	R2128	Building and Fence Repairs
R2004	Cash Advances (Net)	R2129	Marketing Expenses
R2029	Miscellaneous Revenues	R2131	Miscellaneous Farm Expenses
R2035	Total Other Revenues	R2135	Total General Expenses
R2040	Total Operating Revenues	R2140	Total Operating Expenses
R458	Quota Sale Income	R2500	Net Operating Income
R469	CCA Recaptured	R310	Clearing and Improving Land
R2041	Inventory Adjustments	R316	Tile Drainage
R2042	Non-Applicable Income	R2141	Inventory Adjustments
R2045	Total Income Adjustments	R330	Capital Cost Allowance
R2050	Gross Farm Income for Tax Purposes	R331	Allowance on Eligible Capital Property
		R350	Non-Applicable Expenses
		R2142	Other Expense Adjustments
		R2145	Total Expense Adjustments
		R2150	Total Expenses for Tax Purposes

¹⁵ Applicable before the 1993 reference year.

Table 2.1 Standard Output Formats – Continued

Taxation Data Program – Concluded

R000 Estimated Number of Farms

Additions and Disposals of Assets ¹⁶ – Until the 1995 taxation year

Additions		Disposals	
S101	Class 1	S201	Class 1
S102	Class 2	S202	Class 2
S103	Class 3	S203	Class 3
S106	Class 6	S206	Class 6
S107	Class 7	S207	Class 7
S108	Class 8	S208	Class 8
S109	Class 9	S209	Class 9
S110	Class 10	S210	Class 10
S112	Class 12	S212	Class 12
S116	Class 16	S216	Class 16
S117	Class 17	S217	Class 17
S134	Class 34	S234	Class 34
S150	Quota	S250	Quota
S160	Other	S260	Other
S199	Total	S299	Total

R000 Estimated Number of Farms

Additions and Disposals of Assets ¹⁷ – Starting with the 1996 taxation year ¹⁸

Additions		Disposals	
S140	Equipment	S240	Equipment
S141	Building	S241	Building
S142	Land	S242	Land
S150	Quota	S250	Quota
S160	Other	S260	Other
S198	Total	S298	Total

R000 Estimated Number of Individuals or Farm Families

Off-Farm Income ¹⁹

T6010	Wages and Salaries
T6020	Net Business Income
T6030	Net Professional Income
T6040	Net Commission Income
T6050	Net Fishing Income
T6060	Net Off-Farm Self-Employment Income
T6070	Investment Income
T6080	Pension Income
T6090	Other Off-Farm Income
T6092	RRSP
T6105	Total Off-Farm Income (excluding T6091 Taxable Capital Gains)
T6091	Taxable Capital Gains
T6100	Total Off-Farm Income (including T6091 Taxable Capital Gains)

¹⁶ Net business portion.¹⁷ Net business portion. Since 1996, the data cover only the incorporated sector and the communal farming organizations.¹⁸ The 1999 data will be available in March 2001.¹⁹ The statistical series on off-farm income for farm operators operating incorporated or unincorporated agricultural holdings starts in 1993.

Table 2.1 Standard Output Formats – Continued

National Farm Survey

R000 Estimated Number of Farms

Crops: Land Use

C280	Total Wheat
C208	Oats
C209	Barley
C234	Canary Seed
C235	Fababeans
C213	Mixed Grains
C282	Total Rye
C216	Corn for Grain
C226	Buckwheat
C215	Canola (Rapeseed)
C228	Soybeans
C214	Flaxseed
C224	Mustard Seed
C230	Sunflower Seed
C1010	Total Grains and Oilseeds
C223	Dry Peas
C229	Beans (Dry, White)
C231	Lentils
C236	Beans (Dry, Coloured)
C1020	Total Dry Field Peas and Beans
C217	Corn for Fodder
C220	Tame Hay
C218	Potatoes
C221	Fruits and Vegetables
C227	Tobacco
C225	Other Crops
C1030	Total Other Crop Acreages
C1050	Total Crop Acreages
C222	Seeded Pasture
C219	Summerfallow
C241	Other Land
C1100	Total Area of Farms

Livestock Inventories

C403	Bulls 1 Year and Over
C404	Dairy Cows
C405	Beef Cows
C406	Dairy Heifers 1 Year and Over
C407	Beef Heifers 1 Year and Over
C402	Slaughter/Feeder Heifers 1 Year and Over
C408	Steers 1 Year and Over
C409	Calves Under 1 Year
C410	Total Cattle and Calves
C605	Boars 6 Months and Over
C606	Sows for Breeding and Bred Gilts
C607	Pigs < 45 lb (< 20 kg)
C608	Pigs 45 – 130 lb (20 - 60 kg)
C609	Pigs > 130 lb (> 60 kg)
C610	Total Pigs
C302	Ewes 1 Year and Over
C303	Lambs Under 1 Year – Breeding
C304	Lambs Under 1 Year – Slaughter
C301	Rams 1 Year and Over
C331	Wethers 1 Year and Over
C310	Total Sheep and Lambs
C323	Hens and Pullets 20 Weeks and Over
C325	Other Poultry
C335	Other Livestock
C1200	Total Other Livestock

Table 2.1 Standard Output Formats – Continued

June Crops Survey

R000 Estimated Number of Farms

Crops: Land Use

C280	Total Wheat	C217	Corn for Fodder
C208	Oats	C220	Tame Hay
C209	Barley	C218	Potatoes
C234	Canary Seed	C227	Tobacco ²⁰
C235	Fababeans	C225	Other Crops
C213	Mixed Grains	C1030	Total Other Crop Acreages
C282	Total Rye		
C216	Corn for Grain	C1050	Total Crop Acreages
C226	Buckwheat		
C215	Canola (Rapeseed)	C222	Seeded Pasture
C228	Soybeans	C219	Summerfallow
C214	Flaxseed	C241	Other Land
C224	Mustard Seed		
C230	Sunflower Seed	C1100	Total Area of Farms
C1010	Total Grains and Oilseeds		
C223	Dry Peas		
C229	Beans (Dry, White)		
C231	Lentils		
C236	Beans (Dry, Coloured)		
C1020	Total Dry Field Peas and Beans		

July Livestock Survey

R000 Estimated Number of Farms

Livestock Inventories

C403	Bulls 1 Year and Over	C302	Ewes and Wethers 1 Year and Over
C404	Dairy Cows	C303	Lambs Under 1 Year – Breeding
C405	Beef Cows	C304	Lambs Under 1 Year – Slaughter
C406	Dairy Heifers 1 Year and Over	C301	Rams 1 Year and Over
C407	Beef Heifers 1 Year and Over	C310	Total Sheep and Lambs
C402	Slaughter/Feeder Heifers 1 Year and Over		
C408	Steers 1 Year and Over		
C409	Calves Under 1 Year	C335	Other Livestock ²¹
C410	Total Cattle and Calves		
C605	Boars 6 Months and Over	C1300	Poultry ²²
C606	Sows for Breeding and Bred Gilts	C1301	Other Fowl ²²
C607	Pigs < 45 lb (< 20 kg)	C1302	Mammals ²²
C608	Pigs 45 – 130 lb (20 – 60 kg)		
C609	Pigs > 130 lb (> 60 kg)		
C610	Total Pigs		

²⁰ Applicable after the 1993 reference year.

²¹ Applicable for the 1994 reference year.

²² Applicable after the 1994 reference year and before the 1998 reference year.

Table 2.1 Standard Output Formats – Continued

Farm Financial Survey

R000 Estimated Number of Farms

Assets		Liabilities	
Current Assets		Current Liabilities	
F309	Cash, Bonds, Savings, Stocks, Shares, RRSP's ²³	F4401	Federal Government ²⁸
F658	Cash and Short Term Investments ²⁴	F401	Farm Credit Corporation ^{29,32}
F305	Accounts Receivable	F436	Advance Payments Program ²⁹
F306	Inputs	F403	Provincial Government
F307	Crops for Sale ²³	F410	Banks, Trusts, etc.
F661	Crops for Sale (including Greenhouse and Nursery) ²⁴	F405	Caisses Populaires and Credit Unions
F308	Market Livestock	F407	Machinery and Supply Companies
F659	Other Current Assets ²⁴	F408	Private Individuals
F3001	Total Current Assets	F409	Others ²⁹
		F441	Total Current Liabilities
Long-Term Assets		Long-Term Liabilities	
F301	Farm Land and Buildings Owned	F4402	Federal Government ³⁰
F302	Breeding and Replacement Livestock ²³	F481	Farm Credit Corporation ^{31,32}
F662	Breeding, Replacement and Other Livestock ²⁴	F483	Provincial Government
F303	Machinery and Equipment ²⁶	F480	Banks, Trusts, etc.
F317	Machinery and Equipment ²⁷	F485	Caisses Populaires and Credit Unions
F304	Quota	F487	Machinery and Supply Companies
F656	NISA ²⁵	F488	Private Individuals
F673	Long-Term Investments ²⁴	F489	Others ³¹
F663	Other Long-Term Investments ²⁴	F4001	Total Long-Term Liabilities
F3002	Total Long-Term Assets		
F391	Other Assets ²³	F4002	Total Farm Liabilities
F3003	Total Farm Assets	F450	Non-Farm Liabilities ²³
F350	Non-Farm Assets ²³	F4003	Total Net Worth

²³ Applicable before the 1997 reference year.²⁴ Applicable after the 1995 reference year.²⁵ Applicable after the 1993 reference year.²⁶ Applicable before the 1999 reference year.²⁷ Applicable after the 1997 reference year.²⁸ Applicable before the 1999 reference year. Current "Federal government" liabilities included Farm Credit Corporation (FCC), Advance Payments Program (APP) and other federal programs such as Central Mortgage and Housing Corporation (CMHC) and Business Development Bank of Canada (BDC) programs.²⁹ For 1999, FCC and APP liabilities are shown as separate categories, and the other federal liabilities are included in the "Others" category.³⁰ Applicable before the 1999 reference year. Long-term "Federal government" liabilities included Farm Credit Corporation and other federal programs such as Central Mortgage and Housing Corporation and Business Development Bank of Canada programs.³¹ For 1999, FCC liabilities are shown as a separate category, and the other federal liabilities are included in the "Others" category.³² For reference years prior to 1999, FCC liabilities are provided twice in the Standard Output Format: in a separate category and in "Federal government" liabilities.

Table 2.1 Standard Output Formats – Concluded

Farm Financial Survey – Concluded

R000 Estimated Number of Farms

Capital

Capital Investments

F201	Farm Real Estate Purchased
F202	Land Improvements
F203	House Construction or Major Renovation
F204	Other Building Construction or Renovation
F205	Breeding and Replacement Livestock
F206	Quota Purchased
F264	Gross Expenditures for Machinery and Equipment ³³
F261	Farm Machinery and Equipment ³⁴
F217	Other Farm Assets
F2001	Total Capital Investments ³⁵

F250 Total Non-Farm Investments ³⁶

Capital Sales

F233	Land and Buildings
F237	Machinery and Equipment Traded In ³³
F234	Machinery and Equipment Sold Outright
F235	Quota Sold
F236	Breeding and Replacement Livestock
F238	Other Farm Assets ³⁷
F2002	Total Capital Sales ³⁸

Long-Term Capital Borrowed

F5501	Federal Government ³⁹
F581	Farm Credit Corporation ^{40,41}
F583	Provincial Government
F580	Banks, Trusts, etc.
F585	Caisses Populaires and Credit Unions
F587	Machinery and Supply Companies
F588	Private Individuals
F589	Others ⁴⁰
F5001	Total Long-Term Capital Borrowed

³³ Applicable after the 1991 reference year.

³⁴ Applicable before the 1992 reference year.

³⁵ After the 1991 reference year, includes gross expenditures (before trade-in) on farm machinery and equipment. Before the 1992 reference year, includes net cost after trade-in.

³⁶ Applicable before the 1997 reference year.

³⁷ Applicable after the 1995 reference year.

³⁸ After the 1991 reference year, includes machinery and equipment traded in.

³⁹ Applicable before the 1999 reference year. Amount of capital borrowed from "Federal government" included Farm Credit Corporation and other federal agencies such as Central Mortgage and Housing Corporation and Business Development Bank of Canada.

⁴⁰ For 1999, the amount of capital borrowed from FCC is shown as a separate category, and the borrowings from other federal agencies are included in the "Others" category.

⁴¹ For reference years prior to 1999, borrowings from FCC are provided twice in the Standard Output Format: in a separate category and in the "Federal government" category.

2.5 DATA QUALITY

2.5.1 Sampling Errors

All of the estimates produced by the WFDB are derived from samples, making them subject to sampling errors. Such errors occur when observations are based only on a sample and not on the population as a whole. The size and design of the sample, the variability of the characteristic of interest in the population, and the estimation method all affect data quality. In sample surveys, inference is made about the entire population based on data obtained from a part of the population; therefore, the results are likely to be different than if a complete census was taken under the same survey conditions. The most important feature of probability sampling is that the sampling error can be measured from the sample itself.

Each estimate released through the WFDB is assigned a *coefficient of variation* (C.V.) to measure its quality. As an objective statistical measure obtained through random sampling of the variation between each estimate and its “true” value, the C.V. indicates the degree of confidence that should be placed on a particular estimate. The users must determine if an estimate with a significant C.V. is appropriate for use.

The following rating system is suggested when using figures within a specific C.V. range.

<u>Letter</u>	<u>C.V.</u>	<u>Rating</u>
a	0.01% - 4.99%	- very good
b	5.0 % - 9.99%	- good
c	10.0 % - 14.99%	- acceptable but use with caution
d	15.0 % - 24.99%	- use with caution unless independent data source concurs with the estimate value
e	25.0% and more	- unreliable

2.5.2 Non-Sampling Errors

Non-sampling errors can occur whether a sample is used or a complete census of the population is taken. Such errors can be introduced at various stages of data processing (such as coding, data entry, editing, weighting or tabulation) and include errors introduced inadvertently by respondents. Such errors are reduced through extensive edits and data analysis; however, there are some limitations. In Saskatchewan, due to the unreliability of the TDP Census Subdivision (CSD) breakdowns, Census Agricultural Regions (CARs) cannot be reliably determined. In addition, until the 1992 taxation year, the TDP was unable to assign farm types to certain crop farms in Quebec; these farms were classified as “unspecified crop farms”. This limitation has been addressed by subject-matter specialists. Since the 1993 taxation year, the “unspecified crop” revenues have been allocated to the crop type. Finally, TDP estimates for the Peace River Region in British Columbia are not available for 1988 and 1989.

2.6 CONFIDENTIALITY

Statistics Canada maintains a strict level of confidentiality. All tabulated data are subject to restrictions prior to release. Several computerized checks are performed on all data cells to prevent the publication or disclosure of any information deemed confidential.

For each of the tabulations produced, the *estimated number of farms* is rounded to the base "5" and the estimates of the other variables within that table are adjusted by a variable factor. The estimated number of farm families is rounded to the base "10". If the degree of detail required to answer user requests creates confidentiality concerns, the affected data or the entire table will be suppressed.

This method preserves the confidentiality of the data, without jeopardizing the quality of the actual estimates.

3.0 PRODUCTS AND SERVICES

3.1 INTRODUCTION

To satisfy a variety of user needs, the WFDB offers an assortment of products and services as well as customized products. The WFDB Project Team is dedicated to offering users the data they need whether on paper or electronic format.

3.2 ECONOMIC OVERVIEW OF FARM INCOMES – Bulletin Series

This series of bulletins entitled *Economic Overview of Farm Incomes* (Statistics Canada catalogue no. 21-005-XIE), produced jointly by Agriculture and Agri-Food Canada and Statistics Canada, presents readers with farm financial information and analysis based on data from the Taxation Data Program and other agricultural surveys.

The bulletins provide analysis of such key variables as revenues, expenses and net operating income by revenue class and by province, as well as information on the concentration of production and the degree of specialization for selected farm types. Data on the physical characteristics of farms, such as crop areas and livestock inventory numbers are also included. The first bulletin of this series provides an overview of all farms.

The bulletins are available free of charge on Statistics Canada's Internet site at <http://www.statcan.ca/cgi-bin/downpub/freepub.cgi> and on the Agriculture and Agri-Food Canada Internet site at <http://www.agr.ca/policy/epad>.

3.3 FARM FINANCIAL SURVEY (FFS) – Internet Publication

This electronic publication (Statistics Canada catalogue no. 21F0008XIB) is available free of charge on the Internet. It provides detailed regional statistics on the financial structure of Canadian farms. The publication includes balance sheet data (assets and liabilities) of farms by region, financial structure by farm type and region, and by revenue class and region, and capital investments and capital sales by region. In addition to presenting highlights from 1999, it also includes historical data. Charts and text outlining concepts, methods and data highlights supplement the tables.

New editions will be published every two years in December on Statistics Canada's Web site at <http://www.statcan.ca/cgi-bin/downpub/freepub.cgi>.

3.4 EXTRACTION SYSTEM OF AGRICULTURAL STATISTICS (ESAS) – CD-ROM

The *Extraction System of Agricultural Statistics* (ESAS) CD-ROM (Statistics Canada catalogue no. 21F0001XCB) is a compilation of the most commonly requested estimates from the Whole Farm Data Base. This CD-ROM product has been designed to provide you with desktop access to a wide array of physical and financial farm statistics. The system offers: a complete itemization of operating revenues and expenses; sources and levels of farm and off-farm income for operators and farm families; data on assets, liabilities and capital investments for farms; and information on land use and livestock inventories by region, farm type and revenue class. Users have the option of selecting pre-established tables or customizing a tabulation to meet specific needs. The resulting tabulations can be viewed on-line, printed, or exported to another computer application.

The ESAS CD-ROM is \$625. Annual updates are available for only \$295 after the purchase of the initial package. A discount is available to all educational institutions.

3.5 ESAS SEMI-CUSTOM SERVICE⁴² – CD-ROM

The ESAS semi-custom service was created for users who are interested in specific data sets found on ESAS. Users who want only one data source such as tax, for only one province, can now purchase these data sets with the ESAS retrieval software on CD-ROM. The ESAS semi-custom service data set combinations are listed on the [next page](#).

⁴² The ESAS semi-custom service, for every source, includes data for all the reference years, by CAR, by farm type and by sales class.

	TDP	NFS	JCS	JLS	FFS	All Sources
	CAN \$					
Canada and all provinces	249	249	249	249	249	ESAS⁴³
Atlantic Region	175	175	175	175	175	249
Newfoundland	125	125	125	125	125	199
Prince Edward Island	125	125	125	125	125	199
Nova Scotia	125	125	125	125	125	199
New Brunswick	125	125	125	125	125	199
Central Region	175	175	175	175	175	249
Quebec	125	125	125	125	125	199
Ontario	125	125	125	125	125	199
Western Region	175	175	175	175	175	249
Manitoba	125	125	125	125	125	199
Saskatchewan	125	125	125	125	125	199
Alberta	125	125	125	125	125	199
British Columbia	125	125	125	125	125	199

3.6 CUSTOMIZED REQUESTS

For specialized needs, users may request customized tables. Criteria for customized data should be outlined before ordering - the components required must be determined, (see [Section 2.2](#), for example, off-farm income, livestock inventories), the applicable data sources selected, and the appropriate variables for disaggregation chosen (such as farm type, revenue class, region).

Customized tables are available on paper or electronically on diskette, CD-ROM or by e-mail.

Due to the highly disaggregative level of certain requests, some data will be suppressed to ensure data confidentiality.

The cost of customized WFDB products varies depending on the size and the complexity of the request. The minimum cost for a request is \$50.

3.7 ORDERING WFDB PRODUCTS AND SERVICES

To order WFDB products and services or for more information, please write to the:
 Whole Farm Data Projects Section
 Agriculture Division
 Statistics Canada
 12th Floor, Jean Talon Building
 Ottawa, Ontario K1A 0T6

Other ways to reach us:

toll-free: 1 800 465-1991

local call: (613) 951-5027

fax: (613) 951-3868

e-mail: agriculture@statcan.ca

⁴³ ESAS: \$625 for the initial subscription; \$295 for annual updates.

APPENDIX A

DESCRIPTION OF CORE VARIABLES

REGIONAL INFORMATION

***Province:** Refers to the major political divisions of Canada. From a statistical point of view, provinces are a basic unit used to tabulate and cross-classify data.

***Census Agricultural Region¹:** More commonly referred to as a **CAR**, this subprovincial geographic area is used by the Census of Agriculture for disseminating agricultural statistics and the WFDB uses it for the same purpose. In all provinces except Prince Edward Island and Saskatchewan, a CAR is made up of groups of **adjacent census divisions**. In Saskatchewan, census agricultural regions are groups of **adjacent census consolidated subdivisions**, but these groups do not necessarily respect census division boundaries. Census agricultural regions have not been defined for Prince Edward Island. In the Prairie provinces, census agricultural regions are commonly referred to as crop districts.

Census Division: Refers to intermediate geographic areas between the census subdivision and the province level. They have been established by provincial law, with the exception of those in Newfoundland, Manitoba, Saskatchewan, and Alberta. In these provinces, the census divisions have been created by Statistics Canada in co-operation with the province. The census divisions correspond to existing counties, regional districts, regional municipalities, etc.

Census Subdivision: Applies to municipalities, as defined by provincial law, and geographic areas equivalent to municipalities. In Newfoundland, Nova Scotia, and British Columbia, the term also describes geographic areas that have been created by Statistics Canada as equivalents to municipalities, in co-operation with the provinces.

Enumeration Area: Term used by the census to refer to a geographic area canvassed by one census representative.

Federal Electoral District: These districts include any place or territorial area entitled to return a member to serve in the House of Commons (source: **Canada Elections Act**, 1990).

Postal Code: This is a six-digit alphanumeric code designed and maintained by Canada Post Corporation for the processing of mail (sorting and delivery).

FARM INFORMATION

***Farm Type:** For each data source, the type of farm is based on a percentage of agricultural sales. The commodity or commodity group that makes up 51% or more of the sales determines the **primary** farm type that will be assigned to an individual farm. Farms are also assigned a **secondary** farm type, which is determined by the next highest percentage of commodity sales. The *Standard Industrial Classification* (SIC 4 digit codes) acts as a basis for classifying the farm types. In some cases, the WFDB has added a fifth digit to the codes to further breakdown the farm type.

* Indicates variables currently available on ESAS.

¹ The CARs are outlined on the maps found in [Appendix D](#) (pages D1 to D9). All the maps are based on the **1996 Census of Agriculture boundaries**.

The **degree of specialization** is another “core” variable offered for further disaggregation. This variable is an indication of the level of concentration of total agricultural sales in relation to the sale of commodities or commodity groups as indicated by the farm type. For example, if a cattle farm realizes 90% of its total agricultural sales from the sale of cattle, then the degree of cattle specialization will be 90%.

Listed below are the 11 most commonly requested farm types. These are available for each of the data sources and they can also be found on the *Extraction System of Agricultural Statistics CD-ROM*. For a complete set of farm types and their respective availability see [Table A.1](#).

Farm Type	WFDB Code
Dairy	1110
Cattle	1120
Hog	1130
Poultry and Egg	1140
Livestock Combination	1190
Grain and Oilseed	9990
Potato	1380
Tobacco	1370
Fruit and Vegetable	1500
Greenhouse and Nursery	1625
Other Farm Types	9995

Each farm type has been defined according to the Standard Industrial Classification (SIC) ².

Dairy – 1110

Dairy farms are farms on which more than 50% of the gross agricultural revenue is derived from the sale of dairy products – milk and cream for example. This category includes farms with 40% or more of gross agricultural revenue derived from the sale of dairy products and 10% or more of the agricultural revenue from raising and selling dairy cattle.

Cattle – 1120

Cattle farms are those farms on which more than 50% of the gross agricultural revenue is derived from the sale of cattle. Beef cattle finishing, cattle feedlot operation, cattle for slaughter, and dairy heifer replacement stock are included in this category.

Hog – 1130

Hog farms are farms on which more than 50% of the gross agricultural revenue is derived from the sale of hogs, weanling (feeder) pigs and/or hog feedlot operations.

Poultry and Egg – 1140

Poultry and egg farms are farms on which more than 50% of the gross agricultural revenue is derived from the sale of poultry and eggs (including capons, chicken farming, geese, and pullets).

² The SIC is a system developed by Statistics Canada for arranging producing units into industries.

Livestock Combination – 1190

Livestock combination farms are farms selling livestock and livestock products, but no single product that accounts for more than 50% of the gross agricultural revenue.

Grain and Oilseed – 9990

Grain and oilseed farms are farms with gross agricultural revenue of more than 50% from the sale of wheat, small grains, oilseeds, grain corn, dry field peas and beans, and field crop combinations.

Potato – 1380

Potato farms are farms on which more than 50% of the gross agricultural revenue is derived from the sale of potatoes.

Tobacco – 1370

Tobacco farms are farms on which more than 50% of the gross agricultural revenue is derived from tobacco sales.

Fruit and Vegetable – 1500

Fruit and vegetable farms are farms deriving more than 50% of the gross agricultural revenue from the sale of fruits and/or vegetables. This category includes: various fruit orchards, berry farming, tree nut groves, vineyards, vegetable farms, market gardening, vegetable seed growing, etc.

Greenhouse and Nursery – 1625

Greenhouse and nursery farms are farms on which more than 50% of the gross agricultural revenue is derived from the sale of greenhouse and nursery products. Sod farms and nursery operations growing ornamental shrubs and trees and field grown flowers are included in this group.

Other Farm Types – 9995

All farms not included in the classifications above are considered other farm types. This group includes: sheep and goat farms, honey and other apiary product farms, horse and other equine farms, fur and skin ranches, forage, seed and hay farms, and mushroom farms.

***Revenue:** Refers to the total operating revenues. That is, all revenues from the sale of agricultural commodities as well as agriculture payments and subsidies. Also included are sales from forest products and interfarm sales.

The WFDB makes use of standard revenue classes, which are available for the pre-established tables. These pre-established classes are the same as those used by the Census of Agriculture when producing estimates. The levels are:

\$ 10,000	to	\$ 24,999
\$ 25,000	to	\$ 49,999
\$ 50,000	to	\$ 99,999
\$ 100,000	to	\$ 249,999
\$ 250,000	to	\$ 499,999
\$ 500,000	and more	

* Indicates variables currently available on ESAS.

Type of Organization: The types of organizations are defined as incorporated and unincorporated farms.

OPERATOR INFORMATION:

Age: Most data sources provide the age of the principal farm operator.

Sex: Data on the gender of the farm operator are also available from most data sources.

Marital Status: Marital status is defined by 5 variables: married, widowed, divorced, separated or single.

For further information about operator variables and their availability, contact [Agriculture Division](#).

Table A.1 Farm Type Codes and Availability

WFDB CODE	FARM TYPE	TDP	NFS	JCS	JLS	FFS
1100	LIVESTOCK	✓	✓	✓	✓	✓
1110	Dairy	✓	✓	✓	✓	✓
1120	Cattle	✓	✓	✓	✓	✓
1121	Cattle, cow-calf		✓			✓
1122	Cattle, feeders - cow-calf		✓			✓
1123	Cattle, feedlot cattle		✓			✓
1124	Cattle, other cattle		✓			✓
1130	Hogs	✓	✓	✓	✓	✓
1131	Hogs, farrowing		✓			✓
1132	Hogs, finishing		✓			✓
1133	Hogs, farrowing and finishing		✓			✓
1134	Hogs, other hogs		✓			✓
1140	Poultry and eggs	✓	✓	✓	✓	✓
1141	Poultry	✓	✓	✓	✓	✓
1142	Eggs	✓	✓	✓	✓	✓
1143	Turkeys					✓
1144	Other poultry					✓
1145	Hatchery ³	✓				
1149	Poultry and egg combination	✓	✓	✓	✓	
1150	Sheep, goats and lambs	✓	✓	✓	✓	✓
1190	Livestock combination	✓	✓	✓	✓	
1200	OTHER ANIMAL SPECIALTY	✓	✓	✓	✓	✓
1210	Honey and related products	✓		✓	✓	✓
1220	Horses and other equines					✓
1230	Furs and skins	✓		✓	✓	✓
1240	Aquaculture ³	✓				
1250	Artificial insemination ³	✓				
1290	Other animal specialty	✓	✓	✓	✓	✓
1299	Animal combination total	✓	✓	✓	✓	
1300	FIELD CROPS	✓	✓	✓	✓	✓
1310	Wheat	✓	✓	✓	✓	
1320	Small grains	✓	✓	✓	✓	✓
1330	Oilseeds	✓	✓	✓	✓	
1340	Grain corn	✓	✓	✓	✓	
1350	Forage crop	✓	✓	✓	✓	
1360	Dry peas and beans	✓	✓	✓	✓	
1370	Tobacco	✓	✓	✓	✓	✓
1380	Potatoes	✓	✓	✓	✓	✓
1390	Other field crops	✓	✓	✓	✓	✓
1396	Grains					✓
1397	Specialty crops					✓
1395	Crops unspecified (Quebec only) ⁴	✓				

³ Only applicable since the 1996 TDP.⁴ Applicable for final TDP estimates before 1993.

Table A.1 Farm Type Codes and Availability – Concluded

WFDB CODE	FARM TYPE	TDP	NFS	JCS	JLS	FFS
1400	FIELD CROP COMBINATION	✓	✓	✓	✓	
1405	Grains and oilseeds combination <i>(combination of wheat, small grains, oilseeds, grain corn, or dry peas and beans)</i>	✓	✓	✓	✓	
1409	Other field crop combination	✓	✓	✓	✓	
9990	ALL GRAINS AND OILSEEDS (including all of sections 1300 and 1400, except for 1350, 1370, 1380, 1390, 1397 and 1409)	✓	✓	✓	✓	✓
1500	FRUITS AND VEGETABLES	✓	✓	✓	✓	✓
1510	Fruits	✓		✓	✓	✓
1511	Apples			✓	✓	
1512	Blueberries			✓	✓	
1513	Other fruits			✓	✓	
1514	Fruit combination			✓	✓	
1520	Vegetables	✓		✓	✓	✓
1590	Fruit and vegetable combination	✓	✓	✓	✓	
1600	HORTICULTURE	✓	✓	✓	✓	✓
1610	Mushrooms	✓		✓	✓	
1620	Greenhouse					✓
1625	Greenhouse and nursery	✓	✓	✓	✓	
1690	Other horticultural products	✓		✓	✓	✓
1691	Ginseng	✓		✓	✓	
1692	Maple products	✓		✓	✓	✓
1693	Christmas trees	✓		✓	✓	
1694	Other horticultural specialty	✓		✓	✓	
1699	Horticulture combination	✓		✓	✓	
1700	LIVESTOCK, FIELD CROP and HORTICULTURE COMBINATION	✓	✓	✓	✓	✓
1800	NO FARM TYPE ASSIGNED	✓	✓	✓	✓	✓

APPENDIX B

DESCRIPTION OF TDP VARIABLES

DESCRIPTION OF TDP VARIABLES

The WFDB offers a wide range of physical and financial variables from several survey sources. The suggested formats are listed in [Table 2.1](#) (pages 4 to 9). Although other variables are available, those listed in the table are recommended as the most reliable estimates, maximizing the usefulness of each of the data sources.

The TDP suggested variables are listed and described below and on the subsequent pages. All of the 4 digit codes signify aggregations and their contents are listed and described wherever necessary.

Revenues

R2040 Total Operating Revenues – includes:

R2015 Total Crop Revenues – includes:

R2005 Total Grain and Oilseed Revenues– includes:

- R400 All Wheat – winter wheat, spring wheat, durum wheat, red spring wheat and utility wheat¹
- R401 Oats¹
- R402 Barley¹
- R405 Canola (Rapeseed)¹
- R406 Soybeans¹
- R407 Corn – grain corn and seed corn¹
- R423 Other and Non-Specified Small Grains – used when an aggregate amount or an amount for other small grains is reported¹
- R2002 Other and Non-Specified Grains and Oilseeds – rye, flaxseed, dry peas and beans (white beans, kidney beans, dry peas, dry lentils and dry pulses) and other and non-specified oilseeds¹

R2010 Total Other Crop Revenues– includes:

- R410 Potatoes – table potatoes, seed and processing potatoes
- R2006 Fruits and Vegetables – includes:
 - R421 all fruits
 - R411 vegetables (non-greenhouse) – artichokes, asparagus, wax and green beans, table beets, broccoli, Brussels sprouts, cabbage, carrots, cauliflower, celery, sweet corn, cucumbers, garlic, horseradish, leeks, lettuce, onions, peas, peppers, pumpkins, radishes, rhubarb, edible rutabagas (turnips), spinach, squash, tomatoes, and vegetable seeds
- R412 Tobacco – flue-cured, leaf and dark tobacco
- R415 Greenhouse and Nursery Products – nursery, greenhouse or floriculture operations. Also included are: ornamental plants, shrubs and trees; cut and field grown flowers; rooted cuttings; seeds and bulbs; and sod and turf farms.
- R435 Forage Crops (including Forage Seed) – hay, alfalfa, clover and clover seed, alsike clover, timothy and fescue, as well as grass seed farming
- R437 Unspecified Crops (Quebec only) – used when an aggregate amount for crop revenues is reported (applicable before 1993)

¹ Data for this variable are imputed to a greater extent for data years 1996 and beyond since the unincorporated source of electronically filed taxation data (EFILE) has no breakdown of grains and oilseeds available.

- R2007 Other Crops – includes:
 R413 ginseng
 R414 mushrooms
 R427 other field crops – sugar beets, hops, mangels and turnips (for livestock feed)

R2025 Total Livestock and Product Revenues – includes:

- R2016 Cattle – includes:
 R440 livestock sold - cattle – steers (feeder and stocker), heifers, cows (dairy and beef), calves and bulls
 R468 embryo transplants²
- R441 Swine – also referred to as hogs, weaners, gilts, feeders, sows, stags, boars, and pigs
- R2017 Poultry and Eggs – includes:
 R442 livestock sold - poultry – chicks, pullets, hens, cockerels, capons, commercial broilers and roasters, turkeys, ducks, geese and other fowl
 R445 eggs
 R497 chicks from hatcheries and hatching eggs³
- R443 Sheep and Goats – sheep, goats, lambs, wool, and goat milk
- R2018 Dairy Products and Subsidies – includes:
 R450 milk and cream – for both fluid and industrial purposes
 R455 dairy subsidies
- R2019 Other Livestock and Products – includes:
 R444 livestock sold - other – other livestock such as horses, ponies, dogs, etc.
 R460 bees, honey – bees, honey (natural and processed), and beeswax
 R461 furs – fur-bearing animals raised in captivity and/or fur pelts, includes fox ranching, chinchilla ranching, mink ranching, and rabbit farming
 R477 PMU (pregnant mare urine)
 R498 aquaculture³
 R499 artificial insemination, semen and stud service³

R2035 Total Other Revenues – includes:

- R2026 Program Payments – all stabilization payments income, crop insurance (insurance proceeds from federal or provincial programs for loss of crops), Christmas tree grants, subsidies, NISA (incorporated farms only), Special Grains Program, GRIP, other subsidies – subsidy income other than dairy subsidies (hog incentive programs, acreage payments, assistance for clearing land, government grants, etc.) and subsidies, reimbursements, rebates, patronage dividends, government payments, or payments from co-operatives – used when farm taxfiler reports an aggregate amount and no split can be obtained
- R475 Custom Work and Machine Rental – custom work, contract work, machinery leasing or rental, hauling, custom trucking, harvesting, combining, crop dusting or spraying, seeding, drying, packing, cleaning and treating of seeds
- R2027 Rental Income – includes:
 R457 quota rental income – (milk quota, tobacco quota, etc.)
 R481 rental income: land and buildings
 R482 other rental income – surface rental of oil or natural gas properties, right-of-way or road rent

² Prior to 1996, included also artificial insemination, semen and stud service.

³ Only available since 1996 in the TDP.

- R490 Insurance Proceeds – private insurance payments for loss of crops as a result of adverse weather conditions such as drought, loss of livestock due to disease or other causes, and other
- R2028 Forest and Maple Products – includes:
 R465 maple products – maple syrup, maple sugar, or maple taffy
 R470 wood (including stumpage fees) – logs, trees, wooden fence posts or any related forest products such as chips or slab wood
 R471 Christmas trees
 less R353 logging expenses
- R2004 Cash Advances (Net) – R425 cash advances less R315 cash advances repayment
 Note: this includes any Wheat Board Payments reported on statement.
- R2029 Miscellaneous Revenues – includes:
 R459 quota refund or levy refunds
 R467 sand or gravel – sand, gravel, soil or top soil
 R479 GST
 R480 patronage dividends – (grain pools, payments from cooperatives, co-op proceeds, etc.)
 R500 other farm income excluding rental income – miscellaneous, other or sundry income
 R508 profit share income (or share)
 R649 inputs bought for resale - sold – agricultural commodities sold which were bought, but no agricultural process applied to them (fertilizers sold for resale, chemicals sold for resale, wood sold for resale, etc.)
 R650 outputs bought for resale - sold – agricultural commodities bought in addition to what was grown or produced (grain, fruits, produce, vegetables or berries, etc.)
 R651 horse racing income (<100%) – relates to R354 horse racing expenses below (used when any horse racing expenses reported)
 less R351 inputs bought for resale (see R649 inputs bought for resale above)
 less R352 outputs bought for resale (see R650 outputs bought for resale above)
 less R354 horse racing expense (<100%) (see R651 horse racing income above)

R2045 Total Income Adjustments – includes:

- R458 Quota Sale Income
- R469 CCA Recaptured – capital cost allowance recovered, recaptured from last year, etc.
- R2041 Inventory Adjustments – includes:
 R510 optional value of livestock, end of current year – livestock inventories only (prior to 1990)
 R635 mandatory inventory adjustment⁴
 R641 optional inventory adjustment⁴
- R2042 Non-Applicable Income – income not earned from the sale of farm products

R2050 Gross Farm Income for Tax Purposes (R2040 + R2045)**Expenses****R2140 Total Operating Expenses – includes:****R2105 Total Crop Expenses – includes:**

- R230 Fertilizer and Lime

⁴ For definitions, please refer to *Farming Income Tax Guide* available from Canada Customs and Revenue Agency.

- R235 Pesticides – pesticides, herbicides, insecticides and fungicides or any other type of chemical such as sprays or dusts applied to crops or animals
- R240 Seed and Plants – also ornamental plants, rooted cuttings and bulbs
- R264 Non-Specified Greenhouse and Nursery Expenses – used when an aggregate amount is reported for greenhouse and nursery (prior to 1990)
- R265 Containers, Twine and Baling Wire – bags, containers, twine, all types of materials used to package, contain or ship farm produce or products
- R2102 Other Crop Expenses – includes:
- R314 irrigation – any expense directly associated with irrigation on the farm including water rights
 - R324 crop supplies – used when an aggregate or a single amount is reported for “crop supplies”
- R2110 Total Livestock Expenses – includes:**
- R245 Cattle Purchases – cattle, feeders, stockers, dairy or beef cows, bulls, and calves
- R246 Swine Purchases – hogs such as service boars, gilts, sows, and weanlings
- R247 Poultry and Egg Purchases – chicks, pullets, broilers, layer hens, ducks, geese, turkeys, and other fowl
- R248 Sheep and Lamb Purchases – sheep, lambs, and goats
- R249 Other Livestock Purchases – horses, ponies, minks, foxes, rabbits, ostriches, and bees (or colonies)
- R250 Feed, Supplements, Straw and Bedding – hay, straw, feed grains such as oats, barley, and corn; supplements such as salt, minerals, vitamins, concentrates and milk replacer; and bedding items such as shavings, chips, and sawdust
- R255 Veterinary Fees, Medicine and Breeding Fees – veterinary fees and medicine as well as breeding fees, stud service and semen, embryo transplants, disease testing, neutering or spaying
- R2107 Other Livestock Expenses – includes:
- R312 D.H.I.A. and animal grading – Dairy Herd Improvement Association expenses and animal grading
 - R323 dairy or livestock supplies
- R2120 Total Machinery Expenses – includes:**
- R270 Small Tools
- R2111 Net Fuel Expenses, Machinery, Truck, Auto – includes:
- R220 machinery and truck expenses – gasoline, diesel and oil
 - R225 automobile expenses (Farm Share) – gasoline and oil less R485 gasoline tax rebates
- R2112 Repairs, Licenses and Insurance – includes:
- R221 machinery and truck expenses – repairs, licenses and insurance
 - R226 automobile expenses (Farm Share) – repairs, insurance and licenses/permits

R2135 Total General Expenses – includes:

- R2121 Salaries (including CPP, QPP, EI) – includes:
R195 salaries (including CPP, QPP, or EI) – wages and salaries paid to hire help together with the cost of their board. Also includes wages and salaries paid to children and spouses and all employee benefits
less R605 salaries or wages paid to self
- R2122 Rent – includes:
R205 rent (land, buildings and pasture)
R318 quota rental
- R275 Insurance
- R285 Telephone (Farm Share)
- R2123 Net Electricity (Farm Share) – includes:
R290 electricity (Farm Share)
less R488 electricity rebates
- R295 Heating Fuel (Farm Share) – natural gas, coal or oil to heat farm buildings, as well as curing fuel for tobacco and fuel for crop-drying or greenhouses
- R300 Custom Work and Machine Rental – harvesting, combining, baling, threshing, crop dusting and spraying, soil preparation, planting and cultivating, grain drying, seed cleaning and treating, sheep dipping and shearing, livestock spraying, soil testing, blacksmithing, animal boarding and grooming, slaughtering, butchering, cutting and wrapping; and rental or leasing of machinery used for purpose of generating farm income
- R2126 Net Interest Expenses – includes interest paid on real estate mortgages, machinery loans, etc.
less R487 interest rebates
- R2127 Net Property Tax – includes:
R215 property taxes on agricultural land and buildings as well as farm share of principal dwelling, also school and municipal taxes
less R486 property tax or land rebates
- R2128 Building and Fence Repairs
- R2129 Marketing Expenses – includes:
R305 freight and trucking – transportation of agricultural products to market
R328 selling costs – commissions, auctioneering charges, or road side stands
R332 marketing board fees – e.g., Milk Marketing Board, Egg Marketing Board, also dairy levies, milk quota or quota penalties
- R2131 Miscellaneous Farm Expenses – includes:
R280 accounting, legal, office, advertising, memberships, subscriptions
R283 insurance program overpayment recapture
R284 GRIP
R308 share expenses
R311 sand, soil and gravel
R320 other farm expenses – miscellaneous or sundry
R321 other farm expenses
R322 farm supplies – e.g., oxygen and acetylene
R333 stabilization levies or fees (government levies)
R263 maple product expenses – when aggregate reported
R267 wood expenses – when aggregate reported
R307 raising expenses – when aggregate reported
R317 expense for bad debts (incorporated farms only)

R660 business use of home expense
 less R615 cost for saleable products consumed
 less R621 personal or non-business expenses

R2500 Net Operating Income – R2040 total operating revenues less R2140 total operating expenses

R2145 Total Expense Adjustments – includes:

R310 Clearing and Improving Land – drilling or digging wells, removing stumps or rocks, etc.

R316 Tile Drainage

R2141 Inventory Adjustments – includes:

R325 optional value of livestock, end of previous year – if value of livestock at end of previous year exceeds fair market value of livestock on hand, may be deducted (not valid for 1990 and subsequent years)

R326 mandatory inventory adjustment ⁵

R327 optional inventory adjustment ⁵

R330 Capital Cost Allowance – applies to amount deducted for depreciable property

R331 Allowance on Eligible Capital Property – all eligible capital expenditures to purchase intangible capital property for use in the farm business, e.g., milk quotas, tobacco quotas or other government rights for an unlimited period

R350 Non-Applicable Expenses – expenses not incurred in order to produce farm income

R2142 Other Expense Adjustments – includes:

R319 quota purchased

R334 capital expense

R309 capital tax

R2150 Total Expenses for Tax Purposes (R2140 + R2145)

Additions and Disposals of Assets – Until the 1995 taxation year

The following percentages represent the rate at which Canada Customs and Revenue Agency allows assets to be depreciated along with the more common items included in each class. For a more complete list of the depreciable assets included in each class, refer to the **Farming Income Tax Guide**.

Class 1	4% buildings acquired after 1987 dams
Class 2	6% permanent piping
Class 3	5% buildings acquired between 1978 and 1988 cement, steel, or stone docks cement or stone breakwaters

⁵ For definitions, please refer to **Farming Income Tax Guide** available from Canada Customs and Revenue Agency.

Class 6	10% wood breakwaters greenhouses fences – all types wood, galvanized, or portable buildings and component parts
Class 7	15% boats and component parts
Class 8	20% bee equipment grain or seed cleaners storage buildings drawn hay bailers and stokers tools over \$200 silo and silo fillers, etc.
Class 9	25% aircraft acquired after May 25, 1976 electric-generating equipment acquired before May 26, 1976 (not exceeding 15 Kw)
Class 10	30% automobiles (incl. passenger vehicles – Class 10.1) tractors, trailers, trucks, wagons, and sleighs, etc. computer hardware and systems software
Class 12	100% tools under \$200
Class 16	40% aircraft acquired before May 26, 1976
Class 17	8% roads and other surface areas (paved or concrete)
Class 34	25 - 50% wind-energy conversion equipment
Class 50	Quota ⁶
Class 60	Other ⁶

Additions and Disposals of Assets – Starting with the 1996 taxation year (incorporated sector and communal farming organizations only)⁷

Equipment (S140 and S240)

- class 7 boats and component parts
- class 8 bee equipment
grain or seed cleaners
storage buildings
drawn hay bailers and stokers
tools over \$200
silo and silo fillers, etc.
- class 9 aircraft acquired after May 25, 1976
electric-generating equipment acquired before May 26, 1976 (not exceeding 15 Kw)

⁶ Agriculture Division of Statistics Canada created these classes.

⁷ The 1999 data will be available in March 2001.

- class 10 automobiles (including passenger vehicles – Class 10.1)
tractors, trailers, trucks, wagons, and sleighs, etc.
computer hardware and systems software
- class 12 tools under \$200
- class 16 aircraft acquired before May 26, 1976
- class 17 roads and other surface areas (paved or concrete)
- class 34 wind-energy conversion equipment

Building (S141 and S241)

- class 1 buildings acquired after 1987
dams
- class 2 permanent piping
- class 3 buildings acquired between 1978 and 1988
cement, steel, or stone docks
cement or stone breakwaters
- class 6 wood breakwaters
greenhouses
fences – all types
wood, galvanized, or portable buildings and component parts

Land (S142 and S242)

- land

Quota ⁸ (S150 and S250)

- class 50 quota

Other ⁸ (S160 and S260)

- class 60 other

Total (S198 and S298)**Off-Farm Income ⁹****Total Off-Farm Income – includes:**

- T6010 Wages and Salaries – includes:
 - T101 employment income before deductions
 - T104 other employment income including tips and gratuities
less T109 deduction – other allowable expenses (applicable before 1988)
- T6020 Net Business Income
 - T135 business income
- T6030 Net Professional Income
 - T137 professional income
- T6040 Net Commission Income
 - T139 commission income
- T6050 Net Fishing Income
 - T143 fishing income
- T6060 Net Off-Farm Self-Employment Income

⁸ Agriculture Division of Statistics Canada created these classes.

⁹ The 3-digit codes (except TCHIL, FAQUE, FABC and FABEN) are all from the **Canada Customs and Revenue Agency Taxation T1 General Taxation Form**, which are defined in **Your Guide: Federal and Provincial Tax Guide and Returns**.

- T6070 Investment Income – includes:
- T120 taxable amount of dividends
 - T126 net rental income
 - T121 interest and other investment income
 - T122 net limited partnership income
- T6080 Pension Income – includes:
- T113 Old Age Security pension
 - T114 CPP and QPP
 - T115 other pensions or superannuation
 - T146 net federal supplements ¹⁰
- T6090 Other Off-Farm Income – includes:
- T118 family allowance payments (applicable before 1993)
 - T119 employment insurance benefits ¹¹
 - T128 alimony or separation allowance
 - T130 other income
 - T144 Workers' Compensation benefits ¹⁰
 - T145 social assistance payments ¹⁰
 - TCHIL child tax benefits ¹²
 - FAQUE Quebec family allowance ¹³
 - FABC British Columbia family allowance ¹⁴
 - FABEN family allowance ¹⁵
- T6092 RRSP
- T129 registered retirement savings plan income

T6105 Total Off-Farm Income (excluding T6091 Taxable Capital Gains)

- T6091 Taxable Capital Gains
- T127 taxable capital gains

T6100 Total Off-Farm Income (including T6091 Taxable Capital Gains)

¹⁰ Applicable after 1991.

¹¹ On July 1, 1996, the Unemployment Insurance program officially became known as the Employment Insurance program.

¹² The Child Tax Benefit (CTB) Program was introduced in January 1993 (CTB replaced family allowance payments). These benefits were not included in the 1993 off-farm income estimates.

¹³ Applicable for the 1994 to 1996 reference years. These benefits were only included in the off-farm family income estimates.

¹⁴ Applicable for the 1996 reference year. These benefits were only included in the off-farm family income estimates.

¹⁵ Starting in 1997, family allowances for Alberta, British Columbia, New Brunswick and Quebec are included under FABEN. Starting in 1998, provincial family allowances for Nova Scotia, Ontario and Saskatchewan are also included. Provincial family allowances are only included in the statistical series on off-farm family income.

APPENDIX C

SURVEY SAMPLES AND METHODOLOGIES

TAXATION DATA PROGRAM

The Sample

The Taxation Data Program (TDP) samples unincorporated and incorporated taxfiler records annually to estimate a range of financial agricultural variables. Detailed income and expenses, additions and disposals of assets, and off-farm income of operators and farm families compose the variables produced by the TDP. All of the standard variables and their codes are listed in [Table 2.1](#) (pages 4 and 5).

From 1987 to 1989, the TDP sampled both sectors (incorporated and unincorporated) for all of the non-Prairie provinces. The unincorporated sector of the Prairie provinces was sampled in 1987. For the 1990 taxation year and all subsequent years, the sample includes both sectors in all of the provinces.

For further information about the sample size of all surveys, refer to [Table C.1 WFDB - Provincial Data Availability and Sample Size by Sector](#).

The Methodology

TDP data are compiled from two separate sources: a random sample of **unincorporated income tax returns** selected from the Self-Employment File for Agriculture (SEFA); and a random sample of **incorporated tax returns** selected from the CORPAC file that were classified as farms according to the Standard Industrial Classification (SIC) with sales exceeding \$25,000. In 1999 in the unincorporated sector, the sampling rates varied from a complete census in Newfoundland to about 18% in Quebec. In the incorporated sector, they varied from a complete census in the Atlantic provinces to about 34% in Quebec. Starting with the 1996 taxation year, a substantial number of electronic tax returns have been used to complete the unincorporated sample of the taxation data. Starting with the 1997 taxation year, a substantial number of joint NISA-Canada Customs and Revenue Agency tax returns have also been used to complete the unincorporated sample. For the 1998 taxation year, a substantial number of General Index of Financial Information (GIFI) records have been used to complete the corporate sample.

Statistics Canada captures all necessary data (for example, reported revenues, expenses, and additions and disposals) from the incorporated farm tax records. For 1998, GIFI data supplied by the Canada Customs and Revenue Agency became a data source for the corporate sector. Unincorporated farm tax data are captured at various Canada Customs and Revenue Agency Regional Taxation Centres and forwarded to Statistics Canada in electronic form. The affected data are then subjected to a series of detailed edit and imputation procedures, after which they are expanded by the sampling “weight”, adjusted according to the partnership share, and aggregated to arrive at the final estimates.

More information on the sample and methodology of the Taxation Data Program is available from Agriculture Division of Statistics Canada.

Note: Since the 1993 taxation year, communal farming organizations have been in-scope for the Taxation Data Program. A census of communal organizations that reported farming

income on their T3 Trust Income Tax and Information Return is performed. Estimates with or without these organizations can be obtained.

TAXATION DATA PROGRAM – Off-Farm Income

There are three statistical series on off-farm income: farm operators operating incorporated or unincorporated agricultural holdings; farm operators operating single unincorporated agricultural holdings; and families operating single unincorporated agricultural holdings.

Items in total operator's off-farm income are estimated using the same approach as in the case of farm items except that the "weight" is not multiplied by the partnership share of the entity. However, the weight of entities involved in more than one farm is divided by the number of occurrences. These procedures also take into account corporations that do not provide the social insurance number of shareholders on their tax return. The calculated weighted off-farm income items are summed by domain to produce the total off-farm income items. These procedures take into account the possibility that the sampled records reporting farm income could include sales that should not be considered as agricultural sales.

The sample and methodology for estimates on off-farm family income differ somewhat from the rest of the TDP because they are the result of a record linkage. TDP tax records are linked with a family file to produce total estimates for farm families. The family file is created by the Small Area and Administrative Data Division (SAADD) within Statistics Canada. SAADD's family file (T1FF) combines individual taxation records in order to create groups modeled after *Census families*¹.

The TDP target family population (for off-farm family income statistics) is designed to include only those families operating single unincorporated agricultural holdings (single-farm families). The TDP family sample is in effect a subsample of the regular TDP sample.

More information on the sample and methodology of the TDP off-farm family estimates is available from Agriculture Division of Statistics Canada.

NATIONAL FARM SURVEY

The Sample

The National Farm Survey (NFS) was conducted annually until the 1992 reference year and covered all the provinces. The three main types of agricultural variables targeted were: cropland areas, livestock inventories, and certain financial components. All of the NFS variables that are recommended by the WFDB for the suggested formats are listed in [Table 2.1](#) (page 6). For the 1988-1992 reference years, a sample of over 40,000 farms was used.

The Methodology

Two types of sampling frames were used: a list frame and an area frame. The country was divided into three main geographical regions: the Canadian Wheat Board region (CWB),

¹ *Census families are defined as a husband and wife, legal or common law, with or without their never married children; or lone parent with at least one child, of any age, never married.*

Ontario and Quebec, and the Maritimes (along with the part of British Columbia not included in the CWB). All farms that registered annual agricultural sales of \$250 or more were included in the survey. The area frame is made up of geographic regions and allows us to include agricultural holdings that did not exist at the time of the last Census.

The data collection process began with detailed questionnaires requesting information on the size and use of farm land, detailed livestock inventories, and selected financial variables. These questionnaires then went through an extensive edit process which involved imputations for partial respondents. Sampling weights were adjusted for non-respondents and then assigned to the “usable” questionnaires to produce estimates.

JUNE CROPS SURVEY

The Sample

The June Crops Survey (JCS) is one of a series of annual probability surveys conducted for the main field crops in Canada in order to collect and disseminate data on seeding intentions, acreage seeded and harvested, yields, production and inventories.

In 1998, a sample of approximately 31,000 farms was drawn. This survey includes the acreage that growers seeded with field crops at the beginning of the 1998-1999 crop-year. All of the JCS variables that are recommended by the WFDB for the suggested formats are listed in [Table 2.1](#) (page 7).

The Methodology

Every five years, the Census of Agriculture gathers information on agricultural holdings throughout Canada, including institutional farms, community pastures, Indian reserves, etc. The Census of Agriculture provides a list of the farms and their productive acreage, and it is on the basis of this list that a probability sample for the June Crops Survey is selected.

Only the “list”-type frame is used for the June Crops Survey since 1996². In 1998, this list represented all agricultural holdings in Canada as enumerated in the Census of Agriculture, except for institutional farms, community pastures, farms on Indian reserves and farms in the territories. Prior to 1998, Newfoundland was excluded from the frame. This frame is stratified into homogeneous groups according to census characteristics (for example: farm size, productive acreage and farm type) and also according to provincial geographic boundaries.

The data collection process is undertaken through the system of “Computer-Assisted Telephone Interviews” (CATI). With the CATI system, edit procedures can be carried out during the interview itself, thus lessening the need for telephone follow-up and reducing the respondent burden. No imputation is carried out for missing data. Theoretical weighting factors are adjusted through a process called weighting factor adjustment in cases of partial or total non-response.

Note: The June Crops Survey data loaded on the WFDB are survey indicators and may differ from the estimates released by the Crops Section. The estimates in the WFDB have not been

² The Area Frame Survey was conducted for the last time in 1995.

adjusted to take into account administrative data and to reflect the results of the 1996 Census of Agriculture.

JULY LIVESTOCK SURVEY

The Sample

The July Livestock Survey (JLS) is a probability survey conducted each year. The farms surveyed are asked to report all animals within the agricultural holding, regardless of ownership.

In 1998, a sample was drawn of approximately 28,400 farms. Data were collected by means of the "Computer-Assisted Telephone Interviews" (CATI) system. All of the WFDB suggested formats for these data are listed in [Table 2.1](#) (page 7).

The Methodology

Every five years, through the Census of Agriculture, information is gathered on all farms in Canada. Census farms include all agricultural holdings whose output is intended for sale, including feedlots, institutional farms, farms on Indian reserves, community pasture reserves, etc.

Only the "list"-type frame is used for the July Livestock Survey since 1996³. In 1998, this list represented all farms identified in the most recent Census, except for institutional farms, community pastures, farms on Indian reserves and farms in the territories. In 1993 and 1994, Newfoundland was excluded from the frame.

The data collection process is conducted by CATI. With the CATI system, edit procedures can be carried out during the interview itself, thus lessening the need for telephone follow-up and reducing the respondent burden. Farmers must report their inventories as of July 1. The questionnaires are put through numerous edit and imputation procedures before the final estimates are produced.

Note: The July Livestock Survey data loaded on the WFDB are survey indicators and may differ from the estimates released by the Livestock and Animal Products Section. The estimates in the WFDB have not been adjusted to take into account administrative data and to reflect the results of the 1996 Census of Agriculture.

FARM FINANCIAL SURVEY

The Sample

Before 1992, the Farm Financial Survey (FFS) was known as the Farm Credit Corporation (FCC) survey. The FCC survey was conducted in 1981, 1984, 1988 and 1990 (collecting data for 1980, 1983, 1987 and 1989). Beginning in 1992, the FFS sampled about 12,000 farms to

³ The Area Frame Survey was conducted for the last time in 1995.

collect annual detailed financial data. In 1993, however, due to budget constraints, the FFS reduced its sample to include only the Prairie provinces and British Columbia. Since 1994, this survey has been conducted on a biennial basis only. While the relatively small sample size may constrain some disaggregations, it is capable of providing reliable financial agricultural data. For 2000, the sample size was 18,000 farms and the data collection process was again conducted by the “Computer-Assisted Telephone Interviews” (CATI) system. All of the WFDB suggested formats for these data are listed in [Table 2.1](#) (pages 8 and 9).

The Methodology

The Farm Financial Survey uses only a list frame since 1996⁴ to estimate detailed financial variables. For FFS 2000, a sample of 316 farms, randomly selected, was added to the list in an attempt to compensate for the undercoverage due to the 1996 Census itself, and new farms which started their activities since the Census. Tax data files were the main source for additional farms. Completed survey questionnaires are subjected to several edit and imputation procedures before the actual estimates are finalized.

More information on the sample and methodology of the *Farm Financial Survey* is available in the publication *Farm Financial Survey* (refer to [Section 3.3](#) entitled *Farm Financial Survey (FFS) – Internet Publication*).

More detailed information on the methodology of the National Farm Survey, the June Crops Survey, the July Livestock Survey and the Farm Financial Survey is available from [Agriculture Division](#) of Statistics Canada.

⁴ The Area Frame Survey was conducted for the last time in 1995. Also, there was no area frame in 1988.

Table C.1 WFDB – Provincial Data Availability and Sample Size by Sector (Standard Output Format)

Reference Year	Variables	Availability	Sample Size ⁵ Usable Records		
			Unincorporated Sector (T1)	Incorporated Sector (T2)	Total
Taxation Data Program			Number of Tax Records		
1987	Revenues & expenses and Additions & disposals	All provinces except Prairies	36,301	4,384	40,685
	Operator off-farm income (T1 only) ⁶	All provinces except Prairies	34,628	-	34,628
1988 ⁷	Revenues & expenses and Additions & disposals	All provinces except Prairies	25,210	4,592	29,802
	Operator off-farm income (T1 only) ⁶	All provinces except Prairies	24,338	-	24,338
1989 ⁷	Revenues & expenses and Additions & disposals	All provinces except Prairies	26,033	4,583	30,616
	Operator off-farm income (T1 only) ⁶	All provinces except Prairies	25,034	-	25,034
	Farm family off-farm income	All provinces except Prairies	21,691	-	21,691
1990	Revenues & expenses and Additions & disposals	All provinces	39,542	9,223	48,765
	Operator off-farm income (T1 only) ⁶	All provinces	37,294	-	37,294
	Farm family off-farm income	All provinces	31,726	-	31,726
1991	Revenues & expenses and Additions & disposals	All provinces	48,616	9,862	58,478
	Operator off-farm income (T1 only) ⁶	All provinces	45,964	-	45,964
	Farm family off-farm income	All provinces	39,079	-	39,079
1992	Revenues & expenses and Additions & disposals	All provinces	49,826	9,553	59,379
	Operator off-farm income (T1 only) ⁶	All provinces	46,780	-	46,780
	Farm family off-farm income	All provinces	40,286	-	40,286
1993	Revenues & expenses and Additions & disposals	All provinces	56,069	9,309	65,378 ⁸
	Operator off-farm income (T1 only) ⁶	All provinces	52,725	-	52,725
	Operator off-farm income	All provinces	56,069	12,090	68,815
	Farm family off-farm income	All provinces	44,911	-	44,911
1994	Revenues & expenses and Additions & disposals	All provinces	53,810	10,640	64,450 ⁸
	Operator off-farm income (T1 only) ⁶	All provinces	50,164	-	50,164
	Operator off-farm income	All provinces	53,810	14,246	68,056
	Farm family off-farm income	All provinces	42,620	-	42,620
1995	Revenues & expenses and Additions & disposals	All provinces	90,547	11,669	102,216 ⁸
	Operator off-farm income (T1 only) ⁶	All provinces	86,439	-	86,439
	Operator off-farm income	All provinces	90,547	15,644	106,191
	Farm family off-farm income	All provinces	68,177	-	68,177

⁵ Number of usable records with operating revenues equal to or greater than \$10,000.⁶ Off-farm income for operators involved in a single farm operation – unincorporated sector only.⁷ Data for 1988 and 1989 are not available for the BC Peace River Region.⁸ Excludes communal organizations.

Table C.1 WFDB – Provincial Data Availability and Sample Size by Sector (Standard Output Format) – Continued

Reference Year	Variables	Availability	Sample Size ⁹ Usable Records		
			Unincorporated Sector (T1)	Incorporated Sector (T2)	Total
Taxation Data Program – Concluded			Number of Tax Records		
1996	Revenues & expenses and Additions & disposals ¹⁰	All provinces	110,404	11,453	121,857 ¹¹
	Operator off-farm income (T1 only) ¹²	All provinces	104,925	-	104,925
	Operator off-farm income	All provinces	110,404	15,399	125,803
	Farm family off-farm income	All provinces	81,929	-	81,929
1997	Revenues & expenses and Additions & disposals ¹⁰	All provinces	114,351	11,782	126,133 ¹¹
	Operator off-farm income (T1 only) ¹²	All provinces	109,608	-	109,608
	Operator off-farm income	All provinces	114,351	15,665	130,016
	Farm Family off-farm income	All provinces	84,053	-	84,053
1998	Revenues & expenses and Additions & disposals ¹⁰	All provinces	129,449	8,800	138,249 ¹¹
	Operator off-farm income (T1 only) ¹²	All provinces	123,965	-	123,965
	Operator off-farm income	All provinces	129,449	11,185	140,634
	Farm Family off-farm income	All provinces	93,450	-	93,450
Reference Year	Variables	Availability	Sample Size ⁹ Usable Records		
			Unincorporated Sector	Incorporated Sector	Total
National Farm Survey			Number of Farms		
1988	Cropland acreages	All provinces	16,043	5,186	21,229
	Livestock inventories	All provinces	16,043	5,186	21,229
	Certain financial components	Prairie provinces	4,559	597	5,156
1989	Cropland acreages	All provinces	20,480	5,791	26,271
	Livestock inventories	All provinces	20,480	5,791	26,271
	Certain financial components	Prairie provinces	4,560	550	5,110
1990	Cropland acreages	All provinces	19,749	5,654	25,403
	Livestock inventories	All provinces	19,749	5,654	25,403
	Certain financial components	Prairie provinces	4,667	583	5,250
1991	Cropland acreages	All provinces	20,050	5,948	25,998
	Livestock inventories	All provinces	20,050	5,948	25,998
	Certain financial components	Prairie provinces	4,458	544	5,002
1992	Cropland acreages	All except Newfoundland	23,497	5,887	29,384
	Livestock inventories	All except Newfoundland	23,497	5,887	29,384
	Certain financial components	None	-	-	-
June Crops Survey					
1993	Cropland acreages	All except Newfoundland	18,523	2,156	20,679
1994	Cropland acreages	All except Newfoundland	19,676	2,246	21,922
1995	Cropland acreages	All except Newfoundland	18,863	2,228	21,091
1996	Cropland acreages	All except Newfoundland	21,259	2,435	23,694
1997	Cropland acreages	All except Newfoundland	19,440	2,211	21,651
1998	Cropland acreages	All provinces	20,679	2,038	22,717

⁹ Number of usable records with operating revenues equal to or greater than \$10,000.¹⁰ Starting in 1996, Additions and Disposals cover only T2 and T3.¹¹ Excludes communal organizations.¹² Off-farm income for operators involved in a single farm operation – unincorporated sector only.

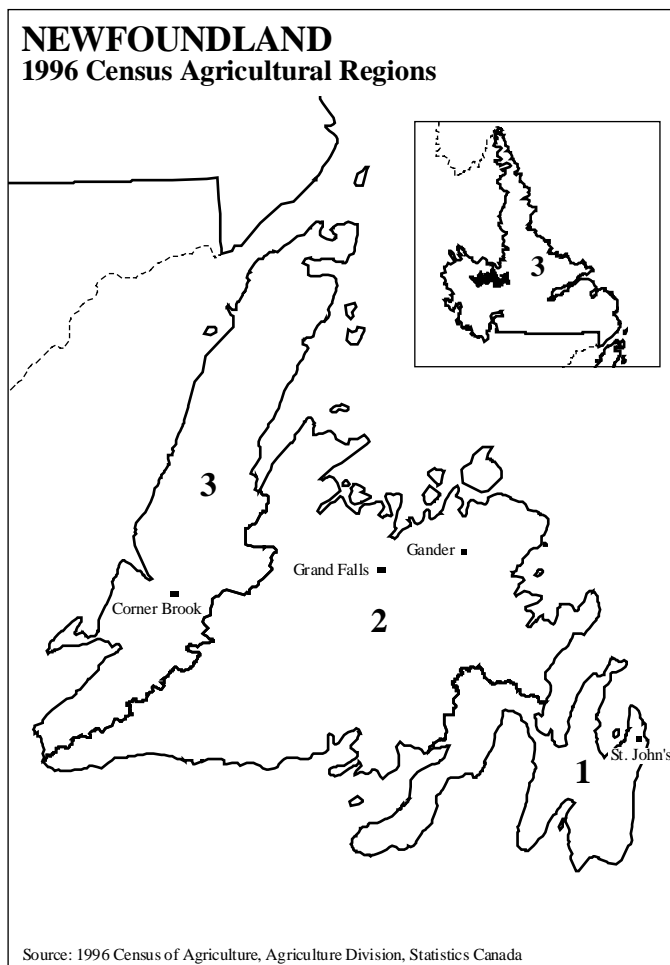
Table C.1 WFDB – Provincial Data Availability and Sample Size by Sector (Standard Output Format) – Concluded

Reference Year	Variables	Availability	Sample Size ¹³ Usable Records		Total
			Unincorporated Sector	Incorporated Sector	
July Livestock Survey			Number of Farms		
1993	Livestock inventories	All except Newfoundland	19,588	2,772	22,360
1994	Livestock inventories	All except Newfoundland	20,082	2,700	22,782
1995	Livestock inventories	All provinces	18,942	2,646	21,588
1996	Livestock inventories	All provinces	18,488	2,619	21,107
1997	Livestock inventories	All provinces	16,561	2,380	18,941
1998	Livestock inventories	All provinces	18,792	2,389	21,181
Farm Financial Survey					
1987	Assets & liabilities Capital investments & sales Long-term capital borrowed	All provinces	4,133	1,148	5,281
1989	Assets & liabilities Capital investments & sales Long-term capital borrowed	All provinces	4,082	1,247	5,329
1991	Assets & liabilities Capital investments & sales Long-term capital borrowed	All provinces	6,018	1,455	7,473
1992	Assets & liabilities Capital investments & sales Long-term capital borrowed	Prairie provinces and B.C.	3,836	584	4,420
1993	Assets & liabilities Capital investments & sales Long-term capital borrowed	All provinces	6,795	1,214	8,009
1995	Assets & liabilities Capital investments & sales Long-term capital borrowed	All provinces	6,038	1,394	7,432
1997	Assets & liabilities Capital investments & sales Long-term capital borrowed	All provinces	10,364	3,210	13,574
1999	Assets & liabilities Capital investments & sales Long-term capital borrowed	All provinces	9,919	3,539	13,458

¹³ Number of usable records with operating revenues equal to or greater than \$10,000.

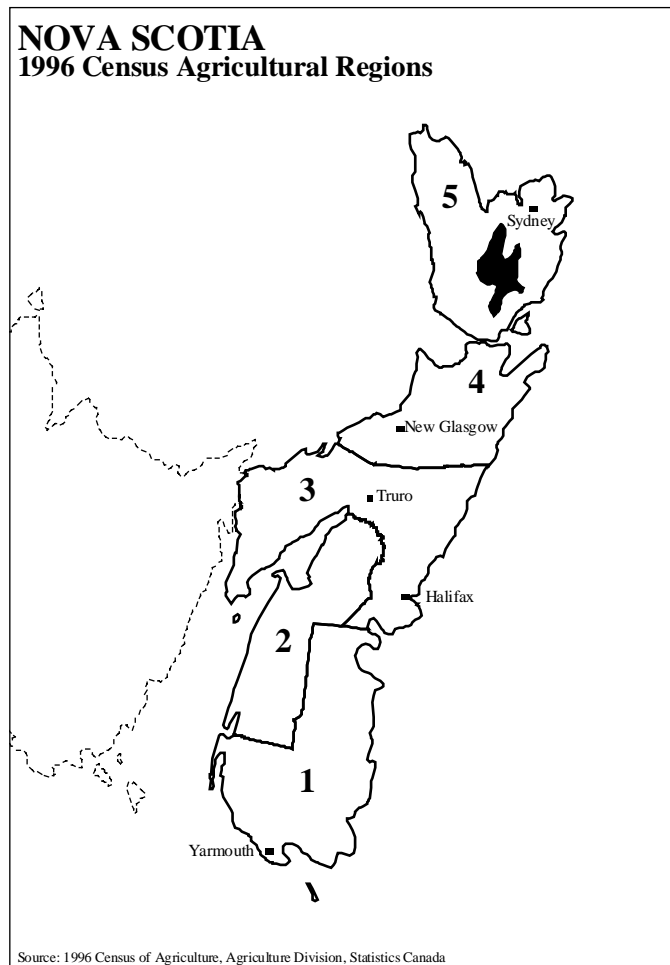
APPENDIX D

CENSUS MAPS



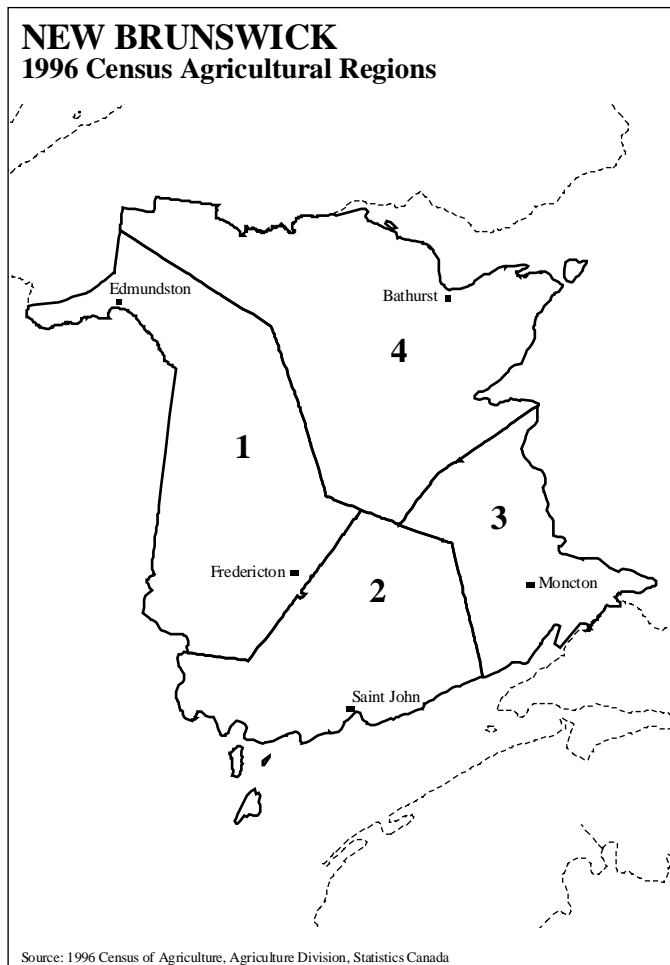
Newfoundland

- 1 Census Agricultural Region 1
- 2 Census Agricultural Region 2
- 3 Census Agricultural Region 3



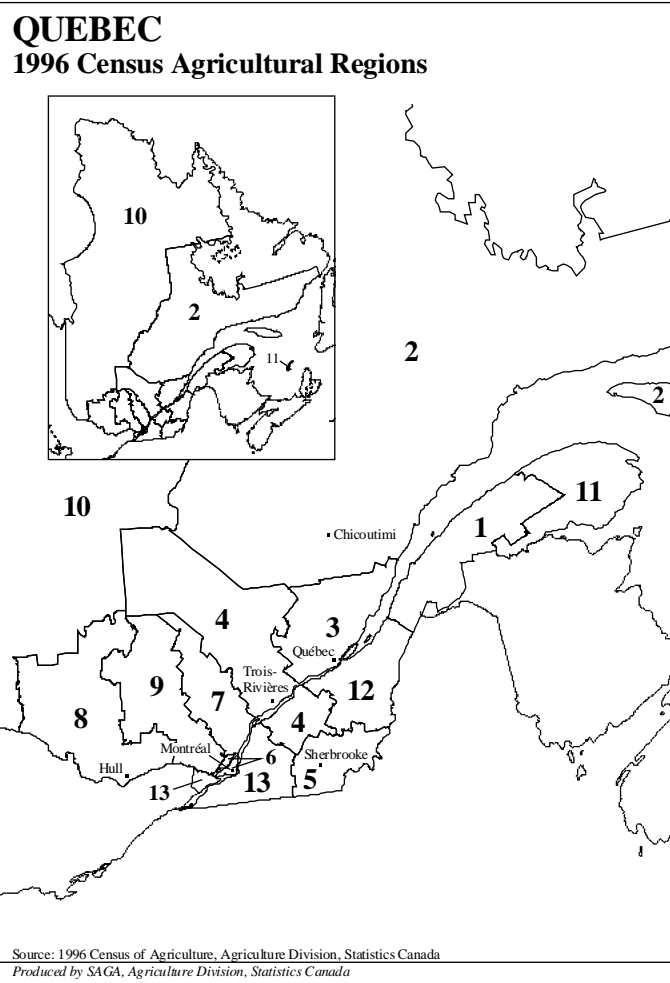
Nova Scotia

- 1 Census Agricultural Region 1
- 2 Census Agricultural Region 2
- 3 Census Agricultural Region 3
- 4 Census Agricultural Region 4
- 5 Census Agricultural Region 5



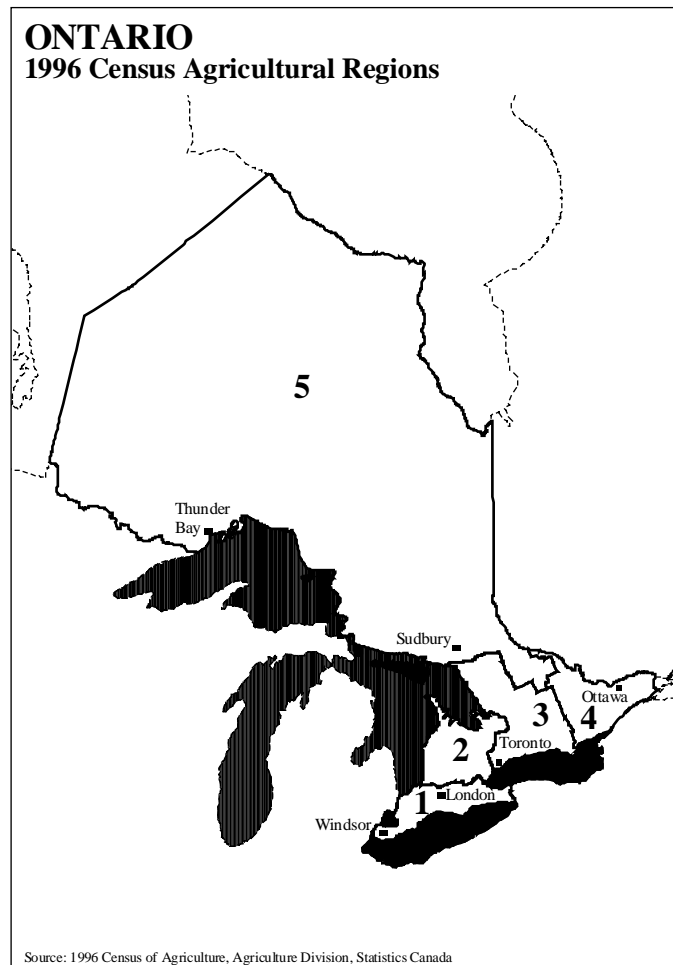
New Brunswick

- 1 Census Agricultural Region 1
- 2 Census Agricultural Region 2
- 3 Census Agricultural Region 3
- 4 Census Agricultural Region 4



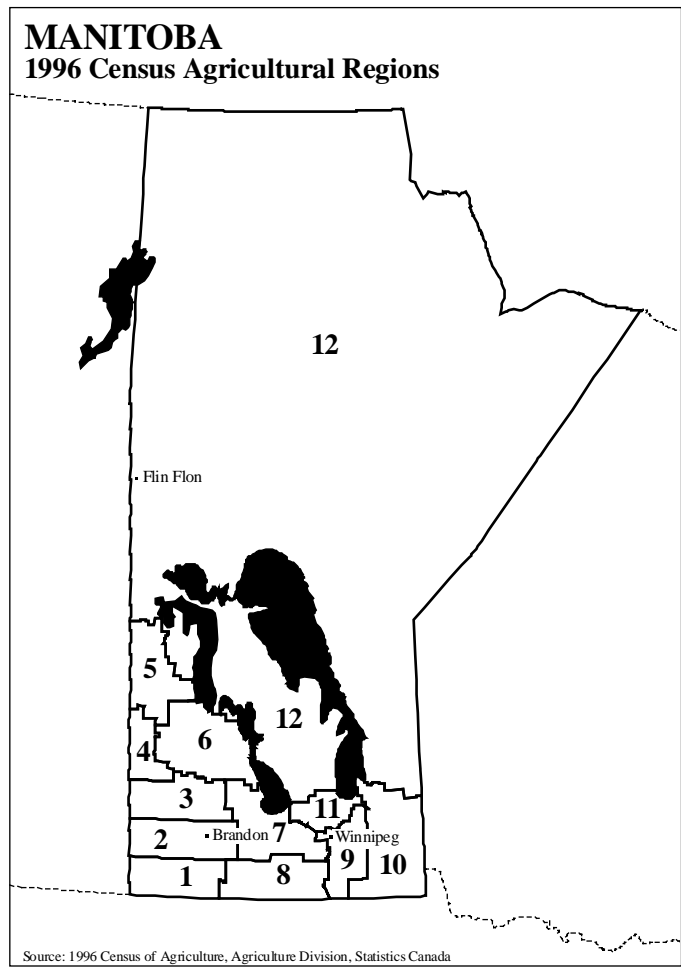
Quebec

- 1 Bas-Saint-Laurent
- 2 Saguenay, Lac-Saint-Jean, Côte-Nord
- 3 Québec
- 4 Mauricie, Bois-Francs
- 5 Estrie
- 6 Montréal, Laval
- 7 Lanaudière
- 8 Outaouais
- 9 Laurentides
- 10 Abitibi-Témiscamingue, Nord-du-Québec
- 11 Gaspésie, Îles-de-la-Madeleine
- 12 Chaudière, Appalaches
- 13 Montérégie



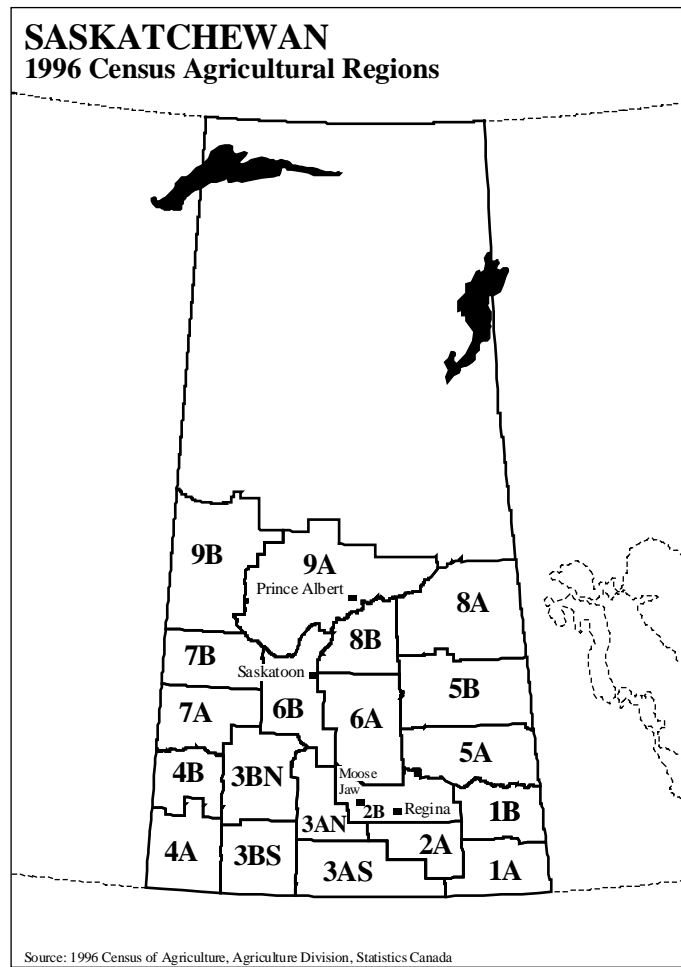
Ontario

- 1 Southern Ontario Region
- 2 Western Ontario Region
- 3 Central Ontario Region
- 4 Eastern Ontario Region
- 5 Northern Ontario Region



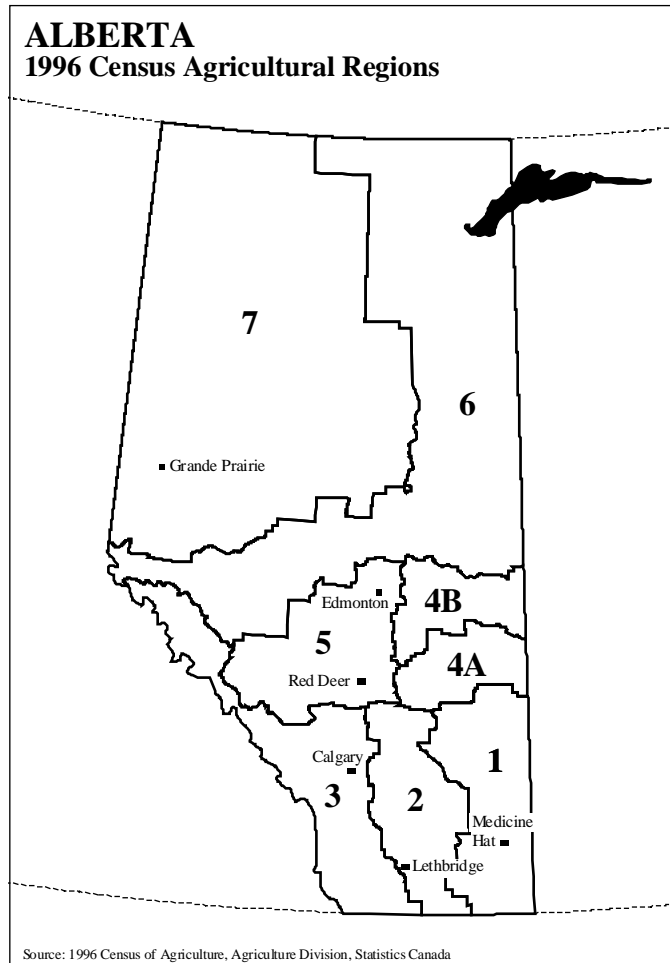
Manitoba

- 1 Census Agricultural Region 1
- 2 Census Agricultural Region 2
- 3 Census Agricultural Region 3
- 4 Census Agricultural Region 4
- 5 Census Agricultural Region 5
- 6 Census Agricultural Region 6
- 7 Census Agricultural Region 7
- 8 Census Agricultural Region 8
- 9 Census Agricultural Region 9
- 10 Census Agricultural Region 10
- 11 Census Agricultural Region 11
- 12 Census Agricultural Region 12



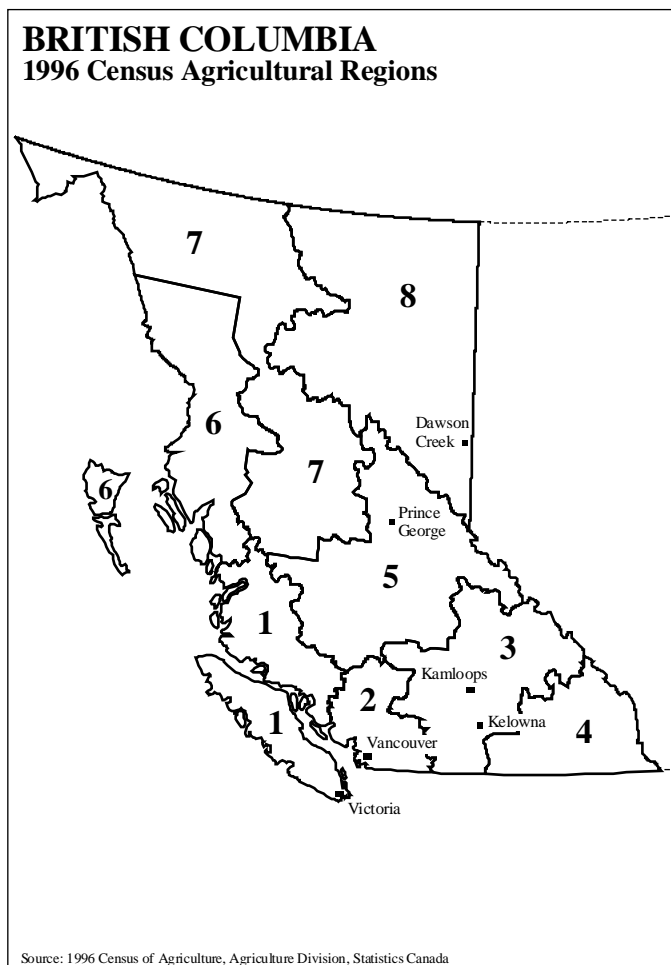
Saskatchewan

1A	Census Agricultural Region 1A	5A	Census Agricultural Region 5A
1B	Census Agricultural Region 1B	5B	Census Agricultural Region 5B
2A	Census Agricultural Region 2A	6A	Census Agricultural Region 6A
2B	Census Agricultural Region 2B	6B	Census Agricultural Region 6B
3AN	Census Agricultural Region 3AN	7A	Census Agricultural Region 7A
3AS	Census Agricultural Region 3AS	7B	Census Agricultural Region 7B
3BN	Census Agricultural Region 3BN	8A	Census Agricultural Region 8A
3BS	Census Agricultural Region 3BS	8B	Census Agricultural Region 8B
4A	Census Agricultural Region 4A	9A	Census Agricultural Region 9A
4B	Census Agricultural Region 4B	9B	Census Agricultural Region 9B



Alberta

- 1 Census Agricultural Region 1
- 2 Census Agricultural Region 2
- 3 Census Agricultural Region 3
- 4A Census Agricultural Region 4A
- 4B Census Agricultural Region 4B
- 5 Census Agricultural Region 5
- 6 Census Agricultural Region 6
- 7 Census Agricultural Region 7



British Columbia

- 1 Vancouver Island, Coast Region
- 2 Lower Mainland, Southwest Region
- 3 Thompson, Okanagan Region
- 4 Kootenay Region
- 5 Cariboo Region
- 6 North Coast Region
- 7 Nechako Region
- 8 Peace River Region

APPENDIX E

SURVEY QUESTIONNAIRES

FARM SURVEY JUNE 1998

Manitoba, Saskatchewan, Alberta, British Columbia (Peace)

CONFIDENTIAL when completed

Collected under the authority of the Statistics Act, Revised Statutes of Canada, 1985, Chapter S19.

This is an internal document. Not for distribution.

The purpose of this survey is to obtain information for the estimation of area seeded to field crops and the areas of hay and pasture land in Canada.

Review the information on the label. If any information is incorrect or missing, please make the necessary corrections in the boxes below

FRM		
	Farm Name (if applicable)	Area Code
NA 1		
	Surname or Family Name	Telephone
	Usual First Name and Initial	
ADR		
	R.R. Box No. Number and Street Name	
	Postal Code Post Office (name of city, town or village where mail is received)	
NA 3		
	Partner's Name (if applicable)	Telephone
NA 4		
	Partner's Name (if applicable)	Telephone
COR		
	Corporation Name (if applicable)	

The following questions deal with **ALL LAND OPERATED**.

● **Include:** - land rented from others, cropland, woodland, waste land, pasture land and summerfallow.

● **Exclude:** - land rented to others, community pastures, co-operative grazing associations or grazing reserves.

SECTION A SEEDED AREAS

Did you or will you seed any crops in 1998?

YES 969

NO 969 GO TO SECTION B

Which of the following crops did you or will you seed in 1998?

	Code	Seeded area	Unit of measure	
			ac	ha
1. Durum Wheat	204		1	2
2. Hard Red Spring Wheat	252		1	2
3. Prairie Spring Wheat (semi-dwarf) (incl. red and white)	233		1	2
4. Soft White Spring Wheat (do not incl. Prairie Spring White)	207		1	2
5. Canadian Western Extra Strong Wheat (utility)	244		1	2
6. Other Spring Wheat (unlicensed varieties, etc.)	287		1	2
7. Oats	208		1	2
8. Barley	209		1	2
9. Mixed Grains (two or more sown together)	213		1	2
10. Flaxseed	214		1	2
11. Linola	238		1	2
12. Canola or Rapeseed	215		1	2
13. Spring Rye	210		1	2
14. Lentils - LAIRD	036		1	2
15. Lentils - ESTON	038		1	2
16. Lentils - OTHER AND UNKNOWN	040		1	2
17. Dry Peas - YELLOW	042		1	2
18. Dry Peas - GREEN	044		1	2
19. Dry Peas - OTHER OR UNKNOWN	046		1	2
20. Mustard Seed - YELLOW	251		1	2
21. Mustard Seed - ORIENTAL	253		1	2
22. Mustard Seed - BROWN	254		1	2
23. Mustard Seed - OTHER AND UNKNOWN	240		1	2
24. Sunflower Seed (sunola, other dwarfs)	230		1	2
25. Canary Seed	234		1	2

Which of the following crops did you or will you seed in 1998?

	Code	Seeded area	Unit of measure	
			ac	ha
26. Buckwheat	226		1	2
27. Corn for Grain (excl. sweet corn, incl. seed corn)	216		1	2
28. Fodder Grain	217		1	2
29. Dry White Beans (navy, pea beans)	229		1	2
30. Dry Coloured Beans	236		1	2
31. Triticale	248		1	2
32. Fababeans	235		1	2
33. Safflower	239		1	2
34. Sugar Beets	232		1	2
35. Potatoes	218		1	2
36. Other Crops	225		1	2
37. TOTAL SEEDED AREA, SUM OF A1 TO A36			1	2

38. Of your total area to be seeded to field crops this spring, what percentage is seeded or planted at this time?

Code	%
100	

SECTION B WINTER WHEAT

Did you seed any Winter Wheat in the fall of 1997?

YES 095

NO 095 GO TO SECTION C



1. What area of Winter Wheat did you seed in the fall of 1997?

Crops	Code	Seeded area	Unit of measure	
			ac	ha
Winter Wheat seeded in the fall of 1997	106		1	2

(GO TO QUESTION 2)

2. What area of Winter Wheat seeded in the fall of 1997 is remaining to be harvested in 1998?

Crops	code	Harvested area
Winter Wheat remaining to be harvested	206	

(GO TO SECTION C)

SECTION C FALL RYE

Did you seed any Fall Rye in the fall of 1997?

YES 096

NO 096 GO TO SECTION D



1. What area of Fall Rye did you seed in the fall of 1997?

Crops	Code	Seeded area	Unit of measure	
			ac	ha
Fall Rye seeded in the fall of 1997	112		1	2

(GO TO QUESTION 2)

2. What area of Fall Rye seeded in the fall of 1997 is remaining to be harvested in 1998?

Crops	Code	Harvested area
Fall Rye remaining to be harvested	212	

(GO TO SECTION D)

SECTION D TAME HAY AND FORAGE SEED

Tame hay

- **Include:** - Alfalfa, clover and timothy

Forage seed

- **Include:** - All forage crop area harvested or to be harvested for seed such as: timothy, fescue, clover, alfalfa, wheat grass, etc.

- **Exclude:** - Any forage crop area harvested for hay or used for pasture

Do you have any Tame Hay and/or Forage seed in 1998?

YES 200

NO 200 GO TO SECTION E



What will be your total area of:

	Code	Total area	Unit of measure	
			ac	ha
1. Alfalfa and Alfalfa Mixtures	249		1	2
2. All other Tame Hay (including clover and timothy)	256		1	2
3. Forage Seed	247		1	2
4. TOTAL, SUM OF D1 TO D3			1	2

SECTION E LAND BALANCE

<p>Summerfallow: Land on which no crops will be grown during the year, but which may be cultivated or worked for weed control and moisture conservation. INCLUDE: - winterkilled area which was not reseeded or used for pasture - area ploughed under but not reseeded</p>	
<p>Improved land for pasture : All land which is being used for pasture or grazing land and which has undergone some improvements such as cultivation, drainage, irrigation, fertilization, seeding or spraying for brush and weed control.</p>	<p>DO NOT INCLUDE: - area to be harvested as dry hay, silage or forage seed. - community pastures - co-operative grazing associations - grazing reserves If a field is used the same year for harvesting tame hay and as a pasture, count it only once as a Tame Hay field.</p>
<p>Unimproved land for pasture: Include native pasture, native hay, rangeland, grazable bush etc., used for the grazing or feeding of livestock .</p>	<p>DO NOT INCLUDE: - community pastures - co-operative grazig associations - grazing reserves</p>
<p>Other Land includes:</p> <ul style="list-style-type: none"> - farmstead: farm buildings, farmyard, home garden and roads - wasteland, woodland, cut-over land, slough, swamp, marshland, and irrigation ditches - new broken land - fruits and vegetables, mushrooms, maple trees, Christmas trees, sod. 	

What is your total area of?	Code	Total area	Unit of measure	
			ac	ha
1. Summerfallow	219		1	2
2. Improved Land for Pasture	222		1	2
3. Unimproved Land for Pasture	237		1	2
4. Other Land	241		1	2
5. TOTAL, SUM OF E1 TO E4			1	2

FARM SURVEY JUNE 1998

Maritimes, Quebec, Ontario, British Columbia (south of peace river)

CONFIDENTIAL when completed

Collected under the authority of the Statistics Act, Revised Statutes of Canada, 1985, Chapter S19.

This is an internal document. Not for distribution.

The purpose of this survey is to obtain information for the estimation of area seeded to field crops and the areas of hay and pasture land in Canada.

Review the information on the label. If any information is incorrect or missing, please make the necessary corrections in the boxes below

FRM					
	Farm Name (if applicable)	Area Code			
NA 1					
	Surname or Family Name	Telephone			
	Usual First Name and Initial				
ADR					
	R.R.	Box No.	Number and Street Name		
	Postal Code	Post Office (name of city, town or village where mail is received)			
NA 3					
	Partner's Name (if applicable)	Telephone			
NA 4					
	Partner's Name (if applicable)	Telephone			
COR					
	Corporation Name (if applicable)				

The following questions deal with **ALL LAND OPERATED**.

● **Include:** - land rented from others, cropland, woodland, waste land and pasture land.

● **Exclude:** - land rented to others, community pastures, co-operative grazing associations or grazing reserves.

SECTION A SEEDING INTENTIONS

Did you or will you seed any crops in 1998?

YES 969

NO 969 GO TO SECTION B

Which of the following crops did you or will you seed in 1998?

	Code	Seeded area	unit of measure		
			ac	ha	arp
1. Mixed Grains	213		1	2	3
2. Oats	208		1	2	3
3. Barley	209		1	2	3
4. Canola or Rapeseed	215		1	2	3
5. Spring Rye	210		1	2	3
6. Corn for Grain (seed corn)	216		1	2	3
7. Fodder Corn	217		1	2	3
8. Spring Wheat	203		1	2	3
9. Soybeans	228		1	2	3
10. Dry White Beans - Standard Row (27-30 inches wide)	205		1	2	3
11. Dry White Beans - Narrow Row (8-26 inches wide)	242		1	2	3
12. Dry Coloured Beans	236		1	2	3
13. Buckwheat	226		1	2	3
14. Potatoes	218		1	2	3
15. Tobacco	227		1	2	3
16. Other Crops	225		1	2	3
17. TOTAL SEEDED AREA, SUM OF A1 TO A16			1	2	3

18. Of your total area to be seeded to field crops this spring, what percentage is seeded or planted at this time?

Code	%
100	

QUEBEC

Quebec respondents only

19. What percentage of your harvested area of Spring Wheat is for human consumption?

Code	%
603	

SECTION B WINTER WHEAT

Did you seed Winter Wheat in the fall of 1997?

YES 095

NO 095 GO TO SECTION C



1. What area of Winter Wheat did you seed in the fall of 1997?

Crops	Code	Seeded area	Unit of measure		
			ac	ha	arp
Winter Wheat seeded in the fall of 1997	106		1	2	3

(GO TO QUESTION 2)

2. What area of Winter Wheat seeded in the fall of 1997 is remaining to be harvested in 1998?

Crops	Code	Harvested area
Winter Wheat remaining to be harvested	206	

(GO TO SECTION C)

QUEBEC

Quebec respondents only

3. What percentage of your Winter Wheat remaining to be harvested is for human consumption?

Code	%
097	

SECTION C FALL RYE

Did you seed Fall Rye in the fall of 1997?

YES 096

NO 096 GO TO SECTION D



1. What area of Fall Rye did you seed in the fall of 1997?

Crops	Code	Seeded area	Unit of measure		
			ac	ha	arp
Fall Rye seeded in the fall of 1997	112		1	2	3

(GO TO QUESTION 2)

2. What area of Fall Rye seeded in the fall of 1997 is remaining to be harvested in 1998?

Crops	Code	Harvested area
Fall Rye remaining to be harvested	212	

(GO TO SECTION D)

SECTION D TAME HAY AND FORAGE SEED

Tame hay ● Include: - Alfalfa and clover	
Forage seed ● Include: - All forage crop area harvested or to be harvested for seed - Forage crops grown commercially for seed purposes such as, timothy, fescue, clover,	● Exclude: - Any forage crop area harvested for hay or used for pasture

Do you have any tame hay and forage seed (including alfalfa and clover)?

YES 200

NO 200 GO TO SECTION E

What will be your total area of?

	Code	Total area	Unit of measure		
			ac	ha	arp
1. Alfalfa and Alfalfa Mixtures	249		1	2	3
2. All other Tame Hay (including clover)	256		1	2	3
3. Forage Seed	247		1	2	3
4. TOTAL, SUM OF D1 TO D3			1	2	3

SECTION E LAND BALANCE

Summerfallow:

Land on which no crops will be grown during the year, but which may be cultivated or worked for weed control and moisture conservation.

INCLUDE: - winterkilled area which was not reseeded or used for pasture
 - area ploughed under but not reseeded

Improved land for pasture :

All land which is being used for pasture or grazing land and which has undergone some improvements such as cultivation, drainage, irrigation, fertilization, seeding or spraying for brush and weed control.

DO NOT INCLUDE: - area to be harvested as dry hay, silage or forage seed.
 - community pastures
 - co-operative grazing associations
 - grazing reserves

If a field is used the same year for harvesting tame hay and as a pasture, count it only once as a Tame Hay field.

Unimproved land for pasture:

Include native pasture, native hay, rangeland, grazable bush etc., used for the grazing or feeding of livestock .

DO NOT INCLUDE: - community pastures
 - co-operative grazig associations
 - grazing reserves

Other Land includes:

- farmstead: farm buildings, farmyard, home garden and roads
- wasteland, woodland, cut-over land, slough, swamp, marshland, and irrigation ditches
- new broken land
- fruits and vegetables, mushrooms, maple trees, Christmas trees, sod.



July Livestock Survey, 1998

FOR INTERNAL USE ONLY



CONFIDENTIAL when completed
Collected under the authority of the Statistics Act, Revised Statutes of Canada, 1985, Chapter S19.
Si vous préférez ce questionnaire en français veuillez cocher la case

OFFICE USE ONLY		
005		1
005		4
005		2
005		3

004		2
-----	--	---

The purpose of this survey is to collect information on livestock. The statistics produced from the survey enable those active in the agricultural sector to observe and assess changes in the industry, measure performance and keep the agricultural community and general public informed of developments.

Statistics Canada is collecting information concerning the farm described on the label. If the operators of this holding manage any other farm(s) entirely separate from this farm (i.e., separate accounting books are kept), please do not include any data for the other farm(s) on this questionnaire.

Please complete and return this questionnaire to Statistics Canada by June 30, 1998 in the postage-paid envelope provided. Thank you for your co-operation. If you have any questions about this survey please call toll-free at 1-800-216-2299.

SECTION A. When answering the questions, please include as of July 1, 1998 ...

... all livestock (cattle or calves, pigs, and/or sheep or lambs) on your operation regardless of ownership, including livestock pastured, custom fed or fed under contract for others. In British Columbia, Manitoba, Saskatchewan and Alberta, include livestock pastured on crownland, community pastures, and grazing projects.

... Please DO NOT REPORT livestock (cattle or calves, pigs and/or sheep or lambs) which are owned by you but kept on a farm, ranch or feedlot operated by someone else.

SECTION B. CATTLE AND/OR CALVES

OFFICE USE ONLY

400

9

1. At July 1, 1998 do you expect to have/did you have any cattle or calves on this operation?
Include grazing projects, community pastures or crownland.

Yes **400** **1**

No **400** **2** (Go to Section C)



2. Are cattle or calves kept (on this operation) for someone else? (If yes include them as part of inventory.)

Yes **430** **1**

No **430** **2**

Total Number at July 1, 1998	
403	None <input type="checkbox"/>
404	None <input type="checkbox"/>
405	None <input type="checkbox"/>
409	None <input type="checkbox"/>
406	None <input type="checkbox"/>
407	None <input type="checkbox"/>
402	None <input type="checkbox"/>
408	None <input type="checkbox"/>
410	
421	None <input type="checkbox"/>
424	None <input type="checkbox"/>

3. **BULLS**, 1 year and over

4. **DAIRY COWS**

5. **BEEF COWS**

6. **CALVES**, under 1 year

7. **HEIFERS**, 1 year and over {

- a) for **DAIRY** Replacement Heifers (1 year and over)
- b) for **BEEF** Replacement Heifers (1 year and over)
- c) for **SLAUGHTER** or **FEEDER** Heifers (1 year and over)

8. **STEERS**, 1 year and over

9. **TOTAL CATTLE AND/OR CALVES** (sum of questions 3 to 8)

10. (On this operation) How many calves were born alive in the last 6 months (between January 1 and June 30, 1998)?

11. (On this operation) How many cows and heifers do you expect to calve between July 1 and December 31, 1998?

SECTION C. PIGS

OFFICE USE ONLY

600

9

1. At July 1, 1998 do you expect to have/did you have any pigs (on this operation)?

Yes **600** **1**

No **600** **2**

1. (a) Were there any pigs (on this operation) during the past three months (April, May and June)?

Yes **601** **1** (Answer Questions 7, 8 and 9)

No **601** **2** (Go to Section D)

2. Are pigs kept (on this operation) for someone else? (If yes include them as part of inventory.)

Yes **630** **1**

No **630** **2**

3. **BOARS**, 6 months and over

4. **SOWS**, for breeding and bred gilts

5. **ALL OTHER PIGS** {

a) Under 45 pounds (-20 kg)

b) 45 to 130 pounds (20 to 60 kg)

c) Over 130 pounds (60+ kg)

6. **TOTAL PIGS** (sum of questions 3 to 5)

7. (On this operation) How many sows and bred gilts farrowed during April, May and June 1998?

8. How many pigs were born alive during the same period (April, May and June 1998)?

9. Of the (number) of pigs born alive, how many died or were destroyed before weaning during April, May and June 1998?

10. How many sows and bred gilts are expected to farrow during July, August and September 1998?

11. How many sows and bred gilts are expected to farrow during October, November and December 1998?

Total Number at July 1, 1998	
605	None <input type="checkbox"/>
606	None <input type="checkbox"/>
607	None <input type="checkbox"/>
608	None <input type="checkbox"/>
609	None <input type="checkbox"/>
610	
634	None <input type="checkbox"/>
635	None <input type="checkbox"/>
636	None <input type="checkbox"/>
638	None <input type="checkbox"/>
639	None <input type="checkbox"/>

SECTION D. SHEEP AND/OR LAMBS

OFFICE USE ONLY

300		9
-----	--	---

1. At July 1, 1998 do you expect to have/did you have any sheep or lambs (on this operation)?
Include grazing projects, community pastures or crownland.

Yes

300		1
-----	--	---

No

300		2
-----	--	---

1. (a) Were there any sheep or lambs kept (on this operation) between
January 1 and June 30, 1998?

Yes

320		1
-----	--	---

 (Answer Questions
8, 9 and 10)

No

320		2
-----	--	---

 (Go to Section E)

2. Are sheep or lambs kept (on this operation) for someone else? (If yes include them as part of inventory.)

Yes

330		1
-----	--	---

No

330		2
-----	--	---

3. **RAMS**, 1 year and over

4. **EWES**

5. Replacement **LAMBS**

6. Market **LAMBS**

7. **TOTAL SHEEP AND LAMBS** (sum of questions 3 to 6)

8. (On this operation) How many lambs were born in the last 6 months (between
January 1 and June 30, 1998)?

9. How many sheep and lambs died, including those killed by disease or
predators, between January 1 and June 30, 1998?

10. (On this operation) How many lambs do you expect to be born between July 1 and
December 31, 1998?

Total Number at July 1, 1998	
301	None <input type="checkbox"/>
302	None <input type="checkbox"/>
303	None <input type="checkbox"/>
304	None <input type="checkbox"/>
310	
308	None <input type="checkbox"/>
307	None <input type="checkbox"/>
309	None <input type="checkbox"/>

SECTION E. OTHER LIVESTOCK

1. At July 1, 1998, do you expect to have other livestock on this operation (poultry, deer, buffalo, etc.)

Please specify other livestock type:

Inventory at July 1, 1998
Number

SECTION F. INCOME AND EXPENSE QUESTIONS

1. What were the gross receipts of this operation for the year ending in 1997?
(Do not report net income.)

Include: Receipts from all agricultural products sold, program and rebate payments, GST and HST refunds, dividends from co-operatives, custom work done for other agricultural operations, sales of forest products, Christmas trees and maple syrup product.

Do not include: Receipts from the sale of capital items (e.g. Quota, land buildings, machinery) and from the sale of goods purchased for resale.

905 None <input type="checkbox"/>

2. What were the total operating expenses of this operation in 1997?
(Do not include depreciation or capital cost allowance.)

Do not include: Cost of goods purchased for resale.
Do not include: Capital purchased (e.g. Quota, land, buildings, machinery)

907 None <input type="checkbox"/>

3. What was the market value of all land and buildings operated by this operation as of December 31, 1997? Include both the land and buildings you own and rent.

Include: The value of all houses which are part of this operation.
Include: The value of fixed equipment/machinery found in farm buildings.
Do not include: The value of land and buildings rented to others.

909 None <input type="checkbox"/>

SECTION G. FEDERAL/PROVINCIAL AGREEMENT TO SHARE INFORMATION

NEW BRUNSWICK, ONTARIO, MANITOBA, SASKATCHEWAN AND BRITISH COLUMBIA ONLY:

To reduce response burden and to ensure more uniform statistics, Statistics Canada has entered into data sharing agreements under Section 12 of the Statistics Act with:

- the New Brunswick Department of Agriculture and Rural Development
- the Ontario Ministry of Agriculture and Food and the Ontario Central Statistics Services
- the Manitoba Department of Agriculture
- Saskatchewan Agriculture and Food
- the British Columbia Ministry of Agriculture and Fisheries.

The information collected and shared will be kept confidential and used only for statistical purposes. Under Section 12 of the Statistics Act you may refuse to share your information. Do you agree to share this information?

Yes

05		1
----	--	---

 No

05		2
----	--	---

QUÉBEC ONLY:

To avoid duplication of enquiry this survey is conducted under a co-operative agreement with the Québec Bureau of Statistics pursuant to Section 11 of the Statistics Act. The Québec Statistics Act includes the same provisions for confidentiality and penalties for disclosure of information as the Federal Statistics Act.

COMMENTS:

OFFICE USE ONLY

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Farm Financial Survey



TO THE RESPONDENT:

This questionnaire is to assist you in answering a telephone survey. Complete this form and keep it by your telephone. An interviewer from Statistics Canada will telephone you between **March 20 and April 28** for this information.

DO NOT MAIL this questionnaire.

Use your records, if possible. Otherwise, enter your best estimate.

All information will be kept confidential under the Statistics Act.

Questions refer to the **calendar year 1999**. If information is not kept on a calendar year basis, please report for your latest fiscal year end.

In all cases, record the year end for the financial information you provide →

CONFIDENTIAL when completed

Collected under the authority of the Statistics Act, Revised Statutes of Canada, 1985, Chapter S19.

OFFICE USE ONLY M.U.L.E.S.		
005		1
005		4
005		2
005		3
004		12
004		13

004	
061	

009					
	Day	Month	Year		

Corporation Name

Area Code

NA 2

Farm or Operation Name

Telephone

NA 1

Contact Name

Telephone

ADR

R.R.

Box No.

Number and Street Name

Postal Code

Post Office (name of city, town or village where mail is received)



SECTION A. CHARACTERISTICS OF THE OPERATOR/OPERATION

• Report questions 1 to 4 as of **December 31, 1999.**

A farm OPERATOR is an individual responsible for the day-to-day operation of the farm; who participates in the decisions to borrow money; to rent, buy or sell assets; and to reduce debts. An operation may have more than one operator but only one questionnaire is to be completed for each operation.

1. How many operators 18 years of age and over were responsible for this operation? **051**

2. What was the age of: **052**

a) The oldest operator **053**

b) The youngest operator (*minimum age of 18*) (*if only one operator enter age under oldest operator*) **054**

3. How many years has the most experienced operator on this farm been managing a farm business? ... **054**

4. Which of the following best described this operation? ("*X*" one circle)

• Report family and hobby farms in 4a) to 4c)

a) Sole Proprietorship **056** 3

b) Corporation (Ltd. Co.) 4 → What is your percent ownership of this operation?
• **Include** you (the operator), your spouse and never married children residing in the same house **062** %

c) Partnership 5 → What is your percent ownership of this operation?
• **Include** you (the operator), your spouse and never married children residing in the same house **063** %


d) Cooperative and communal operations (e.g. Hutterite Colonies) 6

e) Other (*please specify*) **078** 7

COMMENTS: **079**

SECTION B. LAND USE

• Round to the nearest whole number.

1. How will you report land area? 199  { 1 acres
 2 hectares
 3 arpents *(Quebec only)*

2. For the total land area operated as of **December 31, 1999**, how much was:

- a) Owned
• **Exclude** land rented or leased to others
- b) Rented from others
• **Include** governments and other sources

Area of Total Land as of December 31, 1999
121
102

3. **Total land operated** (sum of 2 a) and 2 b))

195

4. How much land did this operation rent or lease **to others** as of **December 31, 1999**?

103

5. Of the total land operated (*reported in 3 above*), what was the total area seeded for grains and oilseeds?

192

6. a) What was the **total** area of **cropland** for this operation in **1999**?
• **Exclude** summerfallow, improved and unimproved pasture, and woodland

194

b) What was the **total** area of **cropland** (*reported in 6a) above*) insured under provincial crop insurance?.....

114

COMMENTS: 093

SECTION C. LIVESTOCK AND POULTRY

1. Did the operation OWN any livestock or poultry on **December 31, 1999**?
• **Exclude** animals on your land not owned by you.

170 YES 1

NO 3 (GO TO SECTION D)

2. How many of the following did this operation own on **December 31, 1999**?

PART I. CATTLE

- a) Bulls, 1 year and over
- b) Cows mainly for dairy
• **Include** dairy replacement heifers
- c) Cows mainly for beef
• **Include** beef replacement heifers
- d) Steers and Heifers, 1 year and over for slaughter or feeders
- e) Calves under 1 year

Total Number on December 31, 1999	
674	
172	
173	
174	
175	

PART II. PIGS

- f) Boars, 6 months and over
- g) Sows for breeding and bred gilts
- h) All other pigs

675
179
176

PART III. SHEEP AND LAMBS

- i) Sheep and lambs

182

PART IV. POULTRY

- j) Layers on **December 31, 1999**
- k) Broilers on **December 31, 1999**
- l) Other poultry on **December 31, 1999** (please specify) **080** _____

188
189
198

PART V. HORSES

- m) Horses

187

PART VI. OTHER LIVESTOCK

- n) Other livestock (please specify) **081** _____

184

SECTION D. CAPITAL INVESTMENTS

- **Exclude** GST, HST, Quebec Sales Tax.
- Report to the nearest \$1,000.
- Report for the calendar year **1999**.

1. During **1999**, did this operation invest any money in capital items or improvements?

200 YES 1 NO 3 (GO TO SECTION E)

2. What was the amount of capital invested in **1999** for the following:

Capital Investments in 1999	
201	000
202	000
203	000
204	000
205	000
206	000

- a) Farm real estate purchased
- b) Land improvements: irrigation, orchard planting, draining, clearing of land, fencing
- c) House construction or major renovation
- d) Other building construction or major renovation
- e) Breeding and replacement livestock intended to be on the farm for more than 1 year
 - **Exclude** poultry
- f) Quota purchased separately from other assets
- g) Farm machinery and equipment

- Report **gross expenditures** before trade-in.
- **Include** lease to own purchases.
- Specify using list of assets below.

Code	Type 1 = new 2 = used		
			000
			000
			000
			000
			000
			000

- 71** Cars used in the farm business
- 72** Trucks used in the farm business
- 73** Other transportation equipment
- 74** Processing equipment
- 75** Computers and related equipment
- 76** Other office and communication equipment
- 77** Tractors of various types
- 78** Cultivators, tillage and seeding equipment
- 79** Hay mowers
- 80** Harvesting machinery
- 81** Balers
- 82** Other machinery and equipment

h) Other farm assets purchased (e.g. stocks, bonds, GIC's, mutual funds)

217	000
------------	-----

(please specify) **092** _____

COMMENTS: **083**

SECTION E. CAPITAL SALES

- **Exclude** GST, HST, Quebec Sales Tax.
- Report to the nearest \$1,000.
- Report for the calendar year **1999**.

1. During **1999**, did this operation sell or trade-in any capital items?

230 YES 1 NO 3 (GO TO SECTION F)



2. What was the amount of capital sales in **1999** for:

- a) Land and buildings
- b) Machinery and equipment traded-in
 - **Include** cars and trucks used in the farm business
- c) Machinery and equipment sold outright
 - **Include** cars and trucks used in the farm business
 - **Exclude** trade-ins
- d) Quota sold separately from other assets
- e) Breeding and replacement livestock
 - **Exclude** culls for slaughter and poultry
- f) Other farm assets sold (e.g. stocks, bonds, GIC's, mutual funds)
 (please specify) **096**

Capital Sales in 1999	
233	000
237	000
234	000
235	000
236	000
238	000

COMMENTS: **088**

SECTION F. ASSETS

1. What was the value of the following assets of this operation on **December 31, 1999**?
- Report at current market value.
 - Report to the nearest \$1,000.

LIVESTOCK ASSETS

- a) Market livestock
 • **Include** heifers for slaughter or feeders, steers, calves, pigs, slaughter lambs, all poultry, goats for meat, culls and other market livestock
 • **Exclude** boars and sows
 • Report **breeding and replacement** livestock below
- b) Breeding, replacement and other livestock not considered market livestock
 • **Include** all livestock and fur animals for breeding or replacement purposes, i.e. cows, sows, ewes, horses for PMU, honey bees, ostriches, race and riding horses, etc.

Value of Assets on December 31, 1999	
308	
	000
662	
	000

CURRENT ASSETS

- c) Accounts receivable (receipts due)
 • **Include** deferred cash grain purchase tickets
- d) Inventory
 i) Inputs such as feed, supplies, fertilizer, fuel, seed, chemicals, etc.
 ii) Crops for sale
 • **Include** all harvested crops destined for market
- e) Cash and short-term investments of this operation (less than one year)
- f) Other current farm assets such as prepaid expenses for feed, fertilizer, seed, chemicals, etc.

305	
	000
306	
	000
661	
	000
658	
	000
659	
	000

094 (please specify) _____

LONG-TERM ASSETS

- g) Farmland and buildings owned
 • **Include** the farmhouse, storage sheds, silos, barns, grain bins, machine shops and woodlots
- h) All machinery and equipment
 • **Include** cars and trucks used for the farm business, tractors, cultivators, combines, small tools, computers and office equipment, etc.
- i) Quota (market value, if not valued in farmland and buildings)
- j) Balance of all NISA accounts for this operation as of **December 31, 1999**
 • **Include** those of all operators
 i) FUND 1 (non-taxable: producers' contributions)
- ii) FUND 2 (taxable: government contributions and interest)
- k) Long-term investments of this operation (one year or more), i.e. bonds, shares, long-term GIC's, RRSP's, cooperative shares, etc.
- l) Other long-term farm assets, i.e. off-farm site warehouses, grain condominiums and other buildings owned by this operation, etc.

301	
	000
317	
	000
304	
	000
637	
	000
638	
	000
673	
	000
663	
	000

084 (please specify) _____

SECTION G. LIABILITIES OUTSTANDING AND CAPITAL BORROWED

• Report to the nearest \$1,000.

1. Did this operation owe any money on **December 31, 1999** or borrow any money in **1999**?

• Report for this operation only.

• **Include** money borrowed from family.

700

YES 1

NO 3 (GO TO SECTION H)

2. On **December 31, 1999** what was the amount of money owed to:

a) Chartered banks, trust companies, treasury branches

b) Credit unions, caisses populaires

c) Farm Credit Corporation (federal agency)

d) Advance Payments Program

e) Machinery and supply companies, feed companies

f) Private individuals, family members, shareholders

g) Provincial government

h) Others, i.e. accounts payable, meat packing plants, municipality, etc. (please specify)

085

Total

	Liabilities on December 31, 1999				Capital Borrowed in 1999	
	Current/Short-term: original repayment period is less than 12 months		Long-term: original repayment period is 12 months or more		For long-term loans, how much was borrowed in 1999? repayment period is 12 months or more	
	410		480		580	
a) Chartered banks, trust companies, treasury branches		000		000		000
	405		485		585	
b) Credit unions, caisses populaires		000		000		000
	401		481		581	
c) Farm Credit Corporation (federal agency)		000		000		000
	436					
d) Advance Payments Program		000				
	407		487		587	
e) Machinery and supply companies, feed companies		000		000		000
	408		488		588	
f) Private individuals, family members, shareholders		000		000		000
	403		483		583	
g) Provincial government		000		000		000
	409		489		589	
h) Others, i.e. accounts payable, meat packing plants, municipality, etc. (please specify)		000		000		000
	441		491		590	
Total		000		000		000

540

3. Of all the money borrowed in **1999** (Box 590 above), what amount was used to refinance previous long-term loans?

000

4. Did this operation participate in the Advance Payments Program in **1999**?

541

YES 1

NO 3

SECTION H. RECEIPTS AND EXPENSES

- Report to the nearest \$1,000 for questions 1 to 5.
- Report to the nearest dollar for question 6, page 10.

1. In **1999**, what were the total **gross** farm receipts of this operation, before expenses?

- **Include** receipts from capital sales of breeding and replacement livestock (*Box 236 page 6, Section E*), direct program payments, agricultural custom work.
- **Exclude** NISA withdrawals (*to be reported in question 6*), the value of inventory adjustments, the sale of land and buildings, and of machinery and equipment and quota.....

Gross Farm Receipts in 1999	
601	
	000

2. Of the total gross farm receipts (*Box 601 above*), how much was from:

- a) Direct program payments
- **Include** provincial crop insurance, stabilization payments, tax rebates (e.g. fuel tax, property tax), dairy subsidies, Agricultural Income Disaster Assistance (A.I.D.A.), Agricultural Disaster Insurance Program (A.D.I.P.), Assurances Stabilisation des Revenus Agricoles (A.S.R.A.), Farm Income Disaster Program (F.I.D.P.), Ontario Whole Farm Relief Program, Whole Farm Insurance Pilot Program (W.F.I.P.), etc.
 - **Exclude** NISA withdrawals (*to be reported in question 6*)
- b) Sale of grains, oilseeds and specialty crops
- **Include** lentils, dry peas, dry beans, etc.
 - **Include** wheat board payments
- c) Sale of horticulture products
- **Include** potatoes, fruit, vegetables, greenhouse products, nursery products, sod, mushrooms, etc.
- d) Sale of cattle
- **Include** breeding and replacement livestock
- e) Sale of pigs
- **Include** breeding and replacement livestock
- f) Sale of poultry
- **Include** eggs
- g) Sale of milk, cream and other dairy products
- h) Other farm revenue, i.e. agricultural custom/contract work, sale of horses, sheep, mink, sugar beets, tobacco, maple products, forage seed, wood, Christmas trees, hay, etc.

604	
	000
623	
	000
624	
	000
625	
	000
626	
	000
627	
	000
628	
	000
629	
	000

3. In **1999**, what were the total farm operating expenses?

- **Exclude** capital cost allowances or depreciation
- **Exclude** the value of inventory adjustments
- **Exclude** NISA contributions

Expenses in 1999	
606	
	000

4. Of the total farm operating expenses (*Box 606 above*) how much was for:

- a) Total interest paid on farm debt
- **Exclude** payments on the principal
- b) Wages and salaries paid to you (the operator), your spouse and never married children residing in the same household

605	
	000
666	
	000

5. Did this operation participate in the provincial crop insurance program in **1999**?

642

YES 1

NO 3 (*GO TO QUESTION 6*)

a) What were the total provincial crop insurance premiums for the **1999** crop?

b) What were the gross receipts, if any, from provincial crop insurance for the **1999** crop?

643	
	000
644	
	000

SECTION H. RECEIPTS AND EXPENSES (continued)

6. Did this operation contribute to or withdraw from NISA in **1999**?
 • Report to the nearest dollar.

633 YES 1 NO 3 (Go to Section I below)

		Total dollars in 1999	
a)	What were the total operator(s) NISA contributions in the 1999 calendar year? • Exclude government contributions	634	.00
b)	How much was withdrawn from all NISA account(s) in the 1999 calendar year?	635	.00

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ENTERPRISE CODE	008	

SECTION I. INCOME FROM SOURCES OTHER THAN THIS OPERATION

- Report to the nearest \$1,000.

1. In **1999**, what was your (the operator) income and the income for other members of your family (your spouse and never married children residing in the same household)?

		Income not from this operation	
a)	Wages and salaries (before deductions) from sources other than this operation • Report gross wages and salaries	668	000
b)	Interest, dividends (actually received) from sources other than this operation	669	000
c)	Pensions • Include C.P.P., Q.P.P., old age security, Registered Pension Plans (RPP's), RRSP withdrawals	670	000
d)	Other income not from this operation • Include non-agricultural custom work, income from other farm operations, Employment Insurance, net rental income. • Report net income (after expenses) (please specify) 087 _____	672	000

SECTION J. AGREEMENT TO SHARE INFORMATION

This survey is being conducted jointly on behalf of Statistics Canada and Agriculture and Agri-Food Canada. The information will be kept confidential and will be used only for statistical purposes.

Do you agree to share this information with Agriculture and Agri-Food Canada? **900** YES 1 NO 3

NOTE: Names and addresses are not shared with Agriculture and Agri-Food Canada.

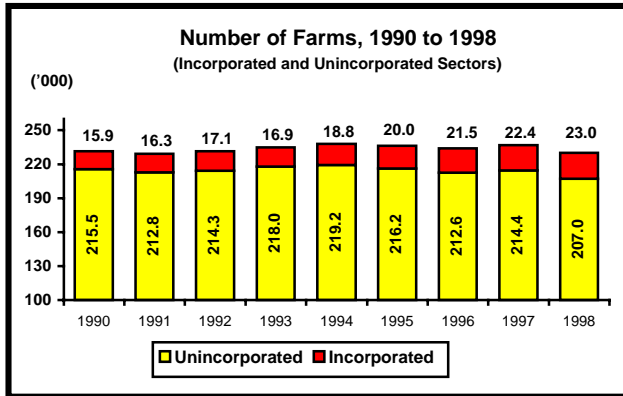
COMMENTS FROM INTERVIEWER/FARM OPERATOR: **090**

APPENDIX F

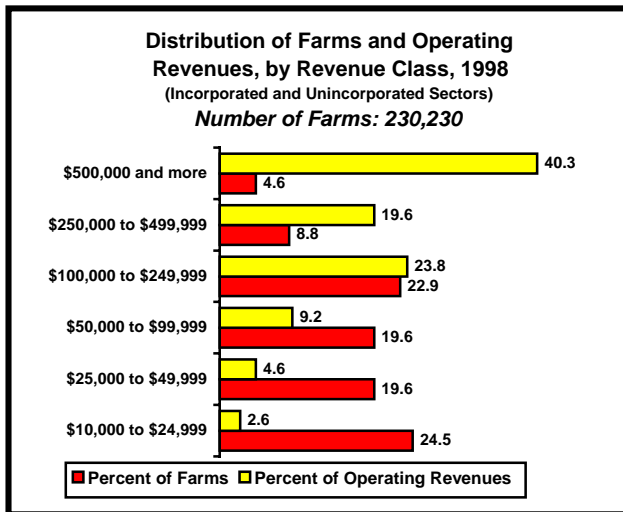
AGRICULTURAL QUICK FACTS

Agricultural Quick Facts – Canada

from the Whole Farm Data Base*



Source: WFDB, Taxation Data Program



Source: WFDB, Taxation Data Program

***Whole Farm Data Base (WFDB)**

Integrating into one base the agricultural data, which are available from administrative and survey sources, is the essence of the WFDB. It offers users access to a wider than ever range of disaggregated physical and financial data at the farm level.

There are several major data sources currently offered in the WFDB: the *Taxation Data Program (TDP)*, the *Farm Financial Survey (FFS)*, the *June Crops Survey (JCS)* and the *July Livestock Survey (JLS)*. Please refer to the WFDB Reference Manual (appendix C) for a summary of the sampling and methodology for each of these data sources.

The WFDB is the product of a joint venture by Agriculture and Agri-Food Canada and Statistics Canada.

Estimates presented in the Agricultural Quick Facts cover farms with gross operating revenues of \$10,000 or more. Incorporated farms with agricultural sales below \$25,000 are excluded from the TDP.

Total Operating Revenues, by Revenue Class, 1998
Incorporated and Unincorporated Sectors

Number of Farms	CV	Total Operating Revenues (\$'000)	CV	Average per Farm (\$)	CV
All Farms					
230,230	a	35,446,771	a	153,962	a
\$500,000 and more					
10,660	a	14,277,221	a	1,339,327	a
\$250,000 to \$499,999					
20,305	a	6,948,511	a	342,207	a
\$100,000 to \$249,999					
52,645	a	8,420,171	a	159,942	a
\$50,000 to \$99,999					
45,140	a	3,249,289	a	71,982	a
\$25,000 to \$49,999					
45,170	a	1,623,425	a	35,940	a
\$10,000 to \$24,999					
56,310	a	927,892	a	16,478	a

Source: WFDB, Taxation Data Program

Off-Farm Income and Net Operating Income of Operators, by Farm Type, Unincorporated Sector, 1998

Number of Operators	CV	Off-Farm Income ¹ (\$'000)	CV	Number of Farms	CV	Net Operating Income (\$'000)
All Farms						
249,495	a	5,136,163	a	201,195	a	3,409,947
Grain and Oilseed						
99,295	a	2,176,713	a	85,940	a	1,691,442
Cattle						
70,805	a	1,588,649	a	59,350	a	455,095
Dairy						
24,615	a	129,104	b	15,275	a	737,113
Fruit and Vegetable						
9,030	a	193,254	b	6,425	a	86,406
Hog						
6,940	a	74,855	b	5,035	a	61,936
Poultry and Egg						
3,325	a	52,244	b	2,205	b	86,570
Greenhouse and Nursery						
3,525	b	54,844	c	2,395	b	46,396
Livestock Combination						
2,150	b	29,626	d	1,575	c	23,432
Tobacco						
1,945	b	29,240	c	1,180	c	50,250
Potato						
1,315	b	17,666	d	945	b	27,759
Other Farm Types						
26,560	a	790,120	b	20,865	a	143,437

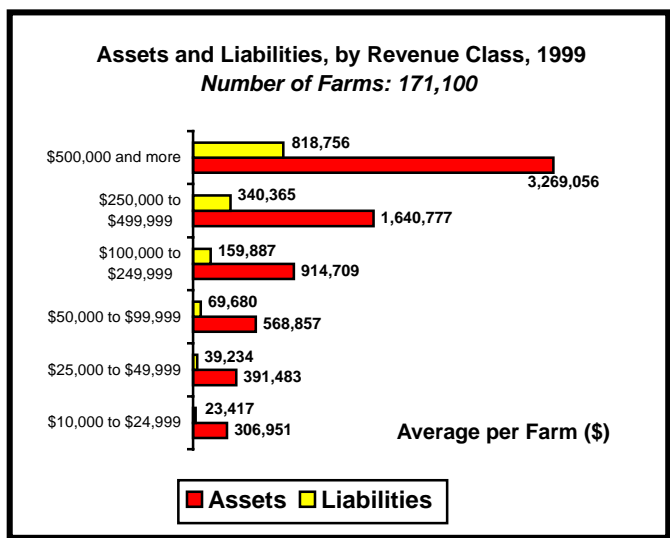
¹ Excluding taxable capital gains.
Source: WFDB, Taxation Data Program

Each estimate released through the WFDB is assigned a coefficient of variation (c.v.) to measure its quality. The following rating system is suggested:

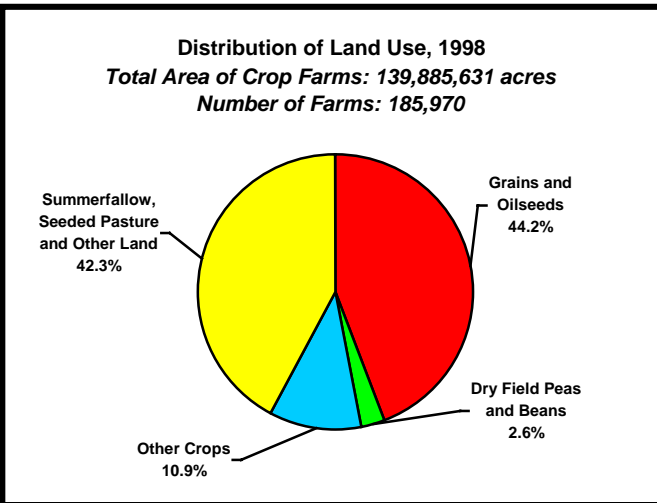
Letter	C.V.	Rating
a	0.01% - 4.99%	very good
b	5.0% - 9.99%	good
c	10.0% - 14.99%	acceptable but use with caution
d	15.0% - 24.99%	use with caution unless independent data source concurs with the estimate value
e	25.0% and more	unreliable

Off-Farm Income and Net Operating Income of Farm Families, by Farm Type, Unincorporated Sector, 1997						
Number of Families	CV	Off-Farm Income ¹ (\$'000)	CV	Number of Farms	CV	Net Operating Income (\$'000)
All Farms						
162,450	a	6,687,303	a	159,060	a	2,928,876
Grain and Oilseed Farms						
62,810	a	2,733,742	a	62,370	a	1,428,303
Cattle Farms						
47,120	a	2,034,734	a	46,960	a	287,288
Dairy Farms						
16,470	a	329,579	a	14,760	a	691,006
Fruit and Vegetable Farms						
6,580	a	288,410	b	6,200	a	70,975
Hog Farms						
5,150	a	139,756	b	5,060	a	144,599
Poultry and Egg Farms						
2,150	b	85,195	c	2,080	b	83,033
Greenhouse and Nursery Farms						
2,020	b	67,199	b	1,870	b	33,050
Livestock Combination Farms						
1,300	c	46,728	d	1,190	c	13,987
Tobacco Farms						
880	c	31,567	d	850	c	35,745
Potato Farms						
1,010	b	31,138	b	890	b	20,773
Other Farm Types						
16,970	a	899,775	b	16,830	a	120,201

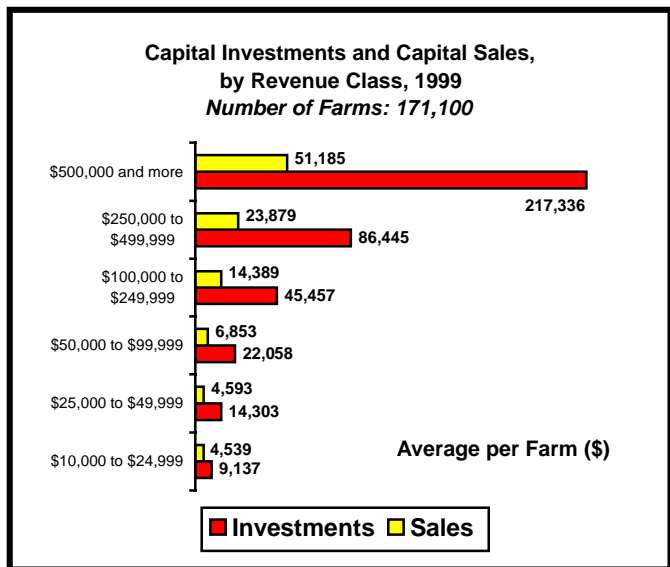
¹ Excluding taxable capital gains.
Source: WFDB, Taxation Data Program



Source: WFDB, Farm Financial Survey



Source: WFDB, June Crops Survey



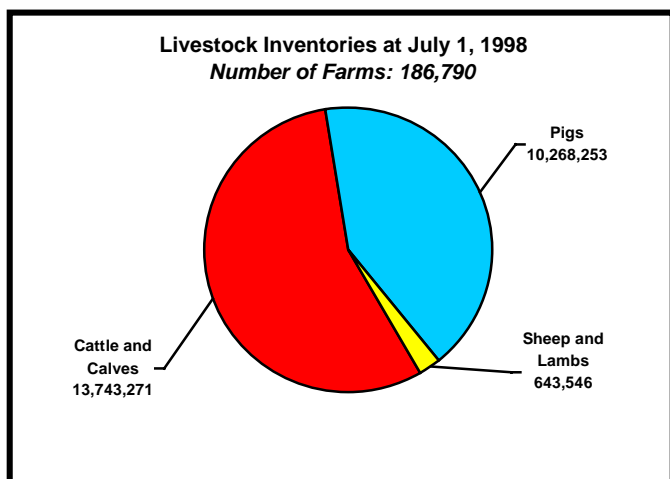
Source: WFDB, Farm Financial Survey

Warning: The size and design of the sample, the variability of the characteristic of interest in the population, and the estimation method all affect data quality.

WFDB customized products are available. Costs vary depending on the size and the complexity of the requests. The minimum cost for a request is \$50.

For more information about the WFDB, please contact the Agriculture Division of Statistics Canada:

e-mail: agriculture@statcan.ca
 toll-free: 1 800 465-1991
 local call: (613) 951-5027
 local fax: (613) 951-3868



Source: WFDB, July Livestock Survey