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Whole Farm Database reference manual

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

Whole Farm Data Base reference manual

2003

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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 co-operation and goodwill.

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1.0 INTRODUCTION

Meeting Users' Needs

The Whole Farm Database (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 Database

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 DATABASE

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 Database (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 Database Tabulations" Jan. 1992, Ménard, Chartrand and Culver, available from the Agriculture Division of Statistics Canada.

2.2 DATABASE 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 2001
 - detailed revenues and expenses
 - additions and disposals of assets³
 - operator off-farm income (unincorporated only)⁴
 - operator off-farm income (unincorporated and incorporated)⁵
 - farm family off-farm income⁶
- **National Farm Survey**^{7,8} – 1988 to 1992
 - cropland acreages
 - livestock inventories
 - certain financial components⁹
- **June Crops Survey**¹⁰ – 1993 to 2001
 - cropland acreages
- **July Livestock Survey**¹⁰ – 1993 to 2001
 - livestock inventories
- **Farm Financial Survey**¹¹ – every two years from 1988 to 2002¹²
 - 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 statistical series on additions and disposals of assets does not cover the unincorporated sector from 1996 to 1999. Series was discontinued after 1999 data.

⁴ Farm operators involved in a single farm operation.

⁵ Farm operators operating incorporated and unincorporated agricultural holdings. Data available since 1993.

⁶ Unincorporated sector only. Farm families involved in a single farm operation, 1989 to 2000 only.

⁷ Since the 1993 reference year, the NFS has been replaced by the June Crops Survey and the July Livestock Survey.

⁸ The NFS did not cover Newfoundland and Labrador for 1992.

⁹ Prairie provinces only. These data are not available for 1992.

¹⁰ The JCS did not cover Newfoundland and Labrador from 1993 to 1997. This province was excluded from the JLS in 1993 and 1994.

¹¹ The FFS was originally collected by the Farm Credit Corporation under the name "Farm Survey". The dates are for reference years 1987 to 2001.

¹² 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 database 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 F](#)) 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
R421	Fruits	R248	Sheep and Lamb Purchases
R411	Vegetables (non-greenhouse)	R249	Other Livestock Purchases
R412	Tobacco	R250	Feed, Supplements, Straw and Bedding
R2011	Greenhouse, Nursery and Floriculture Products	R255	Veterinary Fees, Medicine and Breeding Fees
R435	Forage Crops (including Forage Seed)	R2107	Other Livestock Expenses
R437	Unspecified Crops (Quebec only) ¹³	R2110	Total Livestock Expenses
R2012	Other Crops	R270	Small Tools
R2000	Total Other Crop Revenues	R2111	Net Fuel Expenses, Machinery, Truck, Auto
R2020	Total Crop Revenues	R2112	Repairs, Licenses and Insurance
R2016	Cattle	R2120	Total Machinery Expenses
R441	Swine	R2121	Salaries (including CPP, QPP, EI)
R2017	Poultry and Eggs	R2122	Rent
R443	Sheep and Goats	R275	Insurance
R2018	Dairy Products and Subsidies	R285	Telephone (Farm Share)
R2019	Other Livestock and Products	R2123	Net Electricity (Farm Share)
R2025	Total Livestock and Product Revenues	R295	Heating Fuel (Farm Share)
R3011	Program Payments and Insurance Proceeds	R300	Custom Work and Machine Rental
R475	Custom Work and Machine Rental	R2126	Net Interest Expenses
R2027	Rental Income	R2127	Net Property Tax
R2021	Other Forest Products	R2128	Building and Fence Repairs
R2004	Cash Advances (Net)	R2129	Marketing Expenses
R2029	Miscellaneous Revenues	R2131	Miscellaneous Farm Expenses
R2030	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

¹³ 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 ¹⁴ – 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 ¹⁵ – 1996 to 1999 taxation year ¹⁶

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 ¹⁷

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
T6095	Total Other Off-Farm Income
T6105	Total Off-Farm Income (excluding T6091 Taxable Capital Gains)
T6091	Taxable Capital Gains
T6100	Total Off-Farm Income (including T6091 Taxable Capital Gains)

¹⁴ Net business portion.¹⁵ Net business portion.¹⁶ All sectors covered to 1995. From 1996 to 1999, data series only covers incorporated sector and communal farming organizations. Series discontinued after 1999 data.¹⁷ 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		Livestock Inventories	
C280	Total Wheat	C403	Bulls 1 Year and Over
C208	Oats	C404	Dairy Cows
C209	Barley	C405	Beef Cows
C234	Canary Seed	C406	Dairy Heifers 1 Year and Over
C235	Fababeans	C407	Beef Heifers 1 Year and Over
C213	Mixed Grains	C402	Slaughter/Feeder Heifers 1 Year and Over
C282	Total Rye	C408	Steers 1 Year and Over
C216	Corn for Grain	C409	Calves Under 1 Year
C226	Buckwheat	C410	Total Cattle and Calves
C215	Canola (Rapeseed)		
C228	Soybeans	C605	Boars 6 Months and Over
C214	Flaxseed	C606	Sows for Breeding and Bred Gilts
C224	Mustard Seed	C607	Pigs < 45 lb (< 20 kg)
C230	Sunflower Seed	C608	Pigs 45 – 130 lb (20 - 60 kg)
C1010	Total Grains and Oilseeds	C609	Pigs > 130 lb (> 60 kg)
		C610	Total Pigs
C223	Dry Peas		
C229	Beans (Dry, White)	C302	Ewes 1 Year and Over
C231	Lentils	C303	Lambs Under 1 Year – Breeding
C236	Beans (Dry, Coloured)	C304	Lambs Under 1 Year – Slaughter
C1020	Total Dry Field Peas and Beans	C301	Rams 1 Year and Over
		C331	Wethers 1 Year and Over
C217	Corn for Fodder	C310	Total Sheep and Lambs
C220	Tame Hay		
C218	Potatoes	C323	Hens and Pullets 20 Weeks and Over
C221	Fruits and Vegetables	C325	Other Poultry
C227	Tobacco	C335	Other Livestock
C225	Other Crops	C1200	Total Other Livestock
C1030	Total Other Crop Acreages		
C1050	Total Crop Acreages		
C222	Seeded Pasture		
C219	Summerfallow		
C241	Other Land		
C1100	Total Area of Farms		

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 ¹⁸
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 ¹⁹
C410	Total Cattle and Calves		
C605	Boars 6 Months and Over	C1300	Poultry ²⁰
C606	Sows for Breeding and Bred Gilts	C1301	Other Fowl ²⁰
C607	Pigs < 45 lb (< 20 kg)	C1302	Mammals ²⁰
C608	Pigs 45 – 130 lb (20 – 60 kg)		
C609	Pigs > 130 lb (> 60 kg)		
C610	Total Pigs		

¹⁸ Applicable after the 1993 reference year.¹⁹ Applicable for the 1994 reference year.²⁰ 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 ²¹	F4401	Federal Government ²⁶
F658	Cash and Short Term Investments ²²	F401	Farm Credit Corporation ^{27,29}
F305	Accounts Receivable	F436	Advance Payments Program ²⁷
F306	Inputs	F403	Provincial Government
F307	Crops for Sale ²¹	F410	Banks, Trusts, etc.
F661	Crops for Sale (including Greenhouse and Nursery) ²²	F405	Caisses Populaires and Credit Unions
F308	Market Livestock	F407	Machinery and Supply Companies
F659	Other Current Assets ²²	F408	Private Individuals
F3001	Total Current Assets	F409	Others ²⁷
		F441	Total Current Liabilities
Long-Term Assets		Long-Term Liabilities	
F301	Farm Land and Buildings Owned	F4402	Federal Government ²⁸
F302	Breeding and Replacement Livestock ²¹	F481	Farm Credit Corporation ^{29,30}
F662	Breeding, Replacement and Other Livestock ²²	F483	Provincial Government
F303	Machinery and Equipment ²⁴	F480	Banks, Trusts, etc.
F317	Machinery and Equipment ²⁵	F485	Caisses Populaires and Credit Unions
F304	Quota	F487	Machinery and Supply Companies
F656	NISA ²³	F488	Private Individuals
F673	Long-Term Investments ²²	F489	Others ²⁹
F663	Other Long-Term Investments ²²	F4001	Total Long-Term Liabilities
F3002	Total Long-Term Assets		
F391	Other Assets ²¹	F4002	Total Farm Liabilities
F3003	Total Farm Assets	F450	Non-Farm Liabilities ²¹
F350	Non-Farm Assets ²¹	F4003	Total Net Worth

²¹ Applicable before the 1997 reference year.²² Applicable after the 1995 reference year.²³ Applicable after the 1993 reference year.²⁴ Applicable before the 1999 reference year.²⁵ Applicable after the 1997 reference year.²⁶ 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 Canada Mortgage and Housing Corporation (CMHC) and Business Development Bank of Canada (BDC) programs.²⁷ Starting with reference year 1999, FCC and APP liabilities are shown as separate categories, and the other federal liabilities are included in the "Others" category.²⁸ Applicable before the 1999 reference year. Long-term "Federal government" liabilities included Farm Credit Corporation and other federal programs such as Canada Mortgage and Housing Corporation and Business Development Bank of Canada programs.²⁹ Starting with reference year 1999, FCC liabilities are shown as a separate category, and the other federal liabilities are included in the "Others" category.³⁰ 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 ³¹
F203	House Construction or Major Renovation
F212	Manure Storage Construction or Major Renovation ³²
F213	Pesticide, Chemical or Fuel Storage Construction or Major Renovation ³²
F204	Other Building Construction or Major Renovation ³²
F214	Environmental Protection Improvements ³¹
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

³¹ Prior to reference year 2001, "Land Improvements" included "Environmental Protection Improvements".

³² Prior to reference year 2001, "Other Building Construction or Renovation" included "Manure Storage Construction or Major Renovation" and "Pesticide Chemical or Fuel Storage Construction or Major Renovation".

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 Canada Mortgage and Housing Corporation and Business Development Bank of Canada.

⁴⁰ Starting with reference year 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	0.00% to 4.99%	Excellent
B	5.00% to 9.99%	Very Good
C	10.00% to 14.99%	Good
D	15.00% to 24.99%	Acceptable
E	25.00% to 34.99%	Use with caution
F	>=35.00%	Too unreliable to be published

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". With regard to the estimated number of farm operators, it is rounded to the base "5" in the series of farm operators operating single unincorporated agricultural holdings and to the base "10" in the series of farm operators operating incorporated or unincorporated agricultural holdings. 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 FARM AND OFF-FARM INCOME STATISTICS – Internet Publication

This electronic publication (Statistics Canada catalogue no. 21-019-XIE) is available free of charge on the Internet. It provides detailed financial information on farm-level revenues, expenses and net operating income by province, type of farm (based on the North American Industry Classification System) and revenue class. Information on the degree of specialization for selected farm types and financial performance indicators of farms by province and by type of farm are also presented. Sources and levels of farm and off-farm income for operators and farm families are featured as well as distributional tables on farm and off-farm income. This publication also includes data highlights and information on concepts, methods and data quality.

Data from Canada Customs and Revenue Agency's income tax returns of unincorporated and incorporated farms provide the statistical basis for this publication.

This publication is available on Statistics Canada's Web site at www.statcan.ca/cgi-bin/downpub/freepub.cgi.

3.3 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 www.statcan.ca/cgi-bin/downpub/freepub.cgi and on the Agriculture and Agri-Food Canada Internet site at www.agr.ca/spb/fiap.

3.4 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 2001, it also includes historical data. Charts and text outlining concepts, methods and data highlights supplement the tables.

New editions will be published every year in December on Statistics Canada's Web site at www.statcan.ca/cgi-bin/downpub/freepub.cgi.

3.5 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 Database. 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.

3.6 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 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.

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

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 and Labrador, 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 and Labrador, 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

New Farm Classification System

Starting with the 2001 reference year, data for all data sources offered on the WFDB are compiled on the basis of the North American Industry Classification System (NAICS), which replaces the 1980 Standard Industrial Classification (SIC)². Historical data series for all data sources have been reproduced based on NAICS in order to facilitate the transition between the SIC³ and NAICS.

* Indicates variables currently available on ESAS.

¹ The CARs are outlined on the maps found in **Appendix E** (pages E1 to E9). All the maps are based on the **2001 Census of Agriculture boundaries**.

² NAICS Canada replaces both the 1980 Standard Industrial Classification for Establishments (SIC-E) and the 1980 Standard Industrial Classification for Companies and Enterprises (SIC-C).

³ The SIC is a system developed by Statistics Canada for arranging producing units into industries.

The NAICS is an industry classification system that was developed by the statistical agencies of Canada, Mexico and the United States. Created against the background of the North American Free Trade Agreement, NAICS is designed to provide common definitions of the industrial structure of the three countries and a common statistical framework to facilitate the analysis and the comparability of the three economies. NAICS is based on a production-oriented or supply-based conceptual framework. This means that producing units that use similar production processes are grouped together in NAICS. By grouping businesses that use similar production processes, data classified according to NAICS are more suitable for the analysis of production related issues such as productivity or industrial performance.

The NAICS has a hierarchical structure and uses a six-digit numbering system. The first two digits designate the sector (the agriculture sector is part of 11—Agriculture, Forestry, Fishing and Hunting), the third digit represents the subsector, the fourth indicates the industry group, the fifth represents the industries, and the sixth digit designates national industries. (NAICS with Canadian detail is designated NAICS Canada.)

Taxation Data Program (TDP)

Starting with the 2001 reference year, the TDP has adopted the North American Industry Classification System. The TDP series based on the 1980 SIC-E published up to the 2001 reference year (preliminary data) have now been terminated. Previous years' data have been recalculated to the new classification system back to 1987. Each record has been revisited and the farm type has been reassigned according to the new classification.

Farm Financial Survey (FFS)

Reference year 2001 is the last year for which FFS data were released on an SIC basis. Data for 2001 and for previous years have been converted directly to NAICS.

Other Data Sources

Like for the FFS, all data series from the June Crops Survey (JCS), the July Livestock Survey (JLS) and the National Farm Survey have been converted directly to NAICS; reference year 2000 is the last year for which JCS and JLS data were produced on an SIC basis.

***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 50%⁴ 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. As noted above, the North American Industry Classification System (NAICS) acts now as the basis for classifying the farm types.

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 beef cattle farm realizes 90% of its total agricultural sales from the sale of cattle, then the degree of cattle specialization will be 90%.

^{*} Indicates variables currently available on ESAS.

⁴ The rule of 51% or more of the sales was used by the WFDB to determine the primary farm type on the SIC basis.

Listed below are the 11 new standard farm types that, from now on, will serve as a basis in the WFDB. They will also be found on the 2003 version of the *Extraction System of Agricultural Statistics* CD-ROM. For a complete set of farm types and their respective availability for each of the data sources see **Table A.1**.

Farm Types

- Oilseed and grain farming
- Potato farming
- Other vegetable (except potato) and melon farming
- Fruit and tree nut farming
- Greenhouse, nursery and floriculture production
- Other crop farming
- Beef cattle ranching and farming, including feedlots
- Dairy cattle and milk production
- Hog and pig farming
- Poultry and egg production
- Other animal production

NAICS divides establishments in the agriculture sector in two subsectors: crop production and animal production.

Crop production (NAICS code 111)

This subsector comprises establishments, such as farms, orchards, groves, greenhouses and nurseries, primarily engaged in growing crops, plants, vines, trees and their seeds (excluding those engaged in forestry operations). Industries have been created taking into account input factors, such as suitable land, climatic conditions, type of equipment, and the amount and type of labour required. The production process is typically completed when the raw product or commodity grown reaches the "farm gate" for market, that is, at the point of first sale or price determination. An establishment is classified to a NAICS industry or a national level industry within this subsector provided that fifty percent or more of the establishment's agricultural production consists of the crops of the industry. Establishments with fifty percent or more crop production and with no one product or family of products of an industry accounting for fifty percent of the production are treated as combination crop farms and classified to 11199, All other crop farming, except for establishments with fifty percent or more in the production of oilseeds and grain, which are classified to 11119, Other grain farming.

*The WFDB standard farm types under the **Crop production** subsector are:*

Oilseed and grain farming (NAICS code 1111)

This industry group comprises establishments primarily engaged in growing oilseeds and grains. Establishments primarily engaged in producing seeds are classified in the appropriate crop industry.

Potato farming (NAICS code 11211)

This Canadian industry comprises establishments primarily engaged in growing potatoes and seed potatoes, except sweet potatoes.

Other vegetable (except potato) and melon farming (NAICS code 11219)

This Canadian industry comprises establishments, not classified to any other Canadian industry, primarily engaged in growing vegetables and melons. Establishments primarily engaged in producing vegetable and melon seeds, except seed potatoes, and vegetable and melon bedding plants are also included in this industry.

Fruit and tree nut farming (NAICS code 1113)

This industry group comprises establishments primarily engaged in growing fruit and nuts.

Greenhouse, nursery and floriculture production (NAICS code 1114)

This industry group comprises establishments primarily engaged in growing crops of any kind under cover, growing nursery crops and growing flowers. "Under cover" includes in greenhouses, cold frames, cloth houses, and lath houses. The crops grown are removed at various stages of maturity.

Other crop farming (NAICS code 1119)

This industry group comprises establishments, not classified to any other industry group, primarily engaged in growing crops, such as tobacco, peanuts, sugarbeets, cotton, sugar cane, hay, agave, herbs and spices, mint, hops, and hay and grass seeds. Combination crop farming and the gathering of maple sap are included in this industry group.

Animal production (NAICS code 112)

This subsector comprises establishments, such as ranches, farms and feedlots, primarily engaged in raising animals, producing animal products and fattening animals. Industries have been created taking into account input factors such as suitable grazing or pasture land, specialized buildings, type of equipment, and the amount and type of labour required. An establishment is classified to a NAICS industry or a national level industry within this subsector provided that fifty percent or more of the establishment's agricultural production consists of the products of that industry. Establishments with fifty percent or more animal production and with no one product or family of products of an industry accounting for fifty percent of the production are treated as combination animal farms and classified to 11299, All other animal production.

*The WFDB standard farm types under the **Animal production** subsector are:*

Beef cattle ranching and farming, including feedlots (NAICS code 112110)

This Canadian industry comprises establishments primarily engaged in raising and fattening cattle. The raising of cattle for dairy herd replacements is also included in this industry.

Exclusion(s): Establishments primarily engaged in milking dairy cattle (Dairy cattle and milk production).

Dairy cattle and milk production (NAICS code 112120)

This Canadian industry comprises establishments primarily engaged in milking dairy cattle.

Exclusion(s): Establishments primarily engaged in: raising, feeding or fattening cattle (Beef cattle ranching and farming, including feedlots); raising dairy herd replacements (Beef cattle ranching and farming, including feedlots); milking goats (Goat farming).

For farms involved in dairy cattle and milk production, the rule of fifty percent or more is altered slightly—only 40% or more of agricultural sales are derived from the sale of dairy products and 10% or more from raising and selling dairy cattle.

Hog and pig farming (NAICS code 112210)

This Canadian industry group comprises establishments primarily engaged in raising hogs and pigs.

Poultry and egg production (NAICS code 1123)

This industry group comprises establishments primarily engaged in breeding, hatching and raising poultry for meat or egg production.

Other animal production (NAICS code 112A)

NAICS code 112A, which has been created by the Agriculture Division of Statistics Canada, is a combination of the two following industry groups: Sheep and goat farming (NAICS code 1124) and Other animal production (NAICS code 1129). The first industry group comprises establishments primarily engaged in raising sheep and goats, and feeding or fattening lambs. The second industry group comprises establishments, not classified to any other industry group, primarily engaged in raising animals, such as bees, horses and other equines, rabbits and other fur-bearing animals, llamas, deer, worms, crickets, laboratory animals and companion animals, for example dogs, cats, pet birds and other pets. The production of animal products, such as honey and other bee products, are also included. Establishments primarily engaged in raising a combination of animals, classified in other industries with no one predominating, are also included in this industry group.

A detailed description of the activities for each code and title of the classes of NAICS Canada is presented in **Appendix D**.

For a concordance between the farm type codes based on the NAICS structure and the previous WFDB codes based on the SIC structure, refer to **Table A.2**.

***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

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](#).

* Indicates variables currently available on ESAS.

Table A.1 Farm Type Codes and Titles Based on NAICS Structure and Availability by Data Source

NAICS Codes	Farm Types	TDP	FFS	JCS	JLS	NFS
111	Crop production	X	X	X	X	X
1111	Oilseed and grain farming	X	X	X	X	X
111110	Soybean farming	X				
111120	Oilseed (except soybean) farming	X		X	X	X
111130	Dry pea and bean farming	X		X	X	X
111140	Wheat farming	X		X	X	X
111150	Corn farming	X		X	X	X
111160	Rice farming					
111190	Other grain farming	X	X	X	X	X
1112	Vegetable and melon farming	X	X	X	X	X
111211	Potato farming	X	X	X	X	X
111219	Other vegetable (except potato) and melon farming	X	X	X	X	
1113	Fruit and tree nut farming	X	X	X	X	
111310	Orange groves					
111320	Citrus (except orange) groves					
111330	Non-citrus fruit and tree nut farming					
1114	Greenhouse, nursery and floriculture production	X	X	X	X	X
111411	Mushroom production	X		X	X	
111419	Other food crops grown under cover					
111421	Nursery and tree production					
111422	Floriculture production					
↓						
111488	* Nursery, floriculture and other greenhouse production	X	X	X	X	X
1119	Other crop farming	X	X	X	X	X
111910	Tobacco farming	X	X	X	X	X
111920	Cotton farming					
111930	Sugar cane farming					
111940	Hay farming	X		X	X	X
111993	Fruit and vegetable combination farming	X		X	X	X
111999	All other miscellaneous crop farming	X	X	X	X	X
112	Animal production	X	X	X	X	X
1121	Cattle ranching and farming	X	X	X	X	X
112110	Beef cattle ranching and farming, including feedlots	X	X	X	X	X
112120	Dairy cattle and milk production	X	X	X	X	X
1122	Hog and pig farming	X	X	X	X	X
112210	Hog and pig farming	X	X	X	X	X

* Agriculture Division of Statistics Canada created this code. The official NAICS coding is 1114A.

NAICS Codes	Farm Types	TDP	FFS	JCS	JLS	NFS
1123	Poultry and egg production**	X	X	X	X	X
112310	Chicken egg production	X	X	X	X	X
112320	Broiler and other meat-type chicken production		X			X
112330	Turkey production		X			
112391	Combination poultry and egg production					
112399	All other poultry production		X			
↓						
112388	* Broiler, turkey and all other poultry production	X		X	X	X
112340	Poultry hatcheries	X		X	X	
1124	Sheep and goat farming	X	X	X	X	X
112410	Sheep farming					
112420	Goat farming					
1125	Animal aquaculture					
112510	Animal aquaculture					
1129	Other animal production	X	X	X	X	X
112910	Apiculture	X	X	X	X	
112930	Fur-bearing animal and rabbit production	X	X	X	X	
112920	Horse and other equine production		X			
112999	All other miscellaneous animal production		X			
↓						
11288	* Horse and all other animal production	X		X	X	
112991	Animal combination farming	X	X	X	X	X
112888	* Other animal production***	X	X	X	X	X

* Agriculture Division of Statistics Canada created this code. The official NAICS coding is 1123A, 1129A and 112A.

** Starting with reference year 2001, NAICS code 1123 includes NAICS code 112340 for the TDP, JCS and JLS.

*** NAICS code 112888 includes NAICS code 1124 and NAICS code 1129.

Table A.2 Concordance Between Farm Type Codes Based on NAICS Structure and WFDB Codes Based on SIC Structure by Data Source

NAICS Codes	Farm Types	WFDB codes based on SIC**				
		TDP	FFS	JCS	JLS	NFS
111	Crop production					
1111	Oilseed and grain farming					
111110	Soybean farming	1330				
111120	Oilseed (except soybean) farming	1330		1330	1330	1330
111130	Dry pea and bean farming	1360		1360	1360	1360
111140	Wheat farming	1310		1310	1310	1310
111150	Corn farming	1340		1340	1340	1340
111160	Rice farming					
111190	Other grain farming	1320	1396	1320	1320	1320
		1405		1396	1396	1405
				1405	1405	
1112	Vegetable and melon farming					
111211	Potato farming	1380	1380	1380	1380	1380
111219	Other vegetable (except potato) and melon farming	1520	1520	1520	1520	
1113	Fruit and tree nut farming	1510	1510	1510	1510	
111310	Orange groves					
111320	Citrus (except orange) groves					
111330	Non-citrus fruit and tree nut farming					
1114	Greenhouse, nursery and floriculture production					
111411	Mushroom production	1610		1610	1610	
111419	Other food crops grown under cover					
111421	Nursery and tree production					
111422	Floriculture production					
↓						
111488	* Nursery, floriculture and other greenhouse production	1625	1620	1625	1625	1625
		1693	1625	1693	1693	
1119	Other crop farming					
111910	Tobacco farming	1370	1370	1370	1370	1370
111920	Cotton farming					
111930	Sugar cane farming					
111940	Hay farming	1350		1350	1350	1350
111993	Fruit and vegetable combination farming	1590		1590	1590	1590
111999	All other miscellaneous crop farming	1390	1320	1390	1390	1409
		1395	1390	1395	1395	
		1409	1397	1397	1397	
		1691	1692	1400	1409	
		1692	1700	1409	1690	
		1694		1690	1691	
		1699		1691	1692	
		1700		1692	1699	

* Agriculture Division of Statistics Canada created this code. The official NAICS coding is 1114A.

** For titles, see **Table A.3**.

Table A.2 Concordance Between Farm Type Codes Based on NAICS Structure and WFDB Codes Based on SIC Structure by Data Source (continued)

NAICS Codes	Farm Types	TDP	WFDB codes based on SIC**			
			FFS	JCS	JLS	NFS
112	Animal production					
1121	Cattle ranching and farming					
112110	Beef cattle ranching and farming, including feedlots	1120	1121 1122 1123 1124	1120	1120	1121 1122 1123 1124
112120	Dairy cattle and milk production	1110	1110	1110	1110	1110
1122	Hog and pig farming					
112210	Hog and pig farming	1130	1131 1132 1133 1134	1130	1130	1131 1132 1133 1134
1123	Poultry and egg production***					
112310	Chicken egg production	1142	1142 1144	1142	1142	1142
112320	Broiler and other meat-type chicken production		1141			1141
112330	Turkey production		1143			
112391	Combination poultry and egg production					
112399	All other poultry production		1144			
↓						
112388	* Broiler, turkey and all other poultry production	1141 1149		1140 1141 1149	1140 1141	1149
112340	Poultry hatcheries	1145		1145	1145	
1124	Sheep and goat farming	1150	1150	1150	1150	1150
112410	Sheep farming					
112420	Goat farming					
1125	Animal aquaculture					
112510	Animal aquaculture					
1129	Other animal production					
112910	Apiculture	1210	1210	1210	1210	
112930	Fur-bearing animal and rabbit production	1230	1230	1230	1230	
112920	Horse and other equine production		1220 1290			
112999	All other miscellaneous animal production		1290			
↓						
112988	* Horse and all other animal production	1290		1220 1290	1220 1290	

* Agriculture Division of Statistics Canada created this code. The official NAICS coding is 1123A and 1129A.

** For titles, see **Table A.3**.

*** Starting with reference year 2001, NAICS code 1123 includes NAICS code 112340 for the TDP, JCS and JLS.

Table A.2 Concordance Between Farm Type Codes Based on NAICS Structure and WFDB Codes Based on SIC Structure by Data Source (concluded)

NAICS Codes	Farm Types	WFDB codes based on SIC**				
		TDP	FFS	JCS	JLS	NFS
112991	Animal combination farming	1190	1190	1190	1190	1190
		1299	1700	1200	1299	1299
		1700		1299		
112888	* Other animal production***					

* Agriculture Division of Statistics Canada created this code. The official NAICS coding is 112A.
 ** For titles, see **Table A.3**.
 *** NAICS code 112A includes NAICS code 1124 and NAICS code 1129.

Table A.3 Farm Type Codes and Titles Based on SIC Structure

WFDB Codes Based on SIC	Farm Types
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
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
1250	Artificial insemination*
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)
1400	Field crop combination
1405	Grains and oilseeds combination <i>(combination of wheat, small grains, oilseeds, grain corn, or dry peas and beans)</i>

* In NAICS, artificial insemination is included under code 115210 (Support activities for animal production).

Table A.3 Farm Type Codes and Titles Based on SIC Structure (concluded)

WFDB Codes Based on SIC	Farm Types
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
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:

R2020 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

R2000 Total Other Crop Revenues– includes:

- R410 Potatoes – table potatoes, seed and processing potatoes
- R2006 Fruits and Vegetables – includes:
 - R421 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
- R2011 Greenhouse, Nursery and Floriculture Products – includes:
 - R414 mushrooms
 - R415 greenhouse and nursery products – nursery, greenhouse or floriculture operations (Also included: ornamental plants, shrubs and trees; cut and field grown flowers; rooted cuttings; seeds and bulbs; and sod and turf farms)
 - R471 Christmas trees

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.

- 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)
- R2012 Other Crops – includes:
 - R413 ginseng
 - R427 other field crops – sugar beets, hops, mangels and turnips (for livestock feed)
 - R465 maple products – maple syrup, maple sugar, or maple taffy

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, weaner pigs, 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's 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, stud service³ and embryo transplants⁴

R2030 Total Other Revenues – includes:

- R3011 Program Payments and Insurance Proceeds – includes income from provincial stabilization programs, the now-terminated Gross Revenue Insurance Plan (GRIP), payments and other subsidies (such as hog incentive programs, acreage payments, assistance for clearing land and government grants), plus aggregate amounts reported for subsidies, patronage dividends and reimbursements. Program payments also include insurance proceeds from programs (private and government) for crops and livestock due to adverse weather conditions, disease or other reasons. Disaster assistance payments from federal and provincial programs are also included. Dairy subsidies are not included in program payments nor are Net Income Stabilization Account (NISA) withdrawals of unincorporated farms.

² Prior to 1996, included also artificial insemination, semen and stud service. This variable is no longer available since 1997.

³ Only available since 1996 in the TDP.

⁴ Embryo transplants are included since 1997.

- 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
- R2021 Other Forest Products – includes:
 R470 wood (including stumpage fees) – logs, trees, wooden fence posts or any related forest products such as chips or slab wood
 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 Capital Cost Allowance (CCA) Recaptured – capital cost allowance recovered, recaptured from last year, etc.
- R2041 Inventory Adjustments – includes:
 R635 mandatory inventory adjustment ⁵
 R641 optional inventory adjustment ⁵
- R2042 Non-Applicable Income – income not earned from the sale of farm products

R2050 Gross Farm Income for Tax Purposes (R2040 + R2045)

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

Expenses

R2140 Total Operating Expenses – includes:

R2105 Total Crop Expenses – includes:

- R230 Fertilizer and Lime
- 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 calves⁶
- R246 Swine Purchases – hogs such as service boars, gilts, sows, and weaner pigs⁶
- R247 Poultry and Egg Purchases – chicks, pullets, broilers, layer hens, ducks, geese, turkeys, and other fowl⁶
- R248 Sheep and Lamb Purchases – sheep, lambs, and goats⁶
- R249 Other Livestock Purchases – horses, ponies, minks, foxes, rabbits, ostriches, and bees (or colonies)⁶
- R250 Feed, Supplements, Straw and Bedding – hay, straw, feed grains such as oats, barley, and corn; supplements such as salts, 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

⁶ Data for this variable are imputed to a greater extent for data years 1996 and beyond since most of the data sources (traditional printed forms and electronic forms for the unincorporated farm, and the General Index of Financial Information (GIFI) for the corporations) have no breakdown of livestock purchases available.

- 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 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

- R308 share expenses
- R311 sand, soil and gravel
- R320 other farm expenses – miscellaneous or sundry
- 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 cost for saleable products consumed
less 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:
 - R326 mandatory inventory adjustment ⁷
 - R327 optional inventory adjustment ⁷
- 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
 - 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

⁷ For definitions, please refer to **Farming Income Tax Guide** available from Canada Customs and Revenue Agency.

Class 3	5% buildings acquired between 1978 and 1988 cement, steel, or stone docks cement or stone breakwaters
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 ⁸
Class 60	Other ⁸

Additions and disposals of assets⁹ – 1996 to 1999 taxation years

Equipment (S140 and S240)

- class 7 boats and component parts
- class 8 bee equipment
grain or seed cleaners

⁸ Agriculture Division of Statistics Canada created these classes.

⁹ All sectors covered to 1995. From 1996-1999, data series only covers incorporated sector and communal farming organizations. Series discontinued after 1999 data.

- 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)
- 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 ¹⁰ (S150 and S250)

- class 50 quota

Other ¹⁰ (S160 and S260)

- class 60 other

Total (S198 and S298)**Off-Farm Income ¹¹****Total Off-Farm Income – includes:**

T6010¹² 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

¹⁰ Agriculture Division of Statistics Canada created these classes.

¹¹ The items that follow (except TCHIL, FAQUE, FABC, FABEN and some of the 4-digit codes) 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**.

¹² Starting with the 1999 data, the total of wages and salaries in the statistical series on off-farm family income includes tax-exempt employment income earned on an Indian reserve. Starting in 2000, this change is also reflected in the off-farm operator income series.

T6040	Net Commission Income
	T139 commission income
T6050	Net Fishing Income
	T143 fishing income
T6060	Net Off-Farm Self-Employment Income
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 benefits
	T115 other pensions or superannuation
	T146 net federal supplements ¹³
T6090	Other Off-Farm Income – includes:
	T118 family allowance payments (applicable before 1993)
	T119 Employment Insurance benefits ¹⁴
	T128 taxable amount of support payments received
	T130 other income
	T144 Workers' compensation benefits ¹³
	T145 social assistance payments ¹³
	TCHIL Canada Child Tax Benefit ¹⁵
	FAQUE Quebec family allowance ¹⁶
	FABC British Columbia family allowance ¹⁷
	FABEN family allowance ¹⁸
T6092	RRSP
	T129 registered retirement savings plan income ¹⁹
T6095	Total Other Off-Farm 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)

¹³ Applicable after 1991.

¹⁴ On July 1, 1996, the Unemployment Insurance program officially became known as the Employment Insurance program.

¹⁵ The Canada Child Tax Benefit (CCTB) program, which started in July 1998 in support of the National Child Benefit initiative, replaces the previous Child Tax Benefit (CTB) program. The CTB was introduced in January 1993, replacing a system of universal family allowances and child tax credits. These benefits were not included in the 1993 off-farm income estimates.

¹⁶ Applicable for the 1994 to 1996 reference years. These benefits were only included in the off-farm family income estimates.

¹⁷ Applicable for the 1996 reference year. These benefits were only included in the off-farm family income estimates.

¹⁸ Family allowances for Alberta, British Columbia, New Brunswick and Quebec are included under FABEN since 1997; provincial family allowances for Nova Scotia, Ontario and Saskatchewan, since 1998; and those for Newfoundland and Labrador, since 1999. Provincial family allowances are only included in the statistical series on off-farm family income.

¹⁹ Starting in 1999, only RRSP income of people aged 65 or older is included in the statistical series on off-farm family income. Starting in 2000, this change is also reflected in the off-farm operator income series.

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, 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: the Self-Employment File for Agriculture (SEFA), from which a sample of unincorporated farm tax returns is randomly selected; and the CORTAX¹ (Corporation Tax Processing System) file, from which is selected a random sample of tax returns filed by incorporated operations classified as farms under the North American Industry Classification System (NAICS)² and that have sales exceeding \$25,000. In 2001, the sampling rates of the unincorporated sector varied from a complete census in Newfoundland and Labrador to about 22% in Quebec. In the incorporated sector, the sampling rates ranged from a complete census in the Atlantic provinces to about 32% in Ontario.

The source of data of the unincorporated sector is currently comprised of three different types of taxfiler returns: traditional printed forms, electronic forms (since 1992) and joint NISA-CCRA³ tax returns (since 1997). Unincorporated farm data originating from printed forms are captured by CCRA staff at several CCRA regional taxation centres and forwarded to Statistics Canada in electronic format. CCRA also supplies Statistics Canada with the electronically filed returns and data from the joint NISA-CCRA farming return throughout the year.

For the incorporated sector, Statistics Canada captured all of the financial data (i.e. detailed revenues, expenses, additions and disposals) from corporate farm taxation returns up to and including the 1999 data year. Starting with the 2000 taxation year, corporate farming data have been supplied electronically by CCRA from a file termed General Index of Financial Information (GIFI).

¹ Prior to reference year 2001, the source for the incorporated operations was the CORPAC (corporate accounting and collections system) file.

² Prior to reference year 2001, operations were classified as farms under the Standard Industrial Classification (SIC).

³ NISA: Net Income Stabilization Account
CCRA: Canada Customs and Revenue Agency

Data from all sources (unincorporated, incorporated) are subjected to a series of customized editing and imputation procedures designed and updated annually by Statistics Canada. Top contributors for each province are verified for accuracy for all income and expense variables. Raw data are eventually expanded by the sampling “weight” (adjusted by partnership share if applicable), and aggregated to arrive at final estimates designed to represent the entire farm taxfiler population.

More information on the sample and methodology of the TDP is available in the publication *Farm and Off-Farm Income Statistics* (refer to Section 3.2 entitled **FARM AND OFF-FARM INCOME STATISTICS – Internet Publication**).

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 upon request.

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*⁴.

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](#).

⁴ *Census family refers to a married couple or a common-law couple with or without children at home; or a lone-parent of any marital status, with at least one child living at home. There is no restriction on the age of the children. Children must report a marital status other than “married” or “living common-law” and have no child living in the household. Previous to the 1998 data, children had to report “single” as their marital status. Starting with the 2000 data, same-sex couples are also included.*

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), 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 2001, a sample of approximately 29,200 farms was drawn. This survey includes the acreage that growers seeded with field crops at the end of the 2000-2001 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 1996⁵. 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 and Labrador 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: Total estimates on crop seeded acreages and on other acreages that were obtained from the June Crops Survey and that are part of the WFDB have been adjusted to take into account administrative data and to reflect the results of the 1996 and 2001 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 2001, a sample was drawn of approximately 30,000 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 1996⁶. 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 and Labrador was excluded from the frame.

⁵ The Area Frame Survey was conducted for the last time in 1995.

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: Total estimates on cattle and calves, pigs, and sheep and lambs inventory that were obtained from the July Livestock Survey and that are part of the WFDB have been adjusted to take into account administrative data and to reflect the results of the 1996 and 2001 Censuses 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 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. Between 1994 and 2002, this survey has been conducted on a biennial basis only. For 2002, the sample size was 20,000. In 2003, it was decided that this survey would be conducted on an annual basis. While the relatively small sample size may constrain some disaggregations, it is capable of providing reliable financial agricultural data. 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 1996⁶ to estimate detailed financial variables. For FFS 2002, a sample of 325 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 3.4](#) entitled **FARM FINANCIAL SURVEY (FFS) – Internet Publication**).

More detailed information on the methodology of the Taxation Data Program, 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.

⁶ 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 ⁷ Usable Records		Total
			Unincorporated Sector (T1)	Incorporated Sector (T2)	
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) ⁸	All provinces except Prairies	34,628	-	34,628
1988 ⁹	Revenues & expenses and Additions & disposals	All provinces except Prairies	25,210	4,592	29,802
	Operator off-farm income (T1 only) ⁸	All provinces except Prairies	24,338	-	24,338
1989 ⁹	Revenues & expenses and Additions & disposals	All provinces except Prairies	26,033	4,583	30,616
	Operator off-farm income (T1 only) ⁸	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) ⁸	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) ⁸	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) ⁸	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 ¹⁰
	Operator off-farm income (T1 only) ⁸	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 ¹⁰
	Operator off-farm income (T1 only) ⁸	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	11,669	102,216 ¹⁰
	Operator off-farm income (T1 only) ⁸	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

⁷ Number of usable records with operating revenues equal to or greater than \$10,000.

⁸ Off-farm income for operators involved in a single farm operation – unincorporated sector only.

⁹ Data for 1988 and 1989 are not available for the BC Peace River Region.

¹⁰ Excludes communal organizations.

¹¹ Expanded coverage of electronic tax filers begins with the 1995 data.

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

Reference Year	Variables	Availability	Sample Size ¹² Usable Records		
			Unincorporated Sector (T1)	Incorporated Sector (T2)	Total
Taxation Data Program – Concluded					
Number of Tax Records					
1996	Revenues & expenses and Additions & disposals ¹³	All provinces	110,404	11,453	121,857 ¹⁴
	Operator off-farm income (T1 only) ¹⁵	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 ¹³	All provinces	114,351	11,782	126,133 ¹⁴
	Operator off-farm income (T1 only) ¹⁵	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 ¹³	All provinces	129,449	8,800	138,249 ¹⁴
	Operator off-farm income (T1 only) ¹⁵	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
1999	Revenues & expenses and Additions & disposals ¹³	All provinces	127,695	10,764	138,459 ¹⁴
	Operator off-farm income (T1 only) ¹⁵	All provinces	122,132	-	122,132
	Operator off-farm income	All provinces	127,695	14,322	142,017
	Farm Family off-farm income	All provinces	91,569	-	91,569
2000	Revenues & expenses	All provinces	132,824	9,984	142,808 ¹⁴
	Operator off-farm income (T1 only) ¹⁵	All provinces	127,076	-	127,076
	Operator off-farm income	All provinces	132,824	15,263	148,087
	Farm Family off-farm income	All provinces	94,539	-	94,539
2001	Revenues & expenses	All provinces	141,767	11,634	153,401 ¹⁴
	Operator off-farm income (T1 only) ¹⁵	All provinces	135,599	-	135,599
	Operator off-farm income	All provinces	141,767	19,973	161,740
	Farm Family off-farm income	All provinces	-	-	-
Reference Year	Variables	Availability	Sample Size ¹² 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 and Labrador	23,497	5,887	29,384
	Livestock inventories	All except Newfoundland and Labrador	23,497	5,887	29,384
	Certain financial components	None	-	-	-

¹² Number of usable records with operating revenues equal to or greater than \$10,000.¹³ From 1996 to 1999. Additions and Disposals cover only T2 and T3.¹⁴ Excludes communal organizations.¹⁵ 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) – Continued

Reference Year	Variables	Availability	Sample Size ¹⁶ Usable Records		Total
			Unincorporated Sector	Incorporated Sector	
Number of Farms					
June Crops Survey					
1993	Cropland acreages	All except Newfoundland and Labrador	18,523	2,156	20,679
1994	Cropland acreages	All except Newfoundland and Labrador	19,676	2,246	21,922
1995	Cropland acreages	All except Newfoundland and Labrador	18,863	2,228	21,091
1996	Cropland acreages	All except Newfoundland and Labrador	21,259	2,435	23,694
1997	Cropland acreages	All except Newfoundland and Labrador	19,440	2,211	21,651
1998	Cropland acreages	All provinces	20,679	2,038	22,717
1999	Cropland acreages	All provinces	20,997	2,373	23,370
2000	Cropland acreages	All provinces	19,722	2,401	22,123
2001	Cropland acreages	All provinces	19,487	2,838	22,325
July Livestock Survey					
1993	Livestock inventories	All except Newfoundland and Labrador	19,588	2,772	22,360
1994	Livestock inventories	All except Newfoundland and Labrador	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
1999	Livestock inventories	All provinces	18,807	2,644	21,451
2000	Livestock inventories	All provinces	18,288	2,660	20,948
2001	Livestock inventories	All provinces	17,968	2,985	20,953

¹⁶ Number of usable records with operating revenues equal to or greater than \$10,000.

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

Reference Year	Variables	Availability	Sample Size ¹⁷ Usable Records		Total
			Unincorporated Sector	Incorporated Sector	
Number of Farms					
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
2001	Assets & liabilities Capital investments & sales Long-term capital borrowed	All provinces	9,674	3,557	13,231

¹⁷ Number of usable records with operating revenues equal to or greater than \$10,000.

APPENDIX D

DESCRIPTION OF NAICS CODES

Descriptions

The codes and titles of the classes of NAICS Canada are shown with a detailed description of the activities of which, each is comprised. The class description is followed by a few important exclusions that identify activities classified elsewhere in NAICS, with the code to which the activity is classified. Finally, a list of example activities that belong to the class is presented.

11 Agriculture, Forestry, Fishing and Hunting

This sector comprises establishments primarily engaged in growing crops, raising animals, harvesting timber, harvesting fish and other animals from their natural habitats and providing related support activities.

Establishments primarily engaged in agricultural research or that supply veterinary services are not included in this sector.

111 Crop Production

This subsector comprises establishments, such as farms, orchards, groves, greenhouses and nurseries, primarily engaged in growing crops, plants, vines, trees and their seeds (excluding those engaged in forestry operations). Industries have been created taking into account input factors, such as suitable land, climatic conditions, type of equipment, and the amount and type of labour required. The production process is typically completed when the raw product or commodity grown reaches the "farm gate" for market, that is, at the point of first sale or price determination. An establishment is classified to a NAICS industry or a national level industry within this subsector provided that fifty percent or more of the establishment's agricultural production consists of the crops of the industry. Establishments with fifty percent or more crop production and with no one product or family of products of an industry accounting for fifty percent of the production are treated as combination crop farms and classified to 11199, All Other Crop Farming, except for establishments with fifty percent or more in the production of oilseeds and grain, which are classified to 11119, Other Grain Farming.

1111 Oilseed and Grain Farming

This industry group comprises establishments primarily engaged in growing oilseeds and grains. Establishments primarily engaged in producing seeds are classified in the appropriate crop industry.

11111 Soybean Farming

This industry comprises establishments primarily engaged in growing soybeans.

Example Activities: Soya bean farming; Soybeans (soya beans), growing

11110 Soybean Farming

See industry description for 11111, above.

11112 Oilseed (except Soybean) Farming

This industry comprises establishments primarily engaged in growing fibrous plants that produce oilseeds.

Example Activities: Canola (rapeseed) farming; Linseed (flaxseed), growing; Mustard seed farming; Sunflower farming

11120 Oilseed (except Soybean) Farming^{US}

See industry description for 11112, above.

11113 Dry Pea and Bean Farming

This industry comprises establishments primarily engaged in growing dry peas, beans and lentils.

Exclusion(s): Establishments primarily engaged in:

- growing fresh green beans and peas (11121, Vegetable and Melon Farming).

Example Activities: Dry field beans, growing; Dry field peas, growing; Faba beans, growing; Lentils farming, dry; Pulses, dry, growing

111130 Dry Pea and Bean Farming^{US}

See industry description for 11113, above.

11114 Wheat Farming

This industry comprises establishments primarily engaged in growing wheat.

Example Activities: Durum wheat, growing; Wheat farming

111140 Wheat Farming

See industry description for 11114, above.

11115 Corn Farming

This industry comprises establishments primarily engaged in growing corn.

Exclusion(s): Establishments primarily engaged in:

- growing sweet corn (11121, Vegetable and Melon Farming).

Example Activities: Corn for grain, growing; Corn for popping, growing

111150 Corn Farming^{US}

See industry description for 11115, above.

11116 Rice Farming

This industry comprises establishments primarily engaged in growing rice, except wild rice.

Exclusion(s): Establishments primarily engaged in:

- growing wild rice (11119, Other Grain Farming).

Example Activities: Rice (except wild rice) farming

111160 Rice Farming

See industry description for 11116, above.

11119 Other Grain Farming

This industry comprises establishments, not classified to any other industry, primarily engaged in growing grains. Farms primarily engaged in growing a combination of oilseeds and grains are also included.

Exclusion(s): Establishments primarily engaged in:

- growing wheat (11114, Wheat Farming);
- growing corn, except sweet corn (11115, Corn Farming);
- growing rice, except wild rice (11116, Rice Farming); and
- growing sweet corn (11121, Vegetable and Melon Farming).

Example Activities: Barley farming; Buckwheat farming; Canary seed farming; Millet, growing; Oat farming; Oil seed and grain farming, combination; Rye, growing; Wild rice, farming

111190 Other Grain Farming^{CAN}

See industry description for 11119, above.

1112 Vegetable and Melon Farming

See industry description for 11121, below.

11121 Vegetable and Melon Farming

This industry comprises establishments primarily engaged in growing vegetables and melons. Establishments primarily engaged in producing vegetable and melon seeds and vegetable and melon bedding plants are also included in this industry.

Exclusion(s): Establishments primarily engaged in:

- growing corn, except sweet corn (11115, Corn Farming); and
- growing vegetables and melons under glass or protective cover (11141, Food Crops Grown Under Cover).

111211 Potato Farming^{US}

This Canadian industry comprises establishments primarily engaged in growing potatoes and seed potatoes, except sweet potatoes.

Exclusion(s): Establishments primarily engaged in:

- growing sweet potatoes, cassava and yams (111219, Other Vegetable (except Potato) and Melon Farming).

Example Activities: Potato farming (except sweet and yams); Seed potatoes, growing

111219 Other Vegetable (except Potato) and Melon Farming^{US}

This Canadian industry comprises establishments, not classified to any other Canadian industry, primarily engaged in growing vegetables and melons. Establishments primarily engaged in producing vegetable and melon seeds, except seed potatoes, and vegetable and melon bedding plants are also included in this industry.

Example Activities: Market gardening; Melon farming; Sweet corn farming; Sweet potato farming; Vegetable bedding plants, growing of; Vegetable crops, growing; Vegetable seed growing; Yam farming

1113 Fruit and Tree Nut Farming

This industry group comprises establishments primarily engaged in growing fruit and nuts.

11131 Orange Groves

This industry comprises establishments primarily engaged in growing oranges.

Example Activities: Orange groves and farms

111310 Orange Groves

See industry description for 11131, above.

11132 Citrus (except Orange) Groves

This industry comprises establishments primarily engaged in growing citrus fruit, except oranges.

Example Activities: Lemon groves and farms

111320 Citrus (except Orange) Groves^{US}

See industry description for 11132, above.

11133 Non-Citrus Fruit and Tree Nut Farming

This industry comprises establishments primarily engaged in growing tree nuts and non-citrus fruit.

Exclusion(s): Establishments primarily engaged in:

- harvesting berries and nuts from native and non-cultivated plants (11321, Forest Nurseries and Gathering of Forest Products).

Example Activities: Apple orchards; Berry farming; Cranberry bogs; Strawberries, growing; Tree nut groves and farms; Vineyards

111330 Non-Citrus Fruit and Tree Nut Farming^{CAN}

See industry description for 11133, above.

1114 Greenhouse, Nursery and Floriculture Production

This industry group comprises establishments primarily engaged in growing crops of any kind under cover, growing nursery crops and growing flowers. "Under cover" includes in greenhouses, cold frames, cloth houses, and lath houses. The crops grown are removed at various stages of maturity.

11141 Food Crops Grown Under Cover

This industry comprises establishments primarily engaged in growing food crops under glass or protective cover.

Exclusion(s): Establishments primarily engaged in:

- growing vegetable and melon bedding plants, not under protective cover (11121, Vegetable and Melon Farming).

111411 Mushroom Production^{US}

This Canadian industry comprises establishments primarily engaged in growing mushrooms under cover.

Example Activities: Mushroom cellars; Mushroom farming

111419 Other Food Crops Grown Under Cover^{US}

This Canadian industry comprises establishments, not classified to any other Canadian industry, primarily engaged in growing food crops under glass or protective cover.

Example Activities: Food crops (except mushrooms), grown under cover; Greenhouse tomatoes, growing; Herb farming, grown under cover; Hydroponics crops, grown under cover; Market gardening, greenhouse; Seaweed grown under cover; Vegetable farming, grown under cover

11142 Nursery and Floriculture Production

This industry comprises establishments primarily engaged in growing, under cover or in open fields, nursery and floriculture products, such as nursery stock, shrubbery, cut flowers, flower seeds, potted flowering and foliage plants, flower bedding plants, ornamental plants, or some combination of these, and propagating materials, for example, plugs, cuttings, and tissue cultures. The growing of short rotation woody crops, such as cut Christmas trees and cottonwoods for pulpwood, which have a typical growth cycle of ten years or less, are also included in this industry.

Exclusion(s): Establishments primarily engaged in:

- growing vegetable and melon bedding plants (11121, Vegetable and Melon Farming);
- the operation of timber tracts that have a growth cycle of greater than ten years (11311, Timber Tract Operations);
- growing seedling trees for reforestation (11321, Forest Nurseries and Gathering of Forest Products); and
- retailing nursery, tree stock and floriculture products primarily purchased from others (44422, Nursery

Stores and Garden Centres).

111421 Nursery and Tree Production^{US}

This Canadian industry comprises establishments primarily engaged in growing, under cover or in open fields, nursery products and trees, and short rotation woody crops, for pulp and tree stock, that have a typical growth cycle of ten years or less.

Exclusion(s): Establishments primarily engaged in:

- the operation of timber tracts that have a growth cycle of greater than ten years (113110, Timber Tract Operations); and
- retailing nursery, tree stock, and floriculture products primarily purchased from others (444220, Nursery Stores and Garden Centres).

Example Activities: Bedding plants, nursery grown; Christmas tree farming; Fruit trees, nursery stock, growing; Nursery (tree and plant); Nursery stock, growing of; Ornamental shrubs, nursery grown; Rose bushes, growing; Turf (sod) farming

111422 Floriculture Production^{US}

This Canadian industry comprises establishments primarily engaged in growing, under cover or in open fields, floriculture products and propagating materials.

Exclusion(s): Establishments primarily engaged in:

- retailing floriculture products primarily purchased from others (444220, Nursery Stores and Garden Centres).

Example Activities: Flower bulb growing, greenhouse; Flower growing, greenhouse; Flower nursery; Flower seed production

1119 Other Crop Farming

This industry group comprises establishments, not classified to any other industry group, primarily engaged in growing crops, such as tobacco, peanuts, sugarbeets, cotton, sugar-cane, hay, agave, herbs and spices, mint, hops, and hay and grass seeds. Combination crop farming and the gathering of maple sap are included in this industry group.

11191 Tobacco Farming

This industry comprises establishments primarily engaged in growing tobacco.

Example Activities: Tobacco farming

111910 Tobacco Farming

See industry description for 11191, above.

11192 Cotton Farming

This industry comprises establishments primarily engaged in growing cotton.

Example Activities: Cotton farming

111920 Cotton Farming

See industry description for 11192, above.

11193 Sugar-Cane Farming

This industry comprises establishments primarily engaged in growing sugar-cane.

Example Activities: Sugar-cane farming

111930 Sugar-Cane Farming

See industry description for 11193, above.

11194 Hay Farming

This industry comprises establishments primarily engaged in growing hay, grasses and mixed hay.

Exclusion(s): Establishments primarily engaged in:

- growing grain hay or forage/silage production (1111, Oilseed and Grain Farming); and
- growing grass and hay seeds (11199, All Other Crop Farming).

Example Activities: Alfalfa hay farming; Clover hay farming; Forage crops (except corn for grain), farming;
Hay farming

111940 Hay Farming^{US}

See industry description for 11194, above.

11199 All Other Crop Farming

This industry comprises establishments, not classified to any other industry, primarily engaged in growing crops, such as peanuts, sugarbeets, agave, hay and grass seeds, herbs and spices, mint, hops and algae, and gathering tea and maple sap. Establishments primarily engaged in general crop farming or combination crop farming, such as combination fruit and vegetable farming, are also included in this industry.

Exclusion(s): Establishments primarily engaged in:

- growing wheat, corn, rice, soybeans, and other grains and oilseeds (1111, Oilseed and Grain Farming);
- growing a combination of oilseeds and grains (11119, Other Grain Farming);
- growing vegetables and melons (11121, Vegetable and Melon Farming);
- growing tree nuts and fruit (1113, Fruit and Tree Nut Farming);
- growing greenhouse, nursery and floriculture products (1114, Greenhouse, Nursery and Floriculture Production);
- growing tobacco (11191, Tobacco Farming);
- growing cotton (11192, Cotton Farming);
- growing sugar-cane (11193, Sugar-Cane Farming); and
- growing hay (11194, Hay Farming).

111993 Fruit and Vegetable Combination Farming^{CAN}

This Canadian industry comprises establishments primarily engaged in growing a combination of fruit and vegetables.

Example Activities: Fruit and vegetable farming, combination; Small fruit and vegetable farming, combination;
Tree fruit and vegetable farming, combination

111999 All Other Miscellaneous Crop Farming^{CAN}

This Canadian industry comprises establishments, not classified to any other Canadian industry, primarily engaged in growing crops and gathering maple sap. Establishments primarily engaged in general crop farming or combination crop farming (except combination fruit and vegetable farming), are also included in this Canadian industry.

Example Activities: Crop and livestock combination farm (primarily crop); Crop farms, general; Field crop combination farm (except grain and oil seeds); Ginseng farming, except greenhouse grown; Grass seed farming; Hop, growing; Maple sap, gathering of; Maple sugar bush, operating; Maple syrup and products, production; Mint farming, except greenhouse grown; Peanut farming; Sugar beet farming,

112 Animal Production

This subsector comprises establishments, such as ranches, farms and feedlots, primarily engaged in raising animals, producing animal products and fattening animals. Industries have been created taking into account input factors such as suitable grazing or pasture land, specialized buildings, type of equipment, and the amount and type of labour required. An establishment is classified to a NAICS industry or a national level industry within this subsector provided that fifty percent or more of the establishment's agricultural production consists of the products of that industry. Establishments with fifty percent or more animal production and with no one product or family of products of an industry accounting for fifty percent of the production are treated as combination animal farms and classified to 11299, All Other Animal Production.

1121 Cattle Ranching and Farming

This industry group comprises establishments primarily engaged in raising, milking and fattening cattle.

11211 Beef Cattle Ranching and Farming, including Feedlots

This industry comprises establishments primarily engaged in raising and fattening cattle. The raising of cattle for dairy herd replacements is also included in this industry.

Exclusion(s): Establishments primarily engaged in:

- milking dairy cattle (11212, Dairy Cattle and Milk Production).

Example Activities: Beef cattle feedlots; Beef cattle ranching; Dairy heifer replacement production

112110 Beef Cattle Ranching and Farming, including Feedlots^{CAN}

See industry description for 11211, above.

11212 Dairy Cattle and Milk Production

This industry comprises establishments primarily engaged in milking dairy cattle.

Exclusion(s): Establishments primarily engaged in:

- raising, feeding or fattening cattle (11211, Beef Cattle Ranching and Farming, including Feedlots);
- raising dairy herd replacements (11211, Beef Cattle Ranching and Farming, including Feedlots); and
- milking goats (11242, Goat Farming).

Example Activities: Dairy cows and milk, producing; Dairy farming; Milk, fluid, raw, producing

112120 Dairy Cattle and Milk Production

See industry description for 11212, above.

1122 Hog and Pig Farming

See industry description for 11221, below.

11221 Hog and Pig Farming

This industry comprises establishments primarily engaged in raising hogs and pigs.

Example Activities: Boar raising, domestic; Farrow to finish hog farm; Hog feedlot; Hog raising; Pig farming; Swine farrow to finish (farming); Weanling (feeder) pigs, raising

112210 Hog and Pig Farming^{US}

See industry description for 11221, above.

1123 Poultry and Egg Production

This industry group comprises establishments primarily engaged in breeding, hatching and raising poultry for

meat or egg production.

11231 Chicken Egg Production

This industry comprises establishments primarily engaged in raising chickens for the production of eggs, including hatching eggs.

Example Activities: Egg farms, chicken

112310 Chicken Egg Production^{US}

See industry description for 11231, above.

11232 Broiler and Other Meat-Type Chicken Production

This industry comprises establishments primarily engaged in raising chickens for the production of meat.

Example Activities: Broiler chicken farming; Fryer chickens, raising

112320 Broiler and Other Meat-Type Chicken Production

See industry description for 11232, above.

11233 Turkey Production

This industry comprises establishments primarily engaged in raising turkeys.

Example Activities: Turkey egg production; Turkey farming

112330 Turkey Production

See industry description for 11233, above.

11234 Poultry Hatcheries

This industry comprises establishments primarily engaged in hatching poultry of any kind.

Exclusion(s): Establishments primarily engaged in:

- raising aviary birds, such as parakeets, canaries and love birds (11299, All Other Animal Production).

Example Activities: Chick hatchery service; Poultry hatchery

112340 Poultry Hatcheries

See industry description for 11234, above.

11239 Other Poultry Production

This industry comprises establishments, not classified to any other industry, primarily engaged in raising poultry such as ducks, geese, pheasant, quail, ostriches and emus. Establishments primarily engaged in raising a combination of poultry for meat or egg production, classified in other industries with no one predominating, are also included in this industry.

112391 Combination Poultry and Egg Production^{CAN}

This Canadian industry comprises establishments primarily engaged in raising any combination of poultry for meat or egg production, classified in other industries with no one predominating.

Exclusion(s): Establishments primarily engaged in:

- raising chickens for egg production (112310, Chicken Egg Production);
- raising broilers and other meat-type chickens (112320, Broiler and Other Meat-Type Chicken Production);

- raising turkeys (112330, Turkey Production);
- hatching poultry of any kind (112340, Poultry Hatcheries);
- raising all other poultry (112399, All Other Poultry Production); and
- raising aviary birds, such as parakeets, canaries and love birds (112999, All Other Miscellaneous Animal Production).

Example Activities: Poultry and egg farm; Poultry combination farming

112399 All Other Poultry Production^{CAN}

This Canadian industry comprises establishments, not classified to any other industry, primarily engaged in raising poultry such as ducks, geese, pheasant, quail, ostriches and emus.

Exclusion(s): Establishments primarily engaged in:

- raising chickens for egg production (112310, Chicken Egg Production);
- raising broilers and other meat-type chickens (112320, Broiler and Other Meat-Type Chicken Production);
- raising turkeys (112330, Turkey Production);
- hatching poultry of any kind (112340, Poultry Hatcheries);
- combination poultry and egg production (112391, Combination Poultry and Egg Production); and
- raising aviary birds, such as parakeets, canaries and love birds (112999, All Other Miscellaneous Animal Production).

Example Activities: Duck farming; Egg farms, poultry (except chicken and turkey); Geese farming, Guinea fowl, raising; Pheasant farming; Quail farming; Squab farming

1124 Sheep and Goat Farming

This industry group comprises establishments primarily engaged in raising sheep and goats, and feeding or fattening lambs.

11241 Sheep Farming

This industry comprises establishments primarily engaged in raising sheep and lambs, and feeding or fattening lambs.

Example Activities: Feedlots, lamb; Lamb raising; Sheep farming; Wool production, farming

112410 Sheep Farming^{US}

See industry description for 11241, above.

11242 Goat Farming

This industry comprises establishments primarily engaged in raising goats.

Example Activities: Goat farming; Milk production, goat farm; Mohair farming

112420 Goat Farming

See industry description for 11242, above.

1125 Animal Aquaculture

See industry description for 11251, below.

11251 Animal Aquaculture

This industry comprises establishments primarily engaged in farm-raising finfish, shellfish, or any other kind of aquatic animal. These establishments use some form of intervention in the rearing process to enhance production, such as keeping animals in captivity, regular stocking and feeding of animals, and protecting them from predators.

Exclusion(s): Establishments primarily engaged in:

- catching or taking fish and other aquatic animals from their natural habitats (11411, Fishing).

Example Activities: Cultured pearl production; Finfish hatcheries; Fingerlings (hatchery fish), raising, fisheries service; Fish farming; Frog production, farm raising; Shellfish, farming

112510 Animal Aquaculture^{CAN}

See industry description for 11251, above.

1129 Other Animal Production

This industry group comprises establishments, not classified to any other industry group, primarily engaged in raising animals, such as bees, horses and other equines, rabbits and other fur-bearing animals, llamas, deer, worms, crickets, laboratory animals and companion animals, for example dogs, cats, pet birds and other pets. The production of animal products, such as honey and other bee products, are also included. Establishments primarily engaged in raising a combination of animals, classified in other industries with no one predominating, are also included in this industry group.

11291 Apiculture

This industry comprises establishments primarily engaged in raising bees, collecting and gathering honey, and performing other apiculture activities.

Example Activities: Beekeeping; Honey and beeswax production

112910 Apiculture

See industry description for 11291, above.

11292 Horse and Other Equine Production

This industry comprises establishments primarily engaged in raising horses, mules, donkeys and other equines.

Exclusion(s): Establishments primarily engaged in:

- boarding horses (11521, Support Activities for Animal Production).

Example Activities: Equines, raising; Horse ranching; Mule production; Pregnant mares' urine (pmu), producing

112920 Horse and Other Equine Production

See industry description for 11292, above.

11293 Fur-Bearing Animal and Rabbit Production

This industry comprises establishments primarily engaged in raising fur-bearing animals, including rabbits.

Exclusion(s): Establishments primarily engaged in:

- trapping or hunting wild fur-bearing animals (11421, Hunting and Trapping).

Example Activities: Chinchilla production; Fur bearing animal production; Fur-bearing animal skins (ranch raised), undressed, producing; Rabbit raising

112930 Fur-Bearing Animal and Rabbit Production

See industry description for 11293, above.

11299 All Other Animal Production

This industry comprises establishments, not classified to any other industry, primarily engaged in raising animals, such as llamas, bison, wild boar, deer, elk, worms, crickets, laboratory animals and companion animals, for

example dogs, cats, pet birds and other pets. Establishments primarily engaged in raising a combination of animals, classified in other industries with no one predominating, are also included in this industry.

Exclusion(s): Establishments primarily engaged in:

- raising cattle (1121, Cattle Ranching and Farming);
- raising hogs and pigs (11221, Hog and Pig Farming);
- raising poultry (1123, Poultry and Egg Production);
- raising sheep and goats (1124, Sheep and Goat Farming);
- raising aquatic animals (11251, Animal Aquaculture);
- raising bees (11291, Apiculture);
- raising horses and other equines (11292, Horse and Other Equine Production); and
- raising fur-bearing animals, including rabbits (11293, Fur-Bearing Animal and Rabbit Production).

112991 Animal Combination Farming^{CAN}

This Canadian industry comprises establishments primarily engaged in raising a combination of animals, classified in other industries with no one predominating.

Example Activities: Combination livestock farming; Crop and livestock farming; combination (primarily livestock); Livestock and animal specialty farms, general; Livestock combination farm

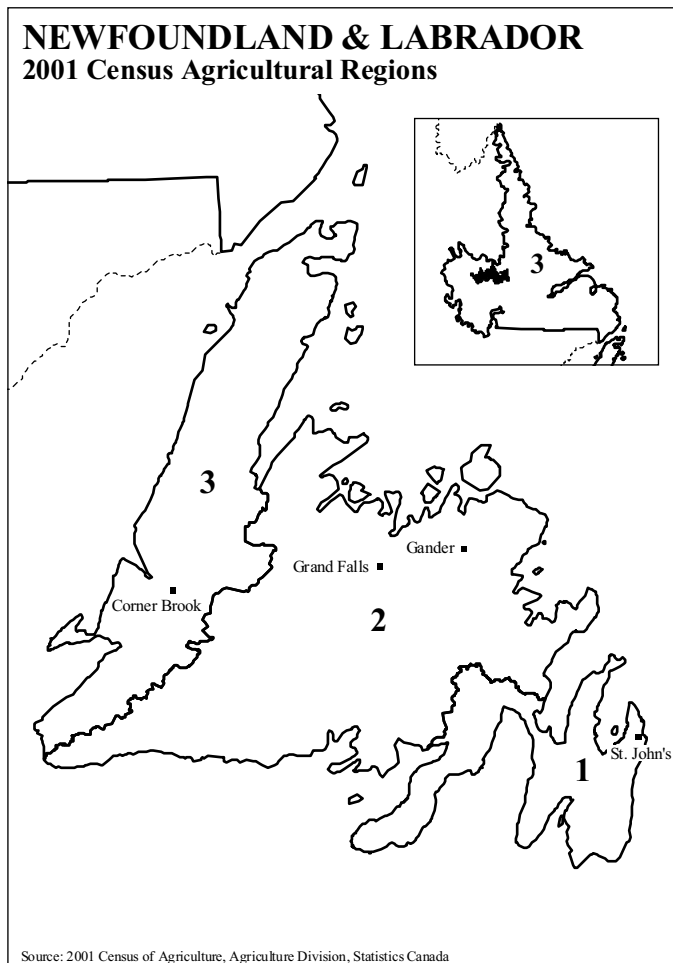
112999 All Other Miscellaneous Animal Production^{CAN}

This Canadian industry comprises establishments, not classified to any other Canadian industry, primarily engaged in raising animals.

Example Activities: Aviaries (e.g., raising parakeet, canary, and love birds); Laboratory animal production (e.g., rats, mice, and guinea pigs); Pet animal, raising; Wild boar, raising; Worm production

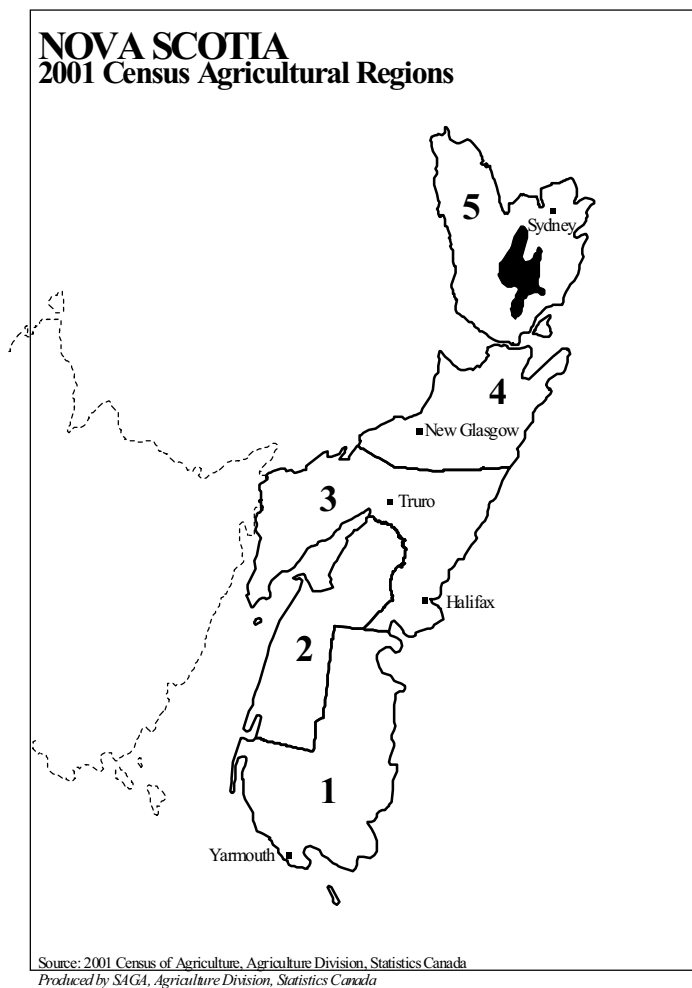
Source: This information was obtained from the publication *North American Industry Classification System – NAICS Canada* (Catalogue No. 12-501-XPE).

APPENDIX E
CENSUS MAPS



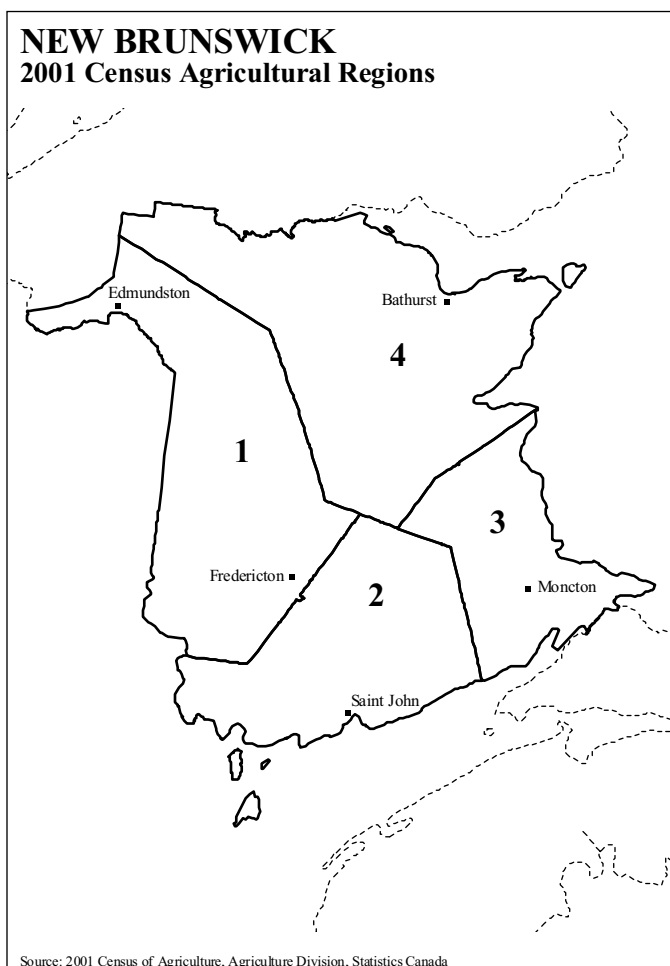
Newfoundland & Labrador

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



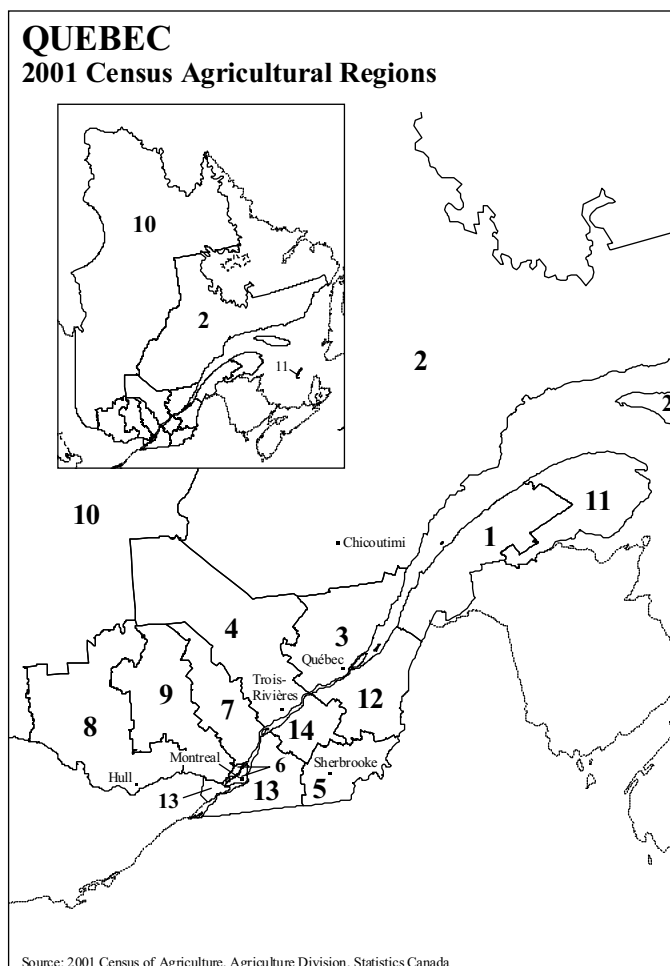
Nova Scotia

- 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



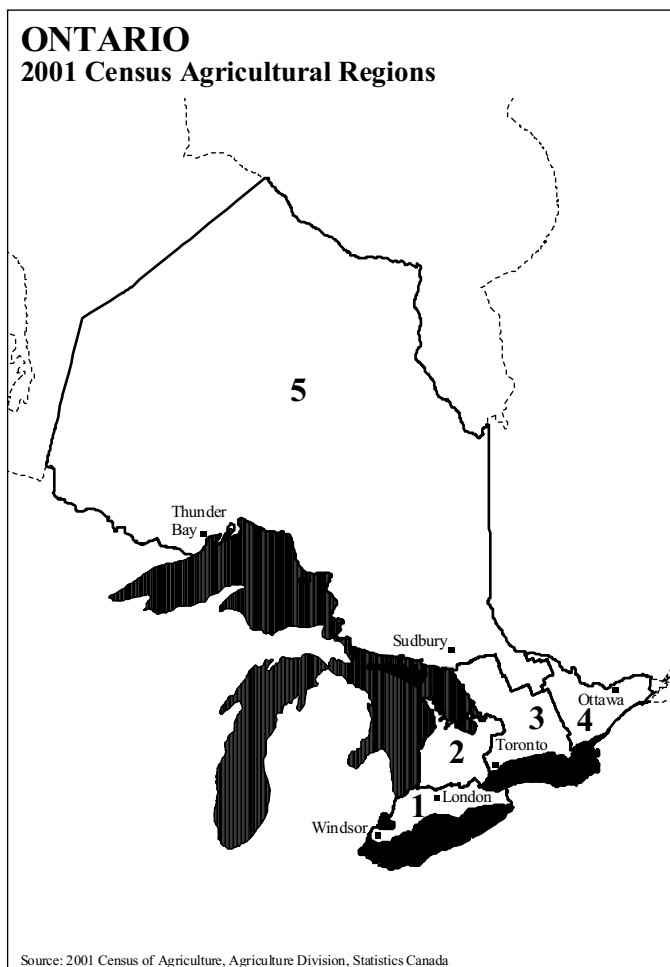
New Brunswick

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



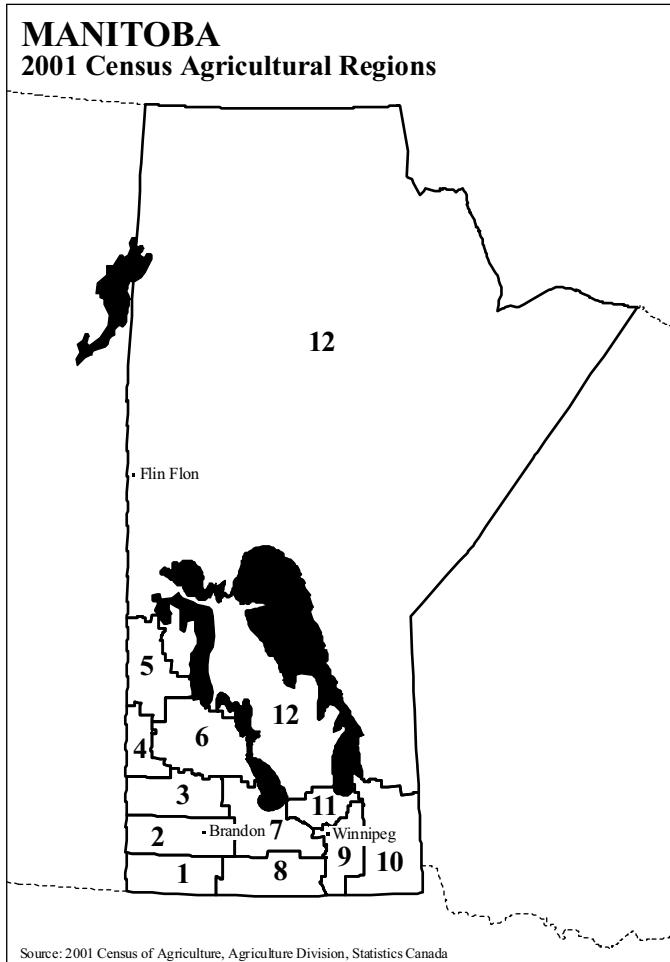
Quebec

- 1 Bas-Saint-Laurent
- 2 Saguenay, Lac-Saint-Jean, Côte-Nord
- 3 Québec
- 4 Mauricie
- 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
- 14 Centre-du-Québec



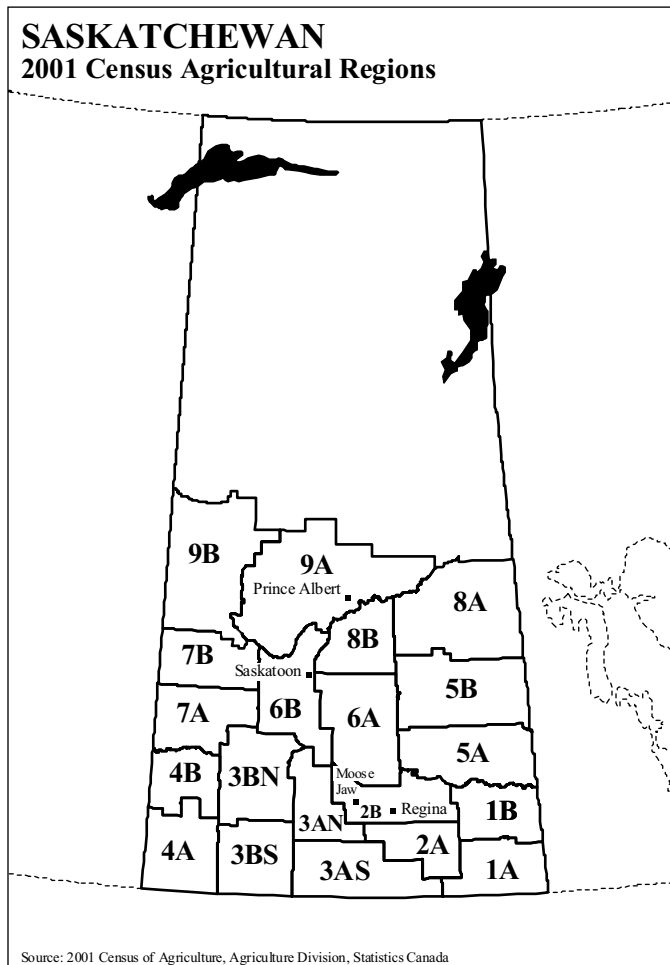
Ontario

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



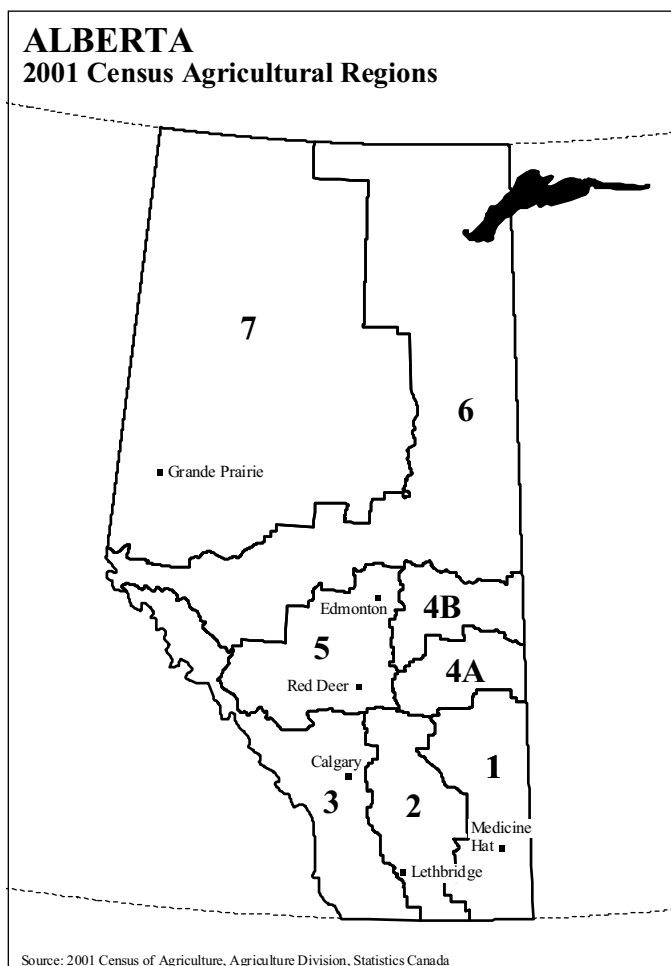
Manitoba

- 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



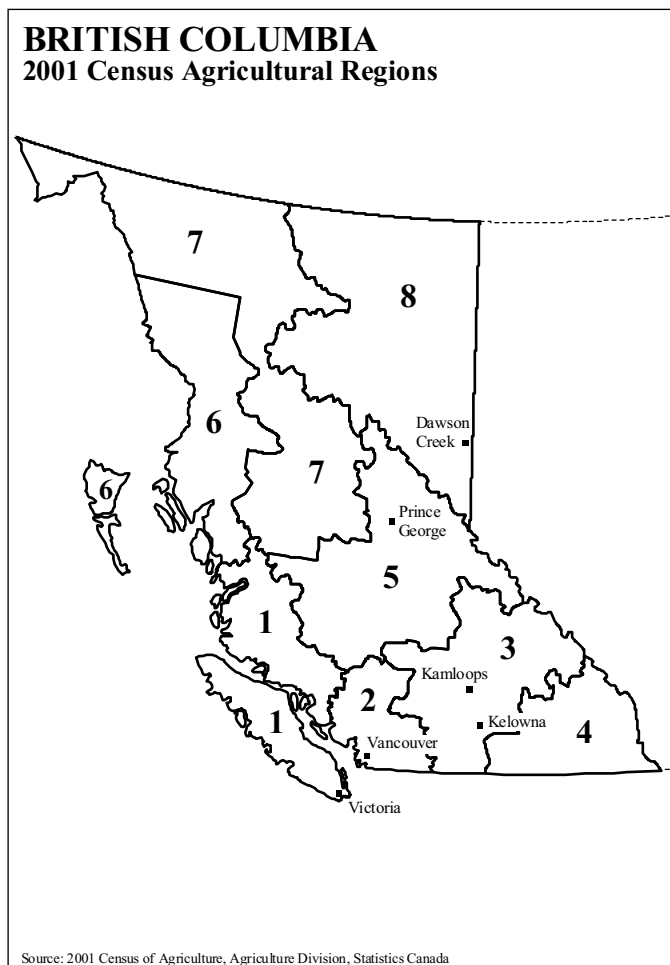
Saskatchewan

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

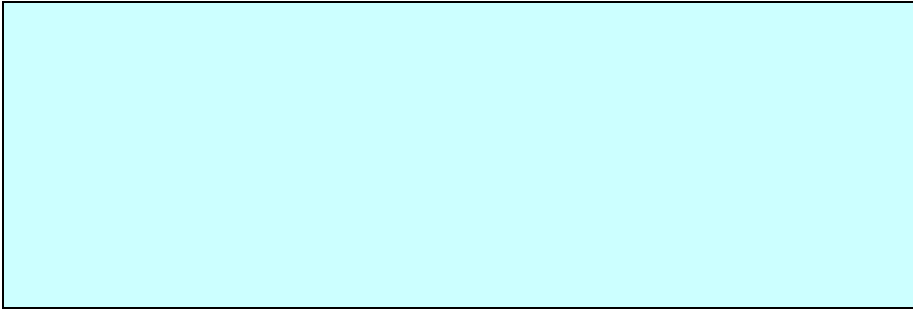
- 1 Vancouver Island, Coast Region
- 2 Lower Mainland, Southwest Region
- 3 Thompson, Okanagan Region
- 4 Kootenay Region
- 5 Cariboo Region
- 6 North Coast Region
- 7 Nechako Region
- 8 Peace River Region

APPENDIX F

SURVEY QUESTIONNAIRES

JUNE 2001 FARM SURVEY

Manitoba, Saskatchewan, Alberta and 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	<div style="border: 1px solid black; height: 15px; width: 100%;"></div> Farm Name (if applicable)	<div style="border: 1px solid black; width: 30px; height: 15px; margin: 0 auto;"></div> Area Code
NA 1	<div style="border: 1px solid black; height: 15px; width: 100%;"></div> Surname or Family Name <div style="border: 1px solid black; height: 15px; width: 100%;"></div> Usual First Name and Initial	<div style="border: 1px solid black; width: 30px; height: 15px; margin: 0 auto; text-align: center;">-</div> Telephone
ADR	<div style="border: 1px solid black; width: 20px; height: 15px; display: inline-block;"></div> R.R. <div style="border: 1px solid black; width: 30px; height: 15px; display: inline-block;"></div> Box No. <div style="border: 1px solid black; width: 60px; height: 15px; display: inline-block;"></div> Number and Street Name	<div style="border: 1px solid black; width: 30px; height: 15px; margin: 0 auto; text-align: center;">-</div> Telephone
NA 3	<div style="border: 1px solid black; height: 15px; width: 100%;"></div> Partner's Name (if applicable)	<div style="border: 1px solid black; width: 30px; height: 15px; margin: 0 auto; text-align: center;">-</div> Telephone
NA 4	<div style="border: 1px solid black; height: 15px; width: 100%;"></div> Partner's Name (if applicable)	<div style="border: 1px solid black; width: 30px; height: 15px; margin: 0 auto; text-align: center;">-</div> Telephone
COR	<div style="border: 1px solid black; height: 15px; width: 100%;"></div> Corporation Name (if applicable)	

SECTION A FALL RYE OR WINTER WHEAT

The following questions deal with ALL LAND OPERATED

- **Include:** - land rented from others, cropland, woodland, waste land, pasture land, summerfallow and crown or public land used for agricultural purposes.

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

Did you seed any Fall Rye or Winter Wheat in the fall of 2000?

YES

NO (GO TO SECTION B.)



Which crop(s) did you seed?

Fall Rye

Winter Wheat

(GO TO THE NEXT QUESTION.)

What area of Fall Rye or Winter Wheat did you seed?

(in the fall of 2000)

Crop	Code	Seeded area
1. Fall Rye	112	<input type="text"/>
2. Winter Wheat	106	<input type="text"/>

(GO TO THE NEXT QUESTION.)

What area of your Fall Rye or Winter Wheat is remaining to be harvested as grain?

Crop	Code	Remaining to harvest area	ac	ha
3. Fall Rye	212	<input type="text"/>	<input type="text" value="1"/>	<input type="text" value="2"/>
4. Winter Wheat	206	<input type="text"/>	<input type="text" value="1"/>	<input type="text" value="2"/>

(GO TO SECTION B.)

SECTION B**SEEDED AREAS**

Did you or will you seed any crops in 2001?

YES

NO (GO TO SECTION C.)



Which crop(s) did you or will you seed in 2001?

- | | |
|---|--|
| <input type="checkbox"/> Barley | <input type="checkbox"/> Spring Rye |
| <input type="checkbox"/> Borage Seed | <input type="checkbox"/> Safflower |
| <input type="checkbox"/> Dry Coloured Beans | <input type="checkbox"/> Soybeans |
| <input type="checkbox"/> Dry White Beans | <input type="checkbox"/> Sugar Beets |
| <input type="checkbox"/> Buckwheat | <input type="checkbox"/> Sunflower Seed |
| <input type="checkbox"/> Canary Seed | <input type="checkbox"/> Triticale |
| <input type="checkbox"/> Canola or Rapeseed | <input type="checkbox"/> Canadian Western Extra Strong |
| <input type="checkbox"/> Caraway Seed | <input type="checkbox"/> Spring Wheat |
| <input type="checkbox"/> Chick Peas | <input type="checkbox"/> Durum Wheat |
| <input type="checkbox"/> Coriander Seed | <input type="checkbox"/> Hard Red Spring Wheat |
| <input type="checkbox"/> Corn for grain | <input type="checkbox"/> Red Prairie Spring Wheat |
| <input type="checkbox"/> Fababeans | <input type="checkbox"/> White Prairie Spring Wheat |
| <input type="checkbox"/> Flaxseed | <input type="checkbox"/> Soft White Spring Wheat |
| <input type="checkbox"/> Fodder Corn | <input type="checkbox"/> Other Spring Wheat |
| <input type="checkbox"/> Lentils - ESTON | <input type="checkbox"/> Other Field Crops |
| <input type="checkbox"/> Lentils - LAIRD | |
| <input type="checkbox"/> Lentils - OTHER AND UNKNOWN | |
| <input type="checkbox"/> Linola | |
| <input type="checkbox"/> Mixed Grains | |
| <input type="checkbox"/> Mustard Seed - BROWN | |
| <input type="checkbox"/> Mustard Seed - ORIENTAL | |
| <input type="checkbox"/> Mustard Seed - YELLOW | |
| <input type="checkbox"/> Mustard Seed - OTHER AND UNKNOWN | |
| <input type="checkbox"/> Oats | |
| <input type="checkbox"/> Potatoes | |
| <input type="checkbox"/> Dry Field Peas - GREEN | |
| <input type="checkbox"/> Dry Field Peas - YELLOW | |
| <input type="checkbox"/> Dry Field Peas - OTHER AND UNKNOWN | |

(GO TO THE NEXT QUESTION.)

SECTION B(CONT'D)**SEEDED AREAS****What is or will be your seeded area in 2001?**

	Code	Seeded area	UOM	
			ac	ha
1. Barley	209		1	2
2. Borage Seed	273		1	2
3. Dry Coloured beans	236		1	2
4. Dry white beans (navy, pea beans)	229		1	2
5. Buckwheat	226		1	2
6. Canary Seed	234		1	2
7. Canola or Rapeseed	215		1	2
8. Caraway Seed	271		1	2
9. Chick Peas	274		1	2
10. Coriander Seed	272		1	2
11. Corn for grain (include seed corn and exclude sweet corn)	216		1	2
12. Fababeans	235		1	2
13. Flaxseed	214		1	2
14. Fodder corn	217		1	2
15. Lentils - ESTON	038		1	2
16. Lentils - LAIRD	036		1	2
17. Lentils - OTHER AND UNKNOWN	040		1	2
18. Linola	238		1	2
19. Mixed Grains (two or more grains sown together)	213		1	2
20. Mustard Seed - BROWN	254		1	2
21. Mustard Seed - ORIENTAL	253		1	2
22. Mustard Seed - YELLOW	251		1	2
23. Mustard Seed - OTHER AND UNKNOWN	240		1	2
24. Oats	208		1	2
25. Potatoes	218		1	2
26. Dry Field Peas - GREEN	044		1	2
27. Dry Field Peas - YELLOW	042		1	2
28. Dry Field Peas - OTHER AND UNKNOWN	046		1	2
29. Spring Rye	210		1	2
30. Safflower	239		1	2
31. Soybeans	228		1	2
32. Sugar Beets	232		1	2
33. Sunflower Seed (including Sunola & other dwarf varieties)	230		1	2
34. Triticale	248		1	2
35. Canadian Western Extra Strong Spring Wheat (utility)	244		1	2
36. Durum Wheat	204		1	2
37. Hard Red Spring Wheat	252		1	2
38. Red Prairie Spring Wheat (semi-dwarf varieties)	275		1	2
39. White Prairie Spring Wheat(semi-dwarf varieties) (excl. Soft White Spring Whe	278		1	2
40. Soft White Spring Wheat (exclude White Prairie Spring Wheat)	207		1	2
41. Other Spring Wheat (unlicensed varieties, including Grandin Wheat)	287		1	2
42. Other Field Crops (list in comments)	225		1	2
43. Total seeded area (sum of B1 to B42)			1	2

(GO TO QUESTION 44.)

44. Of your total area to be seeded to field crops this spring, what percentage have you seeded at this time?

Code	%
100	

(GO TO SECTION C.)

SECTION C TAME HAY OR FORAGE SEED

• **Alfalfa and Alfalfa mixtures**

Include: Alfalfa and alfalfa mixed with varieties of clover, trefoil, bromegrass, timothy, orchard grass, canarygrass, ryegrass, fescue, soudan-sorghum and wheatgrass.

Exclude: All forage crop area to be harvested for commercial seed purposes and crops that will be harvested green to be used to feed animals.

• **Other Tame Hay**

Include: Varieties of clover, trefoil, bromegrass, timothy, orchard grass, canarygrass, ryegrass, fescue, soudan-sorghum and wheatgrass.

Exclude: Alfalfa and Alfalfa mixtures, all forage crop area to be harvested for commercial seed purposes and crops that will be harvested green to be used to feed animals.

• **Forage Seed**

Include: All forage crop area to be harvested for seed purposes such as: alfalfa and alfalfa mixtures, varieties of clover, trefoil, bromegrass, timothy, orchard grass, canarygrass, ryegrass, fescue, soudan-sorghum and wheatgrass.

Exclude: Forage crops to be harvested for hay or to be used for pasture.

Will you have any Tame Hay or Forage Seed in 2001?

YES NO (GO TO SECTION D.)



Which crop(s) will you have?

Alfalfa and Alfalfa mixtures Other Tame Hay Forage Seed

(GO TO THE FIRST QUESTION, IF ALFALFA AND ALFALFA MIXTURES WAS CHOSEN. GO TO THE SECOND QUESTION, IF OTHER TAME HAY WAS CHOSEN. GO TO THE THIRD QUESTION, IF FORAGE SEED WAS CHOSEN.)

TAME HAY

1. What will be your total area of Alfalfa and Alfalfa mixtures in 2001? (exclude under-seeded areas)

Crop	Code	Total area	UOM	
Alfalfa and Alfalfa mixtures	249		ac	ha

(GO TO THE NEXT CHOSEN CROP. IF LAST CROP, GO TO SECTION D.)

2. What will be your total area of all other Tame Hay in 2001?

Crop	Code	Total area	UOM	
Other Tame Hay	256		ac	ha

(GO TO THE NEXT CHOSEN CROP. IF LAST CROP, GO TO SECTION D.)

FORAGE SEED

3. What will be your total area of Forage Seed in 2001?

Crop	Code	Total area	UOM	
Forage Seed	247		ac	ha

4. Total Tame hay and Forage Seed areas (sum of C1 to C3)

			ac	ha
--	--	--	----	----

(GO TO SECTION D.)

SECTION D**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 or grazing:**

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

Do not include: - areas to be harvested as dry hay, silage or forage seed.
- community pastures, co-operative grazing associations and 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 or grazing:**

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

Do not include: - community pastures, co-operative grazing associations, grazing reserves

- **Other land:**

- area of "farmstead" (farm buildings, farmyard, home garden and roads)
- new broken land (land which has been cleared and prepared for cultivation but will not be cropped)
- wasteland, woodland, cut-over land, slough, swamp, marshland and irrigation ditches
- fruits and vegetables, mushrooms, maple trees, Christmas trees and sod.

What is your total area of {Summerfallow/Improved Land for Pasture or Grazing/Unimproved Land for Pasture or Grazing/Other Land} in 2001?

Crops	Code	Total area	UOM	
1. Summerfallow	219		ac	ha
2. Improved Land for Pasture or Grazing	222		ac	ha
3. Unimproved Land for Pasture or Grazing	237		ac	ha
4. Other Land	241		ac	ha
5. Total Land Balance (sum of D1 to D4)			ac	ha

(GO TO SECTION E.)

SECTION E**TOTAL FARM AREA**

What will be your Total Farm Area Operated in 2001?

Crops	Code	Total area	UOM	
1. Total Farm Area			ac	ha
2. Sum of sections A3 + A4 + B43 + C4 + D5	201		ac	ha
3. Difference between E1 and E2 (E1 - E2)			ac	ha
If the difference is substantial, please explain in comments.			ac	ha

(GO TO SECTION F.)

JUNE 2001 FARM SURVEY

Quebec, Ontario, B.C. (Non-Peace)



CONFIDENTIAL when completed

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

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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.

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FRM	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>
	Farm Name (if applicable)	Area Code
NA 1	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>
	Surname or Family Name	Telephone
	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>	
	Usual First Name and Initial	
ADR	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>
	R.R. Box No. Number and Street Name	
	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>
	Postal Code Post Office (name of city, town or village where mail is received)	
NA 3	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>
	Partner's Name (if applicable)	Telephone
NA 4	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>
	Partner's Name (if applicable)	Telephone
COR	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>	
	Corporation Name (if applicable)	

SECTION A FALL RYE OR WINTER WHEAT

The following questions deal with ALL LAND OPERATED

- **Include:** - land rented from others, cropland, woodland, waste land, pasture land and crown or public land used for agricultural purposes.

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

Did you seed any Fall Rye or Winter Wheat in the fall of 2000?

YES NO (GO TO SECTION B.)



Which crop(s) did you seed?

Fall Rye

Winter Wheat

(GO TO NEXT QUESTION.)

What area of Fall Rye or Winter Wheat did you seed?

(in the fall of 2000)

Crop	Code	Seeded area
1. Fall Rye	112	<input type="text"/>
2. Winter Wheat	106	<input type="text"/>

What area of your Fall Rye or Winter Wheat is remaining to be harvested as grain?

Crop	Code	Remaining to harvest area	ac	ha	arp
3. Fall Rye	212	<input type="text"/>	1	2	3
4. Winter Wheat (see Quebec 1)	206	<input type="text"/>	1	2	3

(IF QUEBEC RESPONDENT AND CROP = WINTER WHEAT, GO TO QUEBEC SECTION BELOW, ELSE GO TO SECTION B.)

QUEBEC

Quebec respondents only

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

Code	%
097	<input type="text"/>

(GO TO THE NEXT CROP. IF LAST CROP, GO TO SECTION B.)

SECTION B SEEDED AREAS

Did you or will you seed any crops in 2001?

YES

NO (GO TO SECTION C.)

Which crop(s) did you or will you seed in 2001?

- | | |
|--|--|
| <input type="text"/> Barley | <input type="text"/> Mixed Grains |
| <input type="text"/> Dry Coloured Beans | <input type="text"/> Oats |
| <input type="text"/> Dry White Beans - Narrow Rows | <input type="text"/> Potatoes |
| <input type="text"/> Dry White Beans - Standard Rows | <input type="text"/> Spring Rye |
| <input type="text"/> Buckwheat | <input type="text"/> Soybeans |
| <input type="text"/> Canola or Rapeseed | <input type="text"/> Spring Wheat |
| <input type="text"/> Corn for Grain | <input type="text"/> Tobacco |
| <input type="text"/> Fodder Corn | <input type="text"/> Other Field Crops |

(GO TO THE NEXT QUESTION.)

What is or will be your seeded area in 2001?

	Code	Seeded area	UOM		
			ac	ha	arp
1. Barley	209		1	2	3
2. Dry Coloured Beans	236		1	2	3
3. Dry White Beans - Narrow Rows (8-26 inches wide)	242		1	2	3
4. Dry White Beans - Standard Rows (27-30 inches wide)	205		1	2	3
5. Buckwheat	226		1	2	3
6. Canola or Rapeseed	215		1	2	3
7. Corn for Grain (include seed corn and exclude sweet corn)	216	(Copy # of acres/hectares/arpents on the next page, in Question 19, and then ask the question to the respondent.)	1	2	3
8. Fodder Corn	217		1	2	3
9. Mixed Grains (two or more grains sown together)	213		1	2	3
10. Oats	208		1	2	3
11. Potatoes	218		1	2	3
12. Spring Rye	210		1	2	3
13. Soybeans	228	(Copy # of acres/hectares/arpents on the next page, in Question 20, and then ask the question to the respondent.)	1	2	3
14. Spring Wheat (see Quebec 1)	203		1	2	3
15. Tobacco	227		1	2	3
16. Other Field Crops (list in comments)	225		1	2	3
17. Total seeded area (sum of B1 to B16)			1	2	3

18. Of the total area to be seeded to field crops this spring, what percentage have you seeded at this time?
(GO TO SECTION C.)

Code	%
100	

QUEBEC

Quebec respondents only

Code	%
603	

1. What percentage of your Spring Wheat area is intended for human consumption?

(GO TO THE NEXT CROP. IF LAST CROP, GO TO QUESTION B18.)

Section B (cont'd) Corn for grain or Soybeans

Definitions:

Transgenic: A plant or animal containing one or more new genes introduced by genetic engineering.

Terminator gene: A gene that renders seeds sterile.

Genetically modified seed: A seed whose genetic information has been recently altered by genetic engineering or mutagenesis.

Genetic engineering: A technique involving the transfer of specific genetic information from one organism to another.

Mutagenesis: A process by which the genetic information of an organism is changed in a stable, heritable manner, via the use of chemicals or radiation.

Biotechnology: The application of science and engineering in the use of living organisms.

Other terms used for genetically modified seed:

Soybeans: Roundup ready

Corn for grain: Liberty Link Roundup Ready HTH
BT corn(YieldGard, KnockOut, NatureGuard, Xtra and StarLink)

19. Of your {# of acres/hectares/arpents reported on previous page} _____ of corn for grain, how many are planted or will be planted with genetically modified seed? (Exclude varieties produced by traditional cross-breeding techniques.)

Code	Area seeded with genetically modified seed	UOM		
		ac	ha	arp
260		1	2	3

(GO TO NEXT CROP, ON PREVIOUS PAGE. IF LAST CROP, GO TO SECTION C.)

20. Of your {# of acres/hectares/arpents reported on previous page} _____ of soybeans, how many are planted or will be planted with genetically modified seed? (Exclude varieties produced by traditional cross-breeding techniques.)

Code	Area seeded with genetically modified seed	UOM		
		ac	ha	arp
261		1	2	3

(GO TO NEXT CROP, ON PREVIOUS PAGE. IF LAST CROP, GO TO SECTION C.)

SECTION C TAME HAY OR FORAGE SEED

- **Alfalfa and Alfalfa mixtures**

Include: Alfalfa and alfalfa mixed with varieties of clover, trefoil, bromegrass, timothy, orchard grass, canarygrass, ryegrass, fescue, sudan-sorghum and wheatgrass.

Exclude: All forage crop area to be harvested for commercial seed purposes and crops that will be harvested green to be used to feed animals.

- **Other Tame Hay**

Include: Varieties of clover, trefoil, bromegrass, timothy, orchard grass, canarygrass, ryegrass, fescue, sudan-sorghum and wheatgrass.

Exclude: Alfalfa and Alfalfa mixtures, all forage crop area to be harvested for commercial seed purposes and crops that will be harvested green to be used to feed animals.

- **Forage Seed**

Include: All forage crop area harvested or to be harvested for seed purposes such as: alfalfa and alfalfa mixtures, varieties of clover, trefoil, bromegrass, timothy, orchard grass, canarygrass, ryegrass, fescue, sudan-sorghum and wheatgrass.

Exclude: Forage crops to be harvested for hay or used for pasture.

Will you have any Tame Hay or Forage Seed in 2001?

YES NO (GO TO SECTION D.)

Which crop(s) will you have?

Alfalfa and Alfalfa mixtures Other Tame Hay Forage Seed

(GO TO THE FIRST QUESTION, IF ALFALFA AND ALFALFA MIXTURES WAS CHOSEN. GO TO THE SECOND QUESTION, IF OTHER TAME HAY WAS CHOSEN. GO TO THE THIRD QUESTION, IF FORAGE SEED WAS CHOSEN.)

TAME HAY

1. What will be your total area of Alfalfa and Alfalfa mixtures in 2001? (exclude under-seeded areas)

Crop	Code	Total area	UOM		
Alfalfa and Alfalfa mixtures	249		ac	ha	arp

2. What will be your total area of all Other Tame Hay in 2001?

Crop	Code	Total area	UOM		
Other Tame Hay	256		ac	ha	arp

FORAGE SEED

3. What will be your total area of Forage Seed in 2001?

Crop	Code	Total area	UOM		
Forage Seed	247		ac	ha	arp

4. Total Tame hay or Forage Seed areas (sum of C1 to C3)

ac ha arp

(GO TO SECTION D.)

SECTION D LAND BALANCE

- **Improved land for pasture or grazing:**

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

Do not include: - areas to be harvested as dry hay, silage or forage seed.

- community pastures, co-operative grazing associations and 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 or grazing:**

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

Do not include: - community pastures, co-operative grazing associations, grazing reserves

- **Other land:**

- area of "farmstead" (farm buildings, farmyard, home garden and roads)

- improved idle land (land which was improved at one time but which will not be pastured, cropped or used for agricultural purposes in 2001)

- new broken land (land which has been cleared and prepared for cultivation but will not be cropped)

- winterkilled land which will not be reseeded or pastured to another crop

- wasteland, woodland, cut-over land, slough, swamp, marshland and irrigation ditches, summerfallowed land

- fruits and vegetables, mushrooms, maple trees, Christmas trees and sod.

What is your total area of {Improved Land for Pasture or Grazing/Unimproved Land for Pasture or Grazing/Other Land} in 2001 ?

Crops	Code	Total area	UOM		
1. Improved Land for Pasture or Grazing	222		ac	ha	arp
2. Unimproved Land for Pasture or Grazing	237		ac	ha	arp
3. Other Land	241		ac	ha	arp
4. Total Land Balance (sum of D1 to D3)			ac	ha	arp

(GO TO SECTION E.)

SECTION E TOTAL FARM AREA

What will be your Total Farm Area Operated in 2001?

Crops	Code	Total area	UOM		
1. Total Farm Area			ac	ha	arp
2. Sum of sections A3 + A4 + B17 + C4 + D4	201		ac	ha	arp
3. Difference between E1 and E2 (E1 - E2)					
If the difference is substantial, please explain in comments.			ac	ha	arp

(GO TO SECTION F.)



July Livestock Survey, 2001

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
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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.

SECTION A. When answering the questions, please include as of July 1, 2001 ...

... 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, 2001 do you expect to have/did you have any cattle or calves on this operation? Including 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

INVENTORY QUESTIONS

- 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)

Total Number at July 1, 2001
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

QUESTIONS ON PRODUCTION

- 10. (On this operation) How many calves were born alive in the last 6 months (between January 1 and June 30, 2001)?
- 11. (On this operation) How many cows and heifers are expected to calve between July 1 and December 31, 2001?

421 None <input type="checkbox"/>
424 None <input type="checkbox"/>

SECTION C. PIGS

OFFICE USE ONLY

600

9

1. At July 1, 2001 do you expect to have/did you have any pigs (on this operation)?

Yes

No

1. (a) Were there any pigs (on this operation) during the past three months (April, May and June 2001)?

Yes (Answer Questions 7, 8 and 9)

No (Go to Section D)

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

Yes

No

INVENTORY QUESTIONS

- 3. **BOARS**, 6 months and over
- 4. **SOWS**, for breeding and bred gilts
 - a) Under 45 pounds (-20 kg)
 - b) 45 to 130 pounds (20 to 60 kg)
 - c) Over 130 pounds (60+ kg)
- 5. **ALL OTHER PIGS**
- 6. **TOTAL PIGS** (sum of questions 3 to 5)

Total Number at July 1, 2001	
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	

QUESTIONS ON PRODUCTION

- 7. (On this operation) How many sows and bred gilts farrowed during April, May and June 2001?
- 8. How many pigs were born alive during the same period (April, May and June 2001)?
- 9. Of the (number) of pigs born alive, how many died or were destroyed before weaning during April, May and June 2001?
- 10. How many sows and bred gilts are expected to farrow during July, August and September 2001?
- 11. How many sows and bred gilts are expected to farrow during October, November and December 2001?

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, 2001 do you expect to have/did you have any sheep or lambs (on this operation)?
Including 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, 2001?

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
-----	--	---

INVENTORY QUESTIONS

- 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)

Total Number at July 1, 2001	
301	None <input type="checkbox"/>
302	None <input type="checkbox"/>
303	None <input type="checkbox"/>
304	None <input type="checkbox"/>
310	

QUESTIONS ON PRODUCTION

- 8. (On this operation) How many lambs were born in the last 6 months (between
January 1 and June 30, 2001)?
- 9. How many sheep and lambs died, including those killed by disease or
predators, between January 1 and June 30, 2001?
- 10. (On this operation) How many lambs do you expect to be born between July 1 and
December 31, 2001?

308	None <input type="checkbox"/>
307	None <input type="checkbox"/>
309	None <input type="checkbox"/>

SECTION E. OTHER LIVESTOCK

1. On July 1, 2001, do you expect to have other livestock on this operation (poultry, deer, buffalo, etc.)

Please specify other livestock type:

Inventory at July 1, 2001
Number

SECTION F. 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 **mid-March and the end of April** 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 2001**. 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.

Disponible en version française.

OFFICE USE ONLY L.A.O.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 5 as of **December 31, 2001**.

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?

2. What was the age of:

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

3. What is the highest level of formal education that the oldest and the youngest operator have completed?

	Oldest	Youngest
--	--------	----------

- | | | |
|--|---|---|
| a) Some elementary school or some secondary (high) school (include ungraded and special education) | <input style="width: 40px; text-align: center;" type="text" value="057"/> <input type="radio"/> 1 | <input style="width: 40px; text-align: center;" type="text" value="058"/> <input type="radio"/> 6 |
| b) Completed secondary (high) school (graduation certificate or equivalent) | <input type="radio"/> 2 | <input type="radio"/> 7 |
| c) Some post-secondary, including some college or university courses | <input type="radio"/> 3 | <input type="radio"/> 8 |
| d) Completed college or university certificate or diploma below bachelor level (e.g., trade, technical or vocational school, agricultural diploma, business college, community college, CEGEP) | <input type="radio"/> 4 | <input type="radio"/> 9 |
| e) Completed university degree program (include bachelor's degree and above) | <input type="radio"/> 5 | <input type="radio"/> 10 |

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

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

• Report family and hobby farms in 5 a) to 5 c).

a) Sole Proprietorship 3

For the Farm Financial Survey, **FAMILY** is defined as the operator, the operator's spouse and never married children residing in the same household.

b) Corporation (Ltd. Co.) 4 → What is your FAMILY's percent ownership of this operation? %

c) Partnership 5 → What is your FAMILY's percent ownership of this operation? %

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

e) Other (*please specify*) 7

SECTION B. LAND USE

• Round to the nearest whole number.

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

2. For the total land area of this operation, as of **December 31, 2001** (including all land such as cropland, woodland, improved and unimproved pasture, summerfallow, etc.) how much was:

Area of Total Land as of December 31, 2001
--

a) Owned
 • **Exclude** land rented or leased to others

121

b) Rented from others (with or without a written agreement)
 • **Include** governments and other sources

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, 2001**?

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 **2001**?
 • **Include** tame hay
 • **Exclude** summerfallow, improved and unimproved pasture, and woodland

194

b) What was the **total** area of **cropland** (reported in 6 a) 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, 2001**?
- **Include** all animals OWNED by this operation whether they are on your land or on land **not** owned by you.
 - **Exclude** animals on your land not owned by you.

170 YES 1 NO 3 (GO TO QUESTION 3 BELOW)

2. How many of the following did this operation own on **December 31, 2001**?

PART I. CATTLE

	Total Number on December 31, 2001
a) Bulls, 1 year and over	674
b) Cows mainly for dairy • Include dairy replacement heifers	172
c) Cows mainly for beef • Include beef replacement heifers	173
d) Steers and Heifers, 1 year and over for slaughter or feeding	174
e) Calves, under 1 year	175

PART II. PIGS

f) Boars, 6 months and over	675
g) Sows for breeding and bred gilts	179
h) All other pigs	176

PART III. SHEEP AND LAMBS

i) Sheep and lambs	182
--------------------------	-----

PART IV. POULTRY

j) Layers	188
k) Broilers	189
l) Other poultry (please specify) 080 _____	198

PART V. HORSES

m) Horses	187
-----------------	-----

PART VI. OTHER LIVESTOCK

n) Other livestock (please specify) 081 _____	184
--	-----

CUSTOM OR CONTRACT FEEDING

3. Did the operation custom or contract feed any livestock for others on **December 31, 2001**?

676 YES 1 NO 3 (GO TO SECTION D)

(please specify type(s) and number(s) of livestock custom or contract fed)

S676 _____	677
-------------------	-----

SECTION D. CAPITAL INVESTMENTS

- **Exclude** GST, HST, Quebec Sales Tax.
- Report to the nearest \$1,000.
- Report for the calendar year **2001**.

1. During **2001**, 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 **2001** for the following:

Capital Investments in 2001	
201	000
203	000
212	000
213	000
204	000
214	000
202	000
205	000
206	000

- a) Farm real estate purchased
- b) House construction or **major** renovation
- c) Manure storage construction or **major** renovation
- d) Pesticide, chemical or fuel storage construction or **major** renovation
- e) Other building construction or **major** renovation (e.g., barns, storage sheds, machine sheds, etc.)
- f) Environmental protection improvements: shelterbelts, windbreaks, buffer strips or fences for waterways protection
- g) Other land improvements: irrigation, orchard planting, draining, clearing of land, fences for purposes other than environmental protection
- h) Breeding and replacement livestock intended to be on the farm for more than 1 year
 - **Exclude** poultry
- i) Quota purchased separately from other assets
- j) Farm machinery and equipment

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

- | | |
|--|--|
| 71 Cars used in the farm business | 84 Other seeding equipment |
| 72 Trucks used in the farm business | 85 Cultivators and tillage equipment |
| 73 Other transportation equipment | 79 Hay mowers |
| 74 Processing equipment | 80 Harvesting machinery |
| 75 Computers and related equipment | 81 Balers |
| 76 Other office and communication equipment | 86 Manure spreader (for solid or liquid manure) |
| 77 Tractors of various types | 82 Other machinery and equipment |
| 83 Direct seeding equipment | |

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

k) Other farm assets purchased (e.g., stocks, bonds, GICs, mutual funds)

(please specify) **092** **217** 000

SECTION E. CAPITAL SALES

- **Exclude** GST, HST, Quebec Sales Tax.
- Report to the nearest \$1,000.
- Report for the calendar year **2001**.

1. During **2001**, 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 **2001** for:

- a) Land and buildings
- b) Farm machinery and equipment traded-in
 - **Include** cars and trucks used in the farm business
- c) Farm 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, GICs, mutual funds)

(please specify) **096**

Capital Sales in 2001	
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, 2001**?
- Report at current market value.
 - Report to the nearest \$1,000.

LIVESTOCK ASSETS

- a) Market livestock
 • **Include** heifers for slaughter or feeding, steers, calves, pigs, slaughter lambs, all poultry, goats for meat, culls and other market livestock
 • **Exclude** boars, sows and contract livestock
 • 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 (e.g., cows, sows, ewes, horses for PMU, honey bees, ostriches, race and riding horses, etc.)

Value of Assets on December 31, 2001	
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.

(please specify) **094** _____

305	000
306	000
661	000
658	000
659	000
094	000

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, movable irrigation equipment, small tools, computers and office equipment, etc.
- i) Quota (market value, if not valued in farmland and buildings)
- j) Long-term investments of this operation (one year or more) (e.g., bonds, shares, long-term GICs, cooperative shares, etc.)
- k) Other long-term farm assets (e.g., off-farm site warehouses, grain condominiums and other buildings owned by this operation, etc.)

(please specify) **084** _____

301	000
317	000
304	000
673	000
663	000
084	000

SECTION G. LIABILITIES OUTSTANDING AND CAPITAL BORROWED

• Report to the nearest \$1,000.

1. Did this operation owe any money on **December 31, 2001** or borrow any money in **2001**?

- Report for this operation only.
- **Include** money borrowed from family.
- **Include** participation in the Advance Payments Program or the Spring Credit Advance Program.

700

YES 1

NO 3 (GO TO SECTION H)

2. On **December 31, 2001** what was the amount of money owed to:

a) Chartered banks, trust companies, treasury branches

b) Credit unions, caisses populaires

c) the Farm Credit Corporation (federal agency)

d) the Advance Payments Program

e) Machinery and supply companies, feed companies

f) Private individuals, family members, shareholders

g) the provincial government

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

085

Total

	Liabilities on December 31, 2001				Capital Borrowed in 2001	
	Current/Short-term: original repayment period is less than 12 months (Include operating lines of credit)		Long-term: original repayment period is 12 months or more		For long-term loans, how much was borrowed in 2001? (repayment period of 12 months or more)	
a) Chartered banks, trust companies, treasury branches	410	000	480	000	580	000
b) Credit unions, caisses populaires	405	000	485	000	585	000
c) the Farm Credit Corporation (federal agency)	401	000	481	000	581	000
d) the Advance Payments Program	436	000				
e) Machinery and supply companies, feed companies	407	000	487	000	587	000
f) Private individuals, family members, shareholders	408	000	488	000	588	000
g) the provincial government	403	000	483	00	583	000
h) Others (e.g., accounts payable, meat packing plants, municipality, etc.) (please specify)	409	000	489	000	589	000
Total	441	000	491	000	590	000

3. Of all the long-term money borrowed in **2001** (Box 590 above), what amount was used to refinance previous loans?

543 000

4. If short-term money was borrowed in **2001** (intended to be repaid within a year), what was the highest amount owed at any time during the year?

- **Include** operating lines of credit

501 000

5. Did this operation participate in the Advance Payments Program in **2001**?

- **Include** Spring Credit Advance Program.

541

YES 1

NO 3

6. What was the total amount borrowed under the Advance Payments Program in **2001**?

542 000

SECTION H. RECEIPTS AND EXPENSES

- Report to the nearest \$1,000.

		Gross Farm Receipts in 2001	
1.	In 2001 , what were the total gross farm receipts of this operation, before expenses? • Include receipts from capital sales of breeding and replacement livestock (<i>Box 236 page 6, Section E</i>), direct program payments, agricultural custom work. • Exclude NISA withdrawals (<i>to be reported on page 11, Section I, question 2</i>), the value of inventory adjustments, the sale of land and buildings, the sale of machinery and equipment and the sale of quota	601	000
2.	Of the total gross farm receipts in 2001 (<i>Box 601 above</i>), how much was from:		
a)	Direct program payments • Include provincial crop insurance, tax rebates (e.g., fuel tax, property tax), dairy subsidies, farm income stabilization or income disaster assistance programs (e.g., Canadian Farm Income Program [CFIP], Agricultural Income Disaster Assistance [AIDA], B.C. Whole Farm Insurance Program [WFIP], Alberta Farm Income Disaster Program, Ontario Farm Income Disaster Program [OFIDP], Quebec's Assurance stabilisation du revenu agricole [ASRA], Ontario Market Revenue Program, etc.) • Exclude NISA withdrawals (<i>to be reported on page 11, Section I, question 2</i>), direct payments received for environmental services or improvements, such as government subsidies for the implementation of environmental farm plans (<i>to be reported in question 2 h</i>) below)	604	000
b)	Sale of grains, oilseeds and specialty crops • Include lentils, dry peas, dry beans, etc. • Include wheat board payments	623	000
c)	Sale of horticulture products • Include potatoes, fruits, vegetables, greenhouse products, nursery products, sod, mushrooms, etc.	624	000
d)	Sale of cattle • Include breeding and replacement livestock	625	000
e)	Sale of pigs • Include breeding and replacement livestock	626	000
f)	Sale of poultry • Include eggs	627	000
g)	Sale of milk, cream and other dairy products	628	000
h)	Payments received for environmental purposes, such as financial compensation from wildlife conservation groups, or government subsidies for the implementation of environmental farm plans • Include financial compensation for conservation of wildlife habitats, public access to wildlife habitats, prevention of water pollution, etc. • Exclude payments received for the purchase of land by wildlife habitat conservation organizations	630	000
i)	Other farm revenue (e.g., agricultural custom or contract work, sale of horses, sheep, mink, sugar beets, tobacco, maple products, forage seed, wood, Christmas trees, hay, etc.)	629	000

SECTION H. RECEIPTS AND EXPENSES (continued)

For the Farm Financial Survey, **FAMILY** is defined as the operator, the operator's spouse and never married children residing in the same household.

3. In **2001**, what were the total farm operating expenses?

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

Expenses in 2001	
606	000

4. Of the total farm operating expenses in **2001** (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 your FAMILY
- c) Wages and salaries paid to **ALL** operators and their FAMILIES
- **Include** the amount reported in Box 666 above

605	000
666	000
614	000

5. In **2001**, what was the total amount claimed for capital cost allowance (depreciation)?

Capital Cost Allowance	
615	000

6. Did this operation participate in the provincial crop insurance program in **2001**?

642 YES 1 NO 3 (GO TO SECTION I)

- a) What were the total provincial crop insurance premiums for the **2001** crop?
- b) What were the gross receipts, if any, from provincial crop insurance for the **2001** crop?

643	000
644	000

OFFICE USE ONLY	
ENTERPRISE CODE	008

COMMENTS: **100**

SECTION I. NISA

For the Farm Financial Survey, **FAMILY** is defined as the operator, the operator's spouse and never married children residing in the same household.

1. Has this FAMILY ever participated in the NISA program?

636 YES 1 NO 3 (GO TO SECTION J BELOW)

2. Has this FAMILY contributed to or withdrawn from NISA in 2001?

• Report to the nearest dollar.

633 YES 1 NO 3 (GO TO QUESTION 3 BELOW)

a) What were the FAMILY's total NISA contributions (FUND 1) in the 2001 calendar year?

- Exclude government contributions
- Report to the nearest dollar

TOTAL DOLLARS IN 2001	
634	.00
680	.00
681	.00

b) How much was withdrawn from FUND 1 NISA account(s) in the 2001 calendar year?

- Report to the nearest dollar

c) How much was withdrawn from FUND 2 NISA account(s) in the 2001 calendar year?

- Report to the nearest dollar

3. What was the ending balance of all NISA accounts for this FAMILY as of December 31, 2001

- Report to the nearest \$1,000.

Value of NISA Assets on December 31, 2001 Thousands of Dollars	
637	000
638	000

a) FUND 1 (non-taxable: producers' contributions)

- Report to the nearest \$1,000

b) FUND 2 (taxable: government contributions and interest)

- Report to the nearest \$1,000

SECTION J. INCOME FROM SOURCES OTHER THAN THIS OPERATION

- Report to the nearest \$1,000.

1. In 2001, what was this FAMILY's income from the following sources:

a) Wages and salaries (before deductions) from sources other than this operation

- Report gross wages and salaries

b) Interest, dividends (actually received) from sources other than this operation

c) Pensions

- Include CPP, QPP, Old Age Security, Registered Pension Plans (RPPs), RRSP withdrawals

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

Income not from this farm operation Thousands of Dollars	
668	000
669	000
670	000
672	000

NOTE TO RESPONDENT

This survey is being conducted jointly on behalf of Statistics Canada, Agriculture and Agri-Food Canada and Alberta Agriculture, Food and Rural Development. You will be asked the appropriate information sharing question(s) at the time of the telephone interview.

COMMENTS FROM INTERVIEWER/FARM OPERATOR: 090
