

2001

Version 1

REGION OF WATERLOO
STATISTICAL PROFILE:
AGRICULTURE

REGIONAL MUNICIPALITY OF WATERLOO
PLANNING, HOUSING AND COMMUNITY SERVICES DEPARTMENT
8TH FLOOR, 150 FREDERICK STREET,
KITCHENER, ONTARIO N2G 4J3

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INTRODUCTION

The data in the Agriculture Statistical Profile for Waterloo Region have been extracted from the "Agricultural Profile of Ontario" for 1986, 1991, 1996 and 2001. The data are obtained through the Census of Agriculture, conducted by Statistics Canada concurrently with the five-year Census of Population. The most recent data are from the 2001 Census of Agriculture which was conducted on May 15, 2001. The 2001 Agricultural Profile is Statistics Canada Catalogue no. 95F0304XCB. All 2001 data used in this publication are available free from Statistics Canada on the Internet at <http://www.statcan.ca/english/agcensus2001/release.htm>.

The Census of Agriculture produces a snapshot of Canadian agriculture by providing statistics at national, provincial and sub-provincial levels, on such topics as area of crops, head of livestock, number and value of farm machinery, farm operating expenses and receipts, purchases of capital assets, weeks of paid labour and land management practices. Most of the published data are available only at the national, provincial, or census division (county or regional municipality) geographies.

Every effort has been made to present the most commonly requested information in a format that is clear and concise. The information is reported for the Region as a whole except for a limited number of variables such as farm size, capital and receipts/expenses, which were reported in 1996 and 2001 by municipality. Statistics Canada can provide customized data from the Census, as well as agricultural data from other sources. This information can be purchased directly from Statistics Canada. For information regarding how to contact Statistics Canada and many other data sources, please see the section: "Further Sources of Information" at the end of this document. Comments regarding this publication should be directed to the Planning, Housing and Community Services Department, Regional Municipality of Waterloo.

NOTICE

Due care has been exercised in the extraction and presentation of the data contained in this document. However, the data is provided "as is" without warranty of any kind as to accuracy or completeness or fitness for a particular purpose.

DEFINITIONS

Understanding numbers requires an understanding of the definitions and caveats behind them. Brief explanations of some of the terms used in this document, as well as comments on data quality and background, can be found in the source website, "2001 Census of Agriculture":

<http://www.statcan.ca/english/agcensus2001/what.htm>

HISTORIC COMPARISONS

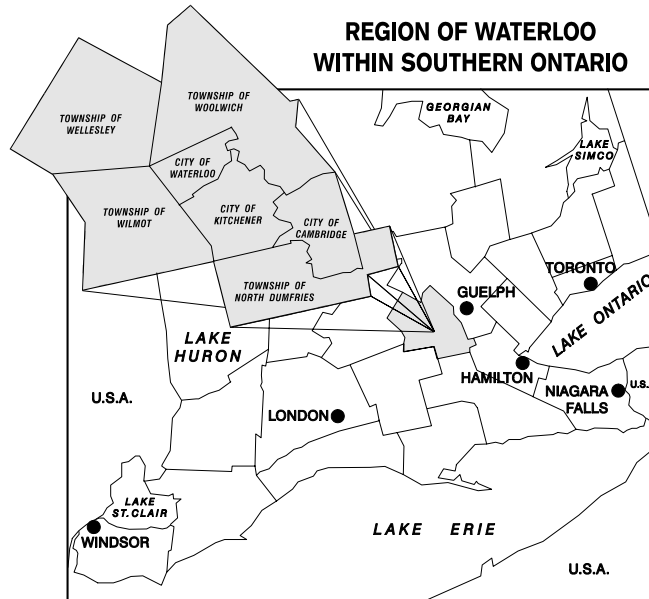
In some cases, definitions of variables were changed by Statistics Canada over the period 1986 to 1996. For example, the definition of a "census farm" was expanded for the 1996 Census. There were no changes to these definitions for 2001. Care should therefore be taken in making comparisons over time, and reference to the definitions in the source documents is recommended.

HEADQUARTERS RULE

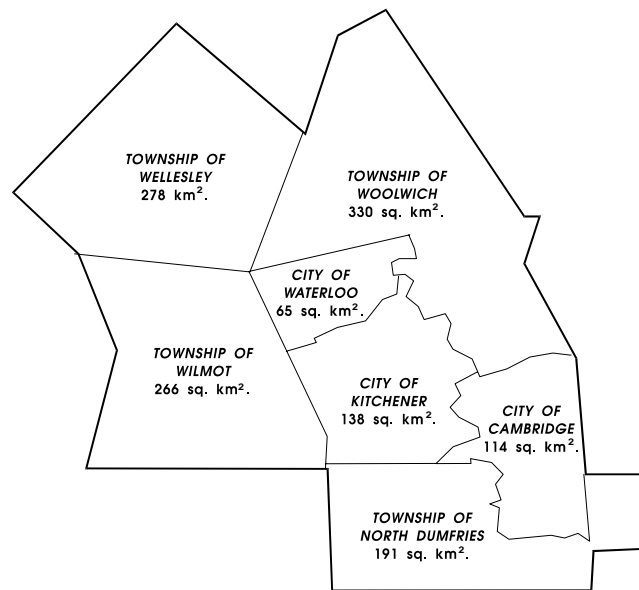
This rule assigns all data collected for an agricultural operation to the geographic area where the farm headquarters is located, regardless of the actual location of the parcels being farmed. With the continuing increase in the number of corporate farms in Waterloo Region, it should be noted that more of the data could include land outside of the Region.

GEOGRAPHICAL SETTING

The Regional Municipality of Waterloo is located in southwestern Ontario, one hour west of Toronto. It was created in 1973 from the County of Waterloo and a small section of the County of Wentworth. Fifteen former local governments were reorganized as seven Area Municipalities.



The total area of the Region of Waterloo is 1,382 km².

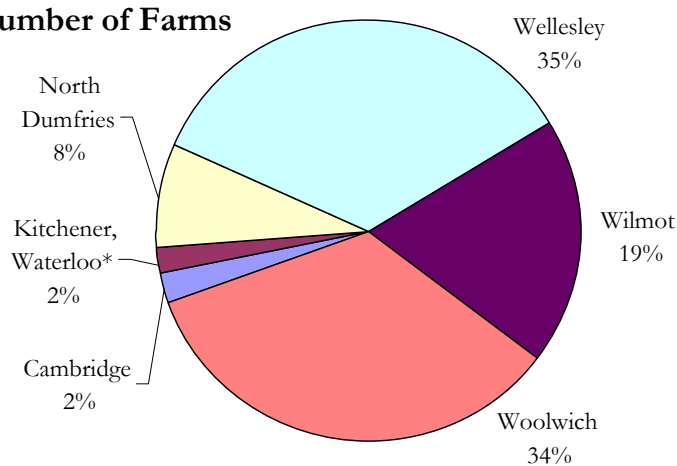


2001 FARM SUMMARY BY MUNICIPALITY

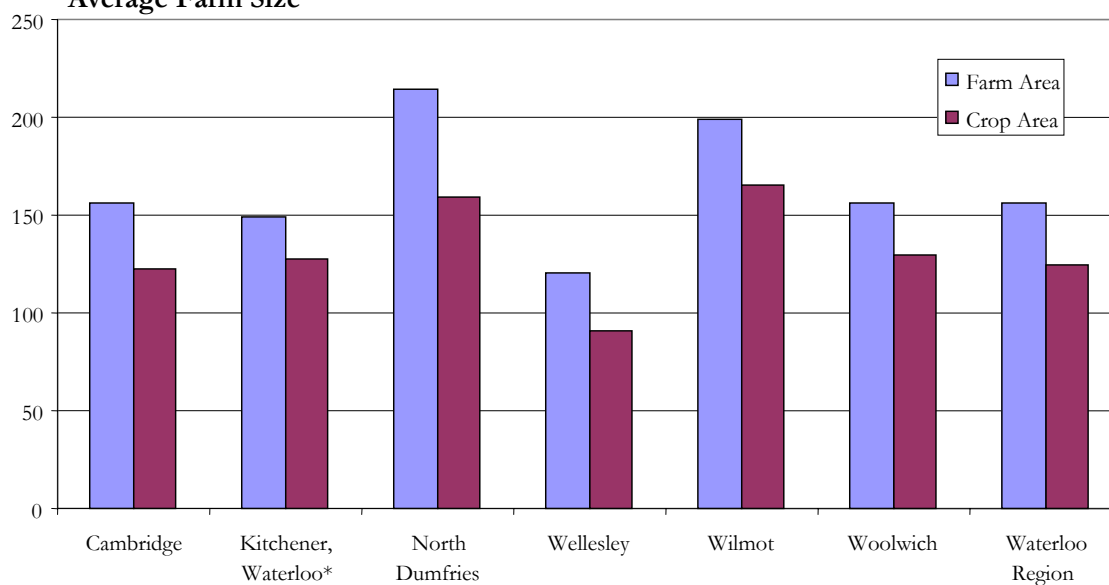
Acreage

	Farms	Total Area of Farms (acres)	In Crops (acres)
Cambridge	32	5,001	3,933
Kitchener, Waterloo*	29	4,329	3,693
North Dumfries	117	25,069	18,585
Wellesley	501	60,393	45,286
Wilmot	271	53,839	44,770
Woolwich	494	77,169	64,007
Waterloo Region	1,444	225,800	180,274

Number of Farms



Average Farm Size



* There are 9 farms in the City of Waterloo. Due to confidentiality constraints, the data from these farms are included with the city of Kitchener

SIZE OF FARMS

Land Area

Acres	1986	1991	1996	2001
Used For Farming	237,954	229,467	234,406	225,800
In Crops	189,113	175,517	182,881	180,274

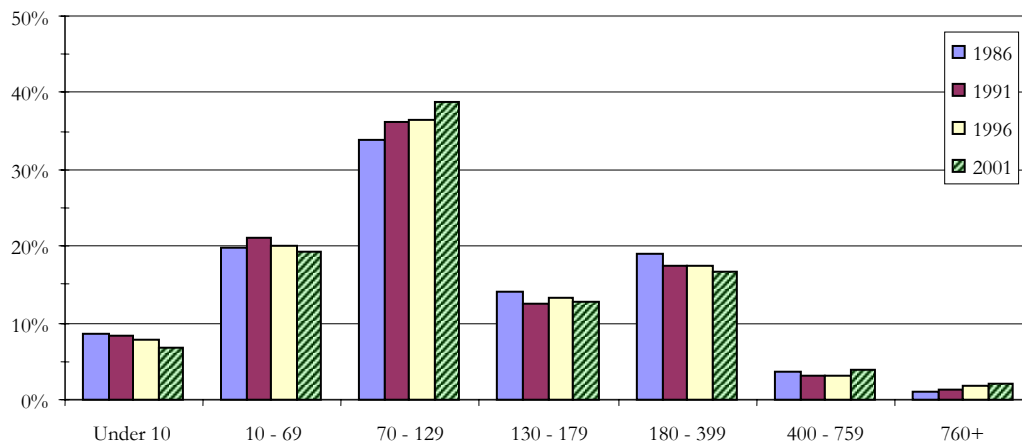
Number and Area of Farms

	1986 Farms	1986 Acres	1996 Farms	1996 Acres	2001 Farms	2001 Acres	Difference in Acres
Cambridge	48	10,336	42	5,816	32	5,001	-815
Kitchener	54	6,914	43	5,638	29	4,329	-1,309
North Dumfries	185	30,878	134	28,706	117	25,069	-3,637
Wellesley	503	62,634	522	61,867	501	60,393	-1,474
Wilmot	337	54,455	307	52,784	271	53,839	1,055
Woolwich	515	72,737	542	79,595	494	77,169	-2,426
Region	1,642	237,954	1,590	234,406	1,444	225,800	-8,606

Size of Farm

Acreage	1986		1991		1996		2001	
	Farms	Per cent	Farms	Per cent	Farms	Per cent	Farms	Per cent
Under 10	140	9%	134	8%	125	8%	96	7%
10 - 69	326	20%	340	21%	319	20%	278	19%
70 - 129	554	34%	587	36%	578	36%	561	39%
130 - 179	230	14%	201	12%	213	13%	183	13%
180 - 399	313	19%	283	17%	277	17%	241	17%
400 - 759	61	4%	51	3%	48	3%	56	4%
760+	18	1%	22	1%	30	2%	29	2%
Total	1,642	100%	1,618	100%	1,590	100%	1,444	100%

Distribution of Farm Size



FARM TYPES

Type of Farm

	1986		1991		1996		2001	
	Farms	Per cent	Farms	Per cent	Farms	Per cent	Farms	Per cent
Dairy	327	21.3%	269	17.8%	256	17.1%	296	21.4%
Beef	316	20.6%	351	23.2%	289	19.3%	289	20.9%
Swine	336	21.9%	295	19.5%	259	17.3%	226	16.4%
Cash Crop	187	12.2%	159	10.5%	176	11.8%	216	15.6%
Mixed	244	15.9%	327	21.6%	373	25.0%	215	15.6%
Poultry	65	4.2%	69	4.6%	88	5.9%	91	6.6%
Other	37	2.4%	13	0.9%	29	1.9%	26	1.9%
Fruit and Vegetable	21	1.4%	29	1.9%	24	1.6%	23	1.7%
Total	1,533	100%	1,512	100%	1,494	100%	1382	100.0%

Livestock Type

	1986		1991		1996		2001	
	Livestock	Farms	Livestock	Farms	Livestock	Farms	Livestock	Farms
Chickens	1,761,778	610	1,739,697	604	1,724,605	502	2,826,109	546
Turkeys	263,598	29	161,966	39	128,600	32	260,235	49
Cattle	85,312	1,156	88,646	1,086	89,122	1,055	98,443	955
Beef Cows	3,818	258	3,703	238	5,590	243	3,021	165
Dairy Cows	15,358	675	14,955	615	14,988	538	14,566	439
Market Heifers	17,854	763	9,415	240	16,474	623	17,995	552
Market Steers	30,838	612	31,774	533	32,041	554	38,102	657
Swine	230,449	789	226,772	708	206,565	592	156,612	406
Sheep	1,976	61	2,414	72	3,518	65	4,329	75
Horses	3,473	628	3,470	640	3,563	589	3,923	603
Goats	1,045	74	1,210	48	803	44	1,363	61
Rabbits	8,802	112	11,915	112	9,993	83	9,786	47
Bee Colonies	NA	NA	1,005	32	978	30	661	21
Mink	73,800	6	121,400	6	49,000	5	32,760	4

Crop Type

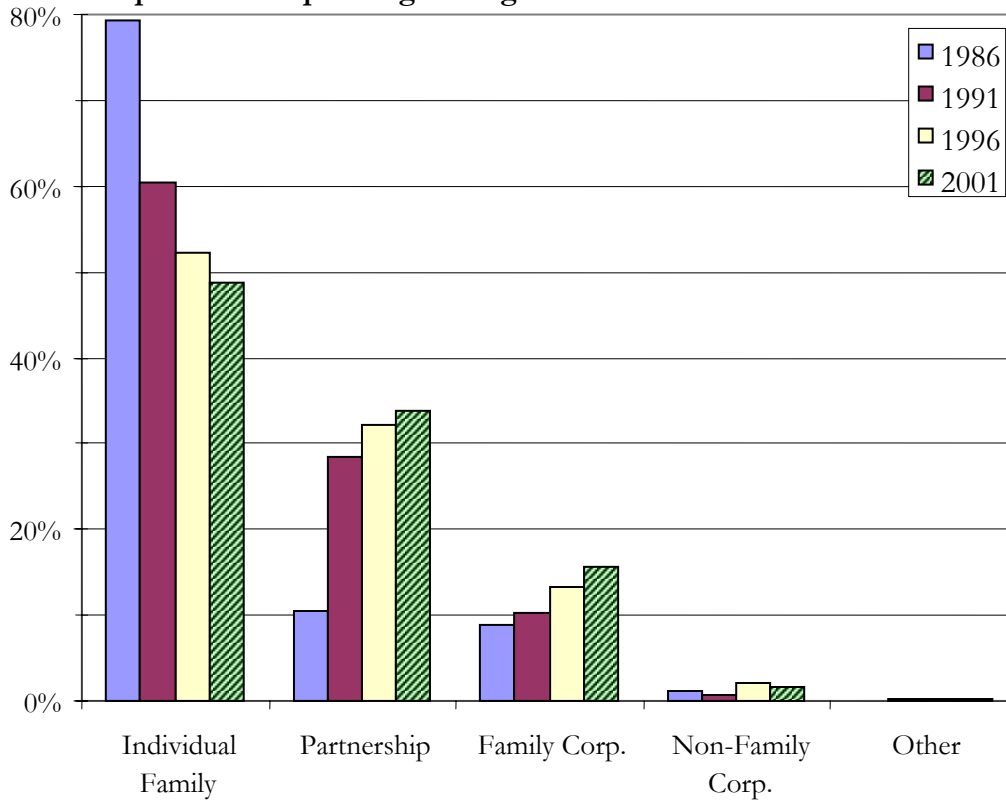
	1986		1991		1996		2001	
	Acreage	Farms	Acreage	Farms	Acreage	Farms	Acreage	Farms
Oats	3,158	150	2,155	120	1,224	68	1,411	55
Barley	10,770	344	11,320	352	6,688	254	5,999	234
Mixed Grain	29,550	835	24,425	736	19,028	652	15,381	556
Corn - for grain	53,755	704	49,834	662	50,192	711	46,751	638
- for silage	22,279	830	18,025	753	18,292	761	20,541	731
Soybeans	6,012	81	9,588	142	22,444	315	26,997	335
Field Beans	542	12	1,269	28	2,260	51	1,556	26
Alfalfa Hay	45,137	1,207	39,827	1,019	38,107	1,004	39,691	992
Other Tame Hay	NA	NA	6,113	253	5,525	209	4,399	163
Improved Pasture	10,969	586	11,529	509	11,487	593	9,344	487
Unimproved Pasture	8,685	475	10,234	506	10,409	497	8,402	488
Strawberries	147	33	156	32	142	30	103	23
Apples	246	207	286	183	323	175	170	88
Sweet Corn	247	51	399	70	431	61	233	44
Potatoes	612	47	523	82	434	57	360	36
Nursery Crops	142	18	244	29	216	37	150	16
Sod	0	0	187	4	NA	4	NA	3

OPERATING ARRANGEMENTS OF FARMS

Operating Arrangements

Farm Type	1986		1991		1996		2001	
	Farms	Per cent	Farms	Per cent	Farms	Per cent	Farms	Per cent
Individual Family	1,303	79.4%	977	60.4%	832	52.3%	704	48.8%
Partnership	174	10.6%	462	28.6%	513	32.3%	488	33.8%
Family Corp.	146	8.9%	165	10.2%	211	13.3%	225	15.6%
Non-Family Corp.	18	1.1%	10	0.6%	32	2.0%	24	1.7%
Other	1	0.1%	4	0.2%	2	0.1%	3	0.2%
Total	1,642	100%	1,618	100%	1,590	100%	1,444	100%

Comparison of Operating Arrangements: 1986-2001



FINANCIAL

Machinery and Equipment

Machinery/ Equip. Type	1986		1991		1996		2001	
	Number	Worth (\$M)	Number	Worth (\$M)	Number	Worth (\$M)	Number	Worth (\$M)
Tractors	3,947	30	3,933	36.8	3,872	46.4	3,814	58.1
Farm Trucks	1,245	6.9	1,255	9.1	1,188	12.6	1,063	13.3
Swathers and Mower-Conditioners	797	3	876	3	811	3.2	567	3.1
Combines	358	6.5	345	6.8	327	8.5	306	8.6
Balers	733	2.4	815	3.4	784	3.7	646	4
Computers		NA	136	NA	264	NA	406	NA

Note: In 1991, agricultural operators reported the farm machinery and equipment located on their operations on Census Day, regardless of ownership. For the 1996 and 2001 Census of Agriculture, operators were asked to report all farm machinery and equipment that they owned or leased. This change in reporting limits the comparability of these data.

Capital Value

	1986	1991	1996	2001
Land and Buildings (\$M)	477.8	974	902.6	1,105.5
Machinery & Equip. (\$M)	78	94.2	115.2	138
Livestock & Poultry (\$M)	86.3	99.2	96.5	143.4
Total (\$M)	642.1	1167.4	1114.3	1,386.6

Receipts and Expenses

	1986	1991	1996	2001
Gross Farm Receipts (\$M)	223.9	257.8	301.4	379.6
Total Expenses (\$M)	185.2	210.8	252.1	322.9

Net Income/ Farm 1986-2001

	1986	1991	1996	2001
Net Income (\$M)*	38.7	47	49.3	56.7
Farms	1,642	1,618	1,590	1,444
Acres (total)	237,954	229,467	234,406	225,800
Net Income/ Farm	\$ 23,569	\$ 29,048	\$ 31,006	\$ 39,266
Net Income/ Acre	\$ 163	\$ 205	\$ 210	\$ 251

* Net Income in this table equals Gross Farm Receipts minus Total Expenses

Capital, Receipts and Expenses Summary

	Total Farm Capital	Gross Farm Receipts	Total Expenses
Cambridge	\$ 39,028,689	\$ 13,542,914	\$ 12,392,497
Kitchener, Waterloo*	\$ 42,969,439	\$ 9,368,485	\$ 7,327,092
North Dumfries	\$ 165,754,341	\$ 47,765,239	\$ 41,834,174
Wellesley	\$ 348,493,409	\$ 92,972,525	\$ 80,408,733
Wilmot	\$ 330,004,333	\$ 98,410,670	\$ 83,106,130
Woolwich	\$ 460,594,830	\$ 117,541,828	\$ 97,821,747
Waterloo Region	\$ 1,386,845,041	\$ 379,601,661	\$ 322,890,373

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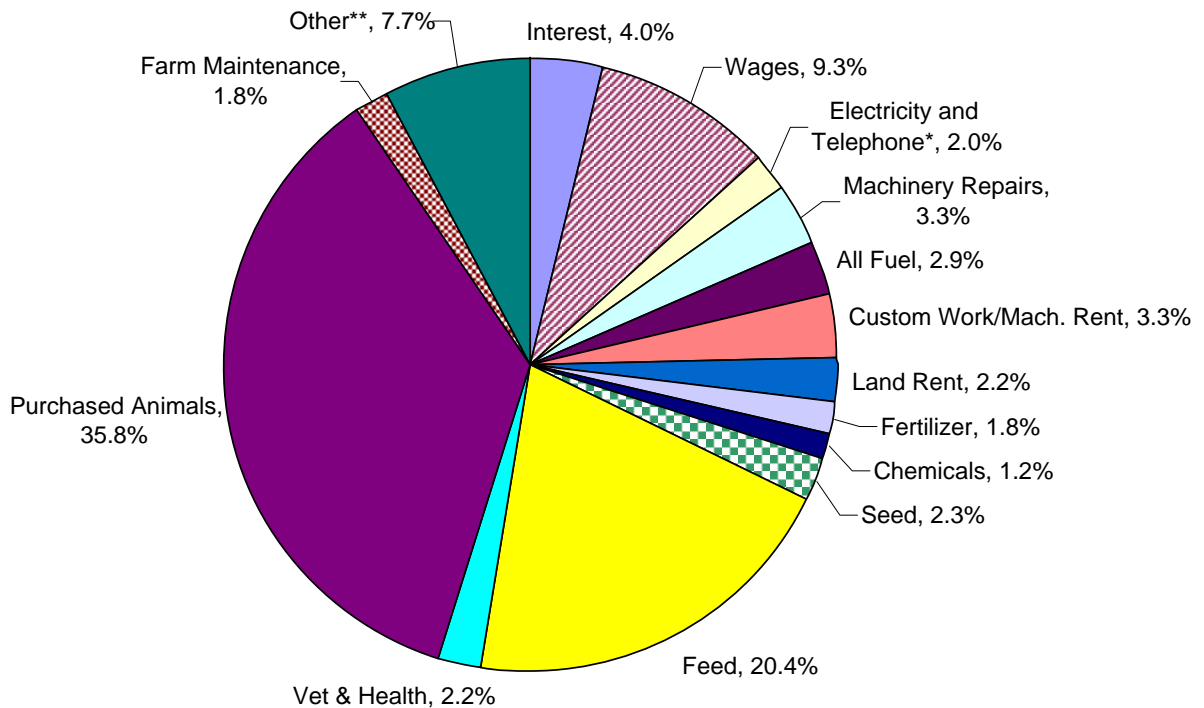
Type of Expense

	1986		1991		1996		2001	
	(\$M)	Per cent	(\$M)	Per cent	(\$M)	Per cent	(\$M)	Per cent
Interest	10.2	5.5%	12.9	6.1%	9.6	3.8%	13.0	4.0%
Wages	17	9.2%	14.8	7.0%	16.7	6.6%	30.1	9.3%
Electricity and Telephone*	2.3	1.2%	4.7	1.9%	5.1	1.7%	6.3	2.0%
Machinery Repairs	6.8	3.7%	8	3.8%	8.3	3.3%	10.5	3.3%
All Fuel	7.3	2.8%	5.8	2.1%	6.6	2.1%	9.3	2.9%
Custom Work/Mach. Rent	4.8	2.6%	5	2.4%	9.5	3.8%	10.7	3.3%
Land Rent	6.4	3.5%	4	1.9%	4.6	1.8%	7.1	2.2%
Fertilizer	5.5	3.0%	4.6	2.2%	6.1	2.4%	5.7	1.8%
Chemicals	2.6	1.4%	2.5	1.2%	3.3	1.3%	3.9	1.2%
Seed	3.5	1.9%	4.2	2.0%	5.2	2.1%	7.3	2.3%
Feed	48.6	26.3%	58.4	27.7%	68.7	27.3%	65.8	20.4%
Vet & Health	3.1	1.7%	3.9	1.9%	5.9	2.3%	7.2	2.2%
Purchased Animals	50.4	27.3%	63.1	29.9%	77.8	30.9%	115.5	35.8%
Farm Maintenance	NA	NA	NA	NA	4.4	1.8%	5.8	1.8%
Other**	16	8.7%	18.9	9.0%	19.6	6.5%	24.8	7.7%
Total	184.5	100.0%	210.8	100.0%	251.4	100.0%	323.0	100.0%

* includes all other telecommunications services in 1991, 1996 and 2001

** excluding depreciation and capital cost allowance

Type of Expense



LAND MANAGEMENT

Soil Conservation

Practice	1986	1991	1996	2001
	Farms	Farms	Farms	Farms
Used Crop Rotation	NA	1,036	1,186	1,143
Have Winter Crops	NA	320	113	178
Have Grassed Waterways	NA	307	295	275
Use Contour Cultivation	NA	92	132	73
Use Strip Cropping	NA	81	50	43
Have Permanent Grass	NA	NA	447	359
Have Planted Windbreaks	NA	179	173	140

Crop Maintenance

Use of:	1986		1991		1996		2001	
	Acres	Farms	Acres	Farms	Acres	Farms	Acres	Farms
Commercial Fertilizer	142,992	1,230	114,157	1,054	126,127	1,084	111,327	933
Herbicides	119,252	1,186	93,051	931	104,108	975	109,840	963
Insecticides or Fungicides	19,487	292	17,769	304	13,596	455	17,656	410
Irrigation	396	21	379	31	287	30	738	27

Tillage Practices Used to Prepare Land for Seeding

	1986		1991		1996		2001	
	Acres	Farms	Acres	Farms	Acres	Farms	Acres	Farms
Total Land Prepared	NA	NA	140,691	1,302	138,277	1,270	142,754	1,195
Conventional Tillage *	NA	NA	109,158	1,168	95,004	1,104	88,958	1,015
Conservation Tillage **	NA	NA	27,221	259	32,193	280	34,115	251
No Tillage	NA	NA	4,312	64	11,080	100	19,681	163

* Conventional: Tillage incorporating most crop residue into soil

** Conservation: Tillage retaining most crop residue on the surface

Organic Products (2001)

Produce Type	Farms
Fruits, vegetables or greenhouse products	5
Field crops (grains, oilseeds, etc.)	19
Animals or animal products (meat, milk, eggs, etc.)	5
Other (maple syrup, herbs, etc.)	1
Total	21

FURTHER SOURCES OF INFORMATION

REGIONAL MUNICIPALITY OF WATERLOO, PLANNING, HOUSING AND COMMUNITY SERVICES

Telephone: (519) 575-4533

Facsimile: (519) 575-4449

E-mail: planninginfo@region.waterloo.on.ca

Web Site: <http://www.region.waterloo.on.ca>

Address: 150 Frederick St., Kitchener, ON N2G 4J3

STATISTICS CANADA, ADVISORY SERVICES

Telephone: (800) 263-1136, (416) 973-6586

Facsimile: (416) 973-7475

E-mail: infostats@statcan.ca

Web Site: <http://www.statcan.ca>

Address: 10th Floor, 25 St. Clair Ave. East, Toronto, ON M4T 1M4

ONTARIO MINISTRY OF AGRICULTURE AND FOOD

Telephone: (888) 466-2372

Web Site: <http://www.gov.on.ca/omafra>

Address: 1 Stone Rd. W., Guelph, ON N1G 4Y2

AGRICULTURE AND AGRI-FOOD CANADA

Telephone: (613) 759-1000

E-mail: pirs@em.agr.ca

Web site: <http://www.agr.ca>

Address: 1 Communications Branch, 930 Carling Ave., Rm E102, Ottawa, Ontario K1A 0C7

ONTARIO FEDERATION OF AGRICULTURE

Telephone: (416) 485-3333

Facsimile: (416) 485-9027

E-mail: info@ofa.on.ca

Web Site: <http://www.ofa.on.ca>

REGIONAL LIBRARY

The Regional Library has branches serving 10 communities throughout the rural areas of the Region. Patrons may use the Internet free of charge.

Telephone: (519) 575-4589

E-mail: info@wrl.library.on.ca

Web site: <http://www.wrl.library.on.ca>

CAMBRIDGE, CITY OF, PLANNING DEPARTMENT

Telephone: (519) 740-4650 ext. 4608

Facsimile: (519) 622-6184

E-mail: info@city.cambridge.on.ca

Web Site: <http://www.city.cambridge.on.ca>

Address: 73 Water St., P. O. Box 669, Cambridge, ON N1R 5W8

CAMBRIDGE PUBLIC LIBRARY

Telephone: (519) 621-0460

Facsimile: (519) 621-2080

Web Site: <http://www.cambridgelibrary.galganov.net/>

Address: The Library & Gallery, 20 Grand Ave. N., Cambridge, ON N1S 2K6

KITCHENER, CITY OF, PLANNING DEPARTMENT

Telephone: (519) 741-2426
Facsimile: (519) 741-2775
E-mail: info@city.kitchener.on.ca
Web Site: <http://www.city.kitchener.on.ca>
Address: 6th Floor, City Hall, 200 King St. West, ON N2G 4G7

KITCHENER PUBLIC LIBRARY

Telephone: (519) 743-0271
Facsimile: (519) 743-1261
E-mail: mail@kpl.org
Web Site: <http://www.kpl.org>
Address: 85 Queen St. North, Kitchener, ON N2H 2H1

WATERLOO, CITY OF, PLANNING DEPARTMENT

Telephone: (519) 747-8752
Facsimile: (519) 747-8523
E-mail: info@city.waterloo.on.ca
Web Site: <http://www.city.waterloo.on.ca>
Address: 100 Regina South, Kitchener, ON N2J 4A8

WATERLOO PUBLIC LIBRARY

Telephone: (519) 886-1310
Facsimile: (519) 886-7936
Web Site: <http://www.wpl.ca/>
Address: 35 Albert St., Waterloo, ON N2L 5E2

NORTH DUMFRIES, TOWNSHIP OF,

Telephone: 621-0340
Facsimile: (519) 623-7641
E-mail: mail@township.northdumfries.on.ca
Web Site: <http://www.township.northdumfries.on.ca>
Address: RR#4, Cambridge, ON N1R 5S5

WILMOT, TOWNSHIP OF,

Telephone: (519) 634-8444
Facsimile: (519) 634-5044
E-mail: mail@township.wilmot.on.ca
Web Site: <http://www.township.wilmot.on.ca>
Address: 60 Schneider Ave. W., Baden, ON N0B 1G0

WELLESLEY, TOWNSHIP OF,

Telephone: (519) 699-4611
Facsimile: (519) 699-4540
E-mail: mail@township.wellesley.on.ca
Web Site: <http://www.township.wellesley.on.ca>
Address: RR#1, St. Clements, ON N0B 2M0

WOOLWICH, TOWNSHIP OF,

Telephone: (519) 669-1647
Facsimile: (519) 669-1820
E-mail: mail@township.woolwich.on.ca
Web Site: <http://www.township.woolwich.on.ca>
Address: Box 158, Elmira, ON N3B 2Z6