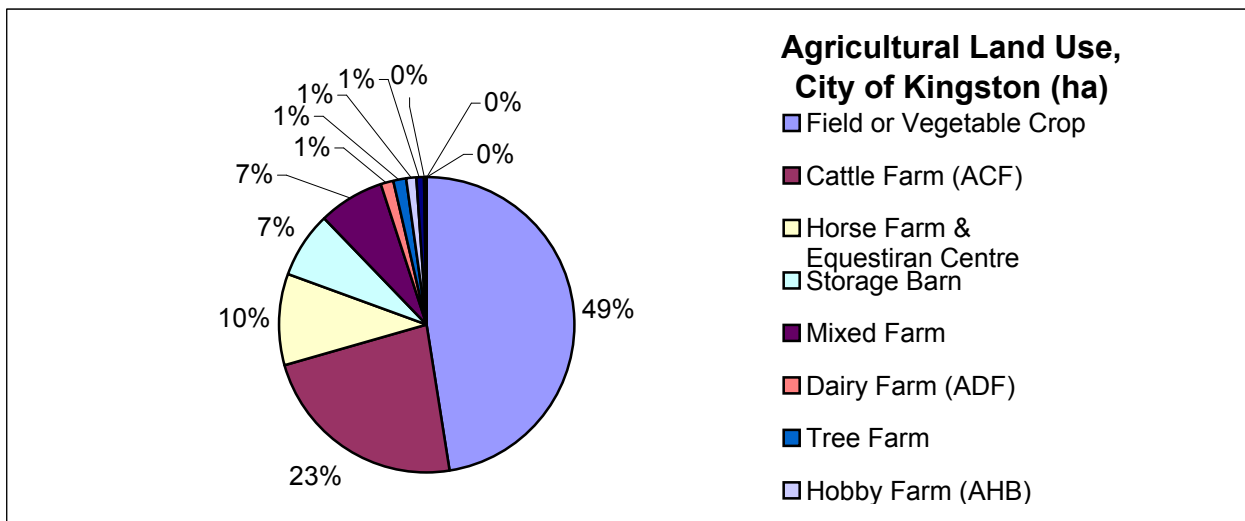


Table 1  
 Summary of Agricultural Land Use  
 Agricultural Study

Secondary Land Use	Area (ha)	%	Number of Properties	Average Property Size
Field or Vegetable Crop	9,076.9	47.5%	364	24.9
Cattle Farm (ACF)	4,404.0	23.1%	145	30.4
Horse Farm & Equestiran Centre	1,912.9	10.0%	73	26.2
Storage Barn	1,380.6	7.2%	50	27.6
Mixed Farm	1,363.7	7.1%	38	35.9
Dairy Farm (ADF)	266.0	1.4%	7	38.0
Tree Farm	248.9	1.3%	7	35.6
Hobby Farm (AHB)	212.5	1.1%	18	11.8
Specialty Husbandry	190.8	1.0%	9	21.2
Poultry Farm	20.3	0.1%	1	20.3
Nursery & Greenhouse	15.6	0.1%	5	3.1
Fruit Orchard (AFO)	5.6	0.0%	1	5.6
<b>TOTAL</b>	<b>19,097.9</b>	<b>100.0%</b>	<b>718</b>	<b>26.6</b>



**Table 2 Shift Share Analysis of Agricultural Trends in Livestock on Farm:**

Comparison of Agricultural Trends Between Kingston and Ontario	Kingston								
	1991			1996			2001	Difference 1991 - 2001	% Change 1991-2001
	Pittsburgh Twp	Kingston Twp	Total	Pittsburgh Twp	Kingston Twp	Total	City of Kingston		
Livestock on Farms (Number)									
Bulls	x	38	x	80	55	135	108	x	x
Dairy cows and Heifers	1,156	1,021	2,177	1,618	503	2,121	2,515	338	15.53%
Beef cows and Heifers	1,096	995	2,091	1,681	970	2,651	2,159	68	3.25%
Steers	x	64	x	211	130	341	395	x	x
Calves under one year	x	773	x	1,340	722	2,062	2,374	x	x
Total cattle and calves	7,154	2,932	10,086	6,107	3,033	9,140	7,673	-2,413	-23.92%
Total pigs	98	x	x	x	17	x	74	x	x
Sheep and lambs	554	301	855	699	384	1,083	942	87	10.18%
Horses	144	198	342	220	199	419	337	-5	-1.46%
Hens and chickens	383	14,541	14,924	x	x	x	x	x	x
Turkeys	86	128	214	25	x	x	x	x	x
<b>Total</b>	<b>10,671</b>	<b>20,991</b>	<b>30,689</b>	<b>11,981</b>	<b>6,013</b>	<b>17,952</b>	<b>16,577</b>	<b>-14,112</b>	<b>-45.98%</b>

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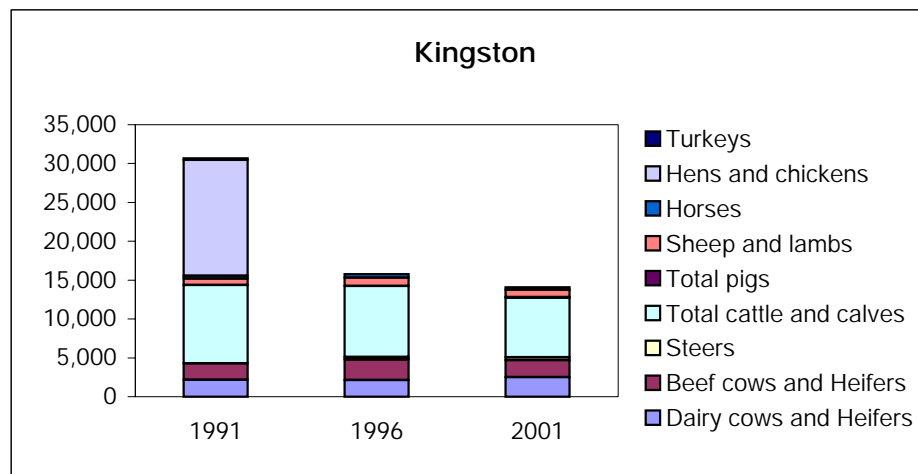
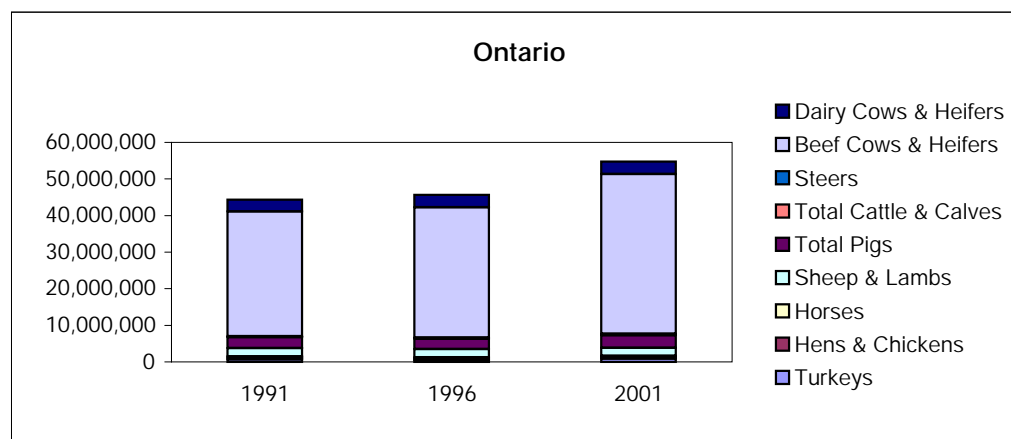


Table 2

Comparison of Agricultural Trends Between Kingston and Ontario	Ontario				Shift Share Analysis			Total Change
	1991	1996	2001	% Change	Provincial Growth	Agricultural Mix	Competitive Share	
Livestock on Farms (Number)								
Bulls	27,691	32,677	24,435	-11.76%	x	x	x	x
Dairy cows and Heifers	671,577	404,797	878,818	30.86%	501.57	170	-334	338
Beef cows and Heifers	476,314	441,211	457,943	-3.86%	481.76	-562	149	68
Steers	333,397	348,663	332,215	-0.35%	x	x	x	x
Calves under one year	578,129	607,871	595,191	2.95%	x	x	x	x
Total cattle and calves	2,285,954	2,285,996	2,140,731	-6.35%	2,323.77	-2,965	-1,772	-2,413
Total pigs	2,924,936	2,831,082	3,457,346	18.20%	x	x	x	x
Sheep and lambs	251,620	231,087	336,625	33.78%	196.99	92	-202	87
Horses	75,132	76,553	83,337	10.92%	78.80	-41	-42	-5
Hens and chickens	34,059,285	35,596,946	43,624,696	28.08%	3,438.43	753	x	x
Turkeys	3,288,508	3,447,259	3,402,697	3.47%	49.30	-42	x	x
<b>Total</b>	<b>44,972,543</b>	<b>46,304,142</b>	<b>55,334,034</b>	<b>23.04%</b>	<b>7,070.62</b>	<b>0</b>	<b>-21,183</b>	<b>-14,112</b>

x- information not available



**Table 3** Shift Share Analysis of Agricultural Trends in Improved Lands and Major Crop Areas

Comparison of Agricultural Trends Between Kingston and Ontario	Kingston								
	1991			1996			2001	Difference 1991- 2001	% Change 1991- 2001
	Pittsburgh Twp	Kingston Twp	Total	Pittsburgh Twp	Kingston Twp	Total	City of Kingston		
Use of Agricultural Land									
Improved Land (Acres)									
Under crops	13,220	8,510	21,730	13,225	7,898	21,123	22,282	552	2.54%
Pasture	1,964	1,407	3,371	3,260	865	4,125	2,800	-571	-16.94%
Summer fallow	341	147	488	x	156	x	81	-407	-83.40%
Other improved land	5,236	3,938	9,174	x	3,039	x	9,862	688	7.50%
<b>Total</b>	<b>20,761.00</b>	<b>14,002.00</b>	<b>34,763.00</b>	<b>x</b>	<b>11,958.00</b>	<b>x</b>	<b>35,025.00</b>	<b>262</b>	<b>0.75%</b>
Major Crop Areas (Acres)									
Total wheat	x	0	x	0	0	0	x	x	x
Oats	424	308	732	161	396	557	261	-471	-64.34%
Barley for grain	552	578	1,130	1,085	245	1,330	744	-386	-34.16%
Mixed grain	295	237	532	145	270	415	308	-224	-42.11%
Corn for grain	1,015	306	1,321	734	223	957	2,294	973	73.66%
Rye	0	0	0	0	0	0	0	0	x
Buckwheat	0	x	x	0	x	x	0	x	x
Soybeans	x	0	x	x	x	x	1,142	1,142	x
Canola	0	0	0	0	0	0	0	0	x
Flaxseed	0	0	0	0	0	0	0	0	x
Corn for Silage	2,020	319	2,339	196	250	446	1,148	-1,191	-50.92%
Hay	4,878	3,767	8,645	5,481	4,035	9,516	9,191	546	6.32%
Tobacco	0	0	0	0	0	0	0	0	x
Fruit	34	x	x	x	x	x	13	-13	x
Vegetables	214	12	226	18	x	x	36	-190	x
Nursery Products	x	x	x	x	10	x	x	x	x
Total	x	x	x	x	x	x	x	x	x
<b>Total</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>

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Table 3

Shift Share Analysis of Agricultural Trends in Improved Lands and Major Crop Areas

Trends in Improved Land Area and Major Crops

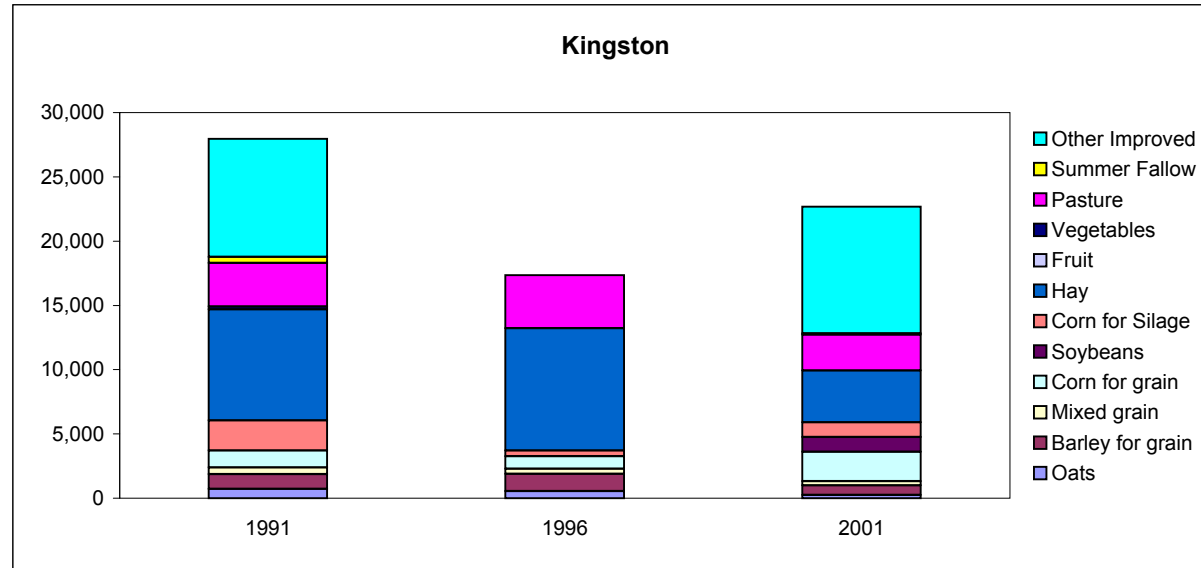


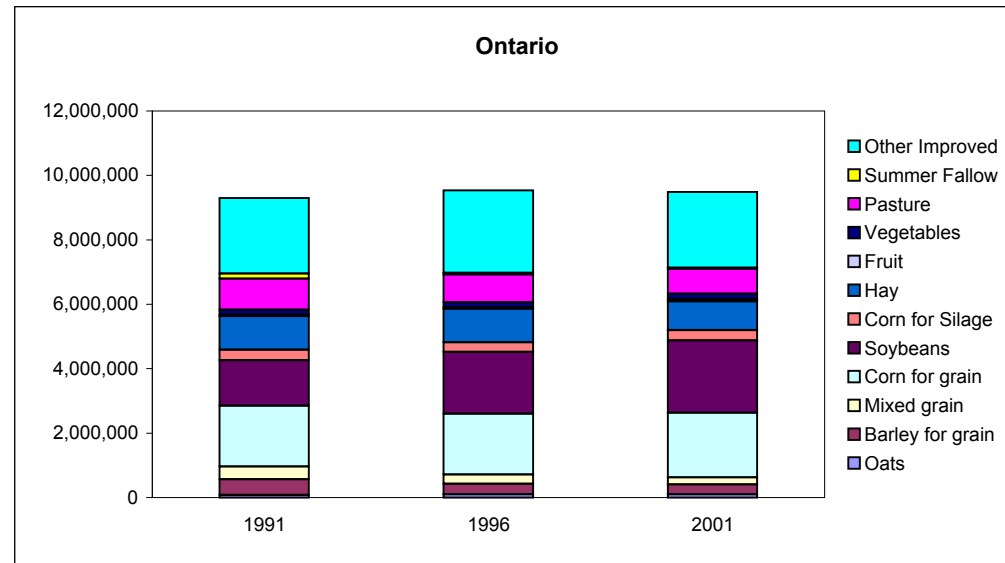
Table 3

Comparison of Agricultural Trends Between Kingston and Ontario	Ontario				Shift Share Analysis			Total Change
	1991	1996	2001	% Change	Provincial Growth	Agricultural Mix	Competitive Share	
Use of Agricultural Land								
Improved Land (Acres)								
Under crops	8,430,414	8,759,707	9,035,915	7.2%	960	600	-1,009	552
Pasture	964,235	860,786	773,650	-19.8%	149	-815	95	-571
Summer fallow	157,301	48,492	35,175	-77.6%	22	-400	x	-407
Other improved land	2,344,457	2,568,888	2,348,282	0.2%	405	-391	x	688
<b>Total</b>	11,896,407.00	12,237,873.00	12,193,022.00	2.5%	1,536.48	-1,005.96		262.00
Major Crop Areas (Acres)								
Total wheat	446,685	778,952	670,857	50.2%	x	x	x	x
Oats	75,431	98,357	101,670	34.8%	32	222	-726	-471
Barley for grain	486,774	332,821	308,728	-36.6%	50	-463	27	-386
Mixed grain	400,742	279,762	218,265	-45.5%	24	-266	18	-224
Corn for grain	1,891,687	1,895,650	2,003,025	5.9%				973
Rye	5,855	65,483	68,332	1067.1%	x	x	x	0
Buckwheat	7,361	6,808	5,941	-19.3%	x	x	x	x
Soybeans	1,409,063	1,918,055	2,248,466	59.6%	x	x	x	1,142
Canola	64,346	53,304	36,439	-43.4%	x	x	x	0
Flaxseed	2,140	1,582	1,983	-7.3%	x	x	x	0
Corn for Silage	326,985	296,029	319,364	-2.3%				-1,191
Hay	1,037,835	1,036,399	893,217	-13.9%	382	-1,587	1,751	546
Tobacco	66,563	68,194	58,333	-12.4%	x	x	x	0
Fruit	51,007	47,064	65,076	27.6%	x	x	x	13
Vegetables	154,493	158,471	170,147	10.1%	x	x	x	-190
Nursery Products	24,821	26,217	25,488	2.7%	x	x	x	x
Total	6,451,788	7,063,148	7,195,331	11.5%	x	x	x	x
<b>Total</b>	30,244,602	31,538,894	31,581,375	4.4%	x	x	x	x

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Table 3

Trends in Improved Land Area and Major Crops



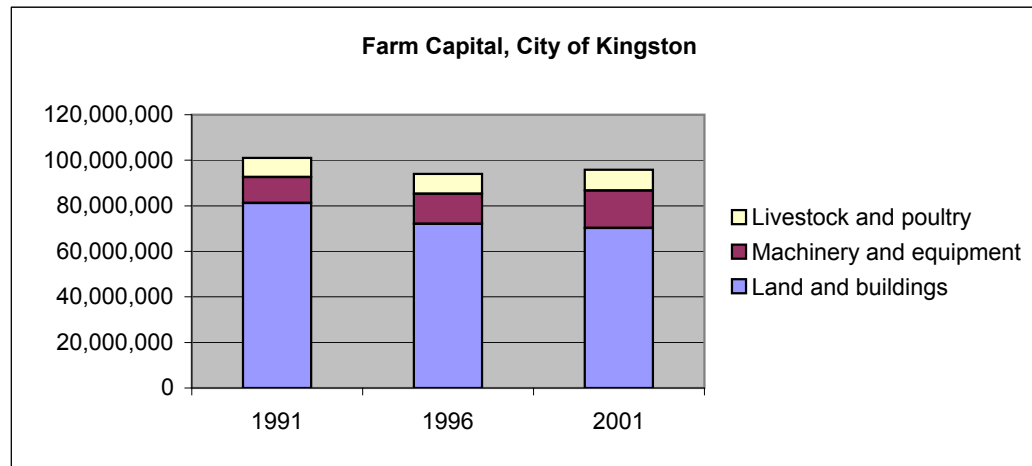
**Table 4: Farm Capital 1991, 1996 and 2001**

Year	Location	No. of Farms	Farm Capital Total (\$)	Land & Buildings (\$)	Machinery and Equipment (\$)	Livestock and Poultry (\$)
<b>1991</b>	Pittsburgh Township	114	55,805,613	42,661,400	7,483,581	5,660,632
	Kingston Township	102	45,255,250	38,604,500	3,919,121	2,731,629
	Total	216	101,060,863	81,265,900	11,402,702	8,392,261
	Leeds & Grenville	1,492	517,871,491	385,659,578	77,202,372	55,009,541
	Lennox & Addington	726	282,309,310	216,278,795	38,134,065	27,896,450
	Frontenac	733	298,871,767	237,538,600	35,102,791	26,230,376
<b>1996</b>	Pittsburgh Township	138	70,129,599	45,696,530	8,869,127	5,676,282
	Kingston Township	99	38,526,182	26,430,769	4,356,250	2,912,528
	Total	237	108,655,781	72,127,299	13,225,377	8,588,810
	Leeds & Grenville	1,493	576,931,481	436,107,865	88,625,170	52,198,446
	Lennox & Addington	753	308,901,488	234,953,496	45,234,165	28,713,827
	Frontenac	823	333,147,327	260,798,966	42,340,945	30,007,416
<b>2001</b>	City of Kingston	203	95,879,726	70,260,163	16,421,216	9,198,347
	% change from 2001	-6.02%	-5.13%	-13.54%	44.01%	9.61%
	Leeds & Grenville	1,348	622,035,653	389,766,886	108,065,780	62,529,737
	% change from 2001	-9.65%	20.11%	1.07%	39.98%	13.67%
	Lennox & Addington	629	308,527,006	219,932,184	55,178,461	33,416,361
	% change from 2001	-13.36%	9.29%	1.69%	44.70%	19.79%
	Frontenac	699	322,789,959	237,651,443	51,649,558	33,488,958
	% change from 2001	-4.64%	8.00%	0.05%	47.14%	27.67%

**Table 4a** Shift Share Analysis of Agricultural Trends in Farm Capital

Comparison of Agricultural Trends Between Kingston and Ontario	Kingston							
	1991			1996			2001	% Change
	Pittsburgh Twp	Kingston Twp	Total	Pittsburgh Twp	Kingston Twp	Total	City of Kingston	
Farm capital (\$)								
Total capital value	55,805,613	45,255,250	101,060,863	70,129,599	38,526,182	108,655,781	95,879,726	-5.13%
Land and buildings	42,661,400	38,604,500	81,265,900	45,696,530	26,430,769	72,127,299	70,260,163	-13.54%
Machinery and equipment	7,483,581	3,919,121	11,402,702	8,869,127	4,356,250	13,225,377	16,421,216	44.01%
Livestock and poultry	5,660,632	2,731,629	8,392,261	5,676,282	2,912,528	8,588,810	9,198,347	9.61%

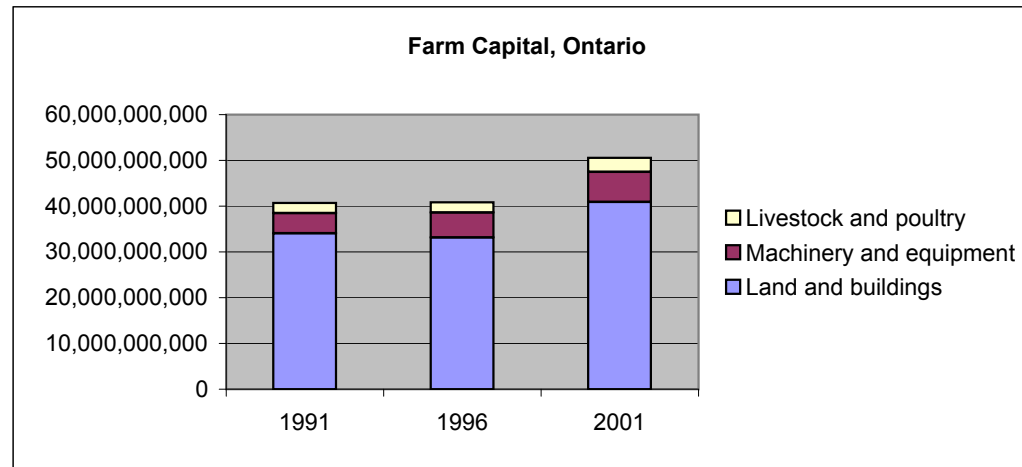
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**Table 4a**

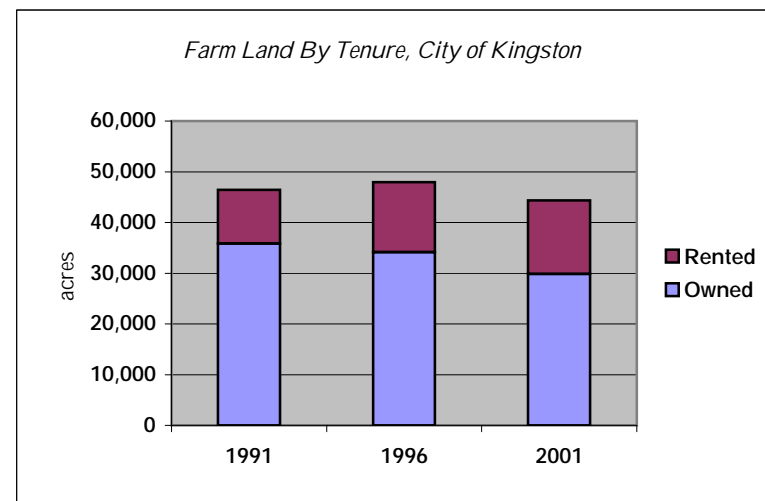
Comparison of Agricultural Trends Between Kingston and Ontario	Ontario				Shift Share Analysis			
	1991	1996	2001	% Change	Provincial Growth (\$)	Capital Mix (\$)	Competitive Share (\$)	Total Change (\$)
Farm capital (\$)								
Total capital value	40,702,680,717	40,860,936,035	50,529,783,505	24.14%	24,399,756		-29,580,893	<b>-5,181,137</b>
Land and buildings	34,040,541,909	33,167,842,178	40,898,278,324	20.15%	19,620,535	-3,248,876	-27,377,395	<b>-11,005,737</b>
Machinery and equipment	4,405,360,897	5,410,519,342	6,564,007,507	49.00%	2,753,026	2,834,349	-568,861	<b>5,018,514</b>
Livestock and poultry	2,256,777,911	2,282,574,515	3,067,497,674	35.92%	2,026,196	988,621	-2,208,731	<b>806,086</b>

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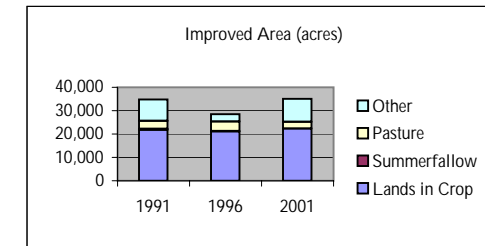
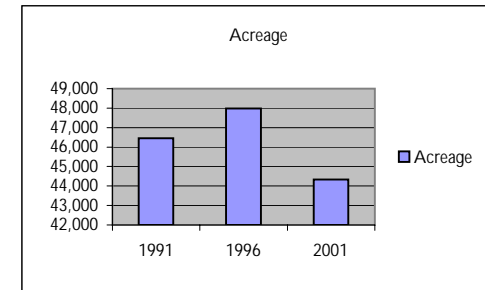
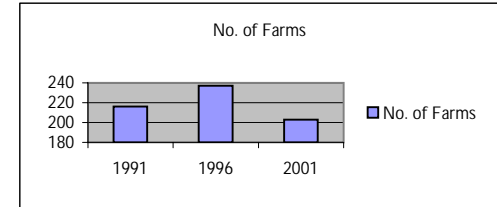
**Table 5: Farm Land Area Classified by Tenure, 1991, 1996 & 2001**

Year	Location	Total Acres	Acres Owned		Acres Rented	
			Number	Percent	Number	Percent
1991	Pittsburgh Township	27,187	20,012	73.61%	7,175	26.39%
	Kingston Township	19,266	15,800	82.01%	3,466	17.99%
	Total	46,453	35,812	77.09%	10,641	22.91%
	Leeds & Grenville	343,460	286,312	83.36%	57,148	16.64%
	Lennox & Addington	198,449	153,083	77.14%	45,366	22.86%
	Frontenac	203,967	157,645	77.29%	46,322	22.71%
	Ontario	13,470,653	9,887,990	73.40%	3,582,663	26.60%
1996	Pittsburgh Township	29,967	21,775	72.66%	8,192	27.34%
	Kingston Township	18,010	12,364	68.65%	5,646	31.35%
	Total	47,977	34,139	71.16%	13,838	28.84%
	Leeds & Grenville	342,440	277,346	80.99%	65,094	19.01%
	Lennox & Addington	209,434	157,323	75.12%	52,111	24.88%
	Frontenac	216,653	160,019	73.86%	56,634	26.14%
	Ontario	13,879,565	9,764,607	70.35%	4,114,958	29.65%
2001	City of Kingston	44,333	29,871	67.38%	14,462	32.62%
	Leeds & Grenville	336,650	263,413	78.25%	73,237	21.75%
	Lennox & Addington	197,441	142,777	72.31%	54,664	27.69%
	Frontenac	205,542	148,344	72.17%	57,198	27.83%
	Ontario	13,507,357	9,373,178	69.39%	4,134,179	30.61%



**Table 6: Farm Area and Use of Land 1991, 1996 & 2001**

Year	Location	Total			Improved Area (acres)				
		No. Farms	Acreage	Average Acreage/Farm	Land in Crops	Summerfallow	Pasture	Other	Total
1991	Pittsburgh Township	114	27,187	238	13,220	341	1,964	5,236	20,761
	Kingston Township	102	19,266	189	8,510	147	1,407	3,938	14,002
	Total	216	46,453	215	21,730	488	3,371	9,174	34,763
	Leeds & Grenville	1,492	343,460	230	140,215	3,775	27,645	39,794	211,429
	Lennox & Addington	726	198,449	273	84,178	2,878	13,751	15,824	116,631
	Frontenac	733	203,967	278	72,302	1,582	16,392	20,575	110,851
	1996	Pittsburgh Township	138	29,967	217	13,225	-	3,260	-
Kingston Township		99	18,010	182	7,898	156	865	3,039	11,958
Total		237	47,977	202	21,123	156	4,125	3,039	11,958
Leeds & Grenville		1,493	342,440	229	139,981	898	526	102,194	243,599
Lennox & Addington		753	209,434	278	86,989	1,225	244	51,712	140,170
Frontenac		823	216,653	263	75,800	287	226	56,122	132,435
2001	City of Kingston	203	44,333	218	22,282	81	2,800	9,862	35,025
	Leeds & Grenville	1,348	336,650	250	156,021	678	20,998	96,732	274,429
	Lennox & Addington	629	197,441	314	89,242	705	12,333	43,597	145,877
	Frontenac	699	205,542	294	77,995	237	14,241	55,428	147,901



x information not available  
 - no recorded data

**Table 7: Crops (Acres) 1991, 1996 & 2001**

Year	Total Wheat	Oats	Barley	Mixed Grains	Corn for Grain	Total Rye	Buckwheat	Canola/Rapeseed	Flaxseed	Soybeans	Sunflowers
1991											
Pittsburgh Township	x	424	552	295	1,015	0	0	0	0	x	0
Kingston Township	0	308	578	237	306	0	x	0	0	0	0
Total	x	732	1,130	532	1,321	0	x	0	0	x	0
Leeds & Grenville	1,419	4,113	8,041	3,588	18,518	71	509	x	-	1,733	x
Lennox & Addington	1,926	3,532	4,928	3,643	7,795	53	112	x	-	2,573	-
Frontenac	620	2,582	3,959	2,108	3,421	x	70	-	-	-	-
1996											
Pittsburgg Township	0	161	1,085	145	734	0	0	0	0	-	0
Kingston Township	0	396	245	270	223	0		0	0	-	0
Total	0	557	1,330	415	957	0	0	0	0	-	0
Leeds & Grenville	1,180	2,772	6,598	2,780	21,607	51	276	-	-	5,896	0
Lennox & Addington	3,861	1,491	4,857	2,530	7,850	94	166	-	0	4,572	13
Frontenac	166	1,271	3,571	1,904	2,200		108	0	-	535	0
2001											
City of Kingston	x	261	744	308	2,294	0	0	0	0	1,142	0
Leeds & Grenville	1,509	1,963	6,453	2,111	26,575	-	292	-	-	15,903	-
Lennox & Addington	3,421	1,388	4,252	1,843	9,717	0	34	-	0	9,847	0
Frontenac	431	1,081	2,915	1,444	4,165	-	33	0	0	3,418	0

*x information not available*

*- no recorded data*

**Table 8: Hay and Fodder Crops (Acres), 1991, 1996 & 2001**

Year	Corn for Silage	All Tame Hay Total Hay
1991		
Pittsburgh Township	2,020	4,878
Kingston Township	319	3,767
Total	2,339	8,645
Leeds & Grenville	8,721	55,104
Lennox & Addington	5,112	25,184
Frontenac	4,899	32,846
1996		
Pittsburgh Township	196	5,481
Kingston Township	250	4,035
Total	446	9,516
Leeds & Grenville	7,982	54,481
Lennox & Addington	4,412	29,244
Frontenac	4,624	38,016
2001		
City of Kingston	1,148	9,191
Leeds & Grenville	7,893	81,743
Lennox & Addington	3,489	25,630
Frontenac	3,751	35,622

**Table 9: Other Field Crops (Acres), 1991, 1996 & 2001**

Year	Area	Potatoes	Mustard Seed	Dry Field Peas	Tobacco	Dry Field Beans
1991	Pittsburgh Township	x	0	0	0	x
	Kingston Township	x	0	0	0	x
	Leeds & Grenville	42	-	-	-	71
	Lennox & Addington	154	-	-	-	x
	Frontenac	5	-	-	-	x
1996	Pittsburgh Township	-	0	0	0	0
	Kingston Township	-	0	0	0	-
	Leeds & Grenville	54	0	-	0	46
	Lennox & Addington	25	0	-	0	-
	Frontenac	-	0	0	0	-
2001	City of Kingston	x	0	0	0	0
	Leeds & Grenville	51	0	0	0	145
	Lennox & Addington	-	0	-	0	0
	Frontenac	40	0	-	0	-

*x information not available*

*- no recorded data*

Table 10: Vegetables, Sod & Nursery Products, (Acres) 1991, 1996 & 20

Year	Area	Vegetables	Sod	Nursery Products
1991	Pittsburgh Township	214	0	x
	Kingston Township	12	0	x
	Total	226	0	x
	Leeds & Grenville	522	x	269
	Lennox & Addington	504	-	36
	Frontenac	336	-	91
1996	Pittsburgh Township	18	0	-
	Kingston Township	-	0	10
	Total	18	0	10
	Leeds & Grenville	433	0	454
	Lennox & Addington	416	0	88
	Frontenac	279	0	148
2001	City of Kingston	36	x	x
	Leeds & Grenville	323	-	333
	% change from 1991	-38.12%	-	23.79%
	Lennox & Addington	125	0	123
	% change from 1991	-75.20%	-	241.67%
	Frontenac	195	-	65
	% change from 1991	-41.96%	-	-28.57%

*x information not available*

*- no recorded data*

**Table 11: Tree Fruits and Small Fruits, (Acres), 1991, 1996 & 2001**

Year	Location	Treefruits Total Area	Apple	Harvested Strawberries
<b>1991</b>	Pittsburgh Township	34	x	0
	Kingston Township	x	x	x
	Leeds & Grenville	307	271	59
	Lennox & Addington	175	157	82
	Frontenac	58	56	20
<b>1996</b>	Pittsburgh Township	-	-	0
	Kingston Township	-	-	-
	Leeds & Grenville	273	6684	54
	Lennox & Addington	128	121	56
	Frontenac	32	30	20
<b>2001</b>	City of Kingston	-	x	0
	Leeds & Grenville	-	305	56
	% change from 1991		12.55%	-5.08%
	Lennox & Addington	-	104	56
	% change from 1991		-33.76%	-31.71%
	Frontenac	-	13	19
	% change from 1991		-76.79%	-5.00%

*x information not available*

*- no recorded data*

**Table 12:** Poultry, 1991, 1996 & 2001

Year	Location	No. Farms Reporting	Total Hens & Chickens	No. Farms Reporting	Broilers, Roasters & Cornish	No. Farms Reporting	Pullets Under 19 Weeks, Intended for Laying	No. Farms Reporting	Laying Hens, 19 Weeks +	No. Farms Reporting	Laying Hens in Hatchery Supply Flocks
1991	Pittsburgh Township	13	383	-	-	4	54	11	170	0	0
	Kingston Township	21	14,541	-	-	7	135	16	x	0	0
	Total	34	14,924	-	-	11	189	27	x	-	-
	Leeds & Grenville	274	812,831	-	-	69	x	183	x	-	-
	Lennox & Addington	120	436,213	-	-	45	157,524	83	268,420	-	-
	Frontenac	126	19,762	-	-	34	x	99	15,611	-	-
1996	Pittsburgh Township	12	-	2	-	1	-	11	-	0	0
	Kingston Township	11	-	3	-	4	41	0	-	0	0
	Total	23	-	5	-	5	41	11	-	-	-
	Leeds & Grenville	193	866,640	71	-	31	-	160	-	0	0
	Lennox & Addington	99	432,513	36	25,826	21	123,428	80	283,259	0	0
	Frontenac	104	19,555	27	-	17	-	90	17,615	0	0
2001	City of Kingston	22	x	8	x	5	134	19	x	0	0
	Leeds & Grenville	183	1,064,076	70	-	23	-	150	-	0	0
	Lennox & Addington	79	492,877	31	-	15	-	66	-	0	0
	Frontenac	104	14,576	33	1,382	17	371	89	12,823	0	0

*x information not available*

*- no recorded data*

**Table 12:** Poultry, 1991, 1996 & 2001

Year	Location	No. Farms Reporting	Turkeys	No. Farms Reporting	Other Poultry
1991	Pittsburgh Township	4	86	10	160
	Kingston Township	5	128	6	44
	Total	9	214	16	204
	Leeds & Grenville	55	1,349	97	5,692
	Lennox & Addington	26	441	48	22,826
	Frontenac	23	425	43	1,616
1996	Pittsburgh Township	3	25	3	65
	Kingston Township	1	-	3	18
	Total	4	25	6	83
	Leeds & Grenville	52	902	92	-
	Lennox & Addington	24	583	35	-
	Frontenac	15	218	45	814
2001	City of Kingston	4	x	10	98
	Leeds & Grenville	40	1,044	75	1,521
	Lennox & Addington	15	391	21	-
	Frontenac	15	184	36	-

*x information not availat*

**Table 13: Cattle and Calves, 1991, 1996 & 2001**

Year	Location	Total Heifers, 1 Year +	No. Farms Reporting	Heifers for Beef Herd Replacement	No. Farms Reporting	Heifers for Dairy Herd Replacement	No. Farms Reporting	Heifers for Slaughter or Feeding	No. Farms Reporting
1991	Pittsburgh Township	x	29	217	29	x	8	x	16
	Kingston Township	692	36	263	17	388	10	41	23
	Total	x	65	480	46	x	18	x	39
	Leeds & Grenville	13,074	443	2,752	384	9,340	111	973	278
	Lennox & Addington	6,140	224	1,581	138	3,245	78	1,314	168
	Frontenac	8,068	258	1,897	161	3,395	68	2,776	143
1996	Pittsburgh Township	1,177	-	-	-	-	-	-	33
	Kingston Township	653	-	-	-	-	-	-	30
	Total	1,830	-	-	-	-	-	-	63
	Leeds & Grenville	11,498	-	-	-	-	-	-	392
	Lennox & Addington	4,589	-	-	-	-	-	-	208
	Frontenac	5,737	-	-	-	-	-	-	219
2001	City of Kingston	1,511	66	405	37	984	13	122	38
	% change from 1991	x	1.54%	-15.63%	-19.57%	x	-27.78%	x	-2.56%
	Leeds & Grenville	9,609	411	2,686	249	6,458	78	465	243
	% change from 1991	-26.50%	-7.22%	-2.40%	-35.16%	-30.86%	-29.73%	-52.21%	-12.59%
	Lennox & Addington	4,171	208	1,495	87	2,141	50	535	123
	% change from 1991	-32.07%	-7.14%	-5.44%	-36.96%	-34.02%	-35.90%	-59.28%	-26.79%
	Frontenac	4,516	265	1,529	115	2,582	43	405	118
	% change from 1991	-44.03%	2.71%	-19.40%	-28.57%	-23.95%	-36.76%	-85.41%	-17.48%

*x information not availat*

**Table 13: Cattle and Calves, 1991, 1996 & 2001**

Year	Location	Steers, 1 Year +	No. Farms Reporting	Calves, Under 1 Year
1991	Pittsburgh Township	x	65	x
	Kingston Township	64	61	773
	Total	x	126	x
	Leeds & Grenville	1,792	930	14,825
	Lennox & Addington	1,798	472	8,567
	Frontenac	1,275	492	7,450
1996	Pittsburgh Township	211	83	1,340
	Kingston Township	130	55	722
	Total	341	138	2,062
	Leeds & Grenville	2,811	886	15,091
	Lennox & Addington	2,832	466	8,368
	Frontenac	1,192	546	9,011
2001	City of Kingston	395	122	2,374
% change from 1991		x	-3.17%	x
	Leeds & Grenville	1,882	767	13,060
% change from 1991		5.02%	-17.53%	-11.91%
	Lennox & Addington	1,649	380	8,069
% change from 1991		-8.29%	-19.49%	-5.81%
	Frontenac	977	464	8,182
% change from 1991		-23.37%	-5.69%	9.83%

*x information not availat*

**Table 14: Pigs, 1991, 1996 & 2001**

Year	Location	No. Farms Reporting	Total Pigs	No. Farms Reporting	Boars	No. Farms Reporting	Sows & Gilts for Breeding	No. Farms Reporting	Nursing & Weaner Pigs	No. Farms Reporting	Grower & Finishing Pigs	No. Farms Reporting	All Other Pigs
1991	Pittsburgh Township	6	98	0	0	0	0	-	-	-	-	6	98
	Kingston Township	6	x	0	0	1	x	-	-	-	-	5	x
	Total	12	x	0	0	1	x	-	-	-	-	11	x
	Leeds & Grenville	126	26,869	49	172	69	2,844	-	-	-	-	108	23,853
	Lennox & Addington	63	16,361	22	109	29	1,497	-	-	-	-	58	14,755
	Frontenac	61	1,530	11	17	20	135	-	-	-	-	55	1,378
1996	Pittsburgh Township	3	-	2	-	2	-	-	-	-	-	3	-
	Kingston Township	3	17	0	0	1	-	-	-	-	-	3	-
	Total	6	17	2	-	3	-	-	-	-	-	6	-
	Leeds & Grenville	96	7,189	33	66	53	859	-	-	-	-	78	6,264
	Lennox & Addington	51	12,339	15	107	24	1,574	-	-	-	-	42	10,658
	Frontenac	41	626	12	12	18	86	-	-	-	-	30	528
2001	City of Kingston	8	74	4	9	4	8	3	36	5	21	-	-
	& change from 1991	-33.33%	x	-	-	300.00%	x	-	-	-	-	-	x
	Leeds & Grenville	63	7,438	20	38	35	2,652	22	2,170	42	2,578	-	-
	& change from 1991	-50.00%	-72.32%	-59.18%	-77.91%	-49.28%	-6.75%	-	-	-	-	-	-
	Lennox & Addington	23	-	9	141	13	-	10	-	13	-	-	-
	& change from 1991	-63.49%	-	-59.09%	29.36%	-55.17%	-	-	-	-	-	-	-
	Frontenac	29	251	11	19	15	-	8	-	14	-	-	-
	& change from 1991	-52.46%	-83.59%	0.00%	11.76%	-25.00%	-	-	-	-	-	-	-

x information not available

- no recorded data

**Table 15: Sheep, Lamb & Other Livestock, 1991, 1996 & 2001**

Year	Location	No. Farms Reporting	Sheep & Lambs	No. Farms Reporting	Horses & Ponies	No. Farms Reporting	Goats	No. Farms Reporting	Rabbits	No. Farms Reporting	Mink	No. Farms Reporting	Fox
1991	Pittsburgh Township	5	554	27	144	6	35	2	x	0	0	0	0
	Kingston Township	10	301	30	198	4	25	9	191	0	0	0	0
	Total	15	855	57	342	10	60	11	x	0	0	0	0
	Leeds & Grenville	116	5,462	358	1,849	78	754	47	458	2	x	-	-
	Lennox & Addington	46	4,682	145	651	21	182	25	751	-	-	-	-
	Frontenac	45	3,093	183	797	22	209	23	861	4	x	3	x
1996	Pittsburgh Township	7	699	33	220	3	7	0	0	0	0	0	0
	Kingston Township	6	384	26	199	4	-	5	31	0	0	0	0
	Total	13	1,083	59	419	7	7	5	31	0	0	0	0
	Leeds & Grenville	111	6,318	327	1,815	83	1,191	42	331	0	0	1	-
	Lennox & Addington	49	6,089	146	894	32	269	20	657	0	0	0	0
	Frontenac	56	3,487	183	981	37	618	20	161	3	-	4	208
2001	City of Kingston	14	942	47	337	5	39	4	66	0	0	0	0
	% change from 1991	-6.67%	10.18%	-17.54%	-1.46%	-50.00%	-35.00%	-63.64%	x	-	-	-	-
	Leeds & Grenville	128	9,603	329	1,956	69	740	19	1,103	0	0	0	0
	% change from 1991	10.34%	75.81%	-8.10%	5.79%	-11.54%	-1.86%	-59.57%	140.83%	0	x	-	-
	Lennox & Addington	43	7,230	143	980	28	306	5	683	0	0	0	0
	% change from 1991	-6.52%	54.42%	-1.38%	50.54%	33.33%	68.13%	-80.00%	-9.05%	-	-	-	-
	Frontenac	50	3,467	153	854	25	277	4	66	4	17,790	1	-
	% change from 1991	11.11%	12.09%	-16.39%	7.15%	13.64%	32.54%	-82.61%	-92.33%	0.00%	-	-66.67%	-

*x information not available*

*- no recorded data*

**Table 16**                      **Number of Agri-related Businesses in the Study Area**

County and Study Area	# in Original Inventory	# in 1st 198	Non-agri in 1st 198	% Non-agri	Number of Non-agri	# in Revised Inventory
Frontenac	189	46	12	26.10%	49	140
Lennox & Addington	310	60	17	28.30%	88	222
Leeds & Grenville	399	92	27	29.30%	117	282

**Table 17**                      **Agriculture and Non Agri-related Sales for Businesses Surveyed**

County and Study Area	# of Businesses Surveyed	Agri-related Sales	Sales Unrelated to Agriculture	Total Sales for Businesses Surveyed
Frontenac	56	22,254,225	\$50,162,775	\$72,417,000
Lennox & Addington	81	\$28,306,740	\$48,582,260	\$76,889,000
Leeds & Grenville	104	\$81,137,000	\$118,127,000	\$199,264,000
Study Area	241	\$131,697,965	\$216,872,035	\$348,570,000

**Table 18**                      **Estimated Total Gross Sales for all Agri-related Businesses in the Study Area Using Sale Multipliers**

County and Study Area	Total Sales for Businesses Surveyed	Sampling Multiplier	Total Estimated Sales for all Agri-related Businesses
Frontenac	\$72,417,000	2.5	\$181,042,500
Lennox & Addington	\$76,889,000	2.74	\$210,675,860
Leeds & Grenville	\$199,264,000	2.6	\$518,086,400
Study Area	\$348,570,000	2.67	\$930,681,900

**Table 19**                      **Estimated Agri-related Sales for all Agri-related Businesses in the Study Area Using Sale Multipliers**

County and Study Area	Total Agri-related Sales for Businesses	Sampling Multiplier	Total Estimated Agri-related Sales for all Agri-
Frontenac	\$22,254,225	2.5	\$55,635,562
Lennox & Addington	\$28,306,740	2.74	\$77,560,467
Leeds & Grenville	\$81,137,000	2.6	\$210,956,200
Study Area	\$131,697,965	2.67	\$351,633,567

**Table 20 Total Value of Agriculture Sales and Location of Sales for All Agri-related Businesses**

Sales for All Agri related Businesses in the Study Area (n=241)	Agri related Sales of Survey Sample	Sampling Multiplier	Agri related Sales for All Study Area Agri related Businesses
Sales in the Study Area	\$100,559,393	2.67	\$268,493,579
Sales in Other Ontario Counties	\$26,985,572	2.67	\$72,051,477
Sales Inside Canada (excluding Ontario)	\$937,500	2.67	\$2,503,125
Sales Outside Ontario	\$3,215,500	2.67	\$8,585,385
Total	\$131,697,965		\$351,633,567

**Table 21 Total and Agri-related FTE Jobs at the Businesses Surveyed**

County and Study Area	Number of Businesses with Job Data	Total FTE Jobs	Percentage of Agri related Jobs	Number of Agri related FTE Jobs
Frontenac	63	608	33.2	202
Lennox & Addington	92	720	25	180
Leeds & Grenville	120	1,569	29	445
Study Area	275	2,897	28.5	827

**Table 22 Estimated Total Agri-related FTE Jobs Using Job Multipliers**

County and Study Area	Sampling Multiplier (Jobs)	Total Estimated FTE Jobs	Estimated Agri related FTE Jobs
Frontenac	2.22	1,350	448
Lennox & Addington	2.41	1,735	439
Leeds & Grenville	2.24	3,572	985
Study Area	2.34	6,779	1,935

**Table 23: Farm Operating Arrangements 1991**

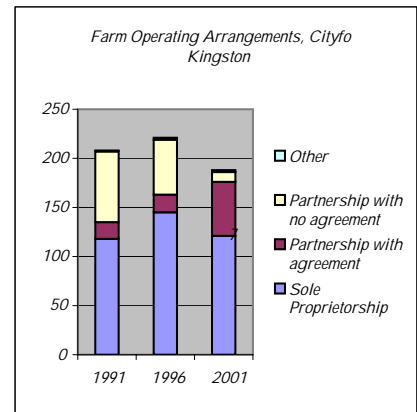
1991	Frontenac County	Leeds & Grenville	Lennox & Addington	Kingston Township	Pittsburgh Township	Total Kingston & Pittsburgh	Ontario
Number of Farms							
Total Number of Farms	733	1,492	726	102	114	216	68,633
Sole Proprietorship	437	855	456	54	64	118	38,916
Percent	59.62%	57.31%	62.81%	52.94%	56.14%	54.63%	56.70%
Partnership with a written agreement	57	132	67	9	8	17	6,765
Percent	7.78%	8.85%	9.23%	8.82%	7.02%	7.87%	9.86%
Partnership with no written agreement	210	414	163	37	35	72	16,960
Percent	28.65%	27.75%	22.45%	36.27%	30.70%	33.33%	24.71%
Family Corporation	26	70	27	2	6	8	5,070
Percent	3.55%	4.69%	3.72%	1.96%	5.26%	3.70%	7.39%
Non-Family Corporation	2	20	13	0	0	0	857
Percent	0.27%	1.34%	1.79%	0.00%	0.00%	0.00%	1.25%
Other	1	1	0	0	1	1	65
Percent	0.14%	0.07%	0.00%	0.00%	0.88%	0.46%	0.09%

**Table 24: Farm Operating Arrangements 1996**

1996	Frontenac County	Leeds & Grenville	Lennox & Addington	Kingston Township	Pittsburgh Township	Total Kingston & Pittsburgh	Ontario
Number of Farms							
Total Number of Farms	823	1,493	753	99	138	237	67,520
Sole Proprietorship	517	888	467	61	84	145	38,465
Percent	62.82%	59.48%	62.02%	61.62%	60.87%	61.18%	56.97%
Partnership with a written agreement	57	102	44	6	12	18	5,834
Percent	6.93%	6.83%	5.84%	6.06%	8.70%	7.59%	8.64%
Partnership with no written agreement	196	399	191	23	33	56	15,242
Percent	23.82%	26.72%	25.37%	23.23%	23.91%	23.63%	22.57%
Family Corporation	43	90	43	7	7	14	6,972
Percent	5.22%	6.03%	5.71%	7.07%	5.07%	5.91%	10.33%
Non-Family Corporation	8	12	8	1	1	2	937
Percent	0.97%	0.80%	1.06%	1.01%	0.72%	0.84%	1.39%
Other	2	2	0	1	1	2	70
Percent	0.24%	0.01%	0.00%	1.01%	0.72%	0.84%	0.10%

**Table 25: Farm Operating Arrangements 2001**

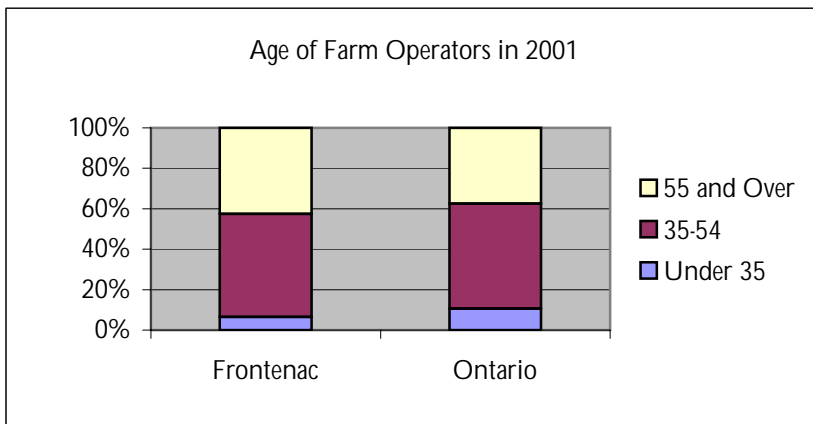
2001	Frontenac County	Leeds & Grenville	Lennox & Addington	City of Kingston	Ontario
Number of Farms					
Total Number of Farms	699	1,348	629	203	59,728
Sole Proprietorship	446	838	398	121	33,675
Percent	63.81%	62.17%	63.28%	59.61%	56.38%
% Change 1991 - 2001	-2.02%	2.03%	14.57%	-2.48%	15.56%
Partnership with a written agreement	165	350	168	55	14,646
Percent	23.61%	25.96%	26.71%	27.09%	24.52%
% Change 1991 - 2001	-65.45%	-62.29%	-60.12%	-69.09%	-53.81%
Partnership with no written agreement	35	72	30	10	4,078
Percent	5.01%	5.34%	4.77%	4.93%	6.83%
% Change 1991 - 2001	500.00%	475.00%	443.33%	620.00%	315.89%
Family Corporation	42	72	29	13	6,670
Percent	6.01%	5.34%	4.61%	6.40%	11.17%
% Change 1991 - 2001	-38.10%	-2.78%	-6.90%	-38.46%	-23.99%
Non-Family Corporation	9	13	3	2	605
Percent	1.29%	0.96%	0.48%	0.99%	1.01%
% Change 1991 - 2001	-77.78%	53.85%	333.33%	-100.00%	41.65%
Other	2	3	1	2	54
Percent	0.29%	0.22%	0.16%	0.99%	0.09%
% Change 1991 - 2001	-50.00%	-66.67%	-100.00%	-50.00%	20.37%



Separate data not available for Kingston Township and Pittsburgh Township from 2001 Agriculture Census

**Table 26: Characteristics of Farm Operators in 2001**

	Frontenac County	Eastern Ontario	Ontario	City of Kingston
Total number of Operators	995	13,505	85,020	300
Sex - Male	720	9,830	62,215	-
% of total Operators	72.36%	72.79%	73.18%	-
Sex - Female	280	3,675	22,800	-
% of total Operators	28.14%	27.21%	26.82%	-
Age - Under 35 Years	65	1,305	8,975	-
% of total Operators	6.53%	9.66%	10.56%	-
Age - 35 to 54 Years	510	7,000	44,150	-
% of total Operators	51.26%	51.83%	51.93%	-
Age - 55 years and Over	425	5,200	31,890	-
% of total Operators	42.71%	38.50%	37.51%	-
Average age of Operators	52.9	51	50.7	52.8



**Table 27: Hours of Non-Farm Work in 2001**

	Frontenac	Eastern Ontario	Ontario
No. Operators Reporting	1,000	13,510	85,005
Average hours per week of non-farm work - None	515	7,435	46,355
of Total Operators	51.50	55.03	54.53
Average hours per week of non-farm work - Less than 20	75	950	6,740
of Total Operators	7.50	7.03	7.93
Average hours per week of non-farm work - 20 to 40	235	2,640	15,255
of Total Operators	23.50	19.54	17.95
Average hours per week of non-farm work - More than 40	175	2,485	16,655
of Total Operators	17.50	18.39	19.59

