



# **Canadian Fertilizer Consumption, Shipments and Trade 2000/2001**



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2000/2001**

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## INTRODUCTION

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With increased interest in environmental matters and improved farm management, there is a continuing need for more information on the distribution and consumption of fertilizer in Canada. This paper, the seventeenth issue in this series, presents the most current statistics available, describing the sources and identifying possible discrepancies. As well as presenting data on the quantities of fertilizers sold in Canada, this publication presents fertilizer farm expenditure data and the fertilizer price index.

Agriculture and Agri-Food Canada does not conduct any surveys with respect to fertilizer sales of its own and therefore cannot assume responsibility for the actual figures themselves. Those contributing to this paper, however, do represent the most reliable sources currently available. Any questions concerning individual tables should be addressed to the organization or government agency responsible. (The relevant addresses and phone numbers are listed in the appendix).

## **1. CONSUMPTION OF FERTILIZER BY FERTILIZER TYPE**

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The most reliable sources on fertilizer consumption are regional fertilizer associations. These associations conduct surveys of all the principal companies engaged in fertilizer retailing within a particular province. It is estimated that over 95 percent of all fertilizer sales are captured by these regional association surveys.

The fertilizer consumption figures represent the volume sold by retailers within a particular province. This may not correspond exactly to all on-farm consumption in that province, as there is some inter-provincial and international movement of fertilizer between retailer and farm. It may be assumed, however, that any net movement is not significant in relation to the overall provincial total.

The fertilizer consumption statistics for all provinces are listed according to the materials used in the preparation of the fertilizer. There is no data which indicates what proportion of this material was utilized in the granular form and what proportion was utilized in the preparation of liquid fertilizers.

CFI has requested that the retail sales in the Peace River region of northern British Columbia, which borders Alberta, be included in the Alberta totals. CFI has little confidence in the reliability of reported sales in northern British Columbia. Beginning with this report, the Quebec statistics capture sales for the August, 2000 to July, 2001 period.

**Table 1.1 Fertilizer Materials Sold, Atlantic Provinces Year Ended June 30, 2001**

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)
(tonnes)				
<b>Nitrogen:</b>				
Urea	10,316	4,745		
Ammonium Sulphate	3,529	741		
Ammonium Nitrate	35,647	12,120		
Calcium Ammonium Nitrate	4,805	1,297		
<b>Phosphate:</b>				
Monoammonium Phosphate	3,692	406	1,920	
Diammonium Phosphate	46,648	8,397	21,458	
Triple Superphosphate	973		448	
<b>Potash:</b>				
Muriate of Potash	39,227			23,928
Potassium Magnesium Sulphate	2,124			467
Borate	190			
Other <sup>(1)</sup>	1,318			
<b>TOTAL</b>	<b>148,469</b>	<b>27,707</b>	<b>23,826</b>	<b>24,396</b>

Source: The Atlantic Fertilizer Institute

NOTE: See explanatory notes at the end of this section.

**Table 1.2 Fertilizer Materials Sold, Quebec Year Ended July 30, 2001**

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)
(tonnes)				
<b>Nitrogen:</b>				
Urea	94,169	43,318		
Ammonium Sulphate	3,046	640		
Ammonium Nitrate	18,872	6,416		
Anhydrous Ammonia	4,891	4,011		
Nitrogen Solutions	41,762	13,201		
Calcium Ammonium Nitrate	51,328	14,115		
<b>Phosphate:</b>				
Monoammonium Phosphate	21,669	2,384	11,268	
Diammonium Phosphate	76,558	13,780	35,217	
Single Superphosphate	151		30	
Triple Superphosphate	3,673		1,690	
<b>Potash:</b>				
Muriate of Potash	84,637			50,876
Potassium Sulphate	1,646			823
Potassium Magnesium Sulphate	18,658			4,105
Mixed Fertilizer Materials	10,283	100	0	0
Other <sup>(1)</sup>	6,590			
<b>TOTAL</b>	<b>437,933</b>	<b>97,965</b>	<b>48,204</b>	<b>55,804</b>

Source: Quebec Fertilizer Manufacturers' Association

NOTE: See explanatory notes at the end of this section.

**Table 1.3 Fertilizer Materials Sold, Ontario****Year Ended June 30, 2001**

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)
(tonnes)				
<b>Nitrogen:</b>				
Urea	178,553	82,134		
Ammonium Sulphate	13,166	2,765		
Ammonium Nitrate	18,401	6,256		
Anhydrous Ammonia	22,885	18,766		
Nitrogen Solutions	132,638	37,145		
Calcium Nitrate	2,128	319		
Calcium Ammonium Nitrate	16,546	4,550		
<b>Phosphate:</b>				
Monoammonium Phosphate	109,920	12,091	57,158	
Diammonium Phosphate	14,586	2,625	6,710	
Single Superphosphate	480		96	
Triple Superphosphate	3,623		1,667	
<b>Potash:</b>				
Muriate of Potash	163,591			99,791
Potassium Sulphate	7,482			3,741
Potassium Magnesium Sulphate	20,029			4,406
Potassium Nitrate	633	89		279
Other <sup>(2)</sup>	49,471	3,393	10,312	4,020
<b>TOTAL</b>	<b>754,132</b>	<b>170,134</b>	<b>75,943</b>	<b>112,236</b>

Source: The Fertilizer Institute of Ontario/Ontario Agri Business Association

NOTE: See explanatory notes at the end of this section.

**Table 1.4 Fertilizer Materials Sold, Eastern Canada****Year Ended June 30, 2001**

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)
(tonnes)				
<b>Nitrogen:</b>				
Urea	283,038	130,197		
Ammonium Sulphate	19,741	4,146		
Ammonium Nitrate	72,920	24,793		
Anhydrous Ammonia	27,776	22,776		
Nitrogen Solutions	174,400	31,392		
Calcium Nitrate	2,128	319		
Calcium Ammonium Nitrate	72,679	19,963		
<b>Phosphate:</b>				
Monoammonium Phosphate	135,281	14,475	68,426	
Diammonium Phosphate	137,792	24,803	63,384	
Single Superphosphate	631		126	
Triple Superphosphate	8,269		3,804	
<b>Potash:</b>				
Muriate of Potash	287,455			174,595
Potassium Sulphate	9,128			4,564
Potassium Magnesium Sulphate	40,811			8,978
Potassium Nitrate	633	89		279
Borate	190			
Mixed Fertilizer Material:	10,283	100	0	0
Other <sup>(1,2)</sup>	57,379	3,393	10,312	4,020
<b>TOTAL</b>	<b>1,340,534</b>	<b>276,445</b>	<b>146,053</b>	<b>192,436</b>

Source: This table is a summation of Tables 1.1, 1.2, and 1.3.

NOTE: See explanatory notes at the end of this section.



**Table 1.5 Fertilizer Materials Sold, Manitoba**
**Year Ended June 30, 2001**

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)
(tonnes)				
<b>Nitrogen:</b>				
Urea	206,405	94,946		
Ammonium Sulphate	64,398	13,524		
Ammonium Nitrate	34,374	11,687		
Anhydrous Ammonia	165,178	135,446		
Nitrogen Solutions	72,721	20,362		
<b>Phosphate:</b>				
Monoammonium Phosphate	189,583	20,854	97,256	
Ammonium Polyphosphate	23,708	2,371	8,061	
<b>Potash:</b>				
Muriate of Potash	55,908			34,104
Other Fertilizer Materials <sup>(2)</sup>	24,766	2,794	1,606	582
<b>TOTAL</b>	<b>837,041</b>	<b>301,984</b>	<b>106,923</b>	<b>34,686</b>

Source: Canadian Fertilizer Institute

NOTE: See explanatory notes at the end of this section.

**Table 1.6 Fertilizer Materials Sold, Saskatchewan**
**Year Ended June 30, 2001**

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)
(tonnes)				
<b>Nitrogen:</b>				
Urea	536,585	246,829		
Ammonium Sulphate	143,101	30,051		
Ammonium Nitrate	38,081	12,948		
Anhydrous Ammonia	201,743	165,429		
Nitrogen Solutions	92,121	25,794		
<b>Phosphate:</b>				
Monoammonium Phosphate	390,457	42,950	200,304	
Ammonium Polyphosphate	35,199	3,520	11,968	
<b>Potash:</b>				
Muriate of Potash	49,481			30,183
Other Fertilizer Materials <sup>(2)</sup>	29,466	3,543	2,895	134
<b>TOTAL</b>	<b>1,516,234</b>	<b>531,064</b>	<b>215,167</b>	<b>30,317</b>

Source: Canadian Fertilizer Institute

NOTE: See explanatory notes at the end of this section.

**Table 1.7 Fertilizer Materials Sold, Alberta****Year Ended June 30, 2001**

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)
(tonnes)				
<b>Nitrogen:</b>				
Urea	459,318	211,286		
Ammonium Sulphate	130,903	27,490		
Ammonium Nitrate	73,977	25,152		
Anhydrous Ammonia	169,590	139,064		
Nitrogen Solutions	22,767	6,375		
<b>Phosphate:</b>				
Monoammonium Phosphate	287,590	31,635	147,534	
Ammonium Polyphosphate	14,083	1,408	4,788	
<b>Potash:</b>				
Muriate of Potash	85,244			51,999
Other Fertilizer Materials <sup>(2)</sup>	11,043	526	2,784	118
<b>TOTAL</b>	<b>1,254,515</b>	<b>442,936</b>	<b>155,106</b>	<b>52,117</b>

Source: Canadian Fertilizer Institute - Includes northern B.C. sales.

NOTE: See explanatory notes at the end of this section.

**Table 1.8 Fertilizer Materials Sold, Prairies****Year Ended June 30, 2001**

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)
(tonnes)				
<b>Nitrogen:</b>				
Urea	1,202,308	553,062		
Ammonium Sulphate	338,402	71,064		
Ammonium Nitrate	146,432	49,787		
Anhydrous Ammonia	536,511	439,939		
Nitrogen Solutions	187,609	52,531		
<b>Phosphate:</b>				
Monoammonium Phosphate	867,630	95,439	445,094	
Ammonium Polyphosphate	72,990	7,299	24,817	
<b>Potash:</b>				
Muriate of Potash	190,633			116,286
Other Fertilizer Materials <sup>(2)</sup>	65,275	6,863	7,285	834
<b>TOTAL</b>	<b>3,607,790</b>	<b>1,275,984</b>	<b>477,196</b>	<b>117,120</b>

Source: This table is a summation of tables 1.5, 1.6, and 1.7. - Includes northern B.C. sales.

NOTE: See explanatory notes at the end of this section.

**Table 1.9 Fertilizer Materials Sold, British Columbia**
**Year Ended June 30, 2001**

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)
(tonnes)				
<b>Nitrogen:</b>				
Urea	35,027	16,112		
Ammonium Sulphate	8,132	1,708		
Ammonium Nitrate	5,079	1,727		
Anhydrous Ammonia	3,837	3,146		
Nitrogen Solutions	8	2		
<b>Phosphate:</b>				
Monoammonium Phosphate	14,987	1,649	7,688	
Ammonium Polyphosphate	918	92	312	
<b>Potash:</b>				
Muriate of Potash	9,520			5,807
Other Fertilizer Materials <sup>(2)</sup>	7,612	871	1,203	1,172
<b>TOTAL</b>	<b>85,120</b>	<b>25,307</b>	<b>9,203</b>	<b>6,979</b>

Source: Canadian Fertilizer Institute - Northern B.C. not included.

NOTE: See explanatory notes at the end of this section.

**Table 1.10 Fertilizer Materials Sold, Western Canada**
**Year Ended June 30, 2001**

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)
(tonnes)				
<b>Nitrogen:</b>				
Urea	1,237,335	569,174		
Ammonium Sulphate	346,534	72,772		
Ammonium Nitrate	151,511	51,514		
Anhydrous Ammonia	536,511	439,939		
Nitrogen Solutions	187,617	52,533		
<b>Phosphate:</b>				
Monoammonium Phosphate	882,617	97,088	452,783	
Ammonium Polyphosphate	73,908	7,391	25,129	
<b>Potash:</b>				
Muriate of Potash	200,153			122,093
Other Fertilizer Materials <sup>(2)</sup>	72,887	7,734	8,488	2,006
<b>TOTAL</b>	<b>3,689,073</b>	<b>1,298,145</b>	<b>486,399</b>	<b>124,099</b>

Source: This is a summation of tables 1.5, 1.6, 1.7, and 1.9.

NOTE: See explanatory notes at the end of this section.

Table 1.11 Fertilizer Materials Sold, Canada

Year Ended June 30, 2001

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)
(tonnes)				
<b>Nitrogen:</b>				
Urea	1,520,373	699,372		
Ammonium Sulphate	366,275	76,918		
Ammonium Nitrate	224,431	76,307		
Anhydrous Ammonia	564,287	462,715		
Nitrogen Solutions	362,017	83,925		
Calcium Nitrate	2,128	319		
Calcium Ammonium Nitrate	72,679	19,963		
<b>Phosphate:</b>				
Monoammonium Phosphate	1,017,898	111,563	521,209	
Diammonium Phosphate	137,792	24,803	63,384	
Single Superphosphate	631		126	
Triple Superphosphate	8,269		3,804	
Ammonium Polyphosphate	73,908	7,391	25,129	
<b>Potash:</b>				
Muriate of Potash	487,608			296,688
Potassium Sulphate	9,128			4,564
Potassium Magnesium Sulphate	40,811			8,978
Potassium Nitrate	633	89		279
Borate	190			
Mixed Fertilizer Materials	10,283	100	0	0
Other Fertilizer Materials	72,887	7,734	8,488	2,006
Other <sup>(1)</sup>	57,379	3,393	10,312	4,020
<b>TOTAL - ALL CANADA</b>	<b>5,029,607</b>	<b>1,577,736</b>	<b>632,452</b>	<b>316,535</b>

Source: This table is a summation of Tables 1.4 and 1.10.

## NOTES FOR TABLES 1.1 to 1.11

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- (1) "Other", largely micronutrients.
  
- (2) "Other Fertilizer Materials" includes phosphate and sulphur solutions, mixed fertilizer materials and elemental sulphur and sulphate fertilizers not elsewhere shown. It is not possible to directly determine the nitrogen and phosphate content of "Other Fertilizer Materials". The nutrient content is calculated as a residual by subtracting the known nitrogen and phosphate sales from the provincial totals.

## **2. HISTORICAL CONSUMPTION DATA BY NUTRIENT EQUIVALENT**

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Up to the 1976/77 fertilizer year, data on provincial fertilizer consumption were provided by a Statistics Canada survey of fertilizer retailers and published in "Fertilizer Trade", Catalogue No. 46-207. These Statistics Canada data are useful in estimating the total nutrient consumption in each province.

After the 1976/77 fertilizer year, the industry associations have been the most reliable sources of information on fertilizer consumption<sup>1</sup>. Generally, their statistics have been expressed in terms of the different materials used and also provide a summary of total nutrient consumption for the province or region.

Atlantic provinces totals are presented in Table 2.1. A breakdown into provincial totals was available from 1966 to 1986 and was published in the first six issues of this series.

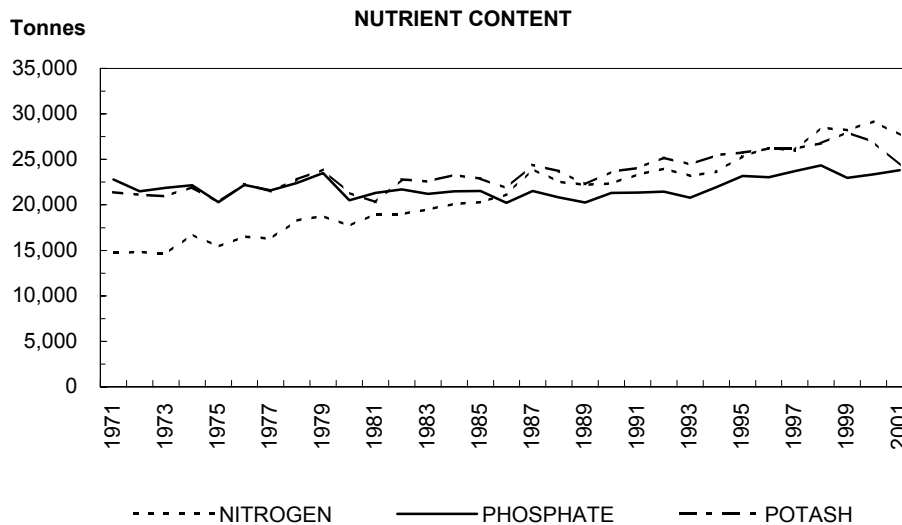
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<sup>1</sup>Statistics Canada did conduct a retail survey for the 1983/84 fertilizer year and published the results in "Usage of Fertilizer Materials" (Stat. Can. Catalogue No. 46-504).

**Table 2.1 Fertilizer Sold and Nutrient Content, Atlantic Provinces**

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)	All Nutrients (N + P + K)
(Tonnes)					
2001	148,469	27,707	23,826	24,396	75,929
2000	156,770	29,161	23,345	26,948	79,454
1999	157,279	28,218	22,967	27,966	79,151
1998	155,656	28,491	24,334	26,756	79,581
1997	146,664	26,028	23,713	26,180	75,921
1996	161,524	26,229	23,045	26,170	75,444
1995	157,931	25,375	23,174	25,737	74,286
1994	151,710	23,629	21,956	25,461	71,046
1993	146,855	23,189	20,782	24,432	68,403
1992	152,810	23,974	21,440	25,185	70,599
1991	148,090	23,336	21,342	24,048	68,726
1990	145,408	22,356	21,303	23,637	67,296
1989	143,471	22,203	20,275	22,270	64,748
1988	147,841	22,546	20,832	23,723	67,101
1987	154,635	23,910	21,540	24,395	69,845
1986	145,199	21,157	20,218	21,853	63,228
1985	148,171	20,309	21,516	22,901	64,726
1984	148,500	20,100	21,500	23,300	64,900
1983	147,200	19,500	21,200	22,600	63,300
1982	146,100	19,000	21,700	22,800	63,500
1981	145,500	19,000	21,300	20,300	60,600
1980	139,200	17,700	20,500	21,300	59,500
1979	154,800	18,800	23,500	23,900	66,200
1978	151,100	18,300	22,400	22,800	63,500
1977	142,000	16,300	21,600	21,500	59,400
1976	146,768	16,534	22,180	22,304	61,018
1975	137,992	15,413	20,306	20,292	56,011
1974	149,619	16,728	22,158	21,944	60,830
1973	141,589	14,682	21,880	20,962	57,524
1972	139,280	14,804	21,510	21,114	57,428
1971	146,338	14,727	22,787	21,378	58,892

Source: (1971-1977) Statistics Canada "Fertilizer Trade", (Catalogue No. 46-207).  
 (1978-2001) Atlantic Fertilizer Institute.



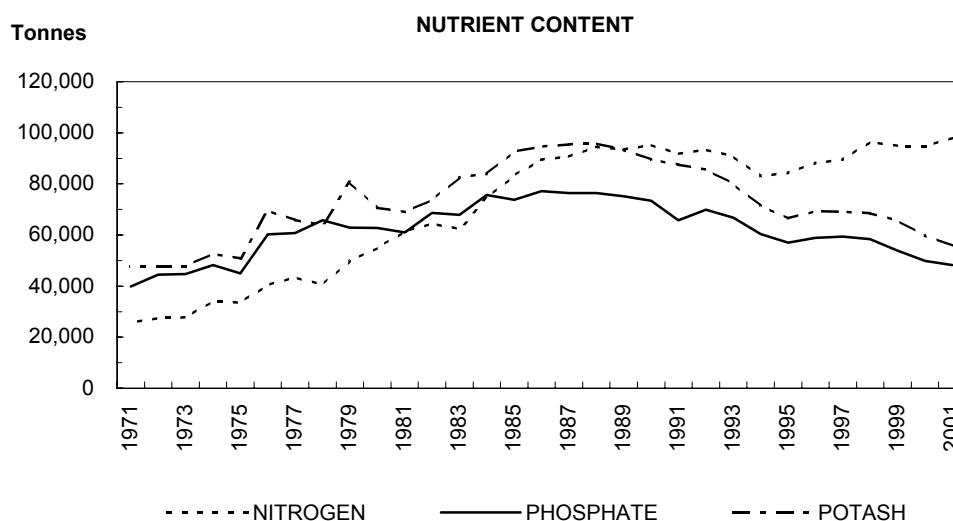
**Table 2.2 Fertilizer Sold and Nutrient Content, Quebec**

Year Ending June 30*	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)	All Nutrients (N + P + K)
(Tonnes)					
2001	437,933	97,965	48,204	55,804	201,973
2000	429,932	94,719	49,809	59,699	204,227
1999	454,893	94,922	53,903	65,605	214,430
1998	459,238	96,464	58,314	68,540	223,318
1997	433,176	89,561	59,435	69,091	218,087
1996	435,927	88,207	58,842	69,245	216,294
1995	422,438	84,347	57,052	66,495	207,894
1994	432,090	83,097	60,434	71,471	215,002
1993	456,409	90,857	66,822	80,048	237,727
1992	490,650	93,328	69,934	85,550	248,812
1991	482,540	91,760	65,727	87,505	244,992
1990	507,599	95,245	73,381	89,593	258,219
1989	517,762	93,446	75,181	93,357	261,984
1988	527,685	94,500	76,434	95,809	266,743
1987	521,224	90,692	76,404	95,457	262,553
1986	519,519	89,443	77,152	94,542	261,137
1985	498,785	83,315	73,801	92,683	249,799
1984	473,100	74,400	75,700	83,900	234,000
1983	433,400	62,400	67,900	82,500	212,800
1982	433,400	64,400	68,600	73,700	206,700
1981	420,000	61,400	61,000	69,000	191,400
1980	406,800	54,900	62,700	70,600	188,200
1979	421,700	49,800	62,900	80,700	193,400
1978	386,200	40,600	65,700	63,900	170,200
1977	361,600	43,400	60,800	65,830	170,030
1976	349,390	40,399	60,286	69,577	170,262
1975	329,895	33,519	44,928	50,889	129,336
1974	340,575	34,120	48,272	52,576	134,968
1973	311,604	27,793	44,671	47,822	120,286
1972	311,013	27,404	44,460	47,806	119,670
1971	302,464	25,687	39,782	47,599	113,068

Source: (1971-1977) Statistics Canada "Fertilizer Trade", (Catalogue No. 46-207).

(1978-2001) Quebec Fertilizer Manufacturers' Association.

Note: Beginning 2001, for year ending July 31.

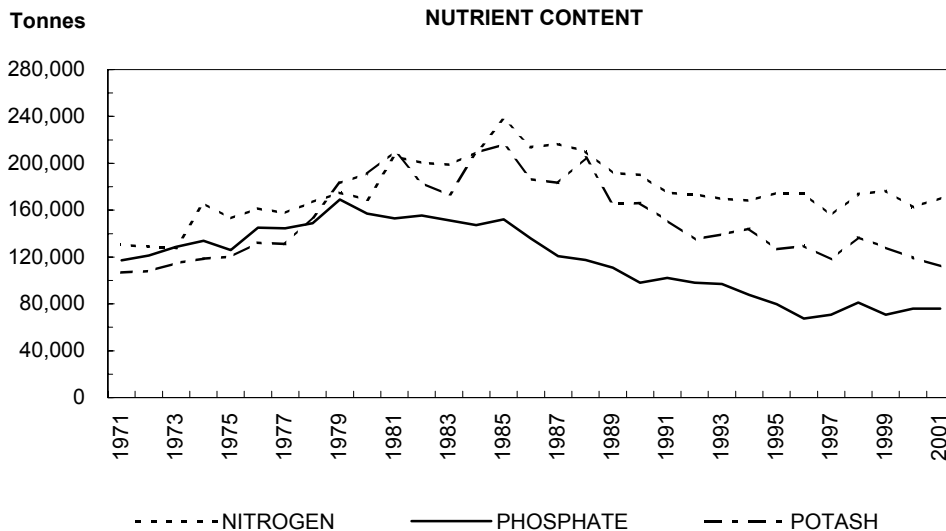




**Table 2.3 Fertilizer Sold and Nutrient Content, Ontario**

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)	All Nutrients (N + P + K)
(Tonnes)					
2001	754,132	170,134	75,943	112,236	358,313
2000	730,289	162,513	75,902	119,284	357,699
1999	778,035	176,382	70,887	128,175	375,444
1998	802,274	173,604	81,238	136,773	391,615
1997	714,232	155,727	70,648	117,951	344,326
1996	754,369	173,884	67,394	129,595	370,873
1995	762,693	174,630	79,879	126,823	381,332
1994	781,125	168,233	87,814	144,284	400,331
1993	784,842	169,587	96,876	139,323	405,786
1992	796,451	173,577	98,025	135,351	406,953
1991	821,783	174,860	102,124	151,231	428,215
1990	889,023	190,013	97,954	166,008	453,975
1989	909,487	191,670	110,912	165,246	467,828
1988	1,029,545	210,215	117,563	204,496	532,274
1987	1,012,534	216,466	120,677	183,269	520,412
1986	1,036,200	213,916	135,889	186,698	536,503
1985	1,162,175	237,409	152,021	216,156	605,586
1984	1,146,400	209,300	147,300	209,000	565,600
1983	1,031,900	199,000	151,400	173,000	523,400
1982	1,070,900	200,400	155,400	183,200	539,000
1981	1,137,900	205,600	153,100	210,000	568,700
1980	1,125,400	169,000	157,000	191,000	517,000
1979	1,185,000	174,700	169,100	183,000	526,800
1978	1,082,400	166,900	148,900	154,200	470,000
1977	952,200	157,500	144,400	131,200	433,100
1976	862,000	161,364	145,039	132,269	438,672
1975	894,392	152,952	126,036	120,157	399,145
1974	913,693	165,860	133,970	118,495	418,325
1973	849,957	127,895	128,638	114,763	371,296
1972	821,016	128,919	121,307	107,838	358,064
1971	811,702	130,433	117,278	106,750	354,461

Source: (1971-1977) Statistics Canada, "Fertilizer Trade", (Catalogue No. 46-207).  
 (1978-2001) The Fertilizer Institute of Ontario/Ontario Agri Business Association.

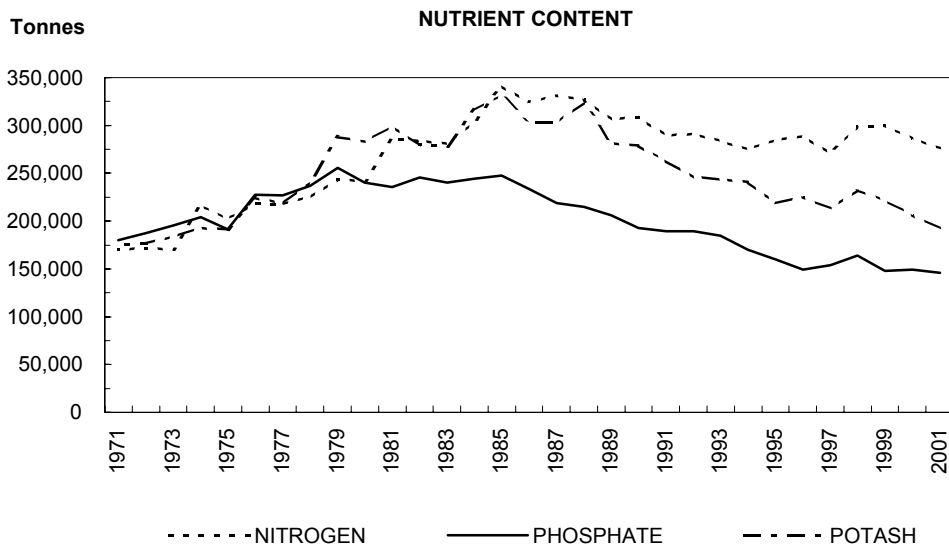


**Table 2.4 Fertilizer Sold and Nutrient Content, Eastern Canada**

Year Ending June 30*	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)	All Nutrients (N + P + K)
(Tonnes)					
2001	1,340,534	276,445	146,053	192,436	614,934
2000	1,316,991	286,393	149,056	205,931	641,380
1999	1,390,207	299,522	147,757	221,746	669,025
1998	1,417,168	298,559	163,887	232,069	694,514
1997	1,294,072	271,316	153,796	213,222	638,334
1996	1,351,820	288,320	149,281	225,010	662,611
1995	1,343,062	284,352	160,105	219,055	663,512
1994	1,364,925	274,959	170,204	241,216	686,379
1993	1,388,106	283,633	184,480	243,803	711,916
1992	1,439,911	290,879	189,399	246,086	726,364
1991	1,452,413	289,956	189,193	262,784	741,933
1990	1,542,030	307,614	192,638	279,238	779,490
1989	1,570,720	307,319	206,368	280,873	794,560
1988	1,705,071	327,261	214,829	324,028	866,118
1987	1,688,393	331,068	218,621	303,121	852,810
1986	1,700,918	324,516	233,259	303,093	860,868
1985	1,809,131	341,033	247,338	331,740	920,111
1984	1,768,000	303,800	244,500	316,200	864,500
1983	1,612,500	280,900	240,500	278,100	799,500
1982	1,650,400	283,800	245,700	279,700	809,200
1981	1,703,400	286,000	235,400	299,300	820,700
1980	1,671,400	241,600	240,200	282,900	764,700
1979	1,761,500	243,300	255,500	287,600	786,400
1978	1,619,700	225,800	237,000	240,900	703,700
1977	1,455,800	217,200	226,800	218,530	662,530
1976	1,358,158	218,297	227,505	224,150	669,952
1975	1,362,279	201,884	191,270	191,338	584,492
1974	1,403,887	216,708	204,400	193,015	614,123
1973	1,303,150	170,370	195,189	183,547	549,106
1972	1,271,309	171,127	187,277	176,758	535,162
1971	1,260,504	170,847	179,847	175,727	526,421

Source: Summation of figures from Tables 2.1 to 2.3 inclusive.

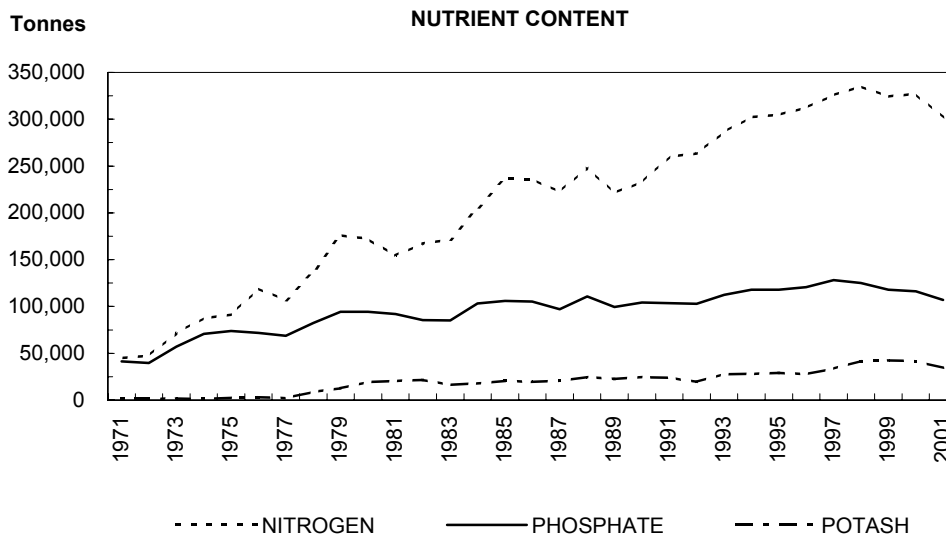
Note: Beginning 2001, for Quebec, year is ending July 31.



**Table 2.5 Fertilizer Sold and Nutrient Content, Manitoba**

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)	All Nutrients (N + P + K)
(Tonnes)					
2001	837,041	301,984	106,923	34,686	443,593
2000	914,557	326,933	116,188	41,571	484,692
1999	911,761	324,465	117,788	42,357	484,610
1998	966,368	335,015	124,997	41,653	501,665
1997	903,358	325,710	128,161	33,620	487,491
1996	832,350	312,350	120,554	27,550	460,454
1995	844,809	304,889	117,984	29,211	452,084
1994	815,003	302,106	117,840	28,050	447,996
1993	749,944	286,347	112,366	27,530	426,243
1992	699,558	263,505	103,043	19,477	386,025
1991	704,268	259,890	103,614	24,082	387,586
1990	662,754	232,597	104,192	24,473	361,262
1989	637,191	221,422	99,500	22,575	343,497
1988	705,869	248,010	110,573	24,662	383,245
1987	623,113	222,500	96,980	20,649	340,129
1986	673,475	235,960	105,429	19,396	360,785
1985	669,484	236,089	105,915	20,568	362,572
1984	588,686	205,114	103,319	17,661	326,094
1983	523,556	171,453	84,963	16,383	272,799
1982	521,187	167,107	85,520	21,526	274,153
1981	516,996	154,448	91,922	20,517	266,887
1980	548,692	172,374	94,447	19,459	286,280
1979	543,874	176,021	94,460	12,757	283,238
1978	455,810	136,857	82,454	8,901	228,212
1977	367,106	106,962	68,660	1,952	177,574
1976	369,358	118,962	71,887	2,918	193,767
1975	344,649	91,365	73,815	2,331	167,511
1974	326,241	87,586	70,672	1,316	159,574
1973	277,588	71,430	57,201	1,710	130,341
1972	196,502	47,390	39,643	1,363	88,396
1971	177,210	44,905	41,300	1,323	87,528

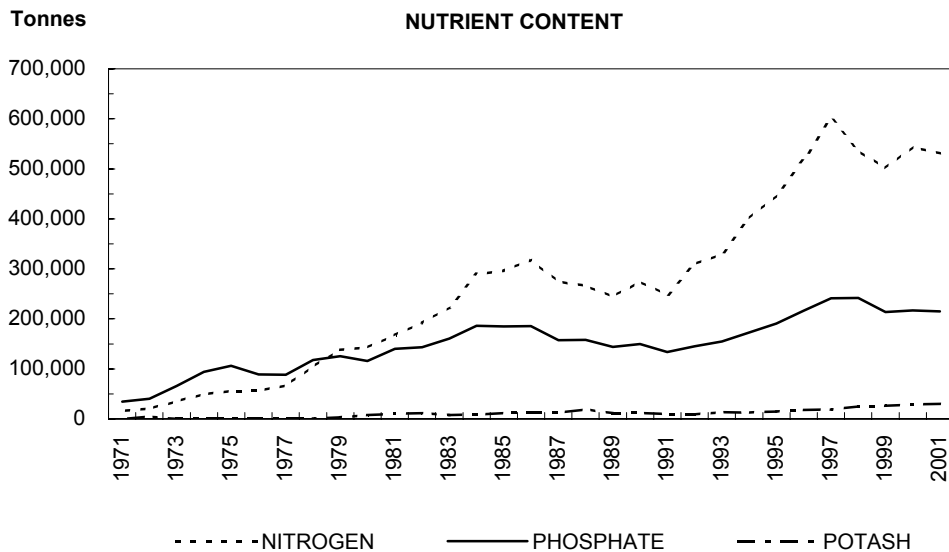
Source: (1971-1977) Statistics Canada, "Fertilizer Trade", (Catalogue No. 46-207).  
 (1978-2001) Canadian Fertilizer Institute and the Potash and Phosphate Institute.



**Table 2.6 Fertilizer Sold and Nutrient Content, Saskatchewan**

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)	All Nutrients (N + P + K)
		(Tonnes)			
2001	1,516,234	531,064	215,167	30,317	776,548
2000	1,532,131	543,998	217,074	28,594	789,666
1999	1,437,797	501,725	213,445	26,041	741,211
1998	1,550,798	536,963	241,739	25,058	803,759
1997	1,598,142	600,552	241,370	18,792	860,714
1996	1,383,143	517,829	216,413	17,643	751,885
1995	1,209,454	446,576	190,487	14,494	651,557
1994	1,103,494	401,477	173,052	12,547	587,076
1993	922,845	329,335	154,692	13,233	497,260
1992	860,088	309,678	145,383	9,071	464,132
1991	726,646	247,346	133,700	9,537	390,583
1990	799,637	274,194	149,461	12,374	436,029
1989	745,307	244,723	143,860	11,726	400,309
1988	832,387	266,044	157,939	18,967	442,950
1987	812,431	274,815	157,335	12,415	444,565
1986	926,651	317,800	185,537	12,724	516,061
1985	885,055	296,395	184,961	11,549	492,905
1984	876,162	289,261	186,296	9,276	484,833
1983	742,680	222,499	160,593	7,703	390,795
1982	630,650	191,974	143,185	11,738	346,897
1981	582,301	167,734	140,053	9,922	317,709
1980	513,932	142,700	115,530	7,382	265,612
1979	527,868	138,128	125,409	3,121	266,658
1978	432,490	104,825	117,653	638	223,116
1977	298,239	66,658	88,340	382	155,380
1976	284,092	56,351	89,252	764	146,367
1975	309,088	55,700	106,527	582	162,809
1974	277,060	49,328	94,070	636	144,034
1973	194,140	35,482	65,686	290	101,458
1972	118,403	20,707	40,201	4,575	65,483
1971	93,999	15,750	34,331	200	50,281

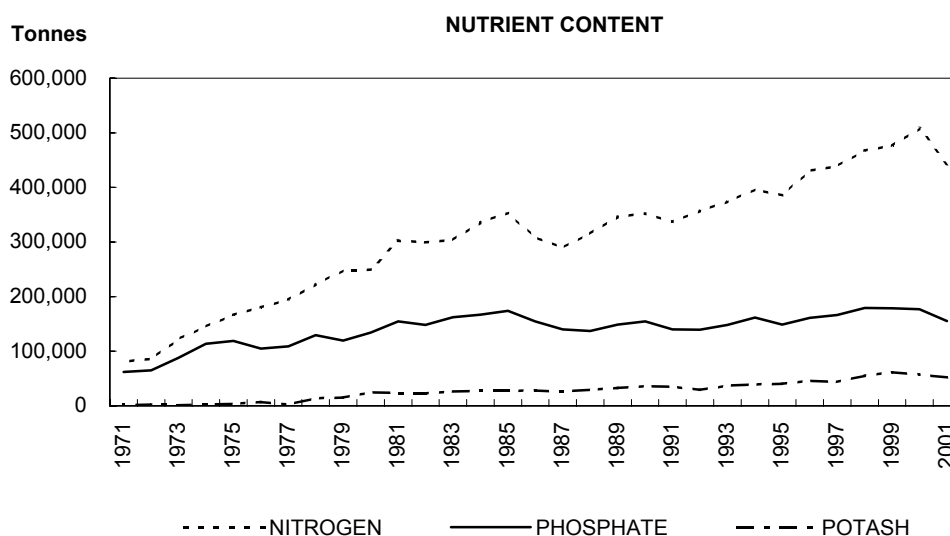
Source: (1971-1977) Statistics Canada, "Fertilizer Trade", (Catalogue No. 46-207).  
 (1978-2001) Canadian Fertilizer Institute and the Potash and Phosphate Institute.



**Table 2.7 Fertilizer Sold and Nutrient Content, Alberta**

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)	All Nutrients (N + P + K)
(Tonnes)					
2001	1,254,515	442,936	155,106	52,117	650,159
2000	1,422,943	508,287	176,871	57,535	742,693
1999	1,375,951	476,389	178,832	61,614	716,835
1998	1,349,979	467,754	179,338	54,976	702,067
1997	1,215,983	438,695	166,403	44,094	649,192
1996	1,150,119	430,782	161,225	45,616	637,623
1995	1,074,500	385,805	148,670	40,625	575,100
1994	1,129,308	395,974	161,706	39,446	597,126
1993	1,035,810	373,962	148,213	36,633	558,808
1992	958,390	356,776	139,257	29,094	525,127
1991	949,477	337,094	140,180	35,007	512,281
1990	992,499	352,218	154,816	36,410	543,444
1989	967,354	346,536	148,954	32,530	528,020
1988	894,966	315,796	137,369	29,199	482,364
1987	843,466	289,186	140,197	26,348	455,731
1986	884,351	308,908	154,600	28,282	491,790
1985	995,157	353,469	174,067	27,420	554,956
1984	924,488	335,906	166,831	27,467	530,204
1983	869,116	303,815	162,294	26,098	492,207
1982	845,803	299,360	148,418	22,604	470,382
1981	859,233	302,154	154,623	23,434	480,211
1980	729,059	249,603	134,181	24,798	408,582
1979	748,891	247,611	119,724	15,374	382,709
1978	696,476	222,215	129,701	13,775	365,691
1977	585,937	194,691	108,972	2,282	305,945
1976	576,911	180,508	104,972	7,268	292,748
1975	569,341	166,399	118,884	3,262	288,545
1974	523,999	145,043	113,404	2,114	260,561
1973	422,366	121,738	87,721	1,229	210,688
1972	327,478	85,909	64,772	2,529	153,210
1971	317,518	80,999	61,983	1,581	144,563

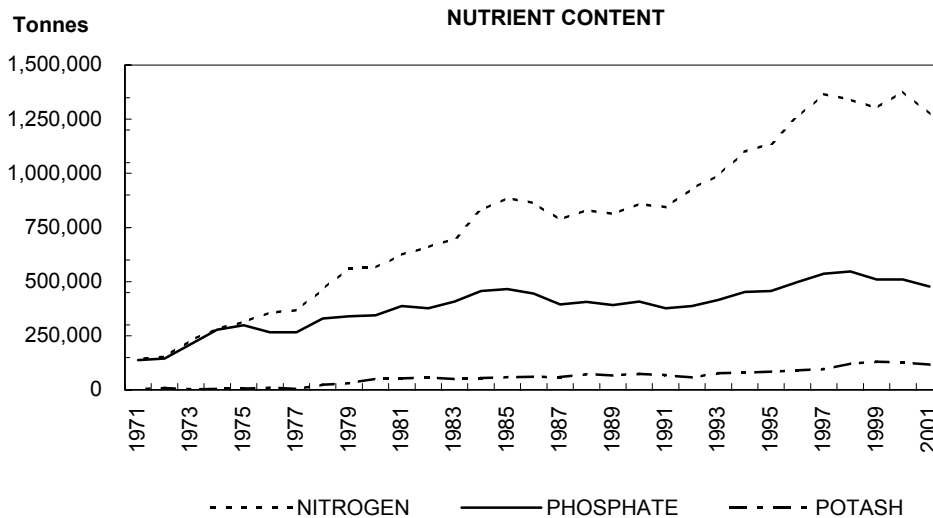
Source: (1971-1977) Statistics Canada, "Fertilizer Trade", (Catalogue No. 46-207).  
 (1978-2001) Canadian Fertilizer Institute and the Potash and Phosphate Institute.



**Table 2.8 Fertilizer Sold and Nutrient Content, Prairies**

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)	All Nutrients (N + P + K)
(Tonnes)					
2001	3,607,790	1,275,984	477,196	117,120	1,870,300
2000	3,869,631	1,379,218	510,133	126,416	2,015,767
1999	3,725,509	1,302,579	510,065	130,012	1,942,656
1998	3,867,145	1,339,732	546,073	121,687	2,007,492
1997	3,717,483	1,364,957	535,934	96,506	1,997,397
1996	3,365,612	1,260,961	498,192	90,809	1,849,962
1995	3,128,763	1,137,270	457,141	84,330	1,678,741
1994	3,047,805	1,099,557	452,598	80,043	1,632,198
1993	2,708,599	989,644	415,271	77,396	1,482,311
1992	2,518,036	929,959	387,683	57,642	1,375,284
1991	2,380,391	844,330	377,494	68,626	1,290,450
1990	2,454,890	859,009	408,469	73,257	1,340,735
1989	2,349,852	812,681	392,314	66,831	1,271,826
1988	2,433,222	829,850	405,881	72,828	1,308,559
1987	2,279,010	786,501	394,512	59,412	1,240,425
1986	2,484,477	862,668	445,566	60,402	1,368,636
1985	2,549,696	885,953	464,943	59,537	1,410,433
1984	2,389,336	830,281	456,446	54,404	1,341,131
1983	2,135,352	697,767	407,850	50,184	1,155,801
1982	1,997,640	658,441	377,123	55,868	1,091,432
1981	1,958,530	624,336	386,598	53,873	1,064,807
1980	1,791,683	564,677	344,158	51,639	960,474
1979	1,820,633	561,760	339,593	31,252	932,605
1978	1,584,776	463,897	329,808	23,314	817,019
1977	1,251,282	368,311	265,972	4,616	638,899
1976	1,230,361	355,821	266,111	10,950	632,882
1975	1,223,078	313,464	299,226	6,175	618,865
1974	1,127,300	281,957	278,146	4,066	564,169
1973	894,094	228,650	210,608	3,229	442,487
1972	642,383	154,006	144,616	8,467	307,089
1971	588,727	141,654	137,614	3,104	282,372

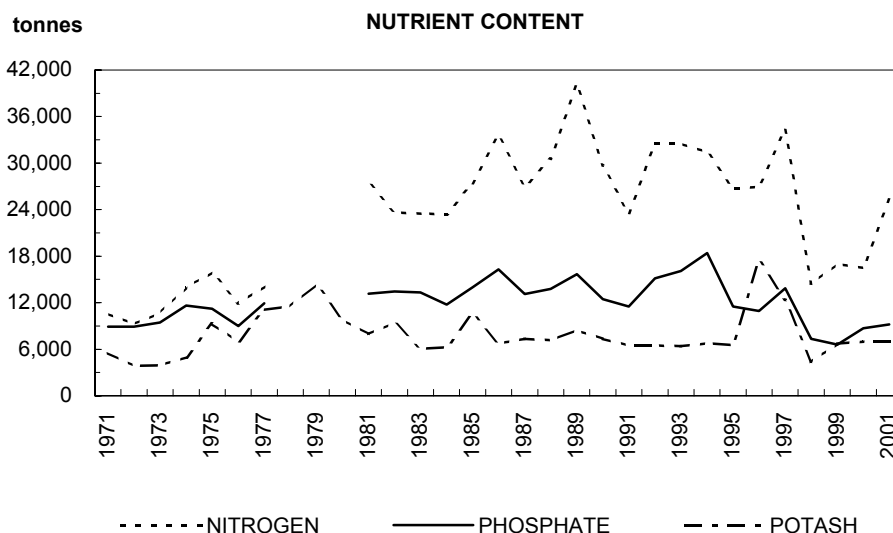
Source: Summation of figures from tables 2.5, 2.6 and 2.7.  
Includes northern B.C. beginning 1998.



**Table 2.9 Fertilizer Sold and Nutrient Content, British Columbia**

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)	All Nutrients (N + P + K)
(Tonnes)					
2001	85,112	25,307	9,203	6,979	41,489
2000	67,683	16,461	8,694	6,956	32,111
1999	66,140	17,007	6,600	6,720	30,327
1998	57,688	14,455	7,363	4,378	26,196
1997	118,652	34,361	13,871	12,392	60,624
1996	111,613	26,922	10,944	17,434	55,300
1995	94,645	26,734	11,504	6,514	44,752
1994	124,152	31,409	18,385	6,764	56,558
1993	121,269	32,529	16,111	6,401	55,041
1992	112,666	32,450	15,145	6,497	54,092
1991	88,810	23,477	11,512	6,481	41,470
1990	108,022	29,669	12,470	7,347	49,486
1989	127,653	40,166	15,687	8,438	64,291
1988	103,005	30,542	13,765	7,184	51,491
1987	95,026	26,972	13,126	7,363	47,461
1986	114,596	33,537	16,285	6,706	56,528
1985	102,996	27,425	13,998	10,560	51,983
1984	86,001	23,446	11,761	6,269	41,476
1983	94,558	23,472	13,335	6,055	42,862
1982	93,670	23,657	13,442	9,417	46,516
1981	96,409	27,485	13,149	7,950	48,584
1980	109,280	N.A.	N.A.	9,823	N.A.
1979	89,349	N.A.	N.A.	14,375	N.A.
1978	62,572	N.A.	N.A.	11,543	N.A.
1977	86,099	14,069	11,914	11,095	37,078
1976	67,925	11,924	9,004	6,958	27,886
1975	91,371	15,895	11,232	9,284	36,411
1974	77,437	13,930	11,646	4,941	30,517
1973	63,537	10,694	9,466	3,917	24,077
1972	58,430	9,259	8,892	3,825	21,976
1971	65,817	10,560	8,900	5,488	24,948

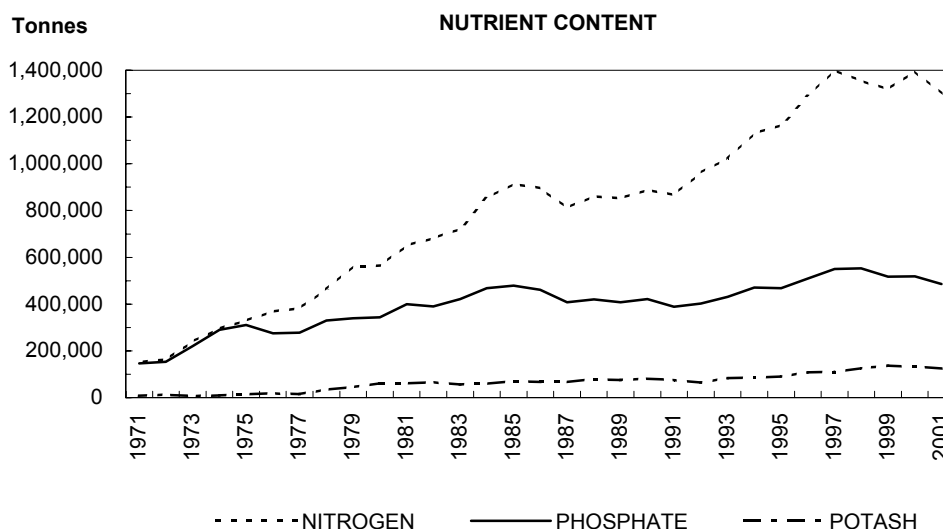
Source: (1971-1977) Statistics Canada, "Fertilizer Trade", (Catalogue No. 46-207).  
 (1978-2001) Canadian Fertilizer Institute and the Potash and Phosphate Institute.  
 Does not include northern B.C. beginning 1998.



**Table 2.10 Fertilizer Sold and Nutrient Content, Western Canada**

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)	All Nutrients (N + P + K)
(Tonnes)					
2001	3,689,073	1,298,145	486,399	124,099	1,911,789
2000	3,937,314	1,395,679	518,827	133,372	2,047,878
1999	3,791,649	1,319,586	516,665	136,732	1,972,983
1998	3,924,833	1,354,187	553,436	126,065	2,033,688
1997	3,836,135	1,399,318	549,805	108,898	2,058,021
1996	3,477,225	1,287,883	509,136	108,243	1,905,262
1995	3,223,408	1,164,004	468,645	90,844	1,723,493
1994	3,171,957	1,130,966	470,983	86,807	1,688,756
1993	2,829,868	1,022,173	431,382	83,797	1,537,352
1992	2,630,702	962,409	402,828	64,139	1,429,376
1991	2,469,201	867,807	389,006	75,107	1,331,920
1990	2,562,912	888,678	420,939	80,604	1,390,221
1989	2,477,505	852,847	408,001	75,269	1,336,117
1988	2,536,227	860,392	419,646	80,012	1,360,050
1987	2,374,036	813,473	407,638	66,775	1,287,886
1986	2,599,073	896,205	461,851	67,108	1,425,164
1985	2,652,692	913,378	478,941	70,097	1,462,416
1984	2,475,337	853,727	468,207	60,673	1,382,607
1983	2,229,910	721,239	421,185	56,239	1,198,663
1982	2,091,310	682,098	390,565	65,285	1,137,948
1981	2,054,939	651,821	399,747	61,823	1,113,391
1980	1,900,963	564,677	344,158	61,462	960,474
1979	1,909,982	561,760	339,593	45,627	932,605
1978	1,647,348	463,897	329,808	34,857	817,019
1977	1,337,381	382,380	277,886	15,711	675,977
1976	1,298,286	367,745	275,115	17,908	660,768
1975	1,314,449	329,359	310,458	15,459	655,276
1974	1,204,737	295,887	289,792	9,007	594,686
1973	957,631	239,344	220,074	7,146	466,564
1972	700,813	163,265	153,508	12,292	329,065
1971	654,544	152,214	146,514	8,592	307,320

Source: Summation of figures from Tables 2.5, 2.6, 2.7 and 2.9.



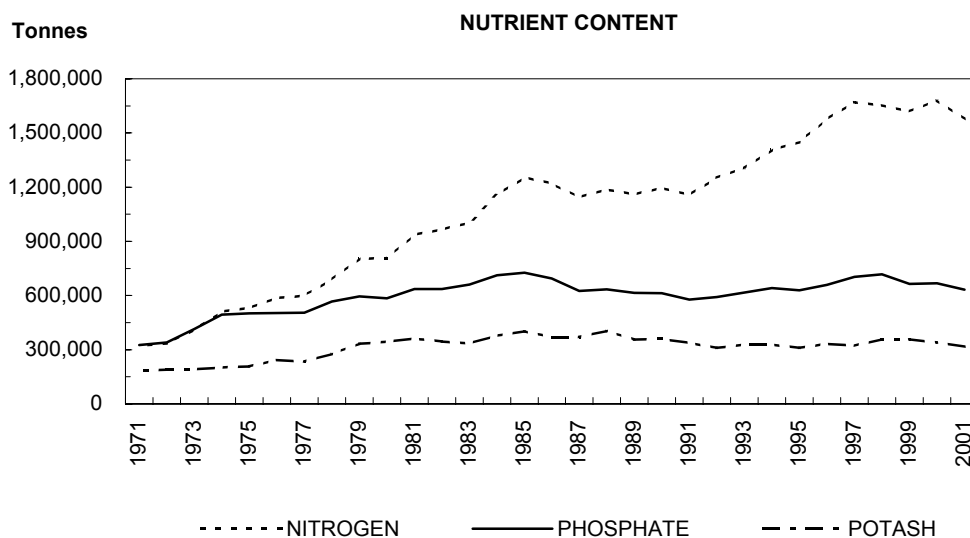


**Table 2.11 Fertilizer Sold and Nutrient Content, Canada**

Year Ending June 30*	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)	All Nutrients (N + P + K)
		(Tonnes)			
2001	5,029,607	1,577,736	632,452	316,535	2,526,723
2000	5,254,305	1,682,072	667,883	339,303	2,689,258
1999	5,181,856	1,619,108	664,422	358,478	2,642,008
1998	5,342,001	1,652,746	717,323	358,134	2,728,202
1997	5,130,207	1,670,634	703,601	322,120	2,696,355
1996	4,829,045	1,576,203	658,417	333,253	2,567,873
1995	4,566,470	1,448,356	628,750	309,899	2,387,005
1994	4,536,882	1,405,925	641,187	328,023	2,375,135
1993	4,217,974	1,305,806	615,862	327,600	2,249,268
1992	4,070,613	1,253,288	592,227	310,225	2,155,740
1991	3,921,614	1,157,763	578,199	337,891	2,073,853
1990	4,104,942	1,196,292	613,577	359,842	2,169,711
1989	4,048,225	1,160,166	614,369	356,142	2,130,677
1988	4,241,298	1,187,653	634,475	404,040	2,226,168
1987	4,062,429	1,144,541	626,259	369,896	2,140,696
1986	4,299,991	1,220,721	695,110	370,201	2,286,032
1985	4,461,823	1,254,411	726,279	401,837	2,382,527
1984	4,243,337	1,157,527	712,707	376,873	2,247,107
1983	3,842,410	1,002,139	661,685	334,339	1,998,163
1982	3,741,710	965,898	636,265	344,985	1,947,148
1981	3,758,339	937,821	635,147	361,123	1,934,091
1980	3,572,363	806,277	584,358	344,362	1,725,174
1979	3,671,482	805,060	595,093	333,227	1,719,005
1978	3,267,048	689,697	566,808	275,757	1,520,719
1977	2,793,181	599,580	504,686	234,241	1,338,507
1976	2,656,444	586,042	502,620	242,058	1,330,720
1975	2,676,728	531,243	501,728	206,797	1,239,768
1974	2,608,624	512,595	494,192	202,022	1,208,809
1973	2,260,781	409,714	415,263	190,693	1,015,670
1972	1,972,122	334,392	340,785	189,050	864,227
1971	1,915,048	323,061	326,361	184,319	833,741

Source: Summation of figures from Tables 2.4 and 2.10.

Note: Beginning 2001, for Quebec, year ending is July 31.



### 3. FERTILIZER SHIPMENT DATA

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The data in this section is provided to the CFI by the following companies:

Agrico Canada Ltd.	Agrium Inc.
Big Quill Resources	Cargill Limited
Ceres-MLTC Fertilizers	CF Industries Inc.
Cooperative Federée du Québec	GROWMARK Agronomy
Hydro Agri Canada Ltd.	ICEC Canada Ltd.
IMC Agrico Company	IMC Kalium Canada Ltd.
International Raw Materials Ltd.	Nexus Ag Business Inc.
Nitrochem Corp.	Orica Canada Inc.
Pacific Ammonia Inc.	PCS Inc.
Saskferco Products Inc.	Sherritt International
Simplot Canada Limited	Sylvite Inc.
Terra Nitrogen	Westco

All shipment information is compiled and presented by the Canadian Fertilizer Institute.

Beginning in the 1997/98 report, shipments will include imports with shipments by the Canadian fertilizer manufacturers. Shipments tend to represent the original provincial destination of fertilizer once it leaves the manufacturer and do not account for fertilizer which is shipped to other provinces or exported after reaching that destination. Similarly, imports into a particular province does not mean that it will necessarily be consumed in that province, as it may be shipped to another province.

**Table 3.1 Shipments of Fertilizer Material to Domestic Markets<sup>(1)</sup>**

Year Ended June 30, 2001

	Metric Tonnes							
	Atlantic Provinces	Quebec	Ontario	Manitoba	Sask.	Alberta	British Columbia	Canada Total
<b>Nitrogen:</b>								
Urea	13,977	96,901	153,579	195,702	452,702	440,224	36,352	1,389,437
Ammonium Sulphate	14,869	1,590	6,805	61,239	134,152	123,982	11,965	354,602
Ammonium Nitrate	44,298	78,846	121,557	81,624	81,021	76,118	17,304	500,768
Anhydrous Ammonia	2,147	10,500	52,680	161,159	179,608	163,911	9,786	579,791
<b>Phosphates:</b>								
Monoammonium Phosphate	4,536	19,286	107,949	232,544	400,321	263,703	11,486	1,039,825
Diammonium Phosphate	59,109	63,625	25,600	402	1,200		1,361	151,297
<b>Potash:</b>								
Muriate of Potash	55,999	97,801	195,368	78,413	54,858	90,843	12,368	585,650
Other Fertilizer Materials <sup>(2)</sup>	1,422	10,958	41,799	46,175	52,622	36,699	10,295	199,970
<b>TOTAL</b>	<b>196,357</b>	<b>379,507</b>	<b>705,337</b>	<b>857,258</b>	<b>1,356,484</b>	<b>1,195,480</b>	<b>110,917</b>	<b>4,801,340</b>

**Table 3.2 Shipments of Fertilizer Material to Export Markets**

Year Ended June 30, 2001

	Canada Total	Metric Tonnes		Total Shipments <sup>(3)</sup>
		U.S.A.	Offshore	
<b>Nitrogen:</b>				
Urea	1,389,437	1,534,609	163,643	3,087,689
Ammonium Sulphate	354,602	89,971	55,178	499,751
Ammonium Nitrate	500,768	441,068	225	942,061
Anhydrous Ammonia	579,791	590,176	70,557	1,240,524
<b>Phosphates:</b>				
Monoammonium Phosphate	1,039,825	4,176		1,044,001
Diammonium Phosphate	151,297	1,633		152,930
<b>Potash:</b>				
Muriate of Potash	585,650	7,158,748	5,670,468	13,414,866
Other Fertilizer Materials <sup>(2)</sup>	199,970	12,943		212,913
<b>TOTAL</b>	<b>4,801,340</b>	<b>9,833,324</b>	<b>5,960,071</b>	<b>20,594,735</b>

(1) Includes imports.

(2) Includes phosphate and sulphur solutions, mixed fertilizer materials and elemental sulphur and sulphate fertilizers not elsewhere shown.

(3) Agricultural shipments only. Statistics Canada uses total shipments including industrial.

Source: Canadian Fertilizer Institute

## 4. FERTILIZER TRADE

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Fertilizer trade data are compiled by province of entry or exit by Statistics Canada. These data do not represent the province of origin of exports nor the province in which imports were ultimately utilized. They simply reflect the point at which the fertilizer crossed the international border. As very little traded fertilizer is actually transported between Eastern and Western Canada, exports which are observed to have occurred from one region will have originated there and imports entering that region will be consumed there<sup>2</sup>. Trade Statistics will therefore be relatively accurate on a regional basis (Table 4.1).

It should be noted that there are some discrepancies between these export figures and those in the shipment data of the previous section. Some of this is due to the fact that not all companies report their exports when submitting shipment information to the Canadian Fertilizer Institute (Table 3.1). Other discrepancies in export data have been attributed to differences in the fertilizer year in which certain exports were assumed to have taken place. In addition, some of the Statistics Canada trade statistics include urea and ammonium nitrate which are used industrially, while those recorded for the Canadian Fertilizer Institute only include the volume considered to be fertilizer grade.

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<sup>2</sup>The principal exception to this is potash exports shipped out through Thunder Bay, Ontario. For the purposes of the following tables, potash which shows the province of export to be Ontario will be assumed to originate in western Canada.

**Table 4.1 Fertilizer Trade by Region and All Canada**

Year Ended June 30, 2001

	Exports			Imports		
	East	West	Total	East	West	Total
<b>Tonnes</b>						
<b>Nitrogen:</b>						
Urea	131,698	1,692,322	1,824,020	476,929	33,089	510,018
Ammonium Sulphate	443	307,942	308,385	16,619	35,088	51,707
Ammonium Nitrate	84,020	383,775	467,795	96,279	51	96,330
Anhydrous Ammonia	116,289	731,116	847,405	29,681	12,253	41,934
Nitrogen Solutions	167,803	71,353	239,156	59,553	1,493	61,046
<b>Phosphate:</b>						
Monoammonium Phosphate	290		290	241,014	509,587	750,601
Diammonium Phosphate	128	2	130	85,568	967	86,535
Triple Superphosphate	6	1,472	1,478	6,450	614	7,064
Normal Superphosphate				7,456	23	7,479
Other Phosphate	179	6,546	6,725	3,099	4,727	7,826
<b>Potash:</b>						
Muriate of Potash	672,969	13,561,667 <sup>(1)</sup>	14,234,636	5,834	160	5,994
Potassium Sulphate	1,057	15,750	16,807	589	279	868
Potassium Magnesium Sulphate				51,192	3,417	54,609
Prepared Mixtures	39,535	5,502	45,037	14,435	8,884	23,319
Other Fertilizer Materials <sup>(2)</sup>	17,174	25,477	42,651	172,952	45,521	218,473
<b>TOTAL</b>	<b>1,231,591</b>	<b>16,802,924</b>	<b>18,034,515</b>	<b>1,267,650</b>	<b>656,153</b>	<b>1,923,803</b>

(1) Includes exports from Ontario, as most of these exports are Saskatchewan potash shipped through Thunder Bay.

(2) Includes natural phosphate and sulphur fertilizers.

Source: Statistics Canada

**Table 4.2 Net Fertilizer Trade by Region and All Canada**

Year Ended June 30, 2001

	Net Exports			Net Imports		
	East	West	Total	East	West	Total
<b>Tonnes</b>						
<b>Nitrogen:</b>						
Urea	--	1,659,233	1,314,002	345,231	--	--
Ammonium Sulphate	--	272,854	256,678	16,176	--	--
Ammonium Nitrate	--	383,724	371,465	12,259	--	--
Anhydrous Ammonia	86,608	718,863	805,471	--	--	--
Nitrogen Solutions	108,250	69,860	178,110	--	--	--
<b>Phosphate:</b>						
Monoammonium Phosphate	--	--	--	240,724	509,587	750,311
Diammonium Phosphate	--	--	--	85,440	967	84,473
Triple Superphosphate	--	858	--	6,444	--	5,586
Normal Superphosphate	--	--	--	7,456	23	7,479
Other Phosphate	--	1,819	--	2,920	--	1,101
<b>Potash:</b>						
Muriate of Potash	667,135	13,561,507	14,228,642	--	--	--
Potassium Sulphate	468	15,471	15,939	--	--	--
Potassium Magnesium Sulphate	--	--	--	51,192	3,417	54,609
Prepared Mixtures	25,100	--	21,718	--	3,382	--
Other Fertilizer Materials	--	--	--	155,778	20,044	175,822
<b>TOTAL</b>	<b>887,561</b>	<b>16,684,189</b>	<b>17,192,025</b>			

Source: Statistics Canada

## **5. FARM EXPENDITURES ON FERTILIZER**

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Farm expenditures on fertilizer are currently estimated by Statistics Canada employing the National Farm Survey and taxfiler data. Prior to the introduction of the National Farm Survey in 1983, the Agricultural Enumerative Survey and the Farm Enumerative Surveys were the chief sources of information. Before these surveys were introduced in the mid-1970's, consumption estimates were based on information from the Agricultural Census with appropriate adjustments for year-to-year variation in consumption.

The indices of fertilizer prices are from Statistics Canada's Farm Input Price Index. These indices are based on 1992=100 and show the trend in fertilizer price. They are a simple average of the quarterly indices from July to June.

**Table 5.1 Total Farm Expenditures on Fertilizer and Lime <sup>(1)</sup>  
Atlantic Provinces**

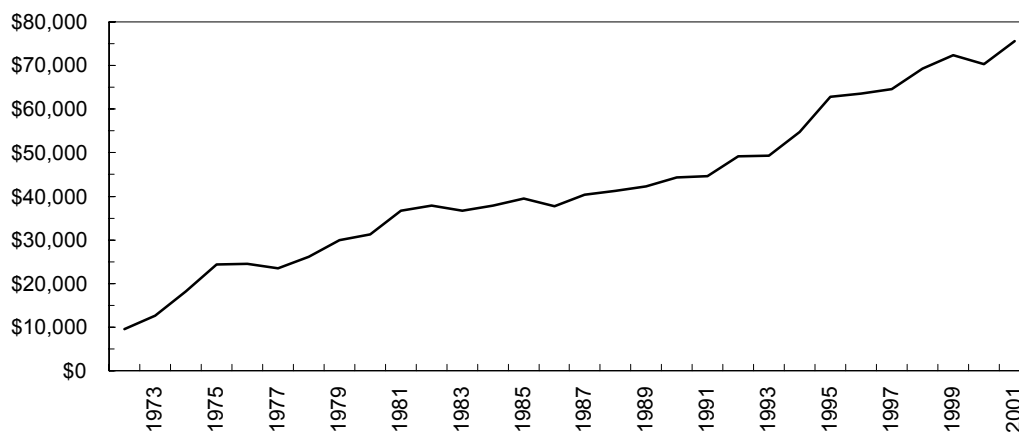
Calendar Year	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Atlantic Provinces
(\$'000)					
2001	1,689	40,176	12,048	21,689	75,602
2000	1,592	37,131	11,585	20,045	70,353
1999	1,641	38,678	11,573	20,454	72,346
1998	1,710	36,489	11,203	19,858	69,260
1997	1,598	34,102	10,877	18,053	64,630
1996	1,535	33,760	10,871	17,426	63,592
1995	1,435	32,965	10,998	17,454	62,852
1994	1,472	28,510	9,729	15,044	54,755
1993	1,338	22,786	10,038	15,126	49,288
1992	1,344	22,976	10,457	14,437	49,214
1991	1,390	20,938	9,442	12,916	44,686
1990	1,251	19,406	9,333	14,391	44,381
1989	1,401	18,593	8,685	13,556	42,235
1988	1,363	17,533	8,965	13,331	41,192
1987	1,232	17,569	8,726	12,847	40,374
1986	1,028	16,694	7,935	12,110	37,767
1985	971	17,882	8,236	12,398	39,487
1984	992	16,759	8,093	12,072	37,916
1983	945	16,005	7,482	12,299	36,731
1982	996	16,561	7,675	12,571	37,803
1981	1,010	16,096	7,614	11,988	36,708
1980	868	13,731	6,273	10,391	31,263
1979	501	12,606	6,802	10,080	29,989
1978	485	11,383	5,675	8,657	26,200
1977	485	9,449	5,386	8,126	23,446
1976	425	9,522	6,381	8,143	24,471
1975	425	9,429	6,259	8,249	24,362
1974	336	7,144	4,424	6,243	18,147
1973	247	4,679	3,564	4,138	12,628
1972	243	3,446	2,672	3,234	9,595

(1) Includes all costs associated with the purchase of fertilizer and, where applicable, fertilizer application.

(2) Forecast

Source: Statistics Canada. "Agriculture Economic Statistics", (Catalogue No. 21-603)

**ATLANTIC PROVINCES**





**Table 5.2 Total Farm Expenditures on Fertilizer and Lime <sup>(1)</sup>  
Central Canada**

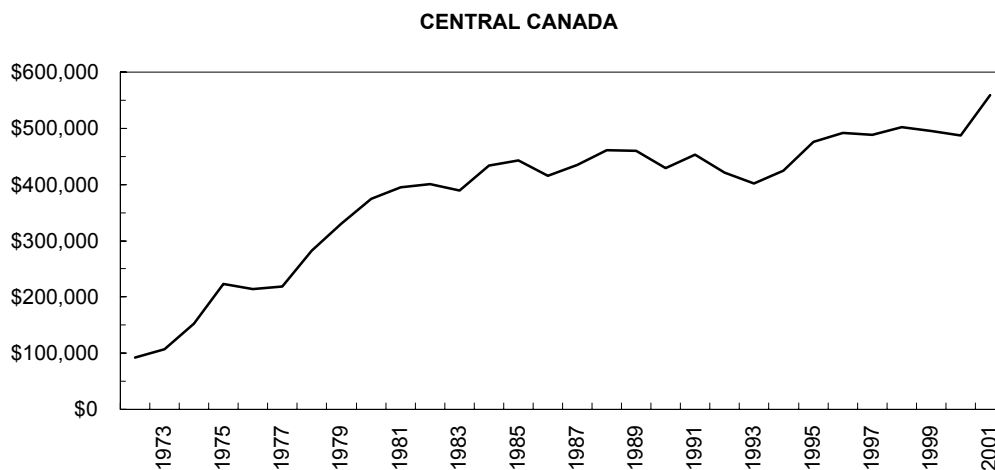
Calendar Year	Quebec	Ontario	Central Canada <sup>(2)</sup>	Eastern Canada
(\$'000)				
2001	225,656	323,381	559,031	634,633
2000	201,479	280,226	487,382	557,735
1999	203,514	291,598	495,112	567,458
1998	207,667	294,544	502,211	571,471
1997	205,611	283,215	488,826	553,456
1996	202,976	288,821	491,797	555,389
1995	181,229	294,715	475,944	538,796
1994	161,858	262,311	424,169	478,924
1993	160,684	241,474	402,158	451,446
1992	174,613	246,523	421,136	470,350
1991	170,293	283,043	453,336	498,022
1990	154,475	274,373	428,848	473,229
1989	161,722	298,658	460,380	502,615
1988	157,270	303,384	460,654	501,846
1987	153,043	281,668	434,711	475,085
1986	147,980	267,826	415,806	453,573
1985	149,554	293,312	442,866	482,353
1984	145,664	287,633	433,297	471,213
1983	140,575	248,315	388,890	425,621
1982	134,141	267,016	401,157	438,960
1981	130,938	264,073	395,011	431,719
1980	117,873	256,481	374,354	405,617
1979	107,735	222,715	330,450	360,439
1978	90,614	191,410	282,024	308,224
1977	66,048	152,322	218,370	241,816
1976	66,212	147,664	213,876	238,347
1975	63,354	160,046	223,400	247,762
1974	45,225	107,715	152,940	171,087
1973	30,574	76,485	107,059	119,687
1972	27,859	64,344	92,203	101,798

(1) Includes all costs associated with the purchase of fertilizer and, where applicable fertilizer application.

(2) Quebec and Ontario

(3) Forecast

Source: Statistics Canada. "Agriculture Economic Statistics", (Catalogue No. 21-603)



**Table 5.3 Total Farm Expenditures on Fertilizer and Lime <sup>(1)</sup>  
Western Canada and Canada Total**

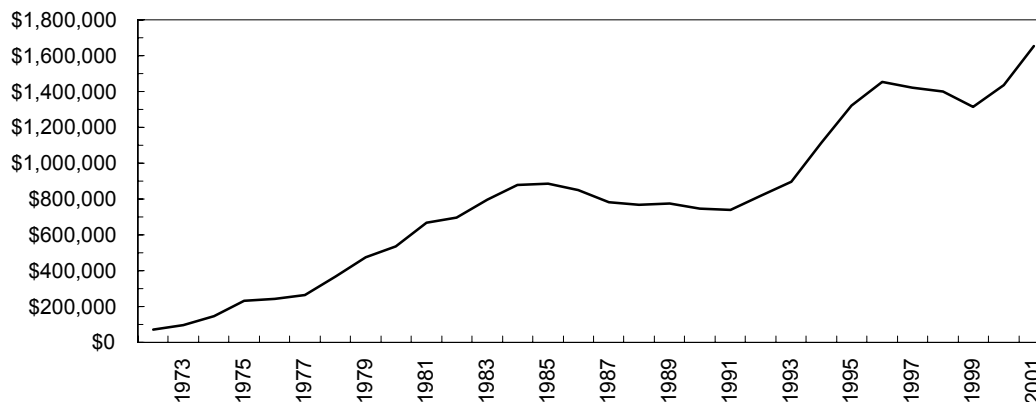
Calendar Year	Manitoba	Saskatchewan	Alberta	British Columbia	Western Canada	Total Canada
(\$'000)						
2001	360,800	670,390	559,899	62,233	1,653,322	2,282,706
2000	315,385	557,265	516,036	47,470	1,436,156	1,993,891
1999	294,202	493,592	481,826	44,995	1,314,615	1,882,073
1998	323,299	548,435	486,693	43,074	1,401,501	1,972,972
1997	326,565	577,300	477,150	41,417	1,422,432	1,975,888
1996	320,156	577,294	513,062	41,743	1,452,255	2,007,644
1995	302,034	510,879	466,420	41,330	1,320,663	1,859,459
1994	273,361	397,418	404,855	40,142	1,115,776	1,594,700
1993	225,918	302,130	331,613	36,261	895,922	1,347,368
1992	203,554	277,052	302,421	35,875	818,902	1,289,252
1991	191,114	249,360	262,379	37,114	739,967	1,237,989
1990	186,594	247,116	274,108	39,394	747,212	1,220,441
1989	183,307	263,427	290,624	37,029	774,387	1,277,002
1988	197,141	269,106	266,985	34,058	767,290	1,269,136
1987	188,943	300,224	258,167	35,313	782,647	1,257,732
1986	199,373	323,463	291,948	35,407	850,191	1,303,764
1985	219,153	310,925	319,018	36,529	885,625	1,367,978
1984	211,073	299,510	336,070	30,627	877,280	1,348,493
1983	188,069	266,705	315,028	27,790	797,592	1,223,213
1982	167,540	212,853	288,387	27,473	696,253	1,135,213
1981	162,959	198,928	280,275	25,050	667,212	1,098,931
1980	145,361	166,100	202,906	21,939	536,306	941,923
1979	133,540	142,914	179,205	19,300	474,959	835,398
1978	101,402	101,575	142,352	21,678	367,007	675,231
1977	73,516	61,619	114,696	14,657	264,488	506,304
1976	65,274	56,590	107,156	14,402	243,422	481,769
1975	59,390	56,754	99,654	15,330	231,128	478,890
1974	36,732	35,081	63,663	9,880	145,356	316,443
1973	26,708	22,143	42,584	6,186	97,621	217,308
1972	18,903	14,587	33,330	5,996	72,816	174,614

(1) Includes all costs associated with the purchase of fertilizer and, where applicable fertilizer application.

(2) Forecast

Source: Statistics Canada. "Agriculture Economic Statistics", (Catalogue No. 21-603)

**WESTERN CANADA**



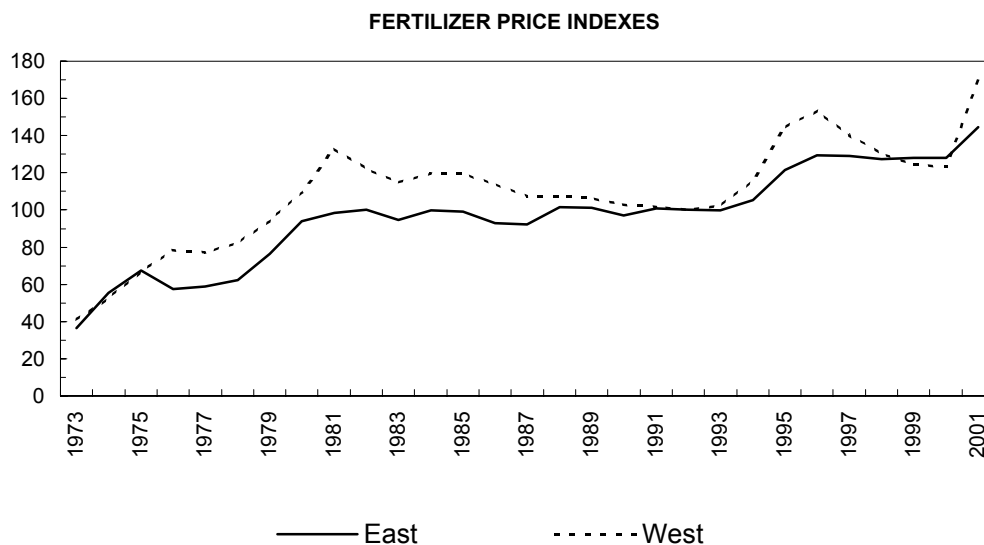
**Table 5.4 Fertilizer Price Indices <sup>(1)</sup>**

Calendar Year	EAST	WEST	CANADA
2001	144.5	169.2	159.8
2000	127.9	123.1	125.1
1999	127.9	124.1	125.5
1998	127.4	130.6	128.7
1997	128.9	140.5	135.9
1996	129.5	153.5	144.0
1995	121.4	144.5	135.3
1994	105.3	115.9	111.7
1993	99.9	102.2	101.3
1992	100.0	100.0	100.0
1991	100.9	101.5	101.3
1990	96.9	102.8	100.4
1989	101.1	106.3	104.2
1988	101.6	107.4	105.1
1987	92.2	107.5	101.5
1986	92.9	113.9	105.6
1985	99.0	119.4	111.4
1984	99.8	119.7	112.0
1983	94.7	114.8	107.0
1982	100.2	122.1	113.5
1981	98.6	132.8	118.6
1980	94.1	109.9	105.6
1979	76.4	94.2	87.7
1978	62.4	82.3	73.8
1977	58.7	77.0	69.2
1976	57.5	78.5	69.1
1975	67.6	66.7	71.0
1974	55.4	52.6	57.3
1973	36.6	41.1	40.3

(1) Quarterly indices discontinued after calendar first quarter 1991  
1992 = 100

\* Forecast

Source: Statistics Canada, "Farm Input Price Index", (Catalogue No. 62-004)



## 6. APPENDIX: ADDRESSES OF DATA SOURCES

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### **Canadian Fertilizer Institute**

Paul Landsbergen  
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350 Sparks Street  
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K1R 7S8

Tel: (613) 230-2600  
Fax: (613) 230-5142  
Website: [www.cfi.ca](http://www.cfi.ca)  
Email: fertilizer@cfi.ca

### **Atlantic Fertilizer Institute**

J.A. Cutcliffe  
21 McMillan Crescent  
Charlottetown, P.E.I.  
C1A 8G3

Tel: (902) 894-9361  
Fax: (902) 894-3894

### **Quebec Fertilizer Manufacturers' Association**

Germain Pelletier  
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Bromont, Quebec  
J2L 1A9

Tel: (450) 534-1515  
Fax: (450) 534-4333  
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### **Ontario Agri Business Association**

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