

**Canadian Fertilizer
Consumption, Shipments and Trade
1997/1998**

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April 1999

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INTRODUCTION

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 fourteenth 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).

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1. CONSUMPTION OF FERTILIZER BY FERTILIZER TYPE

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.

In previous reports, the Potash Phosphate Institute's potash shipments were used for Western Canada, rather than the Canadian Fertilizer Institute's figures. Beginning with this report, CFI's potash retail sales will be used since their quality and reliability have improved and better represent actual retail sales.

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. Starting with this report, the Alberta retail sales will include sales from this region of British Columbia.

Table 1.1 Fertilizer Materials Sold, Atlantic Provinces Year Ended June 30, 1998

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P2O5)	Potash (K2O)
(tonnes)				
Nitrogen:				
Urea	13,678	6,292		
Ammonium Sulphate	3,445	723		
Ammonium Nitrate	35,846	12,188		
Phosphate:				
Diammonium Phosphate	51,600	9,288	23,736	
Triple Superphosphate	1,301		598	
Potash:				
Muriate of Potash	42,113			25,689
Potassium Sulphate	0			0
Potassium Magnesium Sulphate	4,850			1,067
Borate	419			
Other ⁽³⁾	2,404			
TOTAL	155,656	28,491	24,334	26,756

Source: The Atlantic Fertilizer Institute

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

Table 1.2 Fertilizer Materials Sold, Quebec Year Ended June 30, 1998

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P2O5)	Potash (K2O)
(tonnes)				
Nitrogen:				
Urea	93,828	43,161		
Ammonium Sulphate	4,731	994		
Ammonium Nitrate	13,129	4,464		
Anhydrous Ammonia	5,345	4,383		
Nitrogen Solutions	30,144	9,457		
Calcium Nitrate	47,986	7,198		
Phosphate:				
Monoammonium Phosphate	18,874	2,076	9,814	
Diammonium Phosphate	95,047	17,108	43,722	
Single Superphosphate	465		93	
Triple Superphosphate	6,550		3,013	
Potash:				
Muriate of Potash	103,019			62,842
Potassium Sulphate	1,352			676
Potassium Magnesium Sulphate	19,910			4,380
Mixed Fertilizer Materials	12,860	7,623	1,672	642
Other ⁽³⁾	5,998			
TOTAL	459,238	96,464	58,314	68,540

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, 1998

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P205)	Potash (K20)
(tonnes)				
Nitrogen:				
Urea	175,979	80,950		
Ammonium Sulphate	7,837	1,646		
Ammonium Nitrate	21,536	7,322		
Anhydrous Ammonia	26,417	21,662		
Nitrogen Solutions	129,966	36,390		
Calcium Nitrate	1,302	195		
Calcium Ammonium Nitrate	20,865	5,634		
Phosphate:				
Monoammonium Phosphate	98,153	10,797	51,040	
Diammonium Phosphate	39,973	7,195	18,388	
Single Superphosphate	8,272		1,654	
Triple Superphosphate	8,845		4,069	
Potash:				
Muriate of Potash	205,643			125,442
Potassium Sulphate	8,427			4,214
Potassium Magnesium Sulphate	21,919			4,822
Potassium Nitrate	946	132		416
Other ⁽³⁾	26,194	1,680	6,088	1,879
TOTAL	802,274	173,604	81,238	136,773

Source: The Fertilizer Institute of Ontario

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

Table 1.4 Fertilizer Materials Sold, Eastern Canada
Year Ended June 30, 1998

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P205)	Potash (K20)
(tonnes)				
Nitrogen:				
Urea	283,485	130,403		
Ammonium Sulphate	16,013	3,363		
Ammonium Nitrate	70,511	23,974		
Anhydrous Ammonia	31,762	26,045		
Nitrogen Solutions	160,110	45,847		
Calcium Nitrate	49,288	7,393		
Calcium Ammonium Nitrate	20,865	5,634		
Phosphate:				
Monoammonium Phosphate	117,027	12,873	60,854	
Diammonium Phosphate	186,620	33,592	85,845	
Single Superphosphate	8,737		1,747	
Triple Superphosphate	16,696		7,680	
Potash:				
Muriate of Potash	350,775			213,973
Potassium Sulphate	9,779			4,890
Potassium Magnesium Sulphate	46,679			10,269
Potassium Nitrate	946	132		416
Borate	419			
Mixed Fertilizer Materials	12,860	7,623	1,672	642
Other ⁽³⁾	34,596	1,680	6,088	1,879
TOTAL	1,417,168	298,559	163,887	232,069

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, 1998

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P205)	Potash (K20)
(tonnes)				
Nitrogen:				
Urea	241,773	111,216		
Ammonium Sulphate	66,907	14,050		
Ammonium Nitrate	57,356	19,501		
Anhydrous Ammonia	162,508	133,257		
Nitrogen Solutions	80,584	22,564		
Phosphate:				
Monoammonium Phosphate	216,730	23,840	112,700	
Potash:				
Muriate of Potash	67,707			41,301
Potassium Sulphate ⁽¹⁾	73			37
Other Fertilizer Materials ⁽²⁾	72,730	10,588	12,297	315
TOTAL	966,368	335,015	124,997	41,653

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, 1998

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P205)	Potash (K20)
(tonnes)				
Nitrogen:				
Urea	528,893	243,291		
Ammonium Sulphate	120,820	25,372		
Ammonium Nitrate	43,510	14,793		
Anhydrous Ammonia	184,203	151,046		
Nitrogen Solutions	63,439	17,763		
Phosphate:				
Monoammonium Phosphate	410,901	45,199	213,669	
Potash:				
Muriate of Potash	40,000			24,400
Potassium Sulphate ⁽¹⁾	0			
Other Fertilizer Materials ⁽²⁾	159,032	39,498	28,070	658
TOTAL	1,550,798	536,963	241,739	25,058

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, 1998

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P205)	Potash (K20)
(tonnes)				
Nitrogen:				
Urea	464,130	213,500		
Ammonium Sulphate	120,731	25,354		
Ammonium Nitrate	58,464	19,878		
Anhydrous Ammonia	181,554	148,874		
Nitrogen Solutions	52,871	14,804		
Phosphate:				
Monoammonium Phosphate	330,632	36,370	171,929	
Potash:				
Muriate of Potash	88,458			53,959
Potassium Sulphate ⁽¹⁾	49			25
Other Fertilizer Materials ⁽²⁾	53,090	8,975	7,409	992
TOTAL	1,349,979	467,754	179,338	54,976

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, 1998

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P205)	Potash (K20)
(tonnes)				
Nitrogen:				
Urea	1,234,796	568,006		
Ammonium Sulphate	308,458	64,776		
Ammonium Nitrate	159,330	54,172		
Anhydrous Ammonia	528,265	433,177		
Nitrogen Solutions	196,894	55,130		
Phosphate:				
Monoammonium Phosphate	958,263	105,409	498,297	
Potash:				
Muriate of Potash	196,165			119,661
Potassium Sulphate ⁽¹⁾	122			61
Other Fertilizer Materials ⁽²⁾	284,852	59,061	47,776	
TOTAL	3,867,145	1,339,732	546,073	119,722

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, 1998

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P205)	Potash (K20)
(tonnes)				
Nitrogen:				
Urea	18,395	8,462		
Ammonium Sulphate	7,087	1,488		
Ammonium Nitrate	3,527	1,199		
Anhydrous Ammonia	0	0		
Nitrogen Solution	756	212		
Phosphate:				
Monoammonium Phosphate	11,377	1,251	5,916	
Potash:				
Muriate of Potash	5,987			3,652
Potassium Sulphate ⁽¹⁾	1,078			539
Other Fertilizer Materials ⁽²⁾	9,481	1,843	1,447	187
TOTAL	57,688	14,455	7,363	4,378

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, 1998

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P205)	Potash (K20)
(tonnes)				
Nitrogen:				
Urea	1,253,191	576,468		
Ammonium Sulphate	315,545	66,264		
Ammonium Nitrate	162,857	55,371		
Anhydrous Ammonia	528,265	433,177		
Nitrogen Solutions	197,650	55,342		
Phosphate:				
Monoammonium Phosphate	969,640	106,660	504,213	
Potash:				
Muriate of Potash	202,152			123,313
Potassium Sulphate ⁽¹⁾	1,200			600
Other Fertilizer Materials ⁽²⁾	294,333	60,904	49,223	187
TOTAL	3,924,833	1,354,187	553,436	124,100

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, 1998

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P2O5)	Potash (K2O)
(tonnes)				
Nitrogen:				
Urea	1,536,676	706,871		
Ammonium Sulphate	331,558	69,627		
Ammonium Nitrate	233,368	79,345		
Anhydrous Ammonia	560,027	459,222		
Nitrogen Solutions	357,760	101,189		
Calcium Nitrate	49,288	7,393		
Calcium Ammonium Nitrate	20,865	5,634		
Phosphate:				
Monoammonium Phosphate	1,086,667	119,533	565,067	
Diammonium Phosphate	186,620	33,592	85,845	
Single Superphosphate	8,737		1,747	
Triple Superphosphate	16,696		7,680	
Potash:				
Muriate of Potash	552,927			337,285
Potassium Sulphate	10,979			5,490
Potassium Magnesium Sulphate	46,679			10,269
Potassium Nitrate	946	132		416
Borate	419			
Mixed Fertilizer Materials	12,860	7,623	1,672	642
Other Fertilizer Materials	294,333	60,904	49,223	187
Other ⁽³⁾	34,596	1,680	6,088	1,879
TOTAL - ALL CANADA	5,342,001	1,652,746	717,323	356,169

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

NOTES FOR TABLES 1.1 to 1.11

- (1) Potassium sulphate figures are derived from shipments reported by the Potash and Phosphate Institute for tables 1.5 to 1.10.
- (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.
- (3) AOther@, largely micronutrients.

2. HISTORICAL CONSUMPTION DATA BY NUTRIENT EQUIVALENT

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 consumption¹. 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.

¹Statistics 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 (P2O5)	Potash (K2O)	All Nutrients (N + P + K)
(tonnes)					
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
1970	160,826	15,685	25,195	23,896	64,776
1969	158,894	14,959	24,611	22,649	62,219
1968	155,038	11,903	22,998	21,209	56,110

Source: (1968-1977) Statistics Canada "Fertilizer Trade", (Catalogue No. 46-207)
 (1978-1998) Atlantic Fertilizer Institute.

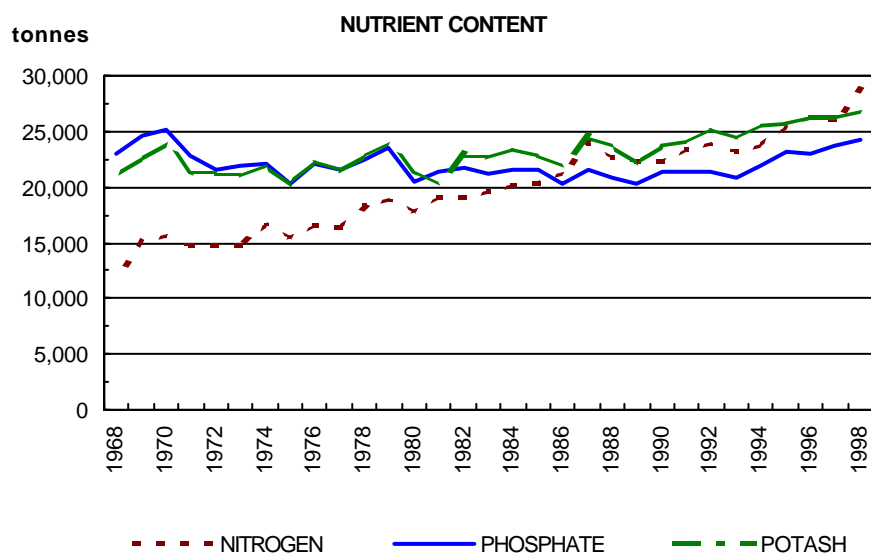


Table 2.2 Fertilizer Sold and Nutrient Content, Québec

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P ₂ O ₅)	Potash (K ₂ O)	All Nutrients (N + P + K)
(tonnes)					
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
1970	278,572	22,050	39,143	41,409	102,602
1969	271,977	19,725	37,981	39,812	97,518
1968	252,122	17,873	35,251	36,378	89,502

Source: (1968-1977) Statistics Canada "Fertilizer Trade", (Catalogue No. 46-207)
 (1978-1998) Quebec Fertilizer Manufacturers' Association.

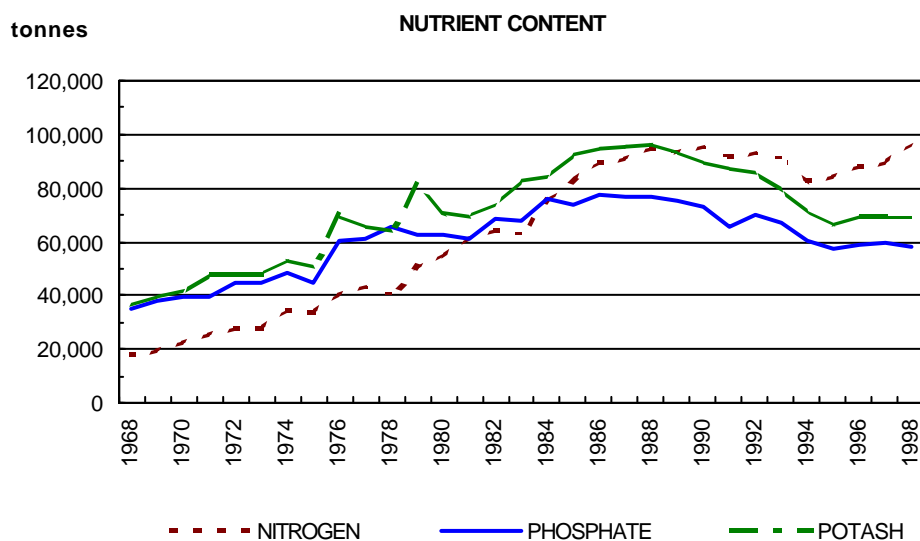


Table 2.3 Fertilizer Sold and Nutrient Content, Ontario

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P ₂ O ₅)	Potash (K ₂ O)	All Nutrients (N + P + K)
(tonnes)					
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
1970	781,692	122,402	113,309	102,838	338,549
1969	711,233	89,774	107,596	100,417	297,787
1968	758,048	98,440	109,772	101,390	309,602

Source: (1968-1977) Statistics Canada, "Fertilizer Trade", (Catalogue No. 46-207)
 (1978-1998) The Fertilizer Institute of Ontario.

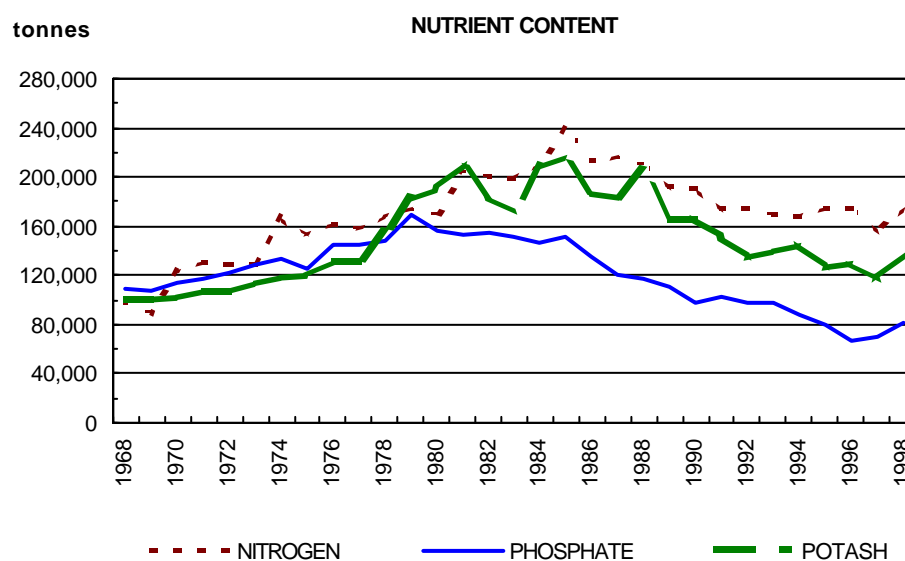


Table 2.4 Fertilizer Sold and Nutrient Content, Eastern Canada

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P2O5)	Potash (K2O)	All Nutrients (N + P + K)
(tonnes)					
1998	1,417,168	298,559	163,887	232,069	694,514
1997	1,294,072	271,316	153,797	213,221	638,334
1996	1,351,820	288,321	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	279,239	779,491
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	1,688,383	331,068	218,621	303,101	852,790
1986	1,700,918	324,516	233,259	303,093	860,868
1985	1,786,962	339,153	245,346	329,620	914,119
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	264,400	235,400	299,600	799,400
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	1,619,900	225,800	237,000	240,900	703,700
1977	1,491,379	217,193	226,800	218,538	662,531
1976	1,482,100	218,297	227,505	224,150	669,952
1975	1,362,040	201,884	191,270	191,338	584,492
1974	1,403,634	216,708	204,400	193,015	614,123
1973	1,302,915	170,370	195,189	183,547	549,106
1972	1,271,080	171,127	187,277	176,758	535,162
1971	1,260,278	170,847	179,849	175,727	526,423
1970	1,220,875	160,137	177,647	168,143	505,927
1969	1,141,905	124,458	170,188	162,878	457,524
1968	1,165,003	128,216	168,021	158,977	455,214

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

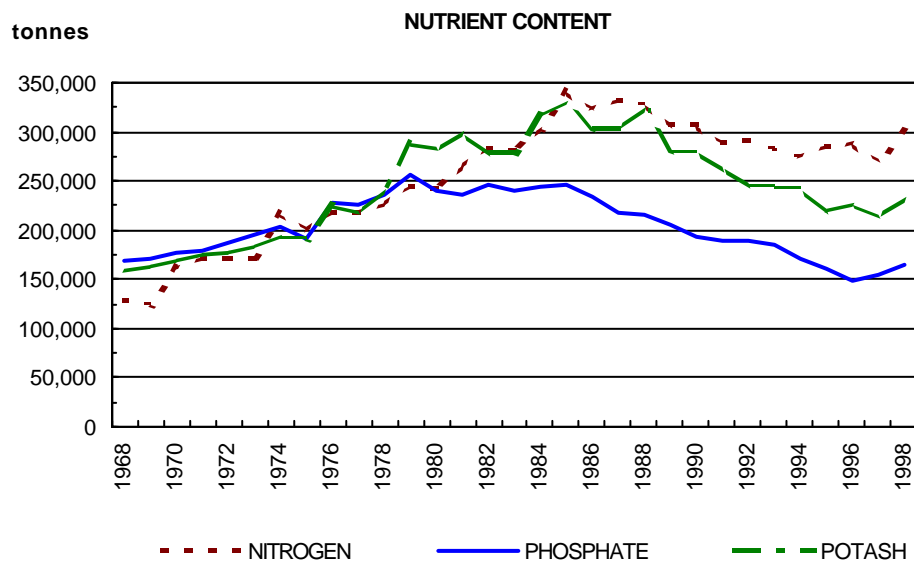


Table 2.5 Fertilizer Sold and Nutrient Content, Manitoba

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P2O5)	Potash (K2O)	All Nutrients (N + P + K)
(tonnes)					
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
1970	120,336	30,256	28,644	1,412	60,312
1969	128,097	30,196	26,821	1,192	58,209
1968	219,776	52,083	48,642	1,416	102,141

Source: (1968-1977) Statistics Canada, "Fertilizer Trade", (Catalogue No. 46-207)
 (1978-1998) Canadian Fertilizer Institute and the Potash and Phosphate Institute.

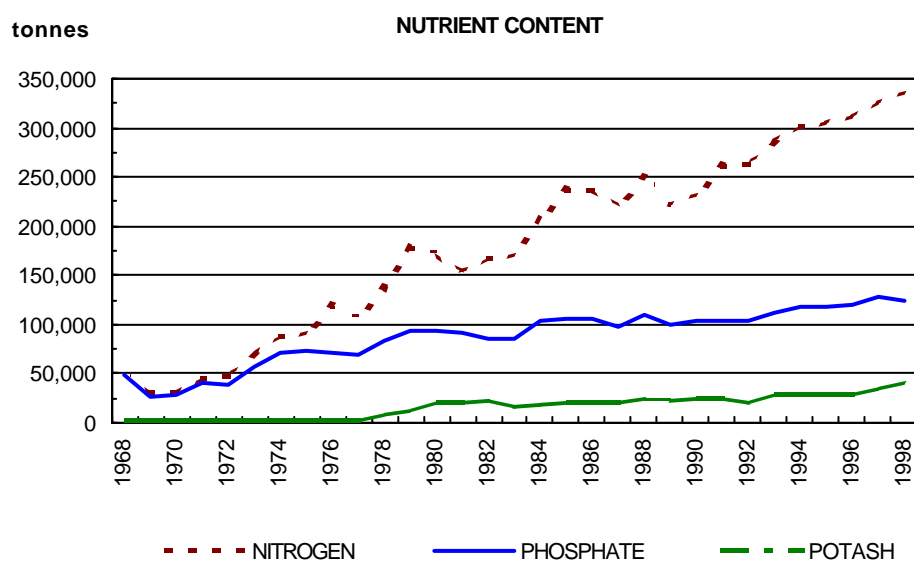


Table 2.6 Fertilizer Sold and Nutrient Content, Saskatchewan

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P ₂ O ₅)	Potash (K ₂ O)	All Nutrients (N + P + K)
(tonnes)					
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
1970	57,878	10,052	20,423	128	30,603
1969	118,895	18,733	45,024	155	63,912
1968	243,280	40,491	87,903	628	129,022

Source: (1968-1977) Statistics Canada, "Fertilizer Trade", (Catalogue No. 46-207)
 (1978-1998) Canadian Fertilizer Institute and the Potash and Phosphate Institute.

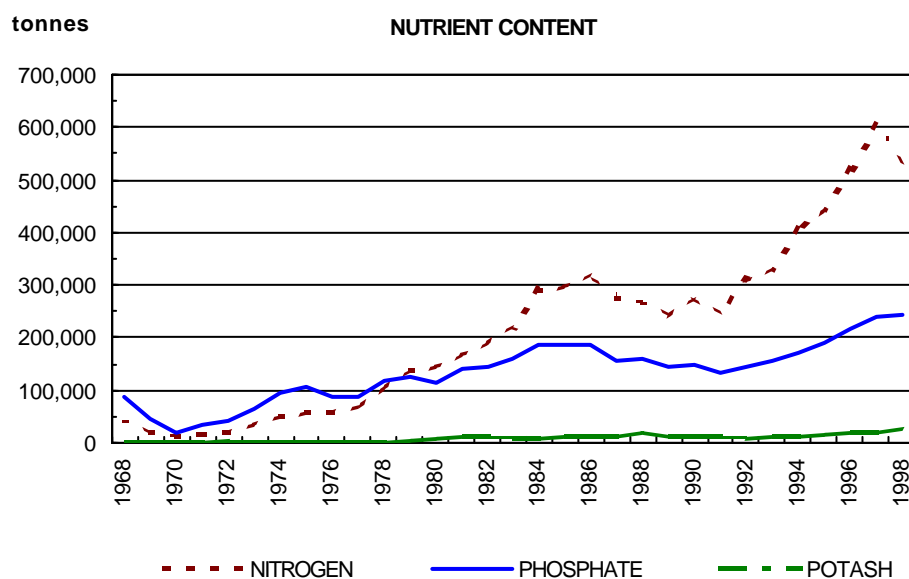


Table 2.7 Fertilizer Sold and Nutrient Content, Alberta

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P2O5)	Potash (K2O)	All Nutrients (N + P + K)
(tonnes)					
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
1970	240,457	58,651	46,382	1,292	106,325
1969	281,912	70,582	65,504	863	136,949
1968	401,778	91,426	87,202	1,372	180,000

Source: (1968-1977) Statistics Canada, "Fertilizer Trade", (Catalogue No. 46-207)
 (1978-1998) Canadian Fertilizer Institute and the Potash and Phosphate Institute.
 Includes northern B.C. beginning 1998.

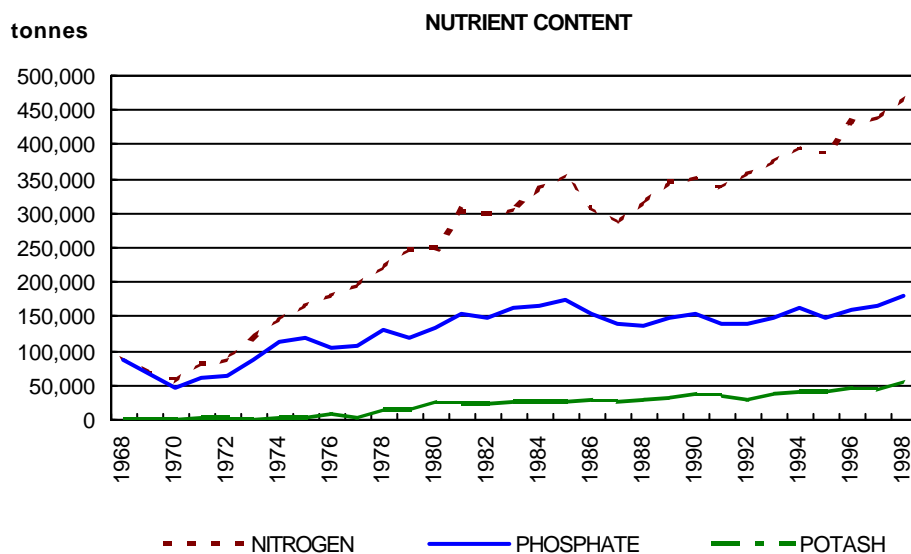


Table 2.8 Fertilizer Sold and Nutrient Content, Prairies

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P2O5)	Potash (K2O)	All Nutrients (N + P + K)
(tonnes)					
1998	3,867,145	1,339,732	546,073	119,722	2,005,527
1997	3,717,483	1,364,956	535,934	96,506	1,997,396
1996	3,365,612	1,260,959	498,192	90,809	1,849,960
1995	3,128,763	1,137,270	456,841	84,330	1,678,441
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	55,686	1,091,250
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
1970	418,671	98,959	95,449	2,832	197,240
1969	528,904	119,511	137,349	2,210	259,070
1968	864,834	184,000	223,747	3,416	411,163

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

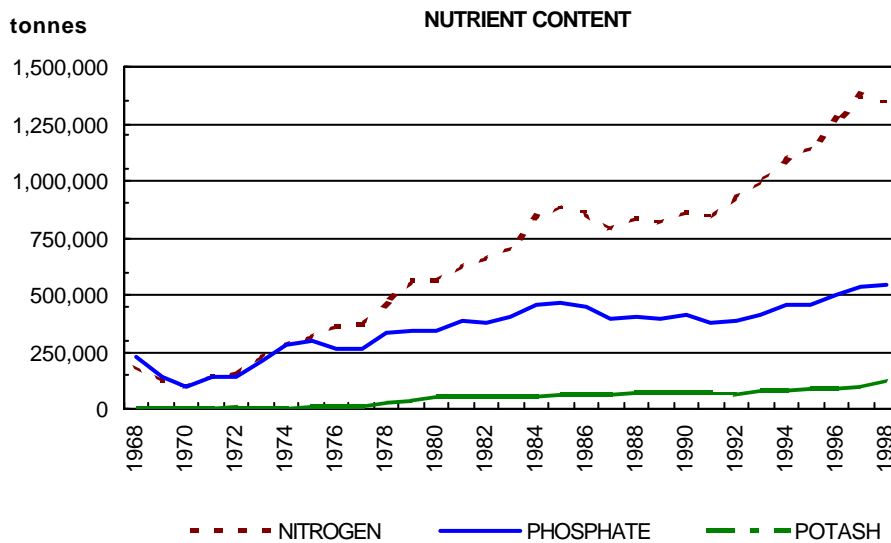


Table 2.9 Fertilizer Sold and Nutrient Content, British Columbia

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P2O5)	Potash (K2O)	All Nutrients (N + P + K)
(tonnes)					
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
1970	54,426	8,590	7,511	3,624	19,725
1969	50,487	7,849	7,700	3,205	18,754
1968	49,846	7,151	7,424	3,679	18,254

Source: (1968-1977) Statistics Canada, "Fertilizer Trade", (Catalogue No. 46-207)
 (1978-1998) Canadian Fertilizer Institute and the Potash and Phosphate Institute.
 Does not include northern B.C. beginning 1998.

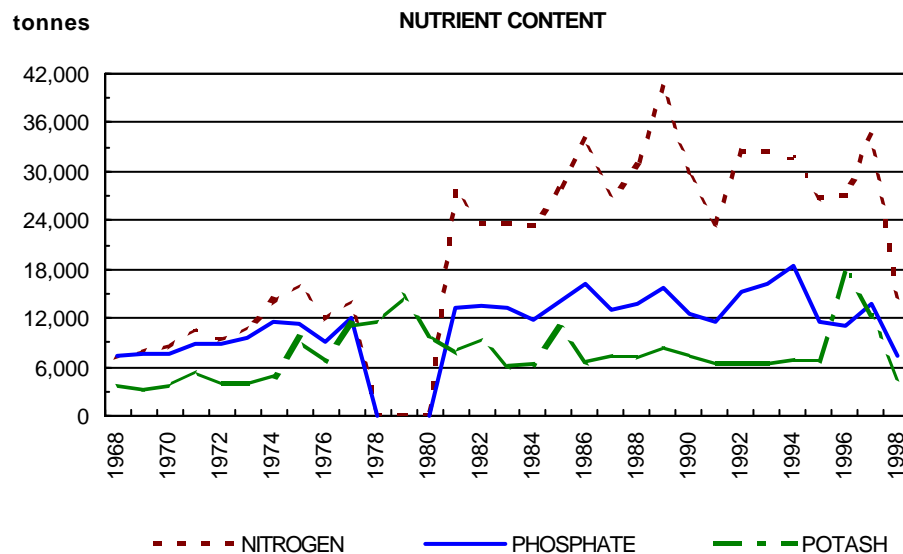


Table 2.10 Fertilizer Sold and Nutrient Content, Western Canada

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P2O5)	Potash (K2O)	All Nutrients (N + P + K)
(tonnes)					
1998	3,924,833	1,354,187	553,436	124,100	2,031,723
1997	3,836,135	1,399,318	549,806	108,898	2,058,022
1996	3,477,225	1,287,881	509,136	108,243	1,905,260
1995	3,223,408	1,164,004	468,345	90,844	1,723,193
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	80,605	1,390,222
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	2,380,273	813,473	407,638	66,789	1,287,900
1986	2,599,073	896,205	461,851	67,108	1,425,164
1985	2,647,675	913,378	478,941	70,097	1,462,416
1984	2,475,340	853,700	468,200	60,459	1,382,360
1983	2,229,910	721,000	411,200	59,601	1,191,800
1982	2,091,310	682,100	390,600	63,818	1,136,520
1981	2,054,940	651,800	399,700	63,696	1,115,200
1980	1,900,960	589,500	387,500	66,014	1,043,014
1979	1,909,980	591,100	374,500	42,795	1,008,395
1978	1,647,350	529,500	356,600	31,716	917,816
1977	1,337,380	381,900	275,900	15,711	673,511
1976	1,298,290	367,745	275,115	17,908	660,768
1975	1,314,450	329,359	310,458	15,459	655,280
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	8,593	307,321
1970	473,097	107,549	102,960	6,456	216,965
1969	579,391	127,360	145,049	5,415	277,824
1968	914,680	191,151	231,171	7,095	429,420

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

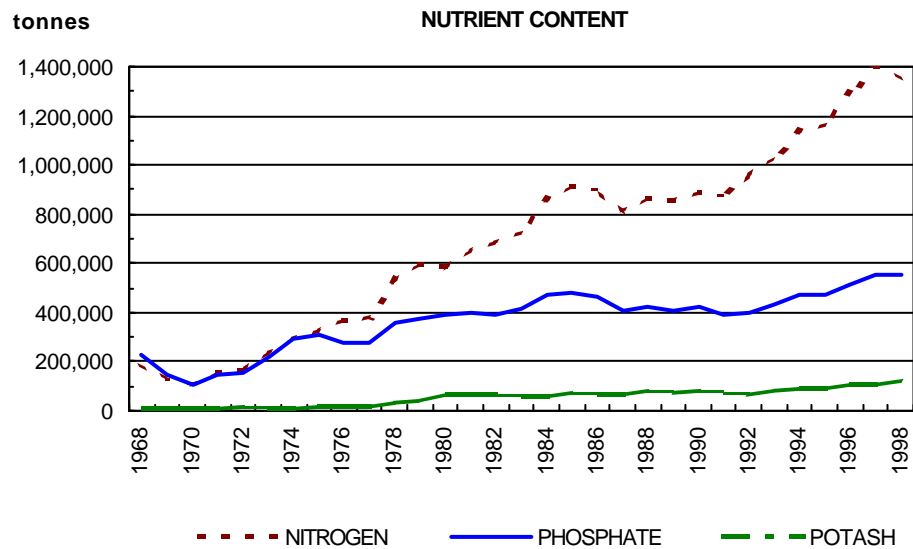
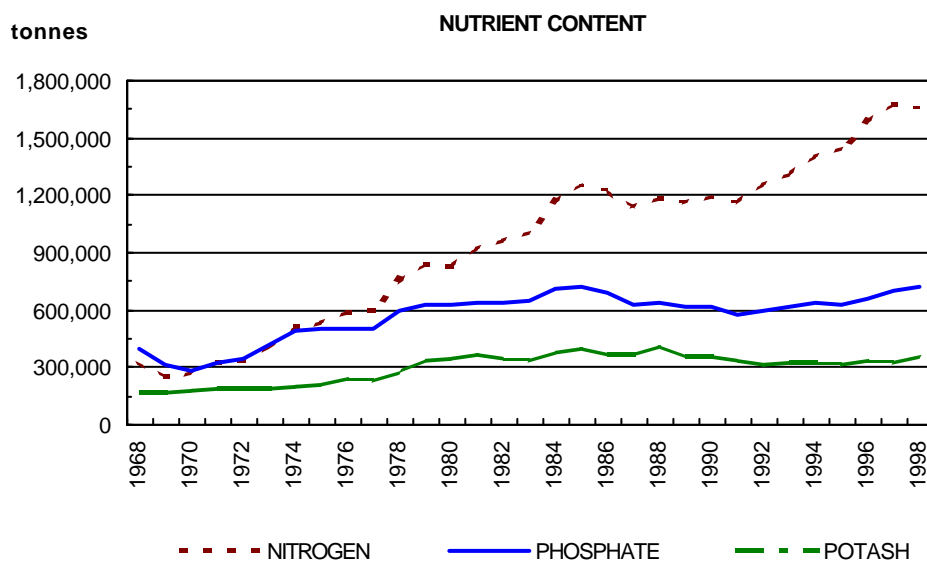


Table 2.11 Fertilizer Sold and Nutrient Content, Canada

Year Ending June 30	Total Fertilizer Sold	Nutrient Content			
		Nitrogen (N)	Phosphate (P ₂ O ₅)	Potash (K ₂ O)	All Nutrients (N + P + K)
(tonnes)					
1998	5,342,001	1,652,746	717,323	356,169	2,726,237
1997	5,130,207	1,670,634	703,603	322,119	2,696,356
1996	4,829,045	1,576,201	658,416	333,253	2,567,870
1995	4,556,470	1,448,356	628,450	309,899	2,386,705
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	4,101,942	1,196,292	613,577	359,843	2,169,712
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	4,068,656	1,144,541	626,259	369,890	2,140,690
1986	4,229,991	1,220,721	695,110	370,201	2,286,032
1985	4,434,637	1,252,531	724,287	399,717	2,376,535
1984	4,243,340	1,157,500	712,700	376,659	2,246,859
1983	3,842,410	1,001,900	651,700	337,701	1,991,301
1982	3,741,710	965,900	636,300	343,518	1,945,718
1981	3,758,340	916,200	635,100	363,296	1,914,596
1980	3,572,360	831,100	627,700	348,914	1,807,714
1979	3,671,480	834,400	630,000	330,395	1,794,795
1978	3,267,250	755,300	593,600	272,616	1,621,516
1977	2,828,759	599,093	502,700	234,249	1,336,042
1976	2,780,390	586,042	502,620	242,058	1,330,720
1975	2,676,490	531,243	501,728	206,797	1,239,768
1974	2,608,371	512,595	494,192	202,022	1,208,809
1973	2,260,546	409,714	415,263	190,693	1,015,670
1972	1,971,893	334,392	340,785	189,050	864,227
1971	1,914,822	323,061	326,363	184,320	833,744
1970	1,693,972	267,686	280,607	174,599	722,892
1969	1,721,296	251,818	315,237	168,293	735,348
1968	2,079,683	319,367	399,192	166,072	884,631

Source: Summation of figures from Tables 2.4 and 2.10.



3. FERTILIZER SHIPMENT DATA

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

Agrico Canada Ltd.	Agrium Inc.
Cargill Ltd.	CF Industries Inc.
Cooperative Federée du Québec	Cominco Ltd.
Dakota Gasification Company	Hydro Agri Canada Ltd.
ICEC Canada Ltd.	IMC Agrico Company
IMC Kalium Canada Ltd.	International Raw Materials Ltd.
Mark II Agronomy	Orica Canada Inc.
Pacific Ammonia Inc.	PCS Inc.
P.S.C. Alsask Inc.	Saskferco Products Inc.
Sherritt International	Simplot Canada Limited
Sylvite Inc.	Terra International (Canada) Inc.
Western Co-Op. Fert. Limited	

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

Beginning in this 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 ⁽¹⁾

Year Ended June 30, 1998

	Metric Tonnes							
	Atlantic Provinces	Quebec	Ontario	Manitoba	Sask.	Alberta	British Columbia	Canada Total
Nitrogen:								
Urea	17,859	122,477	153,694	260,272	532,913	432,709	46,455	1,566,379
Ammonium Sulphate	3,594	579	7,522	77,006	146,031	139,025	13,067	386,824
Ammonium Nitrate	35,483	101,622	106,767	94,041	65,006	77,392	20,117	500,428
Anhydrous Ammonia	0	4,646	39,884	171,947	182,849	184,746	11,494	595,566
Phosphates:								
Monoammonium Phosphate	1,686	23,079	127,999	244,218	431,610	325,427	14,964	1,168,983
Diammonium Phosphate	67,850	93,620	36,087	139	0	0	531	198,227
Potash:								
Muriate of Potash	54,232	118,066	264,591	81,869	39,682	85,149	11,033	654,622
Other Fertilizer Materials ⁽²⁾	4,894	10,758	53,914	61,711	60,302	48,992	51,803	292,374
TOTAL	185,598	474,847	790,458	991,203	1,458,393	1,293,440	169,464	5,363,403

Table 3.2 Shipments of Fertilizer Material to Export Markets

Year Ended June 30, 1998

	Canada Total	Metric Tonnes		Total Shipments ⁽³⁾
		U.S.A.	Offshore	
Nitrogen:				
Urea	1,566,379	1,049,350	288,751	2,904,480
Ammonium Sulphate	386,824	15,472	99,203	501,499
Ammonium Nitrate	500,428	271,914	8,580	780,922
Anhydrous Ammonia	595,566	866,750	15,710	1,478,026
Phosphates:				
Monoammonium Phosphate	1,168,983	3,107	0	1,172,090
Diammonium Phosphate	198,227	2,350	0	200,577
Potash:				
Muriate of Potash	654,622	7,095,050	6,452,874	14,202,546
Other Fertilizer Materials ⁽²⁾	292,374	9,381	0	301,755
TOTAL	5,363,403	9,313,374	6,865,118	21,541,895

(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

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 there². 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.

²The 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, 1998

	Exports			Imports		
	East	West	Total	East	West	Total
	(tonnes)					
Nitrogen:						
Urea	138,932	1,740,294	1,879,226	254,641	9,187	263,828
Ammonium Sulphate	8,830	284,894	293,724	23,913	23,372	47,285
Ammonium Nitrate	120,723	267,602	388,325	107,032	1,037	108,069
Anhydrous Ammonia	129,619	976,980	1,106,599	17,529	5,701	23,230
Nitrogen Solutions	61,511	105,984	167,495	1,366	10,015	11,381
Phosphate:						
Monoammonium Phosphate	2,817	19	2,836	281,134	298,357	579,491
Diammonium Phosphate	3,162	-	3,162	117,789	60	117,849
Triple Superphosphate	63	-	63	14,120	708	14,828
Normal Superphosphate	-	-	-	1,594	208	1,802
Other Phosphate	675	2,616	3,291	6,530	1,151	7,681
Potash:						
Muriate of Potash	629,425	14,286,180 ⁽¹⁾	14,915,605	5,161	20	5,181
Potassium Sulphate	395	7,932	8,327	9,357	237	9,594
Potassium Magnesium Sulphate	-	-	-	77,789	790	78,579
Prepared Mixtures	35,099	746	35,845	23,377	6,466	29,843
Other Fertilizer Materials ⁽²⁾	31,195	45,467	76,662	80,270	38,523	118,793
TOTAL	1,162,446	17,718,714	18,881,160	1,021,602	395,832	1,417,434

(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, 1998

	Net Exports			Net Imports		
	East	West	Total	East	West	Total
	(tonnes)					
Nitrogen:						
Urea	--	1,731,107	1,615,398	115,709	--	--
Ammonium Sulphate	--	261,522	246,439	15,083	--	--
Ammonium Nitrate	13,691	266,565	280,256	--	--	--
Anhydrous Ammonia	112,090	971,279	1,083,369	--	--	--
Nitrogen Solutions	60,145	95,969	156,114	--	--	--
Phosphate:						
Monoammonium Phosphate	--	--	--	278,317	298,338	576,655
Diammonium Phosphate	--	--	--	114,627	60	114,567
Triple Superphosphate	--	--	--	14,057	645	14,702
Normal Superphosphate	--	--	--	1,594	208	1,802
Other Phosphate	--	1,465	--	5,855	--	4,390
Potash:						
Muriate of Potash	624,264	14,286,160	14,910,424	--	--	--
Potassium Sulphate	--	7,695	--	8,962	--	1,267
Potassium Magnesium Sulphate	--	--	--	77,789	790	78,579
Prepared Mixtures	11,722	--	6,002	--	5,720	--
Other Fertilizer Materials	--	6,944	--	49,075	--	42,131
TOTAL	821,912	17,628,706	18,298,002			

Source: Statistics Canada

5. FARM EXPENDITURES ON FERTILIZER

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 1986=100 and show the trend in fertilizer price. They are a simple average of the quarterly indices from July to June.

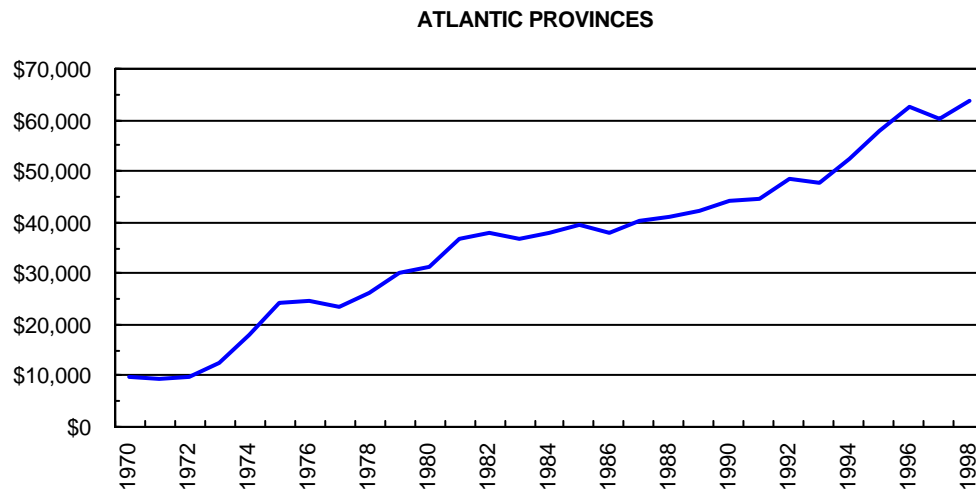
**Table 5.1 Total Farm Expenditures on Fertilizer and Lime ⁽¹⁾
Atlantic Provinces**

Calendar Year	Newfoundland	P.E.I.	Nova Scotia	New Brunswick	Atlantic Provinces
(\$'000)					
1998 ⁽²⁾	1,595	33,298	11,079	17,939	63,911
1997	1,457	31,321	11,088	16,308	60,174
1996	1,748	31,161	11,485	18,183	62,577
1995	1,622	29,217	10,227	16,832	57,898
1994	1,624	26,200	9,497	14,903	52,224
1993	1,440	21,387	9,848	15,020	47,695
1992	1,412	22,319	10,324	14,369	48,424
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
1971	N.A.	3,732	2,450	3,242	9,424
1970	N.A.	3,856	2,481	3,260	9,597
1969	N.A.	3,961	2,338	4,038	10,337
1968	N.A.	3,911	1,956	3,995	9,862

(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)



**Table 5.2 Total Farm Expenditures on Fertilizer and Lime ⁽¹⁾
Central Canada**

Calendar Year	Quebec	Ontario	Central Canada ⁽²⁾	Eastern Canada
(\$'000)				
1998 ⁽³⁾	192,331	326,559	518,890	582,801
1997	194,667	338,754	533,421	593,595
1996	202,127	362,826	564,953	627,530
1995	183,752	355,712	539,464	597,362
1994	163,658	309,535	473,193	525,417
1993	162,022	279,111	441,133	488,828
1992	175,581	279,111	454,692	503,116
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
1971	25,563	62,929	88,492	97,916
1970	23,900	57,762	81,662	91,259
1969	24,316	57,034	81,350	91,687
1968	23,786	74,383	98,169	108,031

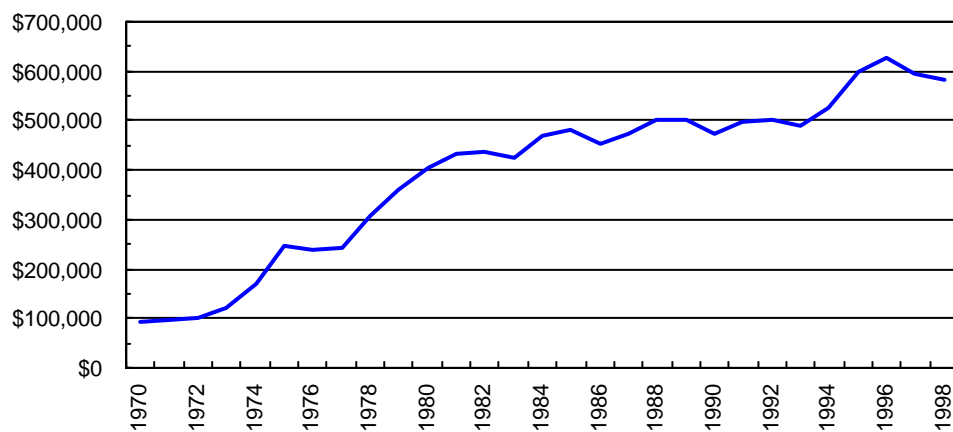
(1) Includes all costs associated with the purchase of fertilizer and, where applicable fertilizer application.

(2) Quebec and Ontario

(3) Forecast

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

CENTRAL CANADA



**Table 5.3 Total Farm Expenditures on Fertilizer and Lime ⁽¹⁾
Western Canada and Canada Total**

Calendar Year	Manitoba	Saskatchewan	Alberta	British Columbia	Western Canada	Total Canada
(\$'000)						
1998 ⁽²⁾	315,766	566,322	477,428	57,208	1,416,724	1,999,525
1997	309,271	605,692	476,951	60,118	1,452,032	2,045,627
1996	314,115	582,281	503,854	60,702	1,460,952	2,088,482
1995	322,566	536,014	474,310	52,662	1,385,552	1,982,914
1994	273,361	403,018	401,958	55,245	1,133,582	1,658,999
1993	225,918	305,317	329,832	48,164	909,231	1,398,059
1992	203,554	278,997	301,315	45,990	829,856	1,332,972
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
1971	15,780	11,592	29,966	6,382	63,720	161,636
1970	10,906	7,281	22,714	5,281	46,182	137,441
1969	13,050	14,247	30,169	5,923	63,389	155,076
1968	24,772	29,291	43,266	5,649	102,978	211,009

(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)

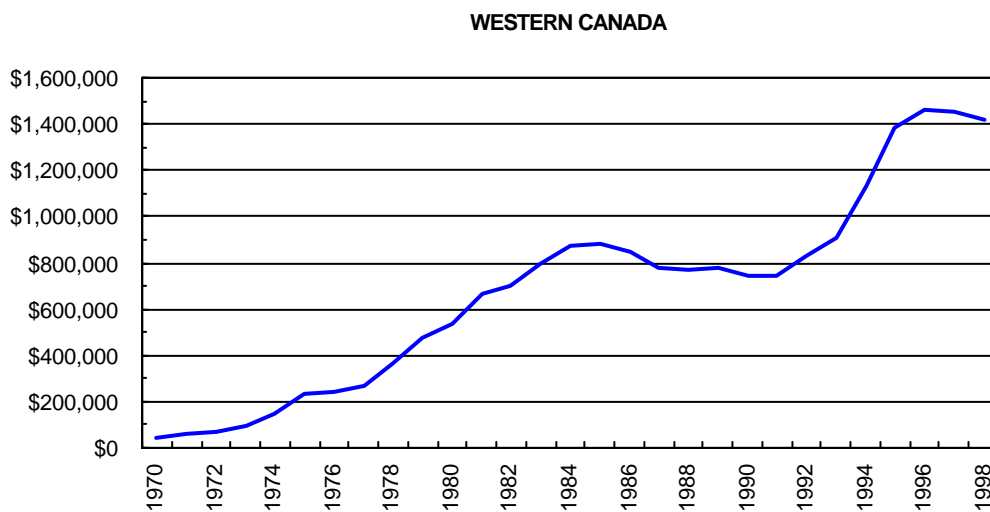
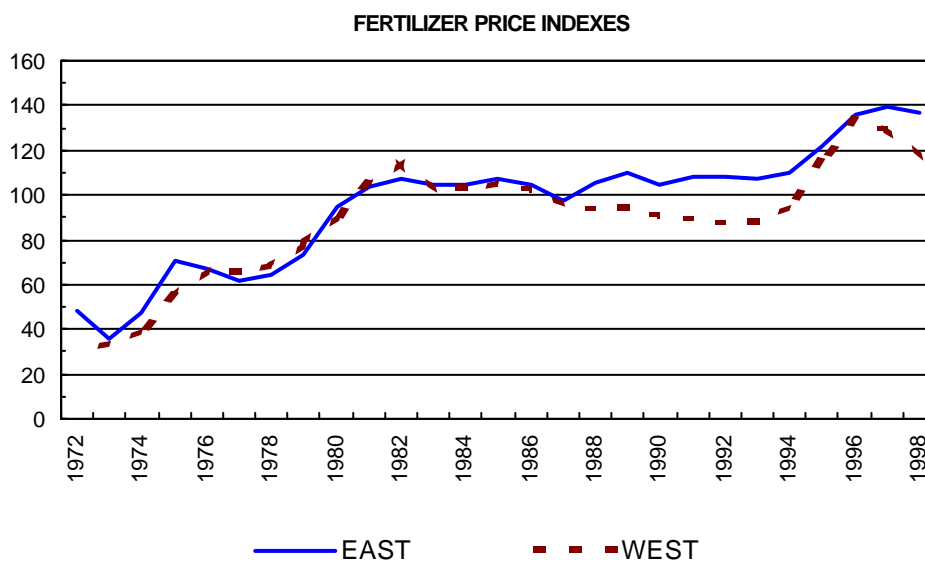


Table 5.4 Fertilizer Price Indices ⁽¹⁾

Year Ending June 30	EAST	WEST	CANADA
1998	137.1	117.4	124.4
1997	139.1	129.9	133.1
1996	136.15	132.85	134.03
1995	121.2	114.8	117.1
1994	109.8	95.1	100.2
1993	106.9	88.3	94.8
1992	107.9	88.0	95.0
1991	107.9	89.4	95.9
1990	104.5	91.4	95.9
1989	109.9	94.4	99.8
1988	105.9	93.8	98.1
1987	97.4	96.6	96.9
1986	104.2	103.0	103.5
1985	107.1	105.5	106.2
1984	104.2	103.8	104.0
1983	105.0	102.6	103.6
1982	106.9	114.6	111.5
1981	103.6	105.0	105.1
1980	94.4	90.4	93.4
1979	73.6	77.6	75.9
1978	64.6	69.0	67.0
1977	61.4	66.0	63.9
1976	66.7	66.2	67.1
1975	71.0	54.3	64.3
1974	47.1	39.1	44.0
1973	36.2	34.2	35.6
1972	48.6	32.1	33.2

(1) The indices are the simple average of the quarterly indices for the fertilizer year (July to June) ending in the year shown.
Calendar year 1986 = 100

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



APPENDIX: ADDRESSES OF DATA SOURCES

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