



# Net farm income

## Agriculture economic statistics

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### Highlights

#### Net cash income tumbled 11.0% to \$7.2 billion in 2002

Net cash income - the difference between a farmer's cash receipts and operating expenses - tumbled 11.0% to \$7.2 billion in 2002 after setting a record high in 2001.

Cash receipts fell for the first time since 1998 in the wake of back-to-back droughts, while higher feed grain costs drove up operating expenses. Still, net cash income was 12.4% above the previous five-year average, from 1997 to 2001.

Western farmers experienced one of the poorest growing seasons in the past quarter-century in 2002. The situation for some growers in Alberta and Saskatchewan was worse than in the Depression of the 1930s.

Farmers drew heavily on their crop inventories to support sales in 2001 and 2002, as adverse weather conditions cut grain and oilseed production substantially. As a result, year-end stocks were at their lowest levels since 1988.

Net cash income can vary widely from one farm to another because of factors such as commodities produced, prices and weather. See [Farm cash receipts](#) publication for more information on the impacts of last year's extreme weather conditions and of the diagnosis of a cow in northern Alberta with mad cow disease on farmers' revenues in the first three quarters of 2003.

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### Note of Appreciation

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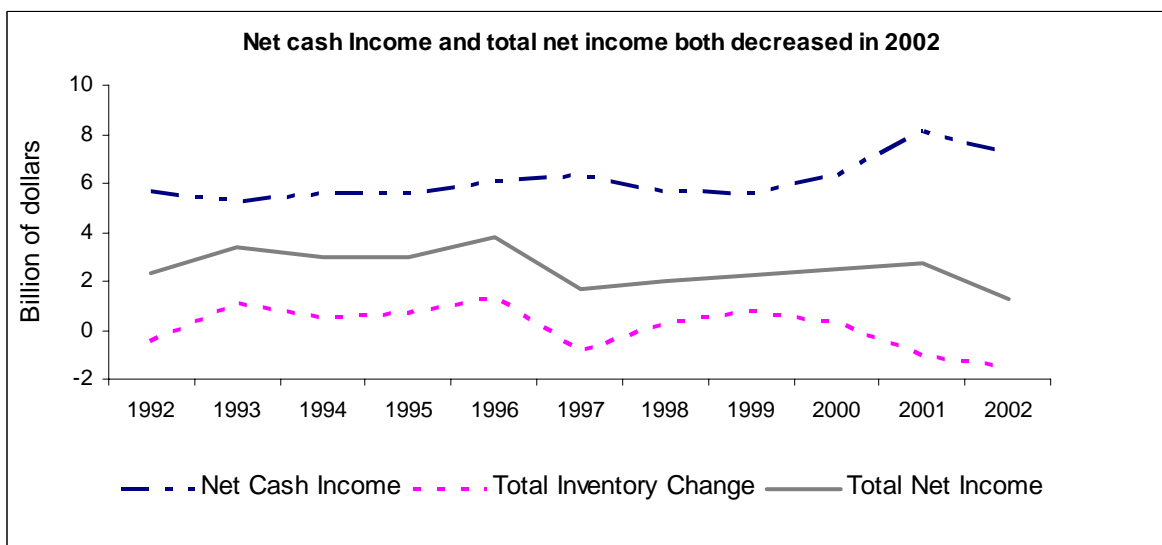
### Total net income: Lowest level in more than 30 years

Total net income, which adjusts net cash income for changes in farmer-owned inventories of crops and livestock, depreciation and income-in-kind, plunged to a revised \$1.3 billion in 2002, the lowest level in more than 30 years.

Total net income can fluctuate substantially with large swings in grain production. Last year's production season, one of the worst in the past 25 years, forced Canadian farmers to empty their bins to their lowest levels since 1988.

Hardest hit were producers in Alberta and Saskatchewan, who recorded negative total net income. In 2002, Canadian producers experienced the largest decline in the value of farmer-owned crop inventories, which fell by \$1.5 billion.

The drought also took its toll on cattle producers, who trimmed their herd size by 4.3% in the wake of higher feed prices and lower supplies. Alberta, the largest cattle producer, was hardest hit, as its cattle herd plunged 7.9%.



## Symbols

The symbols described in this document apply to all data published by Statistics Canada from all origins including surveys, censuses and administrative sources, as well as straight tabulations and all estimations.

- . figures not available for any reference period
  - .. figures not available for a specific reference period
  - ... figures not appropriate or not applicable
  - P** preliminary
  - r** revised
  - x** suppressed to meet confidentiality requirements of the Statistics Act
  - E** use with caution
  - F** too unreliable to be published
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	'000 OF DOLLARS										
	N.L.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>1926</b>											
1 Receipts from Farm Operations	..	9,645	13,940	16,574	101,324	245,868	89,221	293,127	164,889	26,606	961,194
2 Income in Kind	..	2,366	8,883	9,180	40,229	52,305	10,819	20,692	12,292	5,545	162,311
3 Supplementary Payments	..	0	0	0	0	0	0	0	0	0	0
4 Realized Gross Income (1+2+3)	..	12,011	22,823	25,754	141,553	298,173	100,040	313,819	177,181	32,151	1,123,505
5 Operating Expenses and Depreciation	..	4,595	11,341	10,842	64,452	152,884	53,664	148,425	81,788	17,067	545,058
6 Realized Net Income (4-5)	..	7,416	11,482	14,912	77,101	145,289	46,376	165,394	95,393	15,084	578,447
7 Value of Inventory Change	..	(200)	451	636	2,228	(11,966)	9,238	(1,835)	1,529	2,051	2,132
8 Total Gross Income (4+7)	..	11,811	23,274	26,390	143,781	286,207	109,278	311,984	178,710	34,202	1,125,637
9 Total Net Income (8-5)	..	7,216	11,933	15,548	79,329	133,323	55,614	163,559	96,922	17,135	580,579
<b>1927</b>											
1 Receipts from Farm Operations	..	10,028	15,124	14,492	101,083	246,443	78,852	273,293	172,191	28,893	940,399
2 Income in Kind	..	2,402	8,671	8,839	38,088	50,071	10,757	20,497	12,067	5,512	156,904
3 Supplementary Payments	..	0	0	0	0	0	0	0	0	0	0
4 Realized Gross Income (1+2+3)	..	12,430	23,795	23,331	139,171	296,514	89,609	293,790	184,258	34,405	1,097,303
5 Operating Expenses and Depreciation	..	4,610	11,543	10,968	66,803	158,307	51,296	155,034	92,783	18,131	569,475
6 Realized Net Income (4-5)	..	7,820	12,252	12,363	72,368	138,207	38,313	138,756	91,475	16,274	527,828
7 Value of Inventory Change	..	279	(993)	(470)	2,500	(466)	(18,922)	31,736	48,270	1,072	63,006
8 Total Gross Income (4+7)	..	12,709	22,802	22,861	141,671	296,048	70,687	325,526	232,528	35,477	1,160,309
9 Total Net Income (8-5)	..	8,099	11,259	11,893	74,868	137,741	19,391	170,492	139,745	17,346	590,834
<b>1928</b>											
1 Receipts from Farm Operations	..	9,666	16,394	14,389	110,574	259,610	82,062	323,115	215,262	33,174	1,064,246
2 Income in Kind	..	2,379	8,333	8,580	38,035	48,889	10,692	21,226	12,499	5,224	155,857
3 Supplementary Payments	..	0	0	0	0	0	0	0	0	0	0
4 Realized Gross Income (1+2+3)	..	12,045	24,727	22,969	148,609	308,499	92,754	344,341	227,761	38,398	1,220,103
5 Operating Expenses and Depreciation	..	5,173	11,441	11,691	69,209	164,901	55,956	161,865	96,475	19,175	595,886
6 Realized Net Income (4-5)	..	6,872	13,286	11,278	79,400	143,598	36,798	182,476	131,286	19,223	624,217
7 Value of Inventory Change	..	76	(482)	(78)	2,923	(4,230)	12,237	(4,020)	(32,552)	2,014	(24,112)
8 Total Gross Income (4+7)	..	12,121	24,245	22,891	151,532	304,269	104,991	340,321	195,209	40,412	1,195,991
9 Total Net Income (8-5)	..	6,948	12,804	11,200	82,323	139,368	49,035	178,456	98,734	21,237	600,105
<b>1929</b>											
1 Receipts from Farm Operations	..	10,231	15,288	14,290	109,334	256,832	72,467	246,640	172,740	33,943	931,765
2 Income in Kind	..	2,410	8,304	8,417	37,857	47,989	11,789	22,237	13,691	5,669	158,363
3 Supplementary Payments	..	0	0	0	0	0	0	0	0	0	0
4 Realized Gross Income (1+2+3)	..	12,641	23,592	22,707	147,191	304,821	84,256	268,877	186,431	39,612	1,090,128
5 Operating Expenses and Depreciation	..	5,522	12,161	12,357	70,474	165,819	53,889	152,759	94,412	19,504	586,897
6 Realized Net Income (4-5)	..	7,119	11,431	10,350	76,717	139,002	30,367	116,118	92,019	20,108	503,231
7 Value of Inventory Change	..	74	676	(595)	300	(4,933)	(14,077)	(70,870)	(39,456)	1,178	(127,703)
8 Total Gross Income (4+7)	..	12,715	24,268	22,112	147,491	299,888	70,179	198,007	146,975	40,790	962,425
9 Total Net Income (8-5)	..	7,193	12,107	9,755	77,017	134,069	16,290	45,248	52,563	21,286	375,528
<b>1930</b>											
1 Receipts from Farm Operations	..	8,482	16,445	13,599	91,622	213,471	47,327	123,986	96,759	30,234	641,925
2 Income in Kind	..	2,245	7,841	7,726	36,803	43,497	9,409	19,830	12,792	5,444	145,587
3 Supplementary Payments	..	0	0	0	0	0	0	0	0	0	0
4 Realized Gross Income (1+2+3)	..	10,727	24,286	21,325	128,425	256,968	56,736	143,816	109,551	35,678	787,512
5 Operating Expenses and Depreciation	..	5,833	11,543	12,274	66,853	156,172	48,887	137,861	90,345	18,683	548,451
6 Realized Net Income (4-5)	..	4,894	12,743	9,051	61,572	100,796	7,849	5,955	19,206	16,995	239,061
7 Value of Inventory Change	..	199	(199)	427	457	13,310	13,488	26,529	30,997	(1,380)	83,828
8 Total Gross Income (4+7)	..	10,926	24,087	21,752	128,882	270,278	70,224	170,345	140,548	34,298	871,340
9 Total Net Income (8-5)	..	5,093	12,544	9,478	62,029	114,106	21,337	32,484	50,203	15,615	322,889
<b>1931</b>											
1 Receipts from Farm Operations	..	5,248	12,873	9,957	74,064	171,004	31,220	72,873	72,832	21,842	471,913
2 Income in Kind	..	1,785	5,959	6,309	27,908	33,620	6,523	13,349	9,049	4,116	108,618
3 Supplementary Payments	..	0	0	0	0	0	0	0	0	0	0
4 Realized Gross Income (1+2+3)	..	7,033	18,832	16,266	101,972	204,624	37,743	86,222	81,881	25,958	580,531
5 Operating Expenses and Depreciation	..	5,178	10,434	10,276	57,174	133,024	37,710	111,575	77,789	16,081	459,241
6 Realized Net Income (4-5)	..	1,855	8,398	5,990	44,798	71,600	33	(25,353)	4,092	9,877	121,290
7 Value of Inventory Change	..	(116)	7	121	(380)	(4,054)	(7,940)	(10,867)	4,333	(554)	(19,450)
8 Total Gross Income (4+7)	..	6,917	18,839	16,387	101,592	200,570	29,803	75,355	86,214	25,404	561,081
9 Total Net Income (8-5)	..	1,739	8,405	6,111	44,418	67,546	(7,907)	(36,220)	8,425	9,323	101,840

	'000 OF DOLLARS										
	N.L.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>1932</b>											
1 Receipts from Farm Operations	..	3,619	10,365	7,416	58,651	131,472	28,861	79,675	70,912	18,074	409,045
2 Income in Kind	..	1,437	4,903	4,962	22,630	24,764	5,504	10,776	7,618	3,387	85,981
3 Supplementary Payments	..	0	0	0	0	0	0	0	0	0	0
4 Realized Gross Income (1+2+3)	..	5,056	15,268	12,378	81,281	156,236	34,365	90,451	78,530	21,461	495,026
5 Operating Expenses and Depreciation	..	3,905	8,814	8,316	49,780	113,724	35,060	107,413	72,698	13,738	413,448
6 Realized Net Income (4-5)	..	1,151	6,454	4,062	31,501	42,512	(695)	(16,962)	5,832	7,723	81,578
7 Value of Inventory Change	..	108	32	609	(549)	(2,196)	5,570	11,324	5,276	185	20,359
8 Total Gross Income (4+7)	..	5,164	15,300	12,987	80,732	154,040	39,935	101,775	83,806	21,646	515,385
9 Total Net Income (8-5)	..	1,259	6,486	4,671	30,952	40,316	4,875	(5,638)	11,108	7,908	101,937
<b>1933</b>											
1 Receipts from Farm Operations	..	4,113	12,810	7,966	57,109	135,901	32,253	79,028	71,340	19,123	419,643
2 Income in Kind	..	1,568	5,137	5,269	23,460	26,769	6,013	11,994	8,465	3,729	92,404
3 Supplementary Payments	..	0	0	0	0	0	0	0	0	0	0
4 Realized Gross Income (1+2+3)	..	5,681	17,947	13,235	80,569	162,670	38,266	91,022	79,805	22,852	512,047
5 Operating Expenses and Depreciation	..	3,826	8,398	8,230	47,681	111,227	33,890	100,840	69,773	13,308	397,173
6 Realized Net Income (4-5)	..	1,855	9,549	5,005	32,888	51,443	4,376	(9,818)	10,032	9,544	114,874
7 Value of Inventory Change	..	(120)	(35)	(119)	(2,122)	(11,323)	(4,906)	(8,860)	(7,809)	1,877	(33,417)
8 Total Gross Income (4+7)	..	5,561	17,912	13,116	78,447	151,347	33,360	82,162	71,996	24,729	478,630
9 Total Net Income (8-5)	..	1,735	9,514	4,886	30,766	40,120	(530)	(18,678)	2,223	11,421	81,457
<b>1934</b>											
1 Receipts from Farm Operations	..	4,877	13,411	9,569	67,508	149,922	43,217	95,708	97,014	22,008	503,234
2 Income in Kind	..	1,615	5,185	5,316	25,153	29,048	6,630	13,098	9,401	3,795	99,241
3 Supplementary Payments	..	0	0	0	0	0	0	0	0	0	0
4 Realized Gross Income (1+2+3)	..	6,492	18,596	14,885	92,661	178,970	49,847	108,806	106,415	25,803	602,475
5 Operating Expenses and Depreciation	..	4,181	8,912	8,510	51,448	117,418	36,395	104,999	74,255	14,288	420,406
6 Realized Net Income (4-5)	..	2,311	9,684	6,375	41,213	61,552	13,452	3,807	32,160	11,515	182,069
7 Value of Inventory Change	..	(207)	(200)	(452)	1,010	6,528	(2,187)	(9,987)	(1,504)	(305)	(7,304)
8 Total Gross Income (4+7)	..	6,285	18,396	14,433	93,671	185,498	47,660	98,819	104,911	25,498	595,171
9 Total Net Income (8-5)	..	2,104	9,484	5,923	42,223	68,080	11,265	(6,180)	30,656	11,210	174,765
<b>1935</b>											
1 Receipts from Farm Operations	..	5,236	15,357	11,007	71,479	160,897	36,240	110,047	99,276	23,044	532,583
2 Income in Kind	..	1,671	5,289	5,602	25,533	28,316	7,044	14,529	10,206	3,945	102,135
3 Supplementary Payments	..	0	0	0	0	0	0	0	0	0	0
4 Realized Gross Income (1+2+3)	..	6,907	20,646	16,609	97,012	189,213	43,284	124,576	109,482	26,989	634,718
5 Operating Expenses and Depreciation	..	4,096	9,159	8,593	52,872	120,752	35,754	110,068	74,730	14,564	430,588
6 Realized Net Income (4-5)	..	2,811	11,487	8,016	44,140	68,461	7,530	14,508	34,752	12,425	204,130
7 Value of Inventory Change	..	46	(411)	(467)	115	4,867	(437)	8,464	(9,258)	807	3,726
8 Total Gross Income (4+7)	..	6,953	20,235	16,142	97,127	194,080	42,847	133,040	100,224	27,796	638,444
9 Total Net Income (8-5)	..	2,857	11,076	7,549	44,255	73,328	7,093	22,972	25,494	13,232	207,856
<b>1936</b>											
1 Receipts from Farm Operations	..	6,684	15,578	12,562	80,388	176,532	47,401	127,546	95,401	25,190	587,282
2 Income in Kind	..	1,839	5,843	5,889	28,086	32,006	7,697	15,624	11,123	4,289	112,396
3 Supplementary Payments	..	0	0	0	0	0	0	0	0	0	0
4 Realized Gross Income (1+2+3)	..	8,523	21,421	18,451	108,474	208,538	55,098	143,170	106,524	29,479	699,678
5 Operating Expenses and Depreciation	..	4,240	10,030	9,208	54,347	126,910	36,740	109,639	75,116	15,194	441,424
6 Realized Net Income (4-5)	..	4,283	11,391	9,243	54,127	81,628	18,358	33,531	31,408	14,285	258,254
7 Value of Inventory Change	..	(58)	128	162	1,863	(9,707)	(2,617)	(19,291)	(13,761)	759	(42,522)
8 Total Gross Income (4+7)	..	8,465	21,549	18,613	110,337	198,831	52,481	123,879	92,763	30,238	657,156
9 Total Net Income (8-5)	..	4,225	11,519	9,405	55,990	71,921	15,741	14,240	17,647	15,044	215,732
<b>1937</b>											
1 Receipts from Farm Operations	..	6,401	18,196	13,445	88,813	201,912	74,596	85,074	121,053	28,966	638,456
2 Income in Kind	..	1,889	5,711	5,960	28,358	31,317	8,450	16,308	12,052	4,433	114,478
3 Supplementary Payments	..	0	0	0	0	0	0	0	0	0	0
4 Realized Gross Income (1+2+3)	..	8,290	23,907	19,405	117,171	233,229	83,046	101,382	133,105	33,399	752,934
5 Operating Expenses and Depreciation	..	4,735	10,701	10,182	61,945	141,013	42,694	97,645	79,000	17,014	464,929
6 Realized Net Income (4-5)	..	3,555	13,206	9,223	55,226	92,216	40,352	3,737	54,105	16,385	288,005
7 Value of Inventory Change	..	318	685	348	4,621	6,154	15,077	(44,252)	6,371	(142)	(10,820)
8 Total Gross Income (4+7)	..	8,608	24,592	19,753	121,792	239,383	98,123	57,130	139,476	33,257	742,114
9 Total Net Income (8-5)	..	3,873	13,891	9,571	59,847	98,370	55,429	(40,515)	60,476	16,243	277,185

	'000 OF DOLLARS										
	N.L.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>1938</b>											
1 Receipts from Farm Operations	..	5,636	18,361	12,188	91,397	201,156	64,273	92,507	134,470	29,670	649,658
2 Income in Kind	..	1,815	5,587	5,918	29,028	30,302	8,318	16,443	12,053	4,413	113,877
3 Supplementary Payments	..	0	0	0	0	0	0	0	0	0	0
4 Realized Gross Income (1+2+3)	..	7,451	23,948	18,106	120,425	231,458	72,591	108,950	146,523	34,083	763,535
5 Operating Expenses and Depreciation	..	4,688	10,491	10,060	59,119	136,111	41,611	103,212	80,535	17,239	463,066
6 Realized Net Income (4-5)	..	2,763	13,457	8,046	61,306	95,347	30,980	5,738	65,988	16,844	300,469
7 Value of Inventory Change	..	60	104	(1)	1,780	2,563	(565)	19,056	12,383	(333)	35,047
8 Total Gross Income (4+7)	..	7,511	24,052	18,105	122,205	234,021	72,026	128,006	158,906	33,750	798,582
9 Total Net Income (8-5)	..	2,823	13,561	8,045	63,086	97,910	30,415	24,794	78,371	16,511	335,516
<b>1939</b>											
1 Receipts from Farm Operations	..	6,914	13,954	13,688	98,829	208,974	64,070	156,971	118,438	30,238	712,076
2 Income in Kind	..	1,688	5,508	5,841	29,942	30,326	8,440	16,963	12,129	4,454	115,291
3 Supplementary Payments	..	0	0	0	0	0	0	1,686	0	0	1,686
4 Realized Gross Income (1+2+3)	..	8,602	19,462	19,529	128,771	239,300	72,510	175,620	130,567	34,692	829,053
5 Operating Expenses and Depreciation	..	4,584	10,777	9,976	60,125	139,480	42,977	113,728	81,631	17,651	480,929
6 Realized Net Income (4-5)	..	4,018	8,685	9,553	68,646	99,820	29,533	61,892	48,936	17,041	348,124
7 Value of Inventory Change	..	(115)	(21)	210	5,167	3,804	930	30,272	12,973	378	53,598
8 Total Gross Income (4+7)	..	8,487	19,441	19,739	133,938	243,104	73,440	205,892	143,540	35,070	882,651
9 Total Net Income (8-5)	..	3,903	8,664	9,763	73,813	103,624	30,463	92,164	61,909	17,419	401,722
<b>1940</b>											
1 Receipts from Farm Operations	..	7,155	14,761	16,016	110,165	215,774	62,807	149,624	124,061	30,757	731,120
2 Income in Kind	..	1,788	5,789	5,924	29,667	27,412	9,283	18,175	13,527	4,617	116,182
3 Supplementary Payments	..	0	0	0	0	0	1,109	7,069	1,513	0	9,691
4 Realized Gross Income (1+2+3)	..	8,943	20,550	21,940	139,832	243,186	73,199	174,868	139,101	35,374	856,993
5 Operating Expenses and Depreciation	..	4,818	10,796	10,370	62,348	144,861	43,821	115,245	86,783	18,060	497,102
6 Realized Net Income (4-5)	..	4,125	9,754	11,570	77,484	98,325	29,378	59,623	52,318	17,314	359,891
7 Value of Inventory Change	..	(131)	15	(160)	2,173	4,212	8,847	29,652	31,789	1,256	77,653
8 Total Gross Income (4+7)	..	8,812	20,565	21,780	142,005	247,398	82,046	204,520	170,890	36,630	934,646
9 Total Net Income (8-5)	..	3,994	9,769	11,410	79,657	102,537	38,225	89,275	84,107	18,570	437,544
<b>1941</b>											
1 Receipts from Farm Operations	..	7,619	17,233	18,416	133,221	274,503	81,286	159,991	147,613	35,899	875,781
2 Income in Kind	..	1,968	6,337	6,603	32,426	32,389	10,784	21,129	15,689	4,531	131,856
3 Supplementary Payments	..	0	0	0	0	0	3,340	18,428	7,709	0	29,477
4 Realized Gross Income (1+2+3)	..	9,587	23,570	25,019	165,647	306,892	95,410	199,548	171,011	40,430	1,037,114
5 Operating Expenses and Depreciation	..	5,420	13,381	11,575	72,277	158,869	48,792	115,431	88,843	19,077	533,665
6 Realized Net Income (4-5)	..	4,167	10,189	13,444	93,370	148,023	46,618	84,117	82,168	21,353	503,449
7 Value of Inventory Change	..	(17)	(439)	(280)	(1,436)	(13,530)	3,743	(21,809)	(19,642)	821	(52,589)
8 Total Gross Income (4+7)	..	9,570	23,131	24,739	164,211	293,362	99,153	177,739	151,369	41,251	984,525
9 Total Net Income (8-5)	..	4,150	9,750	13,164	91,934	134,493	50,361	62,308	62,526	22,174	450,860
<b>1942</b>											
1 Receipts from Farm Operations	..	11,372	22,250	23,588	165,783	357,848	104,580	197,523	173,100	45,026	1,101,070
2 Income in Kind	..	2,378	7,287	8,059	40,514	40,742	11,909	23,809	18,909	5,599	159,206
3 Supplementary Payments	..	0	0	0	0	0	6,653	33,239	15,470	0	55,362
4 Realized Gross Income (1+2+3)	..	13,750	29,537	31,647	206,297	398,590	123,142	254,571	207,479	50,625	1,315,638
5 Operating Expenses and Depreciation	..	5,983	15,315	13,347	87,474	196,097	58,002	149,168	108,166	22,837	656,389
6 Realized Net Income (4-5)	..	7,767	14,222	18,300	118,823	202,493	65,140	105,403	99,313	27,788	659,249
7 Value of Inventory Change	..	142	(48)	187	(1,770)	12,406	29,063	184,260	102,917	96	327,253
8 Total Gross Income (4+7)	..	13,892	29,489	31,834	204,527	410,996	152,205	438,831	310,396	50,721	1,642,891
9 Total Net Income (8-5)	..	7,909	14,174	18,487	117,053	214,899	94,203	289,663	202,230	27,884	986,502
<b>1943</b>											
1 Receipts from Farm Operations	..	13,959	26,244	29,714	184,858	389,083	144,188	322,216	225,326	57,192	1,392,780
2 Income in Kind	..	2,576	7,915	8,634	44,566	42,639	13,163	26,866	20,822	6,485	173,666
3 Supplementary Payments	..	0	0	0	0	0	5,056	17,269	9,089	0	31,414
4 Realized Gross Income (1+2+3)	..	16,535	34,159	38,348	229,424	431,722	162,407	366,351	255,237	63,677	1,597,860
5 Operating Expenses and Depreciation	..	8,092	17,446	16,369	111,558	226,936	63,052	150,454	112,502	28,136	734,545
6 Realized Net Income (4-5)	..	8,443	16,713	21,979	117,866	204,786	99,355	215,897	142,735	35,541	863,315
7 Value of Inventory Change	..	413	935	452	8,304	(18,057)	(5,396)	(66,397)	(38,151)	1,117	(116,780)
8 Total Gross Income (4+7)	..	16,948	35,094	38,800	237,728	413,665	157,011	299,954	217,086	64,794	1,481,080
9 Total Net Income (8-5)	..	8,856	17,648	22,431	126,170	186,729	93,959	149,500	104,584	36,658	746,535

	'000 OF DOLLARS										
	N.L.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>1944</b>											
1 Receipts from Farm Operations	..	13,694	28,604	32,106	205,154	410,710	172,752	533,960	341,270	67,588	1,805,838
2 Income in Kind	..	2,550	7,820	8,189	44,773	43,256	13,091	26,878	21,100	6,686	174,343
3 Supplementary Payments	..	0	0	0	0	0	780	11,599	5,493	0	17,872
4 Realized Gross Income (1+2+3)	..	16,244	36,424	40,295	249,927	453,966	186,623	572,437	367,863	74,274	1,998,053
5 Operating Expenses and Depreciation	..	8,189	18,337	16,933	111,799	227,928	68,099	171,294	120,906	31,827	775,312
6 Realized Net Income (4-5)	..	8,055	18,087	23,362	138,128	226,038	118,524	401,143	246,957	42,447	1,222,741
7 Value of Inventory Change	..	171	198	(523)	8,870	12,884	(20,763)	(73,770)	(56,129)	679	(128,383)
8 Total Gross Income (4+7)	..	16,415	36,622	39,772	258,797	466,850	165,860	498,667	311,734	74,953	1,869,670
9 Total Net Income (8-5)	..	8,226	18,285	22,839	146,998	238,922	97,761	327,373	190,828	43,126	1,094,358
<b>1945</b>											
1 Receipts from Farm Operations	..	16,100	26,873	33,417	216,591	442,625	151,186	405,903	290,566	72,469	1,655,730
2 Income in Kind	..	2,726	7,684	8,693	50,184	45,023	13,576	28,785	21,085	7,167	184,923
3 Supplementary Payments	..	0	0	0	0	0	297	2,901	3,242	0	6,440
4 Realized Gross Income (1+2+3)	..	18,826	34,557	42,110	266,775	487,648	165,059	437,589	314,893	79,636	1,847,093
5 Operating Expenses and Depreciation	..	8,817	18,697	18,094	118,605	236,778	71,615	161,901	120,072	33,656	788,235
6 Realized Net Income (4-5)	..	10,009	15,860	24,016	148,170	250,870	93,444	275,688	194,821	45,980	1,058,858
7 Value of Inventory Change	..	(477)	(1,250)	(1,774)	(20,610)	(13,735)	(25,173)	(105,668)	(69,604)	(1,000)	(239,291)
8 Total Gross Income (4+7)	..	18,349	33,307	40,336	246,165	473,913	139,886	331,921	245,289	78,636	1,607,802
9 Total Net Income (8-5)	..	9,532	14,610	22,242	127,560	237,135	68,271	170,020	125,217	44,980	819,567
<b>1946</b>											
1 Receipts from Farm Operations	..	15,803	33,507	33,968	222,931	461,733	166,465	388,909	283,270	75,265	1,681,851
2 Income in Kind	..	2,752	8,145	9,246	51,572	46,732	14,710	29,919	21,916	7,235	192,227
3 Supplementary Payments	..	0	0	0	0	0	31	12,461	4,458	0	16,950
4 Realized Gross Income (1+2+3)	..	18,555	41,652	43,214	274,503	508,465	181,206	431,289	309,644	82,500	1,891,028
5 Operating Expenses and Depreciation	..	9,650	19,986	19,219	133,561	268,348	77,605	176,039	134,508	38,406	877,322
6 Realized Net Income (4-5)	..	8,905	21,666	23,995	140,942	240,117	103,601	255,250	175,136	44,094	1,013,706
7 Value of Inventory Change	..	(805)	(588)	(697)	3,149	2,581	(1,138)	(4,543)	15,792	(249)	(13,502)
8 Total Gross Income (4+7)	..	17,750	41,064	42,517	277,652	511,046	180,068	426,746	325,436	82,251	1,904,530
9 Total Net Income (8-5)	..	8,100	21,078	23,298	144,091	242,698	102,463	250,707	190,928	43,845	1,027,208
<b>1947</b>											
1 Receipts from Farm Operations	..	17,167	32,277	35,960	260,204	535,194	181,787	430,613	346,206	84,824	1,924,232
2 Income in Kind	..	2,938	8,130	9,812	51,994	47,714	15,275	33,146	24,146	7,790	200,945
3 Supplementary Payments	..	0	0	0	0	0	6	9,839	1,732	0	11,577
4 Realized Gross Income (1+2+3)	..	20,105	40,407	45,772	312,198	582,908	197,068	473,598	372,084	92,614	2,136,754
5 Operating Expenses and Depreciation	..	10,855	22,912	21,823	157,930	311,753	88,240	195,286	156,202	44,977	1,009,978
6 Realized Net Income (4-5)	..	9,250	17,495	23,949	154,268	271,155	108,828	278,312	215,882	47,637	1,126,776
7 Value of Inventory Change	..	(35)	(1,546)	(301)	(2,902)	(8,171)	1,954	(35,159)	(2,401)	(2,216)	(50,777)
8 Total Gross Income (4+7)	..	20,070	38,861	45,471	309,296	574,737	199,022	438,439	369,683	90,398	2,085,977
9 Total Net Income (8-5)	..	9,215	15,949	23,648	151,366	262,984	110,782	243,153	213,481	45,421	1,075,999
<b>1948</b>											
1 Receipts from Farm Operations	..	21,351	34,053	42,352	319,367	650,256	245,771	533,906	440,534	93,737	2,381,327
2 Income in Kind	..	3,418	8,865	10,478	53,865	54,777	17,368	37,963	26,964	8,750	222,448
3 Supplementary Payments	..	0	0	0	0	0	506	16,705	3,533	4	20,748
4 Realized Gross Income (1+2+3)	..	24,769	42,918	52,830	373,232	705,033	263,645	588,574	471,031	102,491	2,624,523
5 Operating Expenses and Depreciation	..	12,471	22,888	23,388	162,634	349,753	101,495	216,972	175,029	49,333	1,113,963
6 Realized Net Income (4-5)	..	12,298	20,030	29,442	210,598	355,280	162,150	371,602	296,002	53,158	1,510,560
7 Value of Inventory Change	..	(195)	(1,038)	(1,416)	(3,278)	(3,609)	10,454	(3,331)	(6,674)	(3,531)	(12,618)
8 Total Gross Income (4+7)	..	24,574	41,880	51,414	369,954	701,424	274,099	585,243	464,357	98,960	2,611,905
9 Total Net Income (8-5)	..	12,103	18,992	28,026	207,320	351,671	172,604	368,271	289,328	49,627	1,497,942
<b>1949</b>											
1 Receipts from Farm Operations	..	20,449	32,607	40,387	307,337	650,553	246,976	564,843	444,372	90,042	2,397,566
2 Income in Kind	..	3,208	8,033	9,262	47,411	50,955	16,603	34,041	25,791	8,234	203,538
3 Supplementary Payments	..	0	0	0	0	0	58	14,210	3,360	0	17,628
4 Realized Gross Income (1+2+3)	..	23,657	40,640	49,649	354,748	701,508	263,637	613,094	473,523	98,276	2,618,732
5 Operating Expenses and Depreciation	..	12,703	22,749	23,499	167,416	361,278	109,445	234,125	182,759	49,603	1,163,577
6 Realized Net Income (4-5)	..	10,954	17,891	26,150	187,332	340,230	154,192	378,969	290,764	48,673	1,455,155
7 Value of Inventory Change	..	1,129	206	112	(2,370)	(4,286)	(20,524)	(23,995)	(52,113)	3,768	(98,073)
8 Total Gross Income (4+7)	..	24,786	40,846	49,761	352,378	697,222	243,113	589,099	421,410	102,044	2,520,659
9 Total Net Income (8-5)	..	12,083	18,097	26,262	184,962	335,944	133,668	354,974	238,651	52,441	1,357,082

	'000 OF DOLLARS										
	N.L.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>1950</b>											
1 Receipts from Farm Operations	..	21,415	35,314	41,348	321,160	649,960	198,644	410,043	354,033	90,061	2,121,978
2 Income in Kind	..	2,865	7,269	9,005	46,545	48,251	16,045	32,859	24,653	7,752	195,244
3 Supplementary Payments	..	0	0	0	0	0	323	8,227	5,256	0	13,806
4 Realized Gross Income (1+2+3)	..	24,280	42,583	50,353	367,705	698,211	215,012	451,129	383,942	97,813	2,331,028
5 Operating Expenses and Depreciation	..	12,901	22,006	23,516	176,234	385,403	115,547	252,285	202,372	51,145	1,241,409
6 Realized Net Income (4-5)	..	11,379	20,577	26,837	191,471	312,808	99,465	198,844	181,570	46,668	1,089,619
7 Value of Inventory Change	..	(526)	(235)	(1,238)	2,057	47,936	15,330	64,063	7,462	(3,007)	131,842
8 Total Gross Income (4+7)	..	23,754	42,348	49,115	369,762	746,147	230,342	515,192	391,404	94,806	2,462,870
9 Total Net Income (8-5)	..	10,853	20,342	25,599	193,528	360,744	114,795	262,907	189,032	43,661	1,221,461
<b>1951</b>											
1 Receipts from Farm Operations	..	24,785	41,591	43,706	376,205	784,073	271,623	625,869	450,291	107,039	2,725,182
2 Income in Kind	..	3,440	8,078	9,689	54,867	53,888	17,941	34,984	28,880	8,700	220,467
3 Supplementary Payments	..	0	0	0	0	0	388	5,546	4,235	187	10,356
4 Realized Gross Income (1+2+3)	..	28,225	49,669	53,395	431,072	837,961	289,952	666,399	483,406	115,926	2,956,005
5 Operating Expenses and Depreciation	..	13,383	24,869	26,284	198,111	433,175	122,373	277,380	227,007	56,223	1,378,805
6 Realized Net Income (4-5)	..	14,842	24,800	27,111	232,961	404,786	167,579	389,019	256,399	59,703	1,577,200
7 Value of Inventory Change	..	571	(53)	5	12,689	34,206	9,336	140,640	129,175	864	327,433
8 Total Gross Income (4+7)	..	28,796	49,616	53,400	443,761	872,167	299,288	807,039	612,581	116,790	3,283,438
9 Total Net Income (8-5)	..	15,413	24,747	27,116	245,650	438,992	176,915	529,659	385,574	60,567	1,904,633
<b>1952</b>											
1 Receipts from Farm Operations	..	31,836	41,863	50,018	379,626	739,254	243,706	701,606	502,765	107,860	2,798,534
2 Income in Kind	..	3,427	8,569	9,889	57,038	50,806	17,218	33,164	27,339	8,980	216,430
3 Supplementary Payments	..	0	0	0	0	0	179	2,560	2,349	43	5,131
4 Realized Gross Income (1+2+3)	..	35,263	50,432	59,907	436,664	790,060	261,103	737,330	532,453	116,883	3,020,095
5 Operating Expenses and Depreciation	..	15,620	25,824	27,953	210,855	448,656	126,411	301,689	237,421	57,704	1,452,133
6 Realized Net Income (4-5)	..	19,643	24,608	31,954	225,809	341,404	134,692	435,641	295,032	59,179	1,567,962
7 Value of Inventory Change	..	4,318	1,666	735	3,602	19,025	23,473	169,827	55,998	3,521	282,165
8 Total Gross Income (4+7)	..	39,581	52,098	60,642	440,266	809,085	284,576	907,157	588,451	120,404	3,302,260
9 Total Net Income (8-5)	..	23,961	26,274	32,689	229,411	360,429	158,165	605,468	351,030	62,700	1,850,127
<b>1953</b>											
1 Receipts from Farm Operations	..	22,231	41,936	38,015	350,674	715,952	218,943	731,199	478,432	111,208	2,708,590
2 Income in Kind	..	3,024	7,044	8,148	50,444	45,874	15,449	30,758	25,171	8,013	193,925
3 Supplementary Payments	..	0	0	0	0	0	195	778	559	40	1,572
4 Realized Gross Income (1+2+3)	..	25,255	48,980	46,163	401,118	761,826	234,587	762,735	504,162	119,261	2,904,087
5 Operating Expenses and Depreciation	..	15,587	25,326	27,666	205,100	455,240	127,517	296,802	241,038	59,290	1,453,566
6 Realized Net Income (4-5)	..	9,668	23,654	18,497	196,018	306,586	107,070	465,933	263,124	59,971	1,450,521
7 Value of Inventory Change	..	1,236	(170)	1,773	4,901	16,383	1,985	12,471	31,912	4,068	74,559
8 Total Gross Income (4+7)	..	26,491	48,810	47,936	406,019	778,209	236,572	775,206	536,074	123,329	2,978,646
9 Total Net Income (8-5)	..	10,904	23,484	20,270	200,919	322,969	109,055	478,404	295,036	64,039	1,525,080
<b>1954</b>											
1 Receipts from Farm Operations	..	23,198	43,474	40,591	352,488	693,741	187,716	463,169	378,012	110,319	2,292,708
2 Income in Kind	..	2,726	6,678	7,600	46,902	43,578	14,090	29,380	22,890	7,132	180,976
3 Supplementary Payments	..	0	0	0	0	0	599	797	1,031	0	2,427
4 Realized Gross Income (1+2+3)	..	25,924	50,152	48,191	399,390	737,319	202,405	493,346	401,933	117,451	2,476,111
5 Operating Expenses and Depreciation	..	15,677	26,054	27,448	220,310	472,619	123,653	273,801	233,208	62,168	1,454,938
6 Realized Net Income (4-5)	..	10,247	24,098	20,743	179,080	264,700	78,752	219,545	168,725	55,283	1,021,173
7 Value of Inventory Change	..	(783)	217	(2,309)	422	13,175	(12,480)	(84,192)	5,864	2,935	(77,151)
8 Total Gross Income (4+7)	..	25,141	50,369	45,882	399,812	750,494	189,925	409,154	407,797	120,386	2,398,960
9 Total Net Income (8-5)	..	9,464	24,315	18,434	179,502	277,875	66,272	135,353	174,589	58,218	944,022
<b>1955</b>											
1 Receipts from Farm Operations	..	24,298	41,417	37,065	359,910	723,857	173,027	416,018	356,932	106,534	2,239,058
2 Income in Kind	..	2,743	6,224	7,325	46,746	40,110	13,074	27,483	21,227	6,858	171,790
3 Supplementary Payments	..	0	0	0	0	0	5,342	22,134	5,776	86	33,338
4 Realized Gross Income (1+2+3)	..	27,041	47,641	44,390	406,656	763,967	191,443	465,635	383,935	113,478	2,444,186
5 Operating Expenses and Depreciation	..	16,884	26,405	28,119	229,782	487,913	125,002	293,124	244,853	63,757	1,515,839
6 Realized Net Income (4-5)	..	10,157	21,236	16,271	176,874	276,054	66,441	172,511	139,082	49,721	928,347
7 Value of Inventory Change	..	605	(146)	2,481	3,341	(27,090)	17,775	151,353	52,956	1,559	202,834
8 Total Gross Income (4+7)	..	27,646	47,495	46,871	409,997	736,877	209,218	616,988	436,891	115,037	2,647,020
9 Total Net Income (8-5)	..	10,762	21,090	18,752	180,215	248,964	84,216	323,864	192,038	51,280	1,131,181



	'000 OF DOLLARS										
	N.L.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>1956</b>											
1 Receipts from Farm Operations	..	25,153	43,759	43,479	363,530	718,654	208,685	584,509	426,599	114,932	2,529,300
2 Income in Kind	..	2,732	6,090	6,939	45,513	35,730	12,602	26,855	20,537	7,218	164,216
3 Supplementary Payments	..	0	0	0	0	0	2,360	1,179	1,319	146	5,004
4 Realized Gross Income (1+2+3)	..	27,885	49,849	50,418	409,043	754,384	223,647	612,543	448,455	122,296	2,698,520
5 Operating Expenses and Depreciation	..	17,016	28,234	29,748	252,130	537,692	131,077	304,869	256,108	68,913	1,625,787
6 Realized Net Income (4-5)	..	10,869	21,615	20,670	156,913	216,692	92,570	307,674	192,347	53,383	1,072,733
7 Value of Inventory Change	..	242	(1,246)	345	6,676	22,173	31,675	91,981	44,044	(923)	194,967
8 Total Gross Income (4+7)	..	28,127	48,603	50,763	415,719	776,557	255,322	704,524	492,499	121,373	2,893,487
9 Total Net Income (8-5)	..	11,111	20,369	21,015	163,589	238,865	124,245	399,655	236,391	52,460	1,267,700
<b>1957</b>											
1 Receipts from Farm Operations	..	23,658	43,242	40,827	376,221	758,954	197,631	525,817	433,551	116,016	2,515,917
2 Income in Kind	..	2,555	5,588	6,288	43,772	35,063	13,224	27,024	20,769	6,512	160,795
3 Supplementary Payments	..	0	0	0	0	0	501	574	905	7	1,987
4 Realized Gross Income (1+2+3)	..	26,213	48,830	47,115	419,993	794,017	211,356	553,415	455,225	122,535	2,678,699
5 Operating Expenses and Depreciation	..	17,032	27,243	28,764	251,232	536,351	130,772	300,659	260,930	69,216	1,622,199
6 Realized Net Income (4-5)	..	9,181	21,587	18,351	168,761	257,666	80,584	252,756	194,295	53,319	1,056,500
7 Value of Inventory Change	..	1,142	(1,639)	(967)	(3,228)	15,633	(12,446)	(76,282)	(40,350)	(6)	(118,143)
8 Total Gross Income (4+7)	..	27,355	47,191	46,148	416,765	809,650	198,910	477,133	414,875	122,529	2,560,556
9 Total Net Income (8-5)	..	10,323	19,948	17,384	165,533	273,299	68,138	176,474	153,945	53,313	938,357
<b>1958</b>											
1 Receipts from Farm Operations	..	27,075	43,128	42,197	414,406	837,192	222,153	565,937	480,677	121,464	2,754,229
2 Income in Kind	..	2,599	5,190	5,817	42,608	34,775	13,876	28,097	21,836	6,369	161,167
3 Supplementary Payments	..	0	0	0	0	0	8,650	31,710	19,394	374	60,128
4 Realized Gross Income (1+2+3)	..	29,674	48,318	48,014	457,014	871,967	244,679	625,744	521,907	128,207	2,975,524
5 Operating Expenses and Depreciation	..	18,042	28,526	30,168	278,944	573,229	136,004	310,338	277,673	73,876	1,726,800
6 Realized Net Income (4-5)	..	11,632	19,792	17,846	178,070	298,738	108,675	315,406	244,234	54,331	1,248,724
7 Value of Inventory Change	..	(1,062)	(942)	(2,492)	(5,874)	31,861	15,548	(76,866)	(6,432)	(665)	(46,924)
8 Total Gross Income (4+7)	..	28,612	47,376	45,522	451,140	903,828	260,227	548,878	515,475	127,542	2,928,600
9 Total Net Income (8-5)	..	10,570	18,850	15,354	172,196	330,599	124,223	238,540	237,802	53,666	1,201,800
<b>1959</b>											
1 Receipts from Farm Operations	..	27,468	44,045	41,311	410,196	843,132	228,809	555,256	478,770	124,886	2,753,873
2 Income in Kind	..	2,425	4,912	5,017	41,752	32,956	12,696	25,280	19,792	5,839	150,669
3 Supplementary Payments	..	0	0	0	0	0	1,719	13,104	7,128	136	22,087
4 Realized Gross Income (1+2+3)	..	29,893	48,957	46,328	451,948	876,088	243,224	593,640	505,690	130,861	2,926,629
5 Operating Expenses and Depreciation	..	18,892	29,562	31,540	294,409	615,145	142,141	322,847	295,164	80,015	1,829,715
6 Realized Net Income (4-5)	..	11,001	19,395	14,788	157,539	260,943	101,083	270,793	210,526	50,846	1,096,914
7 Value of Inventory Change	..	(2,426)	(453)	(2,155)	(3,006)	(9,371)	(3,774)	(43,512)	(1,868)	2,982	(63,583)
8 Total Gross Income (4+7)	..	27,467	48,504	44,173	448,942	866,717	239,450	550,128	503,822	133,843	2,863,046
9 Total Net Income (8-5)	..	8,575	18,942	12,633	154,533	251,572	97,309	227,281	208,658	53,828	1,033,331
<b>1960</b>											
1 Receipts from Farm Operations	..	28,114	43,682	45,057	402,505	850,334	223,113	542,684	471,362	127,647	2,734,498
2 Income in Kind	..	2,332	4,406	4,582	40,365	32,584	11,923	24,831	20,148	5,504	146,675
3 Supplementary Payments	..	0	0	0	0	0	9,724	42,181	25,010	289	77,204
4 Realized Gross Income (1+2+3)	..	30,446	48,088	49,639	442,870	882,918	244,760	609,696	516,520	133,440	2,958,377
5 Operating Expenses and Depreciation	..	19,018	30,252	31,398	302,324	628,424	150,298	348,966	306,082	83,541	1,900,303
6 Realized Net Income (4-5)	..	11,428	17,836	18,241	140,546	254,494	94,462	260,730	210,438	49,899	1,058,074
7 Value of Inventory Change	..	1,248	(211)	818	1,025	8,148	8,396	67,758	(21,190)	1,912	67,904
8 Total Gross Income (4+7)	..	31,694	47,877	50,457	443,895	891,066	253,156	677,454	495,330	135,352	3,026,281
9 Total Net Income (8-5)	..	12,676	17,625	19,059	141,571	262,642	102,858	328,488	189,248	51,811	1,125,978
<b>1961</b>											
1 Receipts from Farm Operations	..	23,049	46,178	39,113	417,497	872,530	239,347	588,971	526,256	134,975	2,887,916
2 Income in Kind	..	2,215	3,522	4,037	37,662	31,012	12,243	24,335	19,337	5,308	139,671
3 Supplementary Payments	..	390	0	0	0	0	3,414	23,627	8,233	102	35,766
4 Realized Gross Income (1+2+3)	..	25,654	49,700	43,150	455,159	903,542	255,004	636,933	553,826	140,385	3,063,353
5 Operating Expenses and Depreciation	..	19,707	31,385	32,051	299,874	658,293	153,139	339,560	323,303	91,390	1,948,702
6 Realized Net Income (4-5)	..	5,947	18,315	11,099	155,285	245,249	101,865	297,373	230,523	48,995	1,114,651
7 Value of Inventory Change	..	782	(5)	810	(262)	27,792	(57,037)	(209,135)	(40,214)	3,743	(273,526)
8 Total Gross Income (4+7)	..	26,436	49,695	43,960	454,897	931,334	197,967	427,798	513,612	144,128	2,789,827
9 Total Net Income (8-5)	..	6,729	18,310	11,909	155,023	273,041	44,828	88,238	190,309	52,738	841,125

	'000 OF DOLLARS										
	N.L.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>1962</b>											
1 Receipts from Farm Operations	..	24,146	46,163	40,878	442,223	931,126	250,952	673,321	554,006	149,121	3,111,936
2 Income in Kind	..	2,015	3,454	3,849	35,708	30,876	11,444	23,065	19,171	5,328	134,910
3 Supplementary Payments	..	0	0	0	0	0	11,765	36,861	21,387	300	70,313
4 Realized Gross Income (1+2+3)	..	26,161	49,617	44,727	477,931	962,002	274,161	733,247	594,564	154,749	3,317,159
5 Operating Expenses and Depreciation	..	20,093	33,506	32,669	317,861	675,317	167,938	370,808	345,446	98,942	2,062,580
6 Realized Net Income (4-5)	..	6,068	16,111	12,058	160,070	286,685	106,223	362,439	249,118	55,807	1,254,579
7 Value of Inventory Change	..	(154)	(938)	(1,054)	3,363	22,001	52,514	95,448	21,174	1,592	193,946
8 Total Gross Income (4+7)	..	26,007	48,679	43,673	481,294	984,003	326,675	828,695	615,738	156,341	3,511,105
9 Total Net Income (8-5)	..	5,914	15,173	11,004	163,433	308,686	158,737	457,887	270,292	57,399	1,448,525
<b>1963</b>											
1 Receipts from Farm Operations	..	25,459	46,788	41,070	452,558	1,001,982	269,994	692,157	521,628	148,215	3,199,851
2 Income in Kind	..	2,032	3,213	3,469	34,159	30,959	11,057	21,931	18,973	5,344	131,137
3 Supplementary Payments	..	0	0	0	0	0	1,754	6,091	6,895	29	14,769
4 Realized Gross Income (1+2+3)	..	27,491	50,001	44,539	486,717	1,032,941	282,805	720,179	547,496	153,588	3,345,757
5 Operating Expenses and Depreciation	..	21,615	35,742	32,831	338,492	727,320	172,311	404,662	368,678	101,016	2,202,667
6 Realized Net Income (4-5)	..	5,876	14,259	11,708	148,225	305,621	110,494	315,517	178,818	52,572	1,143,090
7 Value of Inventory Change	..	937	(133)	(47)	(742)	(31,764)	(3,936)	231,320	103,270	3,670	302,575
8 Total Gross Income (4+7)	..	28,428	49,868	44,492	485,975	1,001,177	278,869	951,499	650,766	157,258	3,648,332
9 Total Net Income (8-5)	..	6,813	14,126	11,661	147,483	273,857	106,558	546,837	282,088	56,242	1,445,665
<b>1964</b>											
1 Receipts from Farm Operations	..	31,469	45,896	47,484	457,403	1,020,203	299,313	842,221	597,712	153,945	3,495,646
2 Income in Kind	..	1,948	3,168	3,278	33,175	30,261	10,495	20,935	18,186	5,156	126,602
3 Supplementary Payments	..	0	0	0	0	0	2,217	1,634	4,466	160	8,477
4 Realized Gross Income (1+2+3)	..	33,417	49,064	50,762	490,578	1,050,464	312,025	864,790	620,364	159,261	3,630,725
5 Operating Expenses and Depreciation	..	22,716	36,629	33,145	352,478	779,269	185,260	421,561	400,607	107,905	2,339,570
6 Realized Net Income (4-5)	..	10,701	12,435	17,617	138,100	271,195	126,765	443,229	219,757	51,356	1,291,155
7 Value of Inventory Change	..	943	(345)	153	(2,699)	(16,069)	28,985	(108,880)	7,895	4,317	(85,700)
8 Total Gross Income (4+7)	..	34,360	48,719	50,915	487,879	1,034,395	341,010	755,910	628,259	163,578	3,545,025
9 Total Net Income (8-5)	..	11,644	12,090	17,770	135,401	255,126	155,750	334,349	227,652	55,673	1,205,455
<b>1965</b>											
1 Receipts from Farm Operations	..	40,665	51,268	59,951	506,668	1,101,871	342,249	886,884	664,448	164,298	3,818,302
2 Income in Kind	..	2,102	3,204	3,215	33,023	30,535	11,058	21,475	19,224	5,328	129,164
3 Supplementary Payments	..	0	0	0	965	364	364	7,026	3,967	76	12,762
4 Realized Gross Income (1+2+3)	..	42,767	54,472	63,166	540,656	1,132,770	353,671	915,385	687,639	169,702	3,960,228
5 Operating Expenses and Depreciation	..	25,731	40,276	37,166	376,245	827,943	199,722	469,539	429,870	117,098	2,523,590
6 Realized Net Income (4-5)	..	17,036	14,196	26,000	164,411	304,827	153,949	445,846	257,769	52,604	1,436,638
7 Value of Inventory Change	..	(2,664)	(214)	(1,668)	(8,527)	(1,474)	10,180	23,807	28,771	5	48,216
8 Total Gross Income (4+7)	..	40,103	54,258	61,498	532,129	1,131,296	363,851	939,192	716,410	169,707	4,008,444
9 Total Net Income (8-5)	..	14,372	13,982	24,332	155,884	303,353	164,129	469,653	286,540	52,609	1,484,854
<b>1966</b>											
1 Receipts from Farm Operations	..	37,281	55,292	52,443	592,431	1,256,350	377,213	949,242	762,580	189,383	4,272,215
2 Income in Kind	..	2,101	3,122	2,632	31,773	32,256	10,287	19,727	18,415	5,726	126,039
3 Supplementary Payments	..	150	0	691	22,782	9,640	666	1,414	5,983	19	41,345
4 Realized Gross Income (1+2+3)	..	39,532	58,414	55,766	646,986	1,298,246	388,166	970,383	786,978	195,128	4,439,599
5 Operating Expenses and Depreciation	..	27,908	43,427	38,817	410,585	903,789	223,574	520,309	470,462	132,693	2,771,564
6 Realized Net Income (4-5)	..	11,624	14,987	16,949	236,401	394,457	164,592	450,074	316,516	62,435	1,668,035
7 Value of Inventory Change	..	5,190	(700)	4,038	10,449	40,237	(27,109)	105,883	35,850	(446)	173,392
8 Total Gross Income (4+7)	..	44,722	57,714	59,804	657,435	1,338,483	361,057	1,076,266	822,828	194,682	4,612,991
9 Total Net Income (8-5)	..	16,814	14,287	20,987	246,850	434,694	137,483	555,957	352,366	61,989	1,841,427
<b>1967</b>											
1 Receipts from Farm Operations	..	34,282	55,812	48,544	623,283	1,293,778	374,569	972,173	793,985	199,254	4,395,680
2 Income in Kind	..	1,889	2,914	2,328	31,193	30,416	9,821	20,315	17,450	5,413	121,739
3 Supplementary Payments	..	0	0	0	2,442	0	233	1,557	1,898	7	6,137
4 Realized Gross Income (1+2+3)	..	36,171	58,726	50,872	656,918	1,324,194	384,623	994,045	813,333	204,674	4,523,556
5 Operating Expenses and Depreciation	..	29,050	44,517	38,008	439,839	987,821	248,331	532,589	509,810	140,581	2,970,546
6 Realized Net Income (4-5)	..	7,121	14,209	12,864	217,079	336,373	136,292	461,456	303,523	64,093	1,553,010
7 Value of Inventory Change	..	(1,922)	(843)	(2,155)	(7,694)	(687)	15,964	(128,209)	(42,141)	(1,352)	(169,039)
8 Total Gross Income (4+7)	..	34,249	57,883	48,717	649,224	1,323,507	400,587	865,836	771,192	203,322	4,354,517
9 Total Net Income (8-5)	..	5,199	13,366	10,709	209,385	335,686	152,256	333,247	261,382	62,741	1,383,971

	'000 OF DOLLARS										
	N.L.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>1968</b>											
1 Receipts from Farm Operations	..	34,999	56,960	49,559	638,245	1,327,911	364,707	884,055	803,127	209,849	4,369,412
2 Income in Kind	..	1,797	2,680	2,358	31,301	30,594	9,770	19,170	17,209	5,697	120,576
3 Supplementary Payments	..	0	0	0	0	0	156	5,453	2,151	208	7,968
4 Realized Gross Income (1+2+3)	..	36,796	59,640	51,917	669,546	1,358,505	374,633	908,678	822,487	215,754	4,497,956
5 Operating Expenses and Depreciation	..	30,490	45,986	38,705	441,088	1,008,883	262,338	558,892	549,305	144,374	3,080,061
6 Realized Net Income (4-5)	..	6,306	13,654	13,212	228,458	349,622	112,295	349,786	273,182	71,380	1,417,895
7 Value of Inventory Change	..	1,981	301	1,192	378	8,037	50,517	103,779	61,972	3,728	231,885
8 Total Gross Income (4+7)	..	38,777	59,941	53,109	669,924	1,366,542	425,150	1,012,457	884,459	219,482	4,729,841
9 Total Net Income (8-5)	..	8,287	13,955	14,404	228,836	357,659	162,812	453,565	335,154	75,108	1,649,780
<b>1969</b>											
1 Receipts from Farm Operations	..	38,303	66,009	52,757	670,386	1,400,210	350,569	713,654	737,592	203,261	4,232,741
2 Income in Kind	..	1,699	2,651	2,299	32,158	32,564	10,481	20,728	18,502	6,231	127,313
3 Supplementary Payments	..	0	0	0	0	968	497	5,913	2,429	128	9,935
4 Realized Gross Income (1+2+3)	..	40,002	68,660	55,056	702,544	1,433,742	361,547	740,295	758,523	209,620	4,369,989
5 Operating Expenses and Depreciation	..	31,561	48,742	39,398	455,577	1,046,391	252,646	567,079	552,488	155,950	3,149,832
6 Realized Net Income (4-5)	..	8,441	19,918	15,658	246,967	387,351	108,901	173,216	206,035	53,670	1,220,157
7 Value of Inventory Change	..	365	(101)	(754)	4,820	(18,812)	8,913	244,071	44,745	2,569	285,816
8 Total Gross Income (4+7)	..	40,367	68,559	54,302	707,364	1,414,930	370,460	984,366	803,268	212,189	4,655,805
9 Total Net Income (8-5)	..	8,806	19,817	14,904	251,787	368,539	117,814	417,287	250,780	56,239	1,505,973
<b>1970</b>											
1 Receipts from Farm Operations	..	44,613	67,644	58,486	667,414	1,410,863	335,731	686,057	705,073	216,762	4,192,643
2 Income in Kind	..	1,564	2,445	2,197	30,498	30,639	9,600	18,985	17,217	6,142	119,287
3 Supplementary Payments	..	0	0	0	0	0	5,696	37,189	14,493	829	58,207
4 Realized Gross Income (1+2+3)	..	46,177	70,089	60,683	697,912	1,441,502	351,027	742,231	736,783	223,733	4,370,137
5 Operating Expenses and Depreciation	..	31,326	49,876	39,189	463,047	1,082,042	247,068	520,557	549,873	174,521	3,157,499
6 Realized Net Income (4-5)	..	14,851	20,213	21,494	234,865	359,460	103,959	221,674	186,910	49,212	1,212,638
7 Value of Inventory Change	..	361	161	(98)	12,323	9,045	(15,185)	19,325	32,147	4,918	62,997
8 Total Gross Income (4+7)	..	46,538	70,250	60,585	710,235	1,450,547	335,842	761,556	768,930	228,651	4,433,134
9 Total Net Income (8-5)	..	15,212	20,374	21,396	247,188	368,505	88,774	240,999	219,057	54,130	1,275,635

Net farm income - Agriculture economic statistics

June 1997

	'000 OF DOLLARS										
	N.L.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>1971</b>											
+Total cash receipts	..	38,571	64,649	52,761	689,912	1,437,813	378,449	955,296	813,577	222,069	4,653,097
-Operating exp. after rebates	..	30,874	50,371	37,681	463,051	1,033,377	223,880	456,671	501,724	178,639	2,976,268
=Net cash income	..	7,697	14,278	15,080	226,861	404,436	154,569	498,625	311,853	43,430	1,676,829
+Income in kind	..	1,358	2,134	1,891	29,917	29,305	8,624	17,877	16,122	6,177	113,405
-Depreciation charges	..	4,733	5,713	5,156	60,008	153,424	54,375	134,161	122,192	21,062	560,824
=Realized net income	..	4,322	10,699	11,815	196,770	280,317	108,818	382,341	205,783	28,545	1,229,410
+Value of inventory change	..	(2,076)	(1,269)	1,192	(13,149)	1,712	39,063	55,807	(1,749)	6,080	85,611
<b>=Total net income</b>	<b>..</b>	<b>2,246</b>	<b>9,430</b>	<b>13,007</b>	<b>183,621</b>	<b>282,029</b>	<b>147,881</b>	<b>438,148</b>	<b>204,034</b>	<b>34,625</b>	<b>1,315,021</b>
<b>1972</b>											
+Total cash receipts	12,667	45,142	72,481	64,802	799,090	1,647,141	497,583	1,210,802	964,657	250,903	5,565,268
-Operating exp. after rebates	8,986	34,469	53,750	43,671	503,452	1,141,642	262,406	502,904	574,599	189,411	3,315,290
=Net cash income	3,681	10,673	18,731	21,131	295,638	505,499	235,177	707,898	390,058	61,492	2,249,978
+Income in kind	226	1,474	2,256	2,322	34,157	29,931	9,536	19,557	17,348	6,376	123,183
-Depreciation charges	746	5,068	6,206	5,488	64,416	165,128	56,079	140,042	129,528	22,145	594,846
=Realized net income	3,161	7,079	14,781	17,965	265,379	370,302	188,634	587,413	277,878	45,723	1,778,315
+Value of inventory change	0	(1,236)	234	(5,998)	(5,326)	(48,662)	(31,967)	(220,768)	17,530	4,673	(291,520)
<b>=Total net income</b>	<b>3,161</b>	<b>5,843</b>	<b>15,015</b>	<b>11,967</b>	<b>260,053</b>	<b>321,640</b>	<b>156,667</b>	<b>366,645</b>	<b>295,408</b>	<b>50,396</b>	<b>1,486,795</b>
<b>1973</b>											
+Total cash receipts	15,683	73,399	97,134	94,292	978,635	2,080,210	629,592	1,469,835	1,244,470	348,527	7,031,777
-Operating exp. after rebates	10,851	40,204	68,005	49,932	647,561	1,361,207	320,769	627,503	723,777	237,411	4,087,220
=Net cash income	4,832	33,195	29,129	44,360	331,074	719,003	308,823	842,332	520,693	111,116	2,944,557
+Income in kind	239	1,659	3,267	2,633	48,769	41,053	11,615	23,240	20,754	7,556	160,785
-Depreciation charges	845	5,571	6,970	6,006	70,874	189,982	61,078	155,762	144,529	24,778	666,395
=Realized net income	4,226	29,283	25,426	40,987	308,969	570,074	259,360	709,810	396,918	93,894	2,438,947
+Value of inventory change	0	2,536	76	(2,701)	18,268	89,826	95,401	159,944	202,476	12,013	577,839
<b>=Total net income</b>	<b>4,226</b>	<b>31,819</b>	<b>25,502</b>	<b>38,286</b>	<b>327,237</b>	<b>659,900</b>	<b>354,761</b>	<b>869,754</b>	<b>599,394</b>	<b>105,907</b>	<b>3,016,786</b>
<b>1974</b>											
+Total cash receipts	18,057	86,065	102,674	103,876	1,178,908	2,471,584	829,790	2,089,593	1,747,971	410,992	9,039,510
-Operating exp. after rebates	12,105	50,426	81,826	60,994	791,584	1,581,664	412,389	764,098	929,068	303,523	4,987,677
=Net cash income	5,952	35,639	20,848	42,882	387,324	889,920	417,401	1,325,495	818,903	107,469	4,051,833
+Income in kind	249	1,665	2,936	2,421	41,641	38,497	10,409	20,357	18,303	7,005	143,483
-Depreciation charges	1,059	6,853	8,608	7,318	83,544	239,869	79,170	202,959	188,921	32,429	850,730
=Realized net income	5,142	30,451	15,176	37,985	345,421	688,548	348,640	1,142,893	648,285	82,045	3,344,586
+Value of inventory change	0	20,472	1,679	15,134	22,590	(36,129)	(48,590)	(26,135)	(8,698)	747	(58,930)
<b>=Total net income</b>	<b>5,142</b>	<b>50,923</b>	<b>16,855</b>	<b>53,119</b>	<b>368,011</b>	<b>652,419</b>	<b>300,050</b>	<b>1,116,758</b>	<b>639,587</b>	<b>82,792</b>	<b>3,285,656</b>
<b>1975</b>											
+Total cash receipts	19,045	86,045	114,114	99,540	1,387,634	2,689,356	950,502	2,531,975	1,901,742	429,168	10,209,121
-Operating exp. after rebates	13,378	57,395	90,874	69,000	883,782	1,760,951	482,015	891,777	1,053,784	339,076	5,642,032
=Net cash income	5,667	28,650	23,240	30,540	503,852	928,405	468,487	1,640,198	847,958	90,092	4,567,089
+Income in kind	244	1,535	2,781	2,071	39,923	37,533	9,471	18,019	16,844	7,216	135,637
-Depreciation charges	1,234	8,225	10,444	9,191	101,758	305,805	106,069	276,864	254,998	41,863	1,116,451
=Realized net income	4,677	21,960	15,577	23,420	442,017	660,133	371,889	1,381,353	609,804	55,445	3,586,275
+Value of inventory change	0	(9,051)	814	(6,041)	(13,647)	94,282	8,614	68,992	98,786	5,122	247,871
<b>=Total net income</b>	<b>4,677</b>	<b>12,909</b>	<b>16,391</b>	<b>17,379</b>	<b>428,370</b>	<b>754,415</b>	<b>380,503</b>	<b>1,450,345</b>	<b>708,590</b>	<b>60,567</b>	<b>3,834,146</b>
<b>1976</b>											
+Total cash receipts	20,531	105,582	125,273	115,608	1,387,775	2,788,958	890,082	2,283,218	1,896,726	482,634	10,096,387
-Operating exp. after rebates	14,660	61,566	94,043	74,359	936,056	1,858,932	548,452	1,038,180	1,207,035	388,673	6,221,956
=Net cash income	5,871	44,016	31,230	41,249	451,719	930,026	341,630	1,245,038	689,691	93,961	3,874,431
+Income in kind	330	1,886	4,282	2,953	45,422	42,677	11,746	21,582	20,614	7,538	159,030
-Depreciation charges	1,344	9,303	11,837	10,358	118,943	356,506	130,798	346,111	312,899	48,708	1,346,807
=Realized net income	4,857	36,599	23,675	33,844	378,198	616,197	222,578	920,509	397,406	52,791	2,686,654
+Value of inventory change	250	7,652	(873)	(4)	(2,269)	(141,955)	40,487	269,188	97,009	(3,018)	266,467
<b>=Total net income</b>	<b>5,107</b>	<b>44,251</b>	<b>22,802</b>	<b>33,840</b>	<b>375,929</b>	<b>474,242</b>	<b>263,065</b>	<b>1,189,697</b>	<b>494,415</b>	<b>49,773</b>	<b>2,953,121</b>

	'000 OF DOLLARS										
	N.L.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>1977</b>											
+Total cash receipts	21,947	89,641	132,849	110,898	1,458,257	2,875,687	884,701	2,173,425	1,962,715	523,858	10,233,978
-Operating exp. after rebates	15,378	65,964	94,155	79,341	1,033,452	2,010,199	611,038	1,110,960	1,280,977	428,530	6,729,994
=Net cash income	6,569	23,677	38,694	31,557	424,805	865,488	273,663	1,062,465	681,738	95,328	3,503,984
+Income in kind	284	1,744	3,624	2,624	41,812	42,183	10,001	20,772	20,348	7,458	150,850
-Depreciation charges	1,357	10,212	12,759	11,093	136,484	384,866	146,234	386,689	361,430	54,518	1,505,642
=Realized net income	5,496	15,209	29,559	23,088	330,133	522,805	137,430	696,548	340,656	48,268	2,149,192
+Value of inventory change	(6)	3,031	(236)	(167)	(3,621)	96,447	134,215	52,638	(74,879)	16,103	223,525
<b>=Total net income</b>	<b>5,490</b>	<b>18,240</b>	<b>29,323</b>	<b>22,921</b>	<b>326,512</b>	<b>619,252</b>	<b>271,645</b>	<b>749,186</b>	<b>265,777</b>	<b>64,371</b>	<b>2,372,717</b>
<b>1978</b>											
+Total cash receipts	23,420	100,379	157,822	122,972	1,703,426	3,423,236	1,146,682	2,503,044	2,288,979	595,690	12,065,650
-Operating exp. after rebates	15,458	74,450	105,919	84,375	1,169,713	2,435,078	715,393	1,317,439	1,462,603	486,615	7,867,043
=Net cash income	7,962	25,929	51,903	38,597	533,713	988,158	431,289	1,185,605	826,376	109,075	4,198,607
+Income in kind	305	2,421	4,285	3,127	50,734	49,735	11,611	24,534	24,091	8,518	179,361
-Depreciation charges	1,468	11,697	14,495	12,380	157,290	427,378	166,021	446,070	416,480	64,001	1,717,280
=Realized net income	6,799	16,653	41,693	29,344	427,157	610,515	276,879	764,069	433,987	53,592	2,660,688
+Value of inventory change	876	4,400	913	3,457	19,575	(17,048)	48,509	52,924	101,976	6,030	221,612
<b>=Total net income</b>	<b>7,675</b>	<b>21,053</b>	<b>42,606</b>	<b>32,801</b>	<b>446,732</b>	<b>593,467</b>	<b>325,388</b>	<b>816,993</b>	<b>535,963</b>	<b>59,622</b>	<b>2,882,300</b>
<b>1979</b>											
+Total cash receipts	26,445	120,793	178,798	140,576	1,991,830	4,028,559	1,343,084	3,065,992	2,842,961	673,486	14,412,524
-Operating exp. after rebates	18,765	81,599	128,567	96,395	1,399,111	2,921,398	895,727	1,627,501	1,816,670	545,124	9,530,857
=Net cash income	7,680	39,194	50,231	44,181	592,719	1,107,161	447,357	1,438,491	1,026,291	128,362	4,881,667
+Income in kind	445	2,854	4,611	4,201	60,525	56,441	12,958	29,250	27,762	10,489	209,536
-Depreciation charges	1,615	13,918	16,936	14,076	<b>184,472</b>	485,762	193,799	518,194	507,030	75,727	2,011,529
=Realized net income	6,510	28,130	37,906	34,306	468,772	677,840	266,516	949,547	547,023	63,124	3,079,674
+Value of inventory change	74	2,169	4,653	740	69,346	56,437	(52,583)	(216,337)	63,898	35,576	(36,027)
<b>=Total net income</b>	<b>6,584</b>	<b>30,299</b>	<b>42,559</b>	<b>35,046</b>	<b>538,118</b>	<b>734,277</b>	<b>213,933</b>	<b>733,210</b>	<b>610,921</b>	<b>98,700</b>	<b>3,043,647</b>
<b>1980</b>											
+Total cash receipts	27,979	140,075	196,361	151,997	2,291,655	4,400,684	1,494,293	3,332,012	3,144,451	779,470	15,958,977
-Operating exp. after rebates	22,387	94,278	147,478	121,535	1,619,614	3,412,476	1,035,256	1,867,913	2,123,364	641,639	11,085,940
=Net cash income	5,592	45,797	48,883	30,462	672,041	988,208	459,037	1,464,099	1,021,087	137,831	4,873,037
+Income in kind	334	2,345	5,394	3,293	52,163	52,801	15,296	31,875	29,850	13,892	207,243
-Depreciation charges	1,794	16,169	20,570	16,066	217,216	558,720	224,299	603,908	599,711	90,953	2,349,406
=Realized net income	4,132	31,973	33,707	17,689	506,988	482,289	250,034	892,066	451,226	60,770	2,730,874
+Value of inventory change	(499)	(8,233)	2,065	(1,399)	40,030	100,431	(236,443)	(319,126)	153,938	16,945	(252,291)
<b>=Total net income</b>	<b>3,633</b>	<b>23,740</b>	<b>35,772</b>	<b>16,290</b>	<b>547,018</b>	<b>582,720</b>	<b>13,591</b>	<b>572,940</b>	<b>605,164</b>	<b>77,715</b>	<b>2,478,583</b>
<b>1981</b>											
+Total cash receipts	32,239	189,582	227,003	194,913	2,681,494	4,836,578	1,651,428	3,993,891	3,849,946	877,134	18,534,208
-Operating exp. after rebates	28,702	115,022	172,748	150,796	1,973,827	3,683,217	1,251,288	2,345,457	2,685,203	782,128	13,188,388
=Net cash income	3,537	74,560	54,255	44,117	707,667	1,153,361	400,140	1,648,434	1,164,743	95,006	5,345,820
+Income in kind	408	2,903	3,793	4,008	63,237	66,426	14,887	27,286	23,404	10,434	216,786
-Depreciation charges	1,918	18,109	22,612	17,920	240,928	610,519	251,006	674,596	671,675	103,400	2,612,683
=Realized net income	2,027	59,354	35,436	30,205	529,976	609,268	164,021	1,001,124	516,472	2,040	2,949,923
+Value of inventory change	627	20,996	(1,398)	9,596	(12,236)	(40,389)	227,125	478,252	113,451	(13,375)	782,649
<b>=Total net income</b>	<b>2,654</b>	<b>80,350</b>	<b>34,038</b>	<b>39,801</b>	<b>517,740</b>	<b>568,879</b>	<b>391,146</b>	<b>1,479,376</b>	<b>629,923</b>	<b>(11,335)</b>	<b>3,732,572</b>
<b>1982</b>											
+Total cash receipts	33,403	161,900	232,242	190,327	2,840,677	4,861,515	1,724,981	4,063,725	3,812,093	961,783	18,882,646
-Operating exp. after rebates	30,528	125,103	189,191	163,002	2,086,314	3,815,051	1,287,879	2,495,479	2,754,889	854,419	13,801,855
=Net cash income	2,875	36,797	43,051	27,325	754,363	1,046,464	437,102	1,568,246	1,057,204	107,364	5,080,791
+Income in kind	390	2,333	4,462	3,883	60,671	62,868	13,918	26,034	21,124	10,074	205,757
-Depreciation charges	1,913	18,560	23,942	18,117	259,335	628,073	274,349	740,205	721,112	103,925	2,789,531
=Realized net income	1,352	20,570	23,571	13,091	555,699	481,259	176,671	854,075	357,216	13,513	2,497,017
+Value of inventory change	(802)	794	294	1,438	(33,101)	(134,420)	78,243	127,062	(54,749)	(10,391)	(25,632)
<b>=Total net income</b>	<b>550</b>	<b>21,364</b>	<b>23,865</b>	<b>14,529</b>	<b>522,598</b>	<b>346,839</b>	<b>254,914</b>	<b>981,137</b>	<b>302,467</b>	<b>3,122</b>	<b>2,471,385</b>

	'000 OF DOLLARS										
	N.L.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>1983</b>											
+Total cash receipts	34,949	172,431	236,496	199,979	2,707,935	5,010,213	1,803,369	4,026,199	3,751,296	916,641	18,859,508
-Operating exp. after rebates	31,263	132,718	197,886	160,759	2,102,357	3,766,328	1,351,396	2,673,406	2,734,203	811,247	13,961,563
=Net cash income	3,686	39,713	38,610	39,220	605,578	1,243,885	451,973	1,352,793	1,017,093	105,394	4,897,945
+Income in kind	394	2,444	4,372	4,046	61,694	63,653	13,704	23,681	20,090	10,495	204,573
-Depreciation charges	1,907	17,991	25,061	18,258	260,448	617,502	283,751	769,726	725,800	106,534	2,826,978
=Realized net income	2,173	24,166	17,921	25,008	406,824	690,036	181,926	606,748	311,383	9,355	2,275,540
+Value of inventory change	1,171	(4,962)	(47)	(8,460)	(36,759)	(104,635)	(164,230)	(178,509)	(190,906)	8,714	(678,623)
<b>=Total net income</b>	<b>3,344</b>	<b>19,204</b>	<b>17,874</b>	<b>16,548</b>	<b>370,065</b>	<b>585,401</b>	<b>17,696</b>	<b>428,239</b>	<b>120,477</b>	<b>18,069</b>	<b>1,596,917</b>
<b>1984</b>											
+Total cash receipts	41,497	191,773	258,997	217,348	3,053,799	5,301,832	1,989,523	4,433,930	3,987,826	1,004,600	20,481,125
-Operating exp. after rebates	35,239	139,481	209,932	168,620	2,145,806	3,908,877	1,456,147	2,772,107	2,999,462	866,504	14,702,175
=Net cash income	6,258	52,292	49,065	48,728	907,993	1,392,955	533,376	1,661,823	988,364	138,096	5,778,950
+Income in kind	447	2,395	4,124	4,120	60,697	63,329	14,114	23,730	19,823	10,849	203,628
-Depreciation charges	1,933	18,322	26,115	19,752	262,896	599,829	283,147	792,075	709,456	105,108	2,818,633
=Realized net income	4,772	36,365	27,074	33,096	705,794	856,455	264,343	893,478	298,731	43,837	3,163,945
+Value of inventory change	323	17,511	(615)	5,117	25,369	72,792	4,817	(757,454)	(329,240)	(11,472)	(972,852)
<b>=Total net income</b>	<b>5,095</b>	<b>53,876</b>	<b>26,459</b>	<b>38,213</b>	<b>731,163</b>	<b>929,247</b>	<b>269,160</b>	<b>136,024</b>	<b>(30,509)</b>	<b>32,365</b>	<b>2,191,093</b>
<b>1985</b>											
+Total cash receipts	43,153	172,025	258,987	216,998	3,088,627	5,045,405	2,010,535	4,057,512	3,837,576	1,061,382	19,792,200
-Operating exp. after rebates	38,138	143,249	205,526	177,981	2,232,969	4,004,468	1,510,739	2,886,599	3,028,284	887,278	15,115,231
=Net cash income	5,015	28,776	53,461	39,017	855,658	1,040,937	499,796	1,170,913	809,292	174,104	4,676,969
+Income in kind	491	2,338	4,076	4,060	60,125	61,771	13,445	23,179	18,896	10,313	198,694
-Depreciation charges	1,924	18,543	26,582	20,171	257,416	576,572	266,706	767,251	705,522	103,693	2,744,380
=Realized net income	3,582	12,571	30,955	22,906	658,367	526,136	246,535	426,841	122,666	80,724	2,131,283
+Value of inventory change	(148)	647	(2,704)	14,329	7,640	148,590	293,033	254,108	(20,292)	(34,444)	660,759
<b>=Total net income</b>	<b>3,434</b>	<b>13,218</b>	<b>28,251</b>	<b>37,235</b>	<b>666,007</b>	<b>674,726</b>	<b>539,568</b>	<b>680,949</b>	<b>102,374</b>	<b>46,280</b>	<b>2,792,042</b>
<b>1986</b>											
+Total cash receipts	44,306	186,195	274,993	225,401	3,259,523	5,500,850	2,101,958	4,147,534	3,783,639	1,106,481	20,630,879
-Operating exp. after rebates	40,881	146,129	207,089	179,581	2,301,480	4,000,043	1,463,542	2,895,318	2,981,260	881,750	15,097,073
=Net cash income	3,425	40,066	67,904	45,820	958,043	1,500,807	638,416	1,252,216	802,379	224,731	5,533,806
+Income in kind	361	2,058	2,717	2,612	45,713	43,030	9,656	13,541	15,901	6,122	141,710
-Depreciation charges	1,931	18,664	27,228	20,396	271,442	564,242	274,745	761,309	706,409	103,216	2,749,582
=Realized net income	1,855	23,460	43,393	28,036	732,314	979,595	373,327	504,448	111,871	127,637	2,925,934
+Value of inventory change	(305)	(5,259)	(3,904)	(16,418)	(93,035)	(340,624)	(47,339)	680,550	471,085	(2,715)	642,036
<b>=Total net income</b>	<b>1,550</b>	<b>18,201</b>	<b>39,489</b>	<b>11,618</b>	<b>639,279</b>	<b>638,971</b>	<b>325,988</b>	<b>1,184,998</b>	<b>582,956</b>	<b>124,922</b>	<b>3,567,970</b>
<b>1987</b>											
+Total cash receipts	47,543	215,869	301,272	241,683	3,328,365	5,550,850	2,115,945	4,383,640	4,038,789	1,121,603	21,345,559
-Operating exp. after rebates	43,601	151,094	219,838	189,150	2,430,371	4,115,654	1,462,256	2,888,009	3,000,157	887,058	15,387,188
=Net cash income	3,942	64,775	81,434	52,533	897,994	1,435,196	653,689	1,495,631	1,038,632	234,545	5,958,371
+Income in kind	320	1,641	2,263	2,226	39,835	35,179	8,282	11,312	13,685	5,317	120,058
-Depreciation charges	1,995	18,518	27,686	20,940	285,909	564,008	265,711	737,814	686,455	102,618	2,711,654
=Realized net income	2,267	47,898	56,011	33,819	651,920	906,367	396,260	769,129	365,862	137,244	3,366,775
+Value of inventory change	901	(7,683)	(2,483)	13,813	(28,901)	(53,008)	(71,462)	(167,891)	23,555	4,864	(288,295)
<b>=Total net income</b>	<b>3,168</b>	<b>40,215</b>	<b>53,528</b>	<b>47,632</b>	<b>623,019</b>	<b>853,359</b>	<b>324,798</b>	<b>601,238</b>	<b>389,417</b>	<b>142,108</b>	<b>3,078,480</b>
<b>1988</b>											
+Total cash receipts	55,073	209,253	321,902	252,971	3,585,434	5,779,591	2,089,475	4,467,877	4,467,340	1,206,316	22,435,232
-Operating exp. after rebates	48,442	160,165	233,275	191,962	2,555,046	4,326,903	1,494,793	2,869,202	3,107,958	954,348	15,942,094
=Net cash income	6,631	49,088	88,627	61,009	1,030,388	1,452,688	594,682	1,598,675	1,359,382	251,968	6,493,138
+Income in kind	326	1,590	2,253	2,244	41,028	34,937	8,168	10,606	13,229	5,160	119,540
-Depreciation charges	2,263	19,285	29,866	22,245	304,046	603,708	271,640	723,785	686,497	106,911	2,770,246
=Realized net income	4,694	31,393	61,014	41,008	767,370	883,917	331,210	885,496	686,114	150,217	3,842,432
+Value of inventory change	152	9,330	660	(10,091)	9,702	(93,578)	(224,637)	(907,072)	85,899	21,307	(1,108,328)
<b>=Total net income</b>	<b>4,846</b>	<b>40,723</b>	<b>61,674</b>	<b>30,917</b>	<b>777,072</b>	<b>790,339</b>	<b>106,573</b>	<b>(21,576)</b>	<b>772,013</b>	<b>171,524</b>	<b>2,734,104</b>

	'000 OF DOLLARS										
	N.L.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>1989</b>											
+Total cash receipts	58,568	258,163	325,899	274,056	3,755,263	5,786,193	2,108,196	4,498,721	4,599,469	1,254,741	22,919,269
-Operating exp. after rebates	50,355	170,685	243,780	203,610	2,673,228	4,463,158	1,592,498	3,120,268	3,421,258	1,027,077	16,965,917
=Net cash income	8,213	87,478	82,119	70,446	1,082,035	1,323,035	515,698	1,378,453	1,178,211	227,664	5,953,352
+Income in kind	329	1,680	2,289	2,283	41,384	35,336	8,276	10,511	13,130	5,172	120,389
-Depreciation charges	2,639	21,468	31,956	22,899	320,925	668,551	277,180	715,094	716,248	116,525	2,893,485
=Realized net income	5,903	67,690	52,452	49,830	802,494	689,820	246,794	673,870	475,093	116,311	3,180,256
+Value of inventory change	612	(266)	(1,116)	2,916	(15,858)	176,161	144,298	452,295	99,799	5,840	864,681
<b>=Total net income</b>	<b>6,515</b>	<b>67,424</b>	<b>51,336</b>	<b>52,746</b>	<b>786,636</b>	<b>865,981</b>	<b>391,092</b>	<b>1,126,165</b>	<b>574,892</b>	<b>122,151</b>	<b>4,044,937</b>
<b>1990</b>											
+Total cash receipts	60,139	253,381	331,697	280,204	3,783,772	5,690,618	1,985,442	4,030,819	4,283,091	1,298,776	21,997,939
-Operating exp. after rebates	54,682	173,992	244,922	210,085	2,777,558	4,460,209	1,605,665	3,082,937	3,407,190	1,038,676	17,055,916
=Net cash income	5,457	79,389	86,775	70,119	1,006,214	1,230,409	379,777	947,882	875,901	260,100	4,942,023
+Income in kind	312	1,629	2,280	2,295	40,646	35,058	8,403	10,399	13,139	5,015	119,175
-Depreciation charges	3,051	22,715	33,395	25,005	340,765	711,392	281,822	699,658	745,388	125,962	2,989,153
=Realized net income	2,718	58,303	55,660	47,409	706,095	554,075	106,358	258,623	143,652	139,153	2,072,045
+Value of inventory change	(306)	(7,888)	(1,918)	(5,060)	10,967	4,603	314,037	818,329	202,391	(1,919)	1,333,236
<b>=Total net income</b>	<b>2,412</b>	<b>50,415</b>	<b>53,742</b>	<b>42,349</b>	<b>717,062</b>	<b>558,678</b>	<b>420,395</b>	<b>1,076,952</b>	<b>346,043</b>	<b>137,234</b>	<b>3,405,281</b>
<b>1991</b>											
+Total cash receipts	62,752	243,754	317,832	257,059	3,850,473	5,559,268	2,004,405	4,127,480	4,234,918	1,341,604	21,999,545
-Operating exp. after rebates	55,017	181,689	248,095	203,530	2,862,756	4,500,454	1,637,104	3,129,589	3,541,296	1,074,398	17,433,929
=Net cash income	7,735	62,065	69,737	53,529	987,717	1,058,814	367,301	997,891	693,622	267,206	4,565,616
+Income in kind	368	1,498	2,222	2,204	39,770	34,393	7,967	9,678	12,326	4,821	115,248
-Depreciation charges	3,441	23,312	34,242	26,222	343,969	738,800	272,126	693,776	726,570	132,539	2,994,997
=Realized net income	4,662	40,251	37,717	29,511	683,518	354,407	103,142	313,793	(20,622)	139,488	1,685,867
+Value of inventory change	(60)	(9,546)	(1,959)	(5,866)	(9,662)	2,039	(1,075)	147,464	164,210	10,422	295,967
<b>=Total net income</b>	<b>4,602</b>	<b>30,705</b>	<b>35,758</b>	<b>23,645</b>	<b>673,856</b>	<b>356,446</b>	<b>102,067</b>	<b>461,257</b>	<b>143,588</b>	<b>149,910</b>	<b>1,981,834</b>
<b>1992</b>											
+Total cash receipts	65,000	228,204	321,587	270,400	3,871,869	6,053,177	2,168,764	4,390,865	4,956,259	1,404,077	23,730,202
-Operating exp. after rebates	54,959	191,199	253,441	208,022	2,996,338	4,688,577	1,712,185	3,202,583	3,645,587	1,122,687	18,075,577
=Net cash income	10,041	37,005	68,146	62,378	875,531	1,364,600	456,579	1,188,282	1,310,672	281,390	5,654,625
+Income in kind	421	1,552	2,341	2,323	42,370	36,603	8,296	9,780	12,830	5,429	121,573
-Depreciation charges	3,796	24,285	34,609	26,673	342,647	734,970	275,555	701,757	717,642	134,980	2,996,914
=Realized net income	6,666	14,272	35,878	38,028	575,254	666,233	189,320	496,305	605,860	151,839	2,779,284
+Value of inventory change	(411)	34,409	(1,017)	17,625	(37,251)	(270,574)	70,376	(89,011)	(160,060)	(25,286)	(461,200)
<b>=Total net income</b>	<b>6,255</b>	<b>48,681</b>	<b>34,861</b>	<b>55,653</b>	<b>538,003</b>	<b>395,659</b>	<b>259,696</b>	<b>407,294</b>	<b>445,800</b>	<b>126,553</b>	<b>2,318,084</b>
<b>1993</b>											
+Total cash receipts	62,323	240,737	312,715	283,095	3,981,395	5,879,690	2,380,354	4,538,639	5,064,027	1,445,545	24,188,520
-Operating exp. after rebates	54,003	195,165	256,390	211,502	3,018,291	4,845,678	1,806,920	3,348,769	4,013,191	1,176,416	18,926,327
=Net cash income	8,320	45,572	56,325	71,593	963,104	1,034,012	573,434	1,189,870	1,050,836	269,129	5,262,193
+Income in kind	486	1,847	2,844	2,799	49,950	43,781	9,691	11,322	14,955	6,344	144,022
-Depreciation charges	3,768	23,503	35,349	26,301	352,386	733,795	277,615	725,690	735,415	145,928	3,059,750
=Realized net income	5,038	23,916	23,820	48,091	660,668	343,998	305,510	475,502	330,376	129,545	2,346,465
+Value of inventory change	(769)	(12,784)	481	(15,063)	13,238	128,284	(101,509)	448,189	601,179	5,955	1,067,201
<b>=Total net income</b>	<b>4,269</b>	<b>11,132</b>	<b>24,301</b>	<b>33,028</b>	<b>673,906</b>	<b>472,282</b>	<b>204,001</b>	<b>923,691</b>	<b>931,555</b>	<b>135,500</b>	<b>3,413,666</b>
<b>1994</b>											
+Total cash receipts	63,406	308,685	327,612	293,249	4,214,854	6,052,852	2,451,015	5,050,540	5,581,321	1,537,862	25,881,396
-Operating exp. after rebates	56,974	217,599	267,064	232,804	3,195,309	5,133,872	1,987,697	3,563,630	4,344,105	1,322,271	20,321,324
=Net cash income	6,432	91,086	60,548	60,445	1,019,545	918,980	463,318	1,486,910	1,237,216	215,591	5,560,072
+Income in kind	516	2,176	3,296	3,177	55,711	48,070	10,174	11,835	15,549	7,120	157,623
-Depreciation charges	3,894	26,080	36,093	27,758	373,275	764,626	298,096	764,064	785,827	159,206	3,238,919
=Realized net income	3,054	67,182	27,751	35,864	701,981	202,424	175,396	734,681	466,938	63,505	2,478,776
+Value of inventory change	348	(10,734)	(458)	(7,110)	83,693	131,039	167,066	13,065	103,018	44,962	524,889
<b>=Total net income</b>	<b>3,402</b>	<b>56,448</b>	<b>27,293</b>	<b>28,754</b>	<b>785,674</b>	<b>333,463</b>	<b>342,462</b>	<b>747,746</b>	<b>569,956</b>	<b>108,467</b>	<b>3,003,665</b>

	'000 OF DOLLARS										
	N.L.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>1995</b>											
+Total cash receipts	66,372	313,219	341,156	290,224	4,353,371	6,315,372	2,503,288	5,385,694	5,969,065	1,585,560	27,123,321
-Operating exp. after rebates	60,071	240,615	284,246	246,524	3,382,331	5,303,628	2,095,941	3,885,531	4,648,930	1,387,492	21,535,309
=Net cash income	6,301	72,604	56,910	43,700	971,040	1,011,744	407,347	1,500,163	1,320,135	198,068	5,588,012
+Income in kind	498	1,921	3,145	2,997	53,435	46,014	9,672	11,208	15,153	6,776	150,822
-Depreciation charges	3,925	28,505	36,252	29,177	398,816	807,965	321,820	809,615	850,290	175,759	3,462,124
=Realized net income	2,874	46,020	23,803	17,520	625,659	249,793	95,199	701,756	484,998	29,085	2,276,710
+Value of inventory change	131	39,207	3,472	5,781	13,556	26,502	30,713	160,203	396,563	33,914	710,042
<b>=Total net income</b>	<b>3,005</b>	<b>85,227</b>	<b>27,275</b>	<b>23,301</b>	<b>639,215</b>	<b>276,295</b>	<b>125,912</b>	<b>861,959</b>	<b>881,561</b>	<b>62,999</b>	<b>2,986,752</b>
<b>1996</b>											
+Total cash receipts	77,172	293,241	379,981	314,674	4,691,816	6,685,533	2,788,380	5,610,537	6,528,207	1,705,786	29,075,327
-Operating exp. after rebates	63,744	247,674	297,835	262,022	3,639,690	5,554,619	2,263,225	4,376,862	4,875,544	1,439,769	23,020,983
=Net cash income	13,428	45,567	82,146	52,652	1,052,126	1,130,914	525,155	1,233,675	1,652,663	266,017	6,054,344
+Income in kind	522	1,996	3,504	3,317	58,916	52,025	10,806	12,780	16,518	7,711	168,101
-Depreciation charges	4,063	31,085	38,519	31,640	431,909	868,711	343,781	862,769	923,756	194,932	3,731,165
=Realized net income	9,887	16,478	47,131	24,329	679,133	314,228	192,180	383,686	745,425	78,796	2,491,280
+Value of inventory change	(363)	7,725	675	8,549	124,366	136,067	296,672	761,920	13,800	(21,661)	1,327,750
<b>=Total net income</b>	<b>9,524</b>	<b>24,203</b>	<b>47,806</b>	<b>32,878</b>	<b>803,499</b>	<b>450,295</b>	<b>488,852</b>	<b>1,145,606</b>	<b>759,225</b>	<b>57,135</b>	<b>3,819,030</b>
<b>1997</b>											
+Total cash receipts	76,144	283,051	375,723	321,057	4,770,714	6,852,507	3,036,225	5,922,812	6,461,525	1,738,871	29,838,629
-Operating exp. after rebates	61,359	252,158	308,611	281,318	3,662,336	5,707,853	2,345,594	4,313,778	5,131,996	1,455,421	23,520,426
=Net cash income	14,785	30,893	67,112	39,739	1,108,378	1,144,654	690,631	1,609,034	1,329,529	283,450	6,318,203
+Income in kind	378	1,873	3,472	3,275	57,151	51,550	10,228	13,098	16,713	7,973	165,714
-Depreciation charges	4,199	33,007	40,854	33,201	454,766	926,194	357,193	898,343	988,931	210,900	3,947,588
=Realized net income	10,964	(241)	29,730	9,813	710,763	270,010	343,666	723,789	357,311	80,523	2,536,329
+Value of inventory change	(369)	12,895	(5,890)	6,717	(17,612)	7,099	(119,415)	(663,465)	(60,043)	(26,150)	(866,233)
<b>=Total net income</b>	<b>10,595</b>	<b>12,654</b>	<b>23,840</b>	<b>16,530</b>	<b>693,151</b>	<b>277,109</b>	<b>224,251</b>	<b>60,324</b>	<b>297,268</b>	<b>54,373</b>	<b>1,670,096</b>
<b>1998</b>											
+Total cash receipts	73,186	324,464	376,570	351,133	4,824,088	6,980,488	2,938,158	5,551,592	6,452,355	1,814,289	29,686,323
-Operating exp. after rebates	63,634	258,955	304,877	288,674	3,739,607	5,849,171	2,381,337	4,289,421	5,284,584	1,519,281	23,979,541
=Net cash income	9,552	65,509	71,693	62,459	1,084,481	1,131,317	556,821	1,262,171	1,167,771	295,008	5,706,782
+Income in kind	245	1,517	2,881	2,716	47,463	43,207	8,793	11,483	14,813	7,031	140,154
-Depreciation charges	4,377	34,873	42,005	33,251	471,041	957,902	376,404	944,038	1,036,534	217,305	4,117,730
=Realized net income	5,420	32,153	32,569	31,924	660,903	216,622	189,210	329,616	146,050	84,734	1,729,206
+Value of inventory change	375	(12,823)	1,518	(2,012)	(1,656)	17,425	55,061	23,527	160,442	35,121	276,978
<b>=Total net income</b>	<b>5,795</b>	<b>19,330</b>	<b>34,087</b>	<b>29,912</b>	<b>659,247</b>	<b>234,047</b>	<b>244,271</b>	<b>353,143</b>	<b>306,492</b>	<b>119,855</b>	<b>2,006,184</b>
<b>1999</b>											
+Total cash receipts	74,822	349,570	393,053	377,750	5,100,287	7,186,221	2,908,005	5,540,474	6,520,942	1,905,986	30,357,110
-Operating exp. after rebates	63,854	271,421	311,703	296,908	3,902,054	5,999,107	2,376,309	4,277,014	5,722,101	1,566,205	24,786,678
=Net cash income	10,968	78,149	81,350	80,842	1,198,233	1,187,114	531,696	1,263,460	798,841	339,781	5,570,432
+Income in kind	252	1,523	2,905	2,824	48,586	43,493	8,758	11,404	14,909	6,838	141,495
-Depreciation charges	4,520	34,506	44,570	36,941	501,987	986,871	388,874	946,925	1,073,571	221,736	4,240,501
=Realized net income	6,700	45,166	39,685	46,725	744,832	243,736	151,580	327,939	(259,821)	124,883	1,471,426
+Value of inventory change	1,924	(3,249)	(4,045)	(10,330)	17,555	(12,303)	(25,977)	331,521	497,632	3,524	796,252
<b>=Total net income</b>	<b>8,624</b>	<b>41,917</b>	<b>35,640</b>	<b>36,395</b>	<b>762,387</b>	<b>231,433</b>	<b>125,603</b>	<b>659,460</b>	<b>237,811</b>	<b>128,407</b>	<b>2,267,678</b>
<b>2000</b>											
+Total cash receipts	74,786	323,096	414,292	369,290	5,422,498	7,872,186	3,150,535	5,722,872	7,562,537	2,048,439	32,960,524
-Operating exp. after rebates	66,906	282,444	329,683	320,053	4,228,407	6,402,128	2,563,455	4,572,962	6,157,013	1,680,367	26,603,418
=Net cash income	7,880	40,652	84,609	49,237	1,194,091	1,470,058	587,080	1,149,910	1,405,524	368,072	6,357,106
+Income in kind	376	1,536	2,987	2,919	50,661	45,334	9,128	12,324	16,267	7,608	149,139
-Depreciation charges	4,846	37,109	48,545	40,592	542,942	1,032,277	386,933	923,111	1,085,417	228,644	4,330,416
=Realized net income	3,410	5,079	39,051	11,564	701,810	483,115	209,275	239,123	336,374	147,036	2,175,829
+Value of inventory change	392	17,358	(1,779)	10,058	(67,801)	(180,981)	175,025	291,137	38,697	2,794	284,900
<b>=Total net income</b>	<b>3,802</b>	<b>22,437</b>	<b>37,272</b>	<b>21,622</b>	<b>634,009</b>	<b>302,134</b>	<b>384,300</b>	<b>530,260</b>	<b>375,071</b>	<b>149,830</b>	<b>2,460,729</b>



	'000 OF DOLLARS										
	N.L.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
<b>2001</b>											
+Total cash receipts	78,955	336,813	420,674	412,243	5,752,699	8,535,258	3,697,240	6,496,432	8,376,243	2,222,565	36,329,119
-Operating exp. after rebates	71,091	291,590	350,547	340,465	4,469,557	6,965,602	2,790,415	4,748,282	6,442,093	1,769,988	28,239,631
=Net cash income	7,864	45,223	70,127	71,778	1,283,142	1,569,656	906,825	1,748,150	1,934,150	452,577	8,089,488
+Income in kind	490	1,370	2,628	2,663	46,419	41,952	8,500	11,480	15,598	7,139	138,236
-Depreciation charges	5,117	37,595	50,490	43,026	571,835	1,054,432	397,866	945,133	1,120,518	229,839	4,455,851
=Realized net income	3,237	8,998	22,265	31,415	757,726	557,176	517,459	814,497	829,230	229,877	3,771,873
+Value of inventory change	468	(66,403)	(1,418)	(4,395)	88,528	(106,054)	(66,665)	(633,668)	(267,533)	18,872	(1,038,268)
<b>=Total net income</b>	<b>3,705</b>	<b>(57,405)</b>	<b>20,847</b>	<b>27,020</b>	<b>846,254</b>	<b>451,122</b>	<b>450,794</b>	<b>180,829</b>	<b>561,697</b>	<b>248,749</b>	<b>2,733,605</b>
<b>2002</b>											
+Total cash receipts	80,421	365,632	405,163	421,662	5,547,128	8,467,419	3,825,755	6,356,096	8,327,658	2,232,346	36,029,272
-Operating exp. after rebates	73,966	309,696	363,999	357,974	4,600,564	7,256,906	2,927,581	4,821,346	6,237,565	1,876,398	28,825,995
=Net cash income	6,455	55,936	41,164	63,688	946,564	1,210,513	898,174	1,534,750	2,090,093	355,948	7,203,277
+Income in kind	620	1,338	2,560	2,550	44,745	40,668	8,100	11,134	15,124	6,775	133,612
-Depreciation charges	5,397	37,196	51,132	44,318	593,052	1,136,135	398,590	939,156	1,129,173	258,189	4,592,338
=Realized net income	1,678	20,078	(7,408)	21,920	398,257	115,046	507,684	606,728	976,044	104,534	2,744,551
+Value of inventory change	(375)	67,498	202	24,194	21,759	133,931	(20,720)	(637,054)	(1,076,032)	14,688	(1,471,909)
<b>=Total net income</b>	<b>1,303</b>	<b>87,576</b>	<b>(7,206)</b>	<b>46,114</b>	<b>420,016</b>	<b>248,977</b>	<b>486,964</b>	<b>(30,326)</b>	<b>(99,988)</b>	<b>119,222</b>	<b>1,272,642</b>

## CONCEPTS AND METHODS

### Introduction

This publication is part of a series of bulletins that also includes:

- [Farm cash receipts - Agriculture economic statistics \(21-011-XIE\)](#),
- [Farm operating expenses and depreciation charges - Agriculture economic statistics \(21-012-XIE\)](#),
- [Value of farm capital - Agriculture economic statistics \(21-013-XIE\)](#),
- [Farm debt outstanding - Agriculture economic statistics \(21-014-XIE\)](#),
- [Direct payments to agriculture producers - Agriculture economic statistics \(21-015-XIE\)](#),
- [Balance sheet of the agriculture sector - Agriculture economic statistics \(21-016-XIE\)](#),
- [Agriculture value added account - Agriculture economic statistics \(21-017-XIE\)](#),
- [Farm business cash flows - Agriculture economic statistics \(21-018-XIE\)](#).

This particular publication presents annual estimates of net farm income and its components starting from 1926. Data highlights are provided for the most current year.

All series can be obtained free on the internet at the Statistics Canada web site ([www.statcan.ca](http://www.statcan.ca)). Notes on concepts and methods are also included for each data series.

The electronic publication is first available in June. It includes preliminary estimates for the calendar year just ended. The following January, the publication is re-issued with revisions to the preliminary estimates. Revisions to the June issue can extend back two years, while those in January generally apply to three years. The date provided at the top right corner of each table is the last time that a revision was made to that table.

Most data appearing in this publication are available through the Canadian Socio-Economic Information Management System (CANSIM), Statistics Canada's corporate computerized data base network and information retrieval service.

The Client Services and Marketing Unit, Agriculture Division, Statistics Canada can be contacted at 1 (800) 465-1991 or by email at [agriculture@statcan.ca](mailto:agriculture@statcan.ca) for further information and/or to obtain data in a different medium.

Statistics Canada is committed to ensuring that there is no disclosure of confidential material and therefore all data are subjected to restrictions prior to release.

In addition to administrative data, there are three main sources (Census of Agriculture, Taxation Data Program and Farm Financial Survey) whose data contribute to several of the series found in this publication. Following is a brief overview of these surveys, and a summary of the methods used to reduce errors in each. Copies of any of the survey questionnaires may be obtained by contacting FIPS.

Prior to 1991, the National Farm Survey (NFS) was a major source of data, providing the results of an annual probability survey, with a sample size of 50,000. Detail on concepts, survey methodology and data quality of the NFS are available by contacting FIPS.

The **Census of Agriculture** is a quinquennial survey of all Canadian agricultural holdings, including institutional farms, research stations, community pastures and Indian Reserves.

Procedures for collecting complete and accurate information are developed and improved for each Census of Agriculture. To ensure that the data are of consistently high quality, control procedures are incorporated into each census collection and processing stage.

Some farming operations are missed, however, primarily due to the difficulty in identifying an agricultural holding when no operators live on or near the holding. Certain questionnaires are only partially completed, or not completed at all. Missing responses are obtained through follow up with respondents, or are estimated by employing an automated imputation procedure which assigns values selected from similar agricultural operations. Respondents occasionally provide inaccurate responses. Where such responses have a large impact on the estimate they are corrected or confirmed by contacting the respondents. Computerized checks identify processing errors related to keying entries, or omissions which occurred during manual processes. After processing, the data are validated by comparing them thoroughly with other survey results and administrative data. Technical information on concepts, survey methodology and data quality for the 2001 Census of Agriculture is available on the website: <http://www.statcan.ca/stcpubs/english/95F0302XIE/0102/quality.htm>.

The Census of Agriculture is often used as a "benchmark" and a source from which to draw samples. The benchmarking process involves using Census estimates each fifth year, and aligning the interim year's receipt and expense data with the results of the Census of Agriculture. The difference between the previously published estimate and the Census benchmark is calculated and distributed over the four preceding years. This intercensal revision procedure is undertaken for many of the series in this publication, including farm cash receipts and operating expenses whose data then feeds into other accounts published here, such as the net farm income. Intercensal revisions incorporating the 2001 Census data were released in November 2003.

The **Taxation Data Program (TDP)** involves a sample of approximately 180,000 Canada Customs and Revenue Agency income tax records. The sampling frame covers all provinces and includes all individuals who claim either positive gross farm income, or non-zero net farm income. Research stations, institutional farms, and Indian Reserves are excluded. The sampling frame includes all corporations which report minimum sales of \$25,000, for which 50% or more of their sales come from agricultural activities.

Records for approximately 95% of the sample are received and raising factors are adjusted where the sample is incomplete. Basic edit checks are performed at the data capture stage and subsequent editing identifies errors, inconsistencies, extreme values, etc. As a final check, the top 25 tax filers (records which contribute the most for each income and expense item), at the provincial level, are analysed further. A process of donor imputation, using similar tax filer records, is applied in cases where tax filers fail to itemize all (or part) of their revenues or expenses. Total revenue and expense items for farms are estimated by inflating each sampled item by an estimation weight.

The processing procedures described above help minimize the occurrence of non-sampling errors (such as errors introduced during editing, and response errors) but some errors are outside Statistics Canada's control, including the fact that Canada Customs and Revenue Agency tax forms are designed for tax purposes and not survey purposes. Since TDP estimates are based on a sample rather than the total population, they are subject to sampling errors. The potential error introduced by sampling can be estimated from the sample itself by using a statistical measure called the standard error. Over repeated surveys, 95 times out of 100, the relative difference between a sample estimate and what would have been obtained from an enumeration of all operations would be less than twice the coefficient of variation. This range of values is referred to as the confidence interval. While published estimates may not exactly equal the level indicators (due to the validation and consultation process), these estimates do remain within the confidence interval of the survey level indicators. The 1997 TDP survey had a coefficient of variation range of 0.5% to 1.7% for total operating revenues and expenses. Tables of standard error or coefficients of variation are available by contacting The Client Services and Marketing Unit, Agriculture Division, Statistics Canada at 1 (800) 465-1991 or by email at [agriculture@statcan.ca](mailto:agriculture@statcan.ca).

The quality of the TDP estimates is affected by certain limitations: the information is not collected from a standard questionnaire, but from different types of statements of income and expenses; secondly, under the Income Tax Act, tax filers can report either on a cash or an accrual basis.

The imputation of missing values may affect the accuracy of tabulations. Further documentation concerning concepts, data reliability, limitations or the methodology of this survey is available by consulting [Economic Overview of Farm Incomes](#), Statistics Canada catalogue No. 21-005-XIE.

Prior to the Farm Financial Survey (FFS), **Farm Credit Canada** had conducted surveys (reference years 1981, 1984, 1987, 1989, and 1991) dealing with the financial structure of Canadian agriculture. This was a joint project of Farm Credit Canada (management, collection and processing personnel), Agriculture and Agri-Food Canada (financial support, collection and processing personnel), and Statistics Canada (survey and questionnaire design, processing and analysis of data). The structure of the Farm Survey evolved over time, with the 1991 survey having a Census-based sample of 12,000 farms with sales of over \$2000. These excluded institutional farms, farms on Indian Reserves, community pastures, farms in marginal areas and farms that were part of large multi-holding companies. A smaller area frame, based on the National Farm Survey area frame, was also used, in order to include entrants into agriculture since the previous Census.

In 1992, the FCC Farm Survey was replaced by the Farm Financial Survey (FFS), conducted under contract with Agriculture and Agri-Food Canada. In 1993, the survey was conducted in Western Canada only, with financial data referring to 1992. A full survey was conducted across Canada in 1994 (1993 reference year), 1996 (1995 reference year), 1998 (1997 reference year), 2000 (1999 reference year), 2002 (2001 reference year) and 2003 (2002 reference year). It is expected to be conducted annually in the future.

As the FCC Survey and the FFS estimates were based on a sample rather than on the entire population, they were subject to sampling errors. The potential error introduced by sampling can be estimated from the sample itself by using a statistical measure called the standard error. The latest FFS had a coefficient of variation of 0.91% for total assets, and 1.57% for total liabilities. The usable responses (excludes total refusals, no contacts, and others) returned from this survey totalled 90% of the sample. Tables of standard error or coefficients of variation are available by contacting Whole Farm Data. Further documentation concerning concepts, data quality and reliability, limitations or the methodology of this survey is available by contacting The Client Services and Marketing Unit, Agriculture Division, Statistics Canada at 1 (800) 465-1991 or by email at [agriculture@statcan.ca](mailto:agriculture@statcan.ca).

For administrative data, in order to reduce error, assessments are made based on historical and current trends, subject matter expertise, and information obtained through discussion with industry authorities. Users should be aware that administrative data are generally

compiled for an organization's own needs, and not for survey purposes. Any anomalies or inconsistencies detected are verified with the source, and where necessary, adjustments are made to reconcile data with the conceptual framework of our series. The administrative agencies used are considered to be the best sources available, and data received from them is judged to be of very good quality, even in those circumstances where adjustments have been made.

In some instances component data may not add to the total. This is ordinarily due to rounding, and considered to be of minimal impact.

### **NET FARM INCOME**

In this publication annual estimates of net farm income at the provincial and national levels are presented from 1926 to date. Estimates of net cash income, realized net income and total net income are published for 1971 to date. For 1926 to 1970, estimates of realized gross income, realized net income, total gross income, and total net income have been published. Newfoundland and Labrador estimates begin with 1972. The estimates are on the CANSIM database.

Due to changes in the concepts and methods for the components of net income, estimates of net income before 1971 are not comparable with those from 1971 to date.

The notes on concepts and methods for each of the components of net farm income (farm cash receipts, farm operating expenses and depreciation charges, income in kind, and value of inventory change) should be read in conjunction with these notes.

The Agriculture Division of Statistics Canada also derives estimates of farm income from several other independent sources. The Farm Financial Survey (FFS), the Taxation Data Program and the Census of Agriculture each produce separate income estimates. The table below shows the differences between the data. **(The FFS did not produce estimates for the year 2000.)**

Example:

#### Net Cash Income, Canada, 2000, \$Millions

Census of Agriculture	\$5,203
Taxation Data Project	\$5,832
Agriculture Economic Statistics	\$6,357

### Concepts

The farm income accounts are designed to provide an annual measure of income returned to the owners of

agricultural businesses from the production of agricultural commodities. Two points should be noted:

1. These accounts only relate to the farm business. They do not include any income that farm operators or their families may receive from other sources (wages and salaries, investment income, etc.).
2. The accounts pertain only to the production and marketing of agricultural commodities. Revenue or expenses related to the sale or purchase of farm capital (real estate, machinery and equipment) are not included. Currently, the accounts include the sale of any production from farm woodlots, but exclude any income earned from activities such as fish farming or the non-agricultural use of the farm.

### Methods and Data Quality

Three measures of net farm income at the provincial and national levels have been estimated for the years 1971 to date:

a) **Net cash income** of farm businesses is derived by subtracting operating expenses from farm cash receipts. It represents the amount of cash generated by the farm business that is available for debt repayment, investment or withdrawal by the owner.

b) **Realized net income** of farm businesses starts with net cash income. It is derived by subtracting depreciation (economic concept) and adding income in kind to net cash income. It represents the financial flows, both cash and non-cash, attributable to the farm businesses, similar to an income statement. It represents the net income from transactions in a given year in that it includes the sale of commodities regardless of the year they were produced. Realized net income does not account for stock changes (value of inventory change).

c) **Total net income** is net cash income adjusted for the value of inventory change, depreciation (economic concept) and income in kind. It represents the return to owner's equity, unpaid labour, management and risk. Total net income accounts for agriculture economic production during the year that the agricultural goods were produced.

As a result of the residual method used to derive net income, a minor change in either farm cash receipts or farm operating expenses will have a significant impact on the net income level and yearly change. The following diagram illustrates this point:

Example:

Cash receipts	60,000	+1%=	60,600
- Operating expenses	<u>45,000</u>	-1%=	<u>44,550</u>
= Net cash income	15,000		16,050 = 7%
+ Income in kind	500		500
- Depreciation	<u>2,000</u>		<u>2,000</u>
= Realized net income	13,500		14,550 = 8%
+ Value of inv change	<u>500</u>		<u>500</u>
= Total net income	14,000		15,050 = 8%

In this example, a 1% change in either cash receipts or operating expenses would have resulted in a 4 to 5% change in any of the net farm income estimates, and a 1% change in both results in at least an 8% change to the total net income.

### **FARM CASH RECEIPTS**

This publication presents farm cash receipts by commodity and by calendar year from 1926 to date for every province except Newfoundland and Labrador. Data for Newfoundland and Labrador are only available from 1972. However, since Newfoundland and Labrador's agricultural production is small, this break is not significant at the Canada level. For the period 1950 to 1970, data are also available through the CANSIM database on a monthly basis and on a quarterly basis for the period 1971 to date.

#### Concepts

Farm cash receipts measure the gross revenue of farm businesses in current dollars. They include sales of crops and livestock products (except sales between farms in the same province) and program payments. Receipts are recorded when the money is paid to farmers before any expenses are paid.

The farm cash receipts series includes agricultural products such as field crops, vegetables, fruits, floriculture and nursery products, sod, maple and forest products, livestock, dairy products, poultry, eggs, wool, fur, and honey.

The direct program payments to producers included in farm cash receipts represent the amounts paid under various **government** and **private** programs to individuals involved in agricultural production. The payments related to current agricultural production include subsidies to encourage production or to compensate producers for low market returns, payments to stabilize incomes and payments to compensate producers for crop or livestock losses caused by extreme climatic conditions, disease or other reasons.

The primary reason for compiling farm cash receipts is to estimate, on a provincial basis, the agriculture sector's contribution to gross domestic product. Consequently, all inter-farm sales within a province are excluded from farm

cash receipts estimates as their inclusion would result in double counting. It should be noted, however, that farm-to-farm sales between provinces are included as are all sales outside the sector. Excluding inter-farm sales within a province means that farm cash receipts cannot be used as a measure of the gross output of the agriculture sector.

Farm cash receipts are estimated on a cash basis and represent the value of sales when they occur, that is, when ownership first changes hands. Thus, sales are only recorded when cash disbursements have actually occurred. The prices used to value transactions include any bonuses and premiums which can be attributed to specific commodities, but exclude fees deducted before the producer is paid (e.g. storage, transportation, marketing or administrative costs).

In several cases, particularly where crops are concerned, producers receive a partial or an initial payment for their commodities at the time of sale. As the marketing of the crop progresses, an adjustment or final payment is made. These payments are only shown in cash receipts when producers receive the funds. Examples of such cases include Ontario Wheat Producers' Marketing Board (OWPMB) and Canadian Wheat Board (CWB) adjustment, interim and/or final payments for wheat, oats and barley. Oats ceased to be marketed through the CWB on July 31, 1989. Similar payment patterns also occur for sugar beets and dry beans.

Receipts from the sale of some agricultural products can be deferred. For example, producers in Western Canada have the option of deferring grain receipts to the next year. In the past, Statistics Canada used the assumption that payments ("liquidations") of deferred grain and oilseed receipts ("deferments") from the crops sold in one calendar year were all received in January of the following year. After conducting an examination of records provided by elevators, it was established that it was true for 90 to 95% of the cases. The series were revised accordingly, starting with 1998 data, to record more accurately in which month the liquidations occurred.

All published commodity receipts represent receipts from the market. Thus, any subsidy or stabilization payment directed at a specific commodity is not included in the receipts for that commodity. In fact, all direct subsidies or payments to the agriculture sector are recorded separately.

#### Methods

Cash receipts are, for the most part, based on monthly marketings and prices of the various commodities. Direct program payments are based on data obtained from several sources on a monthly or quarterly basis.

Calculations of commodity cash receipts involve the use of many data sources which can vary by province and by

commodity. Most of the prices for the monthly marketings are collected from administrative sources such as marketing boards, regulatory agencies and market information. Some prices are also provided by a monthly farm prices survey conducted by Statistics Canada. In all cases, the prices reflect those received by producers at the point when ownership first changes hands.

Monthly marketings are mostly obtained from administrative records of marketing boards, government agencies and private companies. Grain marketings, including durum wheat, wheat excluding durum, oats, barley, rye, flaxseed and canola for the Western provinces, are obtained from the Canadian Grain Commission. In Eastern Canada, the data are either obtained from marketing boards and producer associations, based on historical marketing patterns or agreed upon in consultation with provincial specialists. Marketings for crops such as corn, soybeans, tobacco, sugar beets and dry beans are obtained from marketing boards and associations as well as private companies.

Cash receipts estimates for potatoes, fruits, vegetables, honey, maple and forest products, and greenhouse and nursery products are obtained through various surveys or censuses conducted by Statistics Canada, the provinces or other federal and provincial departments or agencies. These departments and agencies are also a major source of marketing data for mustard seed, sunflower seed, lentils, canary seed, dry peas, forage and grass seed, and hay and clover.

Livestock marketings, including cattle, calves, hogs, sheep, lambs, hens and chickens, and turkeys, are mainly based on market information from Agriculture and Agri-Food Canada and provincial departments and agencies. Marketings of eggs are also obtained from these sources. In the case of dairy products, producers' marketings of milk and cream are obtained from regulatory agencies and private companies.

Although the farm cash receipts series covers many commodities, it is not exhaustive. There is a miscellaneous category for crops and another for livestock. The cash receipts in these two categories are based on the quinquennial Census of Agriculture in order to account for commodities that are not estimated individually.

Since cash receipts are estimated on a cash basis, any amounts received after the sale of a product, whether in the form of a final or an adjustment payment, will be shown when the cash is received rather than when it was earned. Several items fall into this category, including payments by the CWB and the OWPMB, as well as deferments and liquidations of grain receipts. The information for these payments are obtained directly from the administrative bodies involved.

Direct program payments are tabulated quarterly. The agencies responsible for the disbursement of payments under the various programs provide the data on a

monthly, quarterly and, in some cases, an annual basis. Only payments directly provided to producers are included in the series. These include payments under the Farm Income Protection Act (for the Gross Revenue Insurance Plan and the Net Income Stabilization Account), the Crop Insurance Act, the Western Grain Stabilization Act, the Agricultural Stabilization Act, Tripartite Plans, Provincial Stabilization Programs, the Canadian Dairy Commission Act and those made under ad hoc government programs.

Payments made under private programs such as private hail insurance and livestock insurance are included in the Farm Cash Receipts series under the categories "Private hail insurance payments" and "Other payments", respectively. In the publication Direct Program Payments of Agriculture Producers - Agriculture Economic Statistics, Statistics Canada Catalogue 21-015-XIE, "Crop insurance payments" and "Other payments" do not include private program payments.

#### Data Comparability

The farm cash receipts series before and after January 1971 are not comparable. Modifications have been made to the series in terms of format, content and concepts. Consequently, the preceding documentation is only relevant for the period 1971 to date. The following is a list of the changes made to the cash receipts series effective January 1971.

- Cash advances and repayments under the Prairie Grain Advance Payments Act and the Advance Payments for Crops Act were removed from the series.
- Wheat receipts were disaggregated into wheat excluding durum and durum wheat receipts.
- Estimates were published for commodities previously included in the "miscellaneous crops" category such as lentils and canary seed.
- Fruit receipts were disaggregated into four separate categories.
- All direct payments enhancing receipts were grouped together. Farm cash receipts are presented with three sub-groupings - crops, livestock and payments.
- Poultry receipts have been disaggregated into hens and chickens, and turkey receipts.

Two new commodities were added to farm cash receipts effective January 1997 under the new North American Industry Classification System (NAICS): Christmas trees and poultry hatcheries. With poultry hatcheries becoming part of the agriculture sector:

- Inter-provincial sales and exports of chicks and poults are included in poultry hatchery receipts.
- Eggs sold to hatcheries in the same province are now considered as inter-farm sales and were removed from egg receipts.

- Inter-provincial sales and exports of eggs sold for hatching are still included in egg receipts along with receipts for table eggs.

As of the June 1999 intercensal revision, horse receipts are estimated using slaughter data from the Canadian Food Inspection Agency combined with international exports of slaughter horses.

### Data Quality

As indicated above, farm cash receipts are estimated using both administrative and survey sources of data. Where necessary, data are adjusted to ensure conceptual consistency with the receipts series. Much of the data obtained from administrative sources have been summarized from the financial transactions of individual producers. These summarized data are often subject to audit by independent professional accountants and/or are used to make payments to individual producers. As a result, the quality of these data is considered to be very good. The survey data used in the receipts series reflect typical Statistics Canada standards for quality assurance and, therefore, the quality of these data is considered to be good.

However, it is important to note that the receipts data are subject to error. Administrative data may contain non-sampling error such as keying mistakes, while survey data may suffer from both non-sampling and sampling error. Users should also note that the quality of individual estimates may not be consistent between commodities or between provinces because the data sources and their quality may vary. As well, the estimates of inter-farm sales between provinces are not strong as there are few sources for these data.

More detail on the quality of the crops and livestock data that are used to estimate farm cash receipts can be found in the following Statistics Canada publications.

1. Field Crop Reporting Series, Cat. No. 22-002-XPB/XIB
2. Cereals and Oilseeds Review, Cat. No. 22-007-XPB/XIB
3. Canadian Potato Production, Cat. No. 22-008-UIB
4. Fruit and Vegetable Production, Cat. No. 22-003-XIB
5. Greenhouse, Sod and Nursery Industries, Cat. No. 22-202-XIB
6. Production and Value of Honey and Maple Products, Cat. No. 23-221-XIB
7. Hog Statistics, Cat. No. 23-010-XIE
8. Sheep Statistics, Cat. No. 23-011-XIE
9. Cattle Statistics, Cat. No. 23-012-XIE
10. The Dairy Review, Cat. No. 23-001-XPB/XIB
11. Production of Poultry and Eggs, Cat. No. 23-202-XIB
12. Farm Product Price Index, Cat. No. 21-007-XIB.

### Data Revisions

Annual farm cash receipts data are published twice each year, at the end of May and at the end of November. In May, receipts for the previous two calendar years are subject to revision. In November, receipts for the previous three years may be revised. Every five years a historical revision is done based on the results of the Census of Agriculture. The results of the latest intercensal revision, based on the 2001 Census of Agriculture, have been included with the November 2003 publication, and apply to the period 1991 to 2002.

An indication of the expected size of revisions to farm cash receipts can be provided by a statistic known as Theil's Root Mean Square Prediction Error (RMSPE). This statistic represents the average percent difference between the initial and current estimates during the period in question. For example, the table below indicates that, from 1993 to 2002, total farm cash receipts at the Canada level have so far been revised, either up or down, by about 1.5% from the first published estimate.

	RMSPE 1993-2002
Total receipts	1.5%
Crop receipts	1.8%
Livestock receipts	1.2%
Payments	11.2%

Further information on Theil's RMSPE is available from [A Description of Theil's RMSPE Method in Agricultural Statistical Forecasts](#), Stuart Pursey, Working Paper #1, Agriculture Division, Statistics Canada, 1980.

### **INCOME IN KIND**

Annual income in kind estimates, at an aggregate level, are available in this publication in the net income tables. They are presented by province for the period 1926 to date with the exception of Newfoundland and Labrador, which begins in 1972. Since Newfoundland and Labrador's agricultural production is small relative to the sector as a whole, this break is not significant at the Canada level. Estimates by commodity are available on the CANSIM database.

### Concepts

The income in kind series measures the value of agricultural commodities produced on farms and consumed by individuals living on these farm operations. The home-consumed products are valued at prevailing market prices such that income in kind represents the receipts producers would have received had the product been sold rather than consumed. Agricultural products that are used as inputs in the production of other

agricultural products, such as grain fed to livestock, are not considered as income in kind because they form part of the value of the final product.

Agricultural commodities included in the income in kind series are dairy products, cattle, calves, hogs, lambs, hens and chickens, turkeys, eggs, potatoes, vegetables, fruits, maple products, honey, wool and forest products.

### Methods

Income in kind estimates are derived using three different methods, depending on the commodity. For maple products and wool, estimates of the quantities consumed by farm operators and their families are obtained through surveys.

Estimates of quantities consumed for the other commodities (dairy products, cattle, calves, hogs, sheep, lambs, hens and chickens, turkeys, eggs, potatoes, vegetables, fruits and honey) are based on the number of farm operations producing the item, their average farm family size and the average annual Canadian consumption of the commodity.

Beginning in 1986, a new method for calculating income in kind was used for meat products (beef, veal, pork and lambs). Income in kind for the above listed livestock is derived by the "killed and eaten on the farm" estimates published in the Livestock Statistics (Cat. No. 23-010-XIE, 23-011-XIE, 23-012-XIE) multiplied by the annual average slaughter prices.

As of 1986, income in kind for forest products are based on the number of farm households, annual consumption of wood cords per farm and the average annual price.

Once the quantities of the farm products consumed by producers and their families have been established, they are valued at weighted average market prices received for the product during the year from the farm cash receipts series.

### Data Comparability

The preceding documentation is relevant for the period 1986 to date for meat and forest products and 1981 to date for the other commodities. Prior to 1981, the estimates were, for the most part, based on a survey conducted in 1958 or residually derived from balance sheets. In the case of dairy products, potatoes, vegetables and fruits, the income in kind estimates were smoothed out between 1971 and 1980 in order to gradually blend in the impact of the method differences.

### Data Quality

Estimates of the value of income in kind are prepared using a combination of surveys, Census and administrative data. These data reflect typical Statistics Canada standards for quality assurance and, therefore,

their quality is considered to be good. However, since little information on the consumption patterns of farm families exists, it is not possible to objectively validate the income in kind estimates. As a result, these estimates cannot be considered to be of high quality. Furthermore, they are subject to the general sampling and non-sampling errors present in all types of survey and administrative data.

More detail on the quality of the data that are used to estimate income in kind can be found in the following Statistics Canada publications.

1. The Dairy Review,  
Cat. No. 23-001-XIB
2. Livestock Statistics,  
Cat. No. 23-603-XIE/UIE
3. Production of Poultry and Eggs,  
Cat. No. 23-202-XIB
4. Canadian Potato Production,  
Cat. No. 22-008-UIB
5. Fruit and Vegetable Production,  
Cat. No. 22-003-XIB
6. Canada Food Statistics  
Cat. No. 21-020-XIB
7. Production and Value of Honey and Maple Products,  
Cat. No. 23-221-XIB
8. Farm Product Price Index,  
Cat. No. 21-007-XIB.

### Data Revisions

Annual estimates of income in kind are published twice each year, at the end of May and at the end of November. In May, data for the previous two calendar years are subject to revision. In November, data for the previous three years may be revised. Every five years a historical revision is done based on the results of the Census of Agriculture. The results of the latest intercensal revision, based on the 2001 Census of Agriculture, have been included with the November 2003 publication and apply to the period 1991 to 2002.

An indication of the expected size of revisions to income in kind can be provided by a statistic known as Theil's Root Mean Square Prediction Error (RMSPE). This statistic represents the average percent difference between the initial and current estimates during the period in question. For example, the table below indicates that, from 1990 to 1999, the total value of income in kind at the Canada level has so far been revised, either up or down, by about 47.6% from the first published estimate. This result was mainly due to the change of method for calculating income in kind for meat and forest products. Prior to the June 1999 revision, RMSPE from 1988 to 1997 was estimated at 3.0%.



	RMSPE 1990-1999
Income in kind	47.6%

Further information on Theil's RMSPE is available from [A Description of Theil's RMSPE Method in Agricultural Statistical Forecasts](#), Stuart Pursey, Working Paper #1, Agriculture Division, Statistics Canada, 1980.

### **VALUE OF INVENTORY CHANGE**

This publication presents annual estimates of the aggregate value of inventory change from 1926 to date in the net income tables. Data for Newfoundland and Labrador are only available from 1972. However, since Newfoundland and Labrador's agricultural production is small, this break is not significant at the Canada level. The data series, by item, are available on the CANSIM database by province for the period 1951 to date.

#### Concepts

The value of inventory change measures the value of the change in producer-owned inventories between the beginning and the end of the calendar year. The annual value of inventory change (whether positive or negative), along with farm cash receipts and income in kind, represents the gross value of agricultural production.

Many agricultural commodities, particularly grains, are produced in a given year and stored or held until they are marketed as long as two years later. In years of above-average production, farm inventories tend to be built up, only to be drawn down and sold when production returns to average or below-average levels.

Receipts from the sale of grains can be deferred and then cashed or liquidated in the next year. As a result of the methods used to derive grain receipts, an adjustment is made to the value of inventory change. The adjustment is required in order to avoid double counting in the value of inventory change series.

The value of inventory change is estimated for durum wheat, wheat except durum, oats, barley, rye, corn, flaxseed, solin, canola, soybeans, potatoes, tobacco, mustard seed, sunflower seed, lentils, canary seed, dry peas, cattle, calves, sheep and lambs, hogs, hens and chickens, and turkeys. Deferred grain receipts and liquidations of deferred grain receipts, as mentioned above, are also included.

#### Methods

The value of inventory change series is an estimate of the value of the change in producer-held inventories of agricultural products during a calendar year. The physical change in inventories is valued at weighted average

annual market prices in the case of crops and at simple average annual prices for livestock commodities. This simple average is based on the value per animal at January 1, July 1 and December 31 of each year. In the case of crops, supply and disposition balance sheets are used to establish the beginning and ending inventories on a calendar year basis. Inventories at the end of each crop year and production levels for each crop are based on producer surveys. Monthly disposition items, including marketings, home consumption, feed, waste and dockage, and seed use, are obtained from various sources.

Physical inventory levels at calendar year-end are established for each crop by adding estimates of crop year beginning inventories to estimates of production and then deducting estimates of monthly disposition.

Physical inventory levels for livestock items are established from the quinquennial Census of Agriculture. Between Censuses, semi-annual producer surveys are used to derive inventory levels.

As explained above, the value of inventory change is adjusted to take into account the deferment and liquidation of grain receipts. This adjustment consists of adding to the value of inventory change an amount equal to that shown for deferred grain receipts. Similarly, an amount equal to the value of liquidations is deducted from the value of inventory change.

#### Data Comparability

The preceding documentation is only relevant for the period 1971 to date. The value of inventory change series prior to 1971 is not comparable to the series after 1971. Modifications were made in terms of format and content. The following is a list of the changes made effective January 1971.

- Cash advances and repayments under the Advance Payments for Crops Act and the Prairie Grain Advance Payments Act were removed from the series.
- The value of inventory change for wheat was disaggregated into one value for durum wheat and one for wheat excluding durum.
- The value of inventory change for poultry was disaggregated into one value for turkeys and one for hens and chickens.

#### Data Quality

As indicated above, estimates of the value of inventory change are prepared using both administrative and survey data. These data reflect typical Statistics Canada standards for quality assurance and, therefore, their quality is considered to be good. However, it is important to note that these data are subject to the general

sampling and non-sampling errors present in all types of survey and administrative data.

Estimates of the value of inventory change can also be very volatile. Inventory change can be either positive or negative, depending on whether inventories have increased or decreased. Revisions to any of the supply or disposition items will have a direct effect on inventory levels, and even small revisions could change the sign on inventory change. Furthermore, calendar year inventory levels are often derived residually. As a result, the value of inventory change series is very sensitive and often subject to substantial revision.

More detail on the quality of the data that are used to estimate the value of inventory change can be found in the following Statistics Canada publications.

1. Field Crop Reporting Series,  
Cat. No. 22-002-XPB/XIB
2. Grain Trade of Canada,  
Cat. No. 22-201-XPB
3. Cereals and Oilseeds Review,  
Cat. No. 22-007-XPB/XIB
4. Canadian Potato Production,  
Cat. No. 22-008-UIB
5. Livestock Statistics,  
Cat. No. 23-603-XIE/UIE
6. Production of Poultry and Eggs,  
Cat. No. 23-202-XIB
7. Farm Product Price Index,  
Cat. No. 21-007-XIB.

### Data Revisions

Annual estimates of the value of inventory change are published twice each year, at the end of May and at the end of November. In May, data for the previous two calendar years are subject to revision. In November, data for the previous three years may be revised. Every five years a historical revision is done based on the results of the Census of Agriculture. The results of the latest intercensal revision, based on the 2001 Census of Agriculture, have been included with the November 2003 publication and apply to the period 1991 to 2002.

An indication of the expected size of revisions to the value of inventory change can be provided by a statistic known as Theil's Root Mean Square Prediction Error (RMSPE). This statistic represents the average percent difference between the initial and current estimates during the period in question. For example, the table below indicates that, from 1990 to 1999, the value of inventory change at the Canada level has so far been revised, either up or down, by about 55.0% from the first published estimate.

	RMSPE 1990-1999
Value of Inventory Change	55.0%

Further information on Theil's RMSPE is available from [A Description of Theil's RMSPE Method in Agricultural Statistical Forecasts](#), Stuart Pursey, Working Paper #1, Agriculture Division, Statistics Canada, 1980.

### **FARM OPERATING EXPENSES**

National and provincial level estimates of farm operating expenses and depreciation charges from 1926 to date are included in this publication. There was little impact on the series when Newfoundland and Labrador estimates began in 1972, as they represented only 0.2% of the total Canada expense estimate. Data by type of expense can be found in the publication *Farm Operating Expenses - Agriculture Economic Statistics (21-012-XIE)*. The estimates are presented net of rebates from 1926 to 1970. Net expenses and rebates are available on CANSIM.

Preliminary estimates of a calendar year are published in June of the following year (i.e. six months after the end of the reference year). The January issue revises these estimates to incorporate data received too late to be included in the first release, data revisions received from administrative source agencies, and to incorporate estimates from the Taxation Data Program (TDP), based on 60 to 90% of the sample. Updates based on the 100% TDP sample are incorporated into the issue released the following June (i.e. 18 months after the end of the reference year).

### Concepts

Estimates of farm operating expenses represent business costs incurred by farm operators for goods and services used in the production of agricultural commodities. All expense information is on a calendar year basis. If direct rebates are paid to farmers to reduce the cost of particular inputs, then the net expense estimates are used in the preparation of net income, although both gross and net expenses may be displayed. As the objective is to produce provincial estimates of net income, flows from one farm to another are excluded from the estimates. The province can be viewed as one large farm.

### Methods and Data Quality

Preliminary estimates of each farm operating expense except interest, irrigation, livestock and poultry purchases, crop and hail insurance, and stabilization premiums are obtained by applying price and quantity indicators to the previous year's final estimates. Prior to 1991, most of the final estimates of farm operating expenses came from the National Farm Survey (NFS) and a sample of farmers' income tax records for unincorporated farms outside of the Prairies. From 1991 to date, the Taxation Data Program (TDP) is the main data source. The first set of estimates, based on a 60 to

90% TDP sample, are published in the January issue of the following year. Estimates based on the complete TDP sample are published in the June issue, 18 months after the end of the reference year.

In summary, during non-intercensal review periods, revisions are within 1 to 2% of the original estimate, and may cover three years preceding the reference year for the January issue, and two years for the June release. For additional information please contact the Farm Income and Prices Section (FIPS) at (613) 951-0065.

Revisions are also incorporated into this series after the results of each Census of Agriculture have been reviewed. Concepts, methods and format may also be changed at this time, to provide a historical time series which is methodologically and conceptually consistent. The most recent intercensal reviews have resulted in revisions to the estimate of total gross farm operating expenses, at the Canada level, of 1.6%. Detailed results of the most recent revisions based on the 2001 Census of Agriculture are included in the November 2003 publication.

To obtain detailed technical information on the data quality of the Taxation Data Program, whose estimates form the base of this series, users can refer either to the introduction page or to [Economic Overview of Farm Incomes](#), Statistics Canada Catalogue 21-005-XIE.

For the other expense items (interest, irrigation, livestock and poultry purchases, crop and hail insurance, and stabilization premiums), preliminary estimates of the previous calendar year are published in the June Agriculture Economic Statistics (AES) and includes all data received from source agencies or Statistics Canada sources at the time of release. The January issue revises these to incorporate changes made by the source agencies, and to accommodate data received too late to be included in the first release.

## **DEPRECIATION CHARGES**

### Concepts

Depreciation charges against the farm business are intended to account for economic depreciation or the loss in fair market value of the capital assets. Generally, depreciation is considered to occur as a result of ageing, wear and tear, and obsolescence. It represents the value of capital, which is no longer available for future use. Economic depreciation should not be confused with accounting depreciation, tax depreciation, or capacity depreciation.

Building depreciation estimates the depreciation of farm buildings on owner-occupied farms, including the farm business share of houses. The charge for building depreciation on tenant-occupied farms is assumed to be included in the cost of cash or share rent. Machinery

depreciation estimates the depreciation of the farm business share of autos and trucks and the depreciation of other machinery, which are owned by the farm business. Autos, trucks and machinery, which the farmer leases, are not depreciated.

### Methods and Data Quality

The depreciation on farm buildings is based on the value of farm land and buildings. Provincial owner-occupied proportions are derived from the Census of Agriculture estimates of land tenure. The proportions of houses and other buildings to land are derived from the special 1958 Farm Income and Expenditure Survey, with some adjustments prior to 1984 to account for changes in the proportions over time. The business share of the house was based on tax allowances and expert opinion. These proportions are used to derive the owner-occupied farm business share of the value of farm houses and other buildings. Depreciation is calculated using the declining balance method where the appropriate capital value is multiplied by the depreciation rate. The depreciation rate is 2% for farm houses and 5% for other buildings. It would take 80 and 31 years, respectively, to depreciate 80% of the value from any particular year, using the declining balance method.

Depreciation of autos, trucks and other farm machinery are based on their respective capital value series, using the declining balance method. Depreciation rates vary by province, but range between 9% and 17%. It would take approximately 17 and 9 years, respectively, to depreciate 80% of the value from any particular year, using this method. Only the farm business portion of depreciation on autos or trucks is included. The business share of the autos and trucks was based on tax allowances and expert opinion.

An analysis of the quality of depreciation data was done in 1994. Weaknesses which were identified and remain unresolved include: the use of the change in value of farm land and buildings to estimate farm building depreciation; the use of a conceivably outdated 1958 survey as a benchmark; the omission of fencing as depreciable capital; and the use of indirect sources of information on the proportion of owned assets to total assets. A report on the results of this analysis was prepared and is available on request.

### Leasing of autos, trucks and farm machinery

Beginning in the early 1990's, the leasing of vehicles and farm machinery became increasingly common. That portion of the value of autos, trucks and farm machinery that was being leased by farmers was removed from the depreciation calculation.

**INTERCENSAL REVISIONS**Background

On November 25, 2003, the Agriculture Division released historical revisions from 1991 to 2002 for the Agriculture financial accounts, including: farm cash receipts, operating expenses, net cash income, income in kind, depreciation, value of inventory change and farm capital value.

The revisions were made to align with the results from the 2001 Census of Agriculture and to improve coverage, estimation methods, concepts and sources.

Impact of Revisions on 2000 Data**Farm Cash Receipts**

Total Farm Cash Receipts:  
-\$66.1 million (-0.2%)

Total crop receipts:  
-\$110.7 million (-0.8%)

Total livestock receipts:  
+\$63.4 million (+0.4%)

Direct program payments:  
-\$18.7 million (-0.7%)

**Farm Operating Expenses**

Total Farm Operating Expenses:  
+\$407.4 million (+1.6%)

Net custom work expenses:  
+\$157.3 million (+40.5%)

Commercial feed expenses:  
+\$124.6 million (+3.4%)

Pesticide expenses:  
+\$111.3 million (+7.7%)

Fertilizer expenses:  
+\$68.4 million (+3.4%)

Interest expenses:  
+\$62.7 million (+2.5%)

Livestock and poultry purchase expenses:  
+\$41.5 million (+2.5%)

Machinery repair expenses:  
-\$94.8 million (-4.7%)

Cash wage expenses:  
-\$72.4 million (-2.2%)

Heating fuel expenses:  
-\$30.5 million (-7.8%)

**Net Cash Income**

Net cash income:  
-\$473.5 million (-6.9%)

All comparisons are made for the calendar year 2000, which allowed the comparison of published data with the results of the 2001 Census of Agriculture and a complete Taxation Data Program sample. Differences were calculated by comparing the estimates published in November 2003 (after revision) with those published in May 2003 (before revision).

Justifications for the Revisions**Farm Cash Receipts****Cattle and calves receipts**

Revisions were due to the incorporation of data from the Livestock Section balance sheets which had been benchmarked to the 2001 Census of Agriculture.

Also, interprovincial movement of cattle and calves were reviewed.

Impact on:  
Cattle receipts: +\$24.8 million (+0.4%)  
Calf receipts: +\$24.6 million (+3.1%)  
Total farm cash receipts: (+0.1%)

**Miscellaneous livestock receipts**

Revisions were due to updating the percentages used to estimate miscellaneous livestock categories which were identified on the 2001 Census of Agriculture. The miscellaneous livestock category accounts for commodities which are not estimated individually in the farm cash receipts series.

Impact on:  
Miscellaneous livestock receipts: +\$38.8 million (+14.1%)  
Total farm cash receipts: (+0.1%)

**Vegetable receipts**

Revisions were incorporated from previously published horticulture data.

Impact on:  
Vegetable receipts: +\$27.6 million (+2.2%)  
Total farm cash receipts: (+0.1%)

**Miscellaneous crop receipts**

Revisions were due to updating the percentages used to estimate miscellaneous crops categories which were identified on the 2001 Census of Agriculture. Also 60% of the revision was the removal of chickpea receipts to its own category. The miscellaneous crops category accounts for commodities which are not estimated individually in the farm cash receipts series.

Impact on:  
Miscellaneous crop receipts: -\$105.8 million (-58.9%)

Total farm cash receipts: (−0.3%)

### Forest product receipts

Revisions were made as the estimate was benchmarked to the 2001 Census of Agriculture and a different index (Raw Materials Price Index instead of the Industrial Product Price Index for wood) was incorporated for a price indicator, better reflecting the raw forest products sold off the farm.

Impact on:

Forest product receipts: −\$62.1 million (−34.6%)  
Total farm cash receipts: (−0.2%)

### Hog receipts

Revisions were due to the incorporation of data from the Livestock Section balance sheets which had been benchmarked to the 2001 Census of Agriculture. Price revisions were also incorporated as levy deductions were updated.

Impact on:

Hog receipts: −\$33.1 million (−1.0%)  
Total farm cash receipts: (−0.1%)

### New commodities

The new series on chickpeas was added in Saskatchewan and Alberta.

Impact on:

New commodity receipts: +\$63.1 million  
Total farm cash receipts: (+0.2%)

### Other commodity receipts

The changes to other commodities resulting from Livestock and Crops Sections' intercensal revisions were as follows:

Grain and oilseed receipts: −\$6.2 million  
Remaining crop receipts: −\$7.5 million  
Sheep and lambs receipts: +\$5.3 million  
Dairy, poultry and egg receipts: +\$2.9 million  
Total farm cash receipts: (−0.02%)

### Farm Operating Expenses

#### Net custom work expenses

Net custom work expenses are calculated by subtracting custom work receipts from custom work expenses. Revisions were made because the existing series did not account for the presence of an operating margin in the reporting of custom work receipts.

These revisions provide a better conceptual basis with which to measure the costs to producers of providing custom work services. These costs are subtracted from the gross custom work expense estimate since the receipts from providing custom work services are not considered as agricultural receipts.

The revisions increase the net custom work expense estimate.

Impact on:

Net custom work expenses: +\$157.3 million (+40.5%)  
Total operating expenses: (+0.6%)

#### Commercial feed expenses

Revisions are the result of benchmarking to the 2001 Census of Agriculture and incorporating a model using livestock populations and feed usage factors, which was developed in cooperation with Agriculture and Agri-Food Canada.

Impact on:

Commercial feed expenses: +\$124.6 million (+3.4%)  
Total operating expenses: (+0.5%)

#### Pesticide expenses

Revisions are the result of benchmarking to the 2001 Census of Agriculture and, in some provinces, revisions were made back to 1991.

Impact on:

Pesticide expenses: +\$111.3 million (+7.7%)  
Total operating expenses: (+0.4%)

#### Fertilizer expenses

Revisions were made to incorporate the fertilizer expense collected by the 2001 Census of Agriculture and, in some provinces, revisions were made back to 1991 to incorporate data from the 1996 Census of Agriculture. Growth in this expense was validated and supported by the rapid expansion of the horticulture industry.

Impact on:

Fertilizer expenses: +\$68.4 million (+3.4%)  
Total operating expenses: (+0.3%)

#### Interest expenses

Revisions were made because the supply company debt was reclassified from mortgage debt to non-mortgage debt.

Additionally, in cooperation with Agriculture and Agri-Food Canada, the non-mortgage interest rate calculation was changed using a model developed by the Prices Division. The non-mortgage rate calculation now incorporates a three-year quarterly adjusted prime rate as opposed to a four-year average annual rate.

Impact on:

Interest expenses: +\$62.7 million (+2.5%)  
Total operating expenses: (+0.2%)

#### Livestock and poultry purchase expenses

Revised interprovincial and international import data from the Livestock Section's balance sheets were incorporated.

Impact on:

Livestock and poultry purchase expenses:  
+\$41.5 million (+2.5%)  
Total operating expenses: (+0.2%)

### **Machinery repairs**

Revisions were made as the estimate was benchmarked to the 2001 Census of Agriculture.

Impact on:

Machinery repairs: -\$94.8 million (-4.7%)  
Total operating expenses: (-0.4%)

### **Cash wages**

Revisions were made as the estimate was benchmarked to the 2001 Census of Agriculture.

Impact on:

Cash wages: -\$72.4 million (-2.2%)  
Total operating expenses: (-0.3%)

### **Heating fuel**

Revisions were made as the estimate was benchmarked to the 2001 Census of Agriculture.

Impact on:

Heating fuel: -\$30.5 million (-7.8%)  
Total operating expenses: (-0.1%)

### **All expenses not listed above**

All other expense estimates not listed above were revised to be aligned with the results of the 2001 Census of Agriculture.

Impact on:

All other expenses: +\$39.3 million (+0.4%)  
Total operating expenses: (+0.2%)

### **Net Cash Income**

The impact of benchmarking to the 2001 Census of Agriculture and improved coverage, estimation methods, concepts and sources resulted in a downward revision in net cash income of 6.9%.

Most of the -\$473.5 million revision can be attributed to the expenses component of the ledger as they increased \$407.4 million, while farm cash receipts decreased \$66.1 million.

### **Income in Kind**

Total Income in Kind: -\$3.4 million (-2.2%)

### **Forest products**

Revisions were made as the farm population was updated according to the 2001 Census of Agriculture and a different index (Raw Materials Price Index instead of the Industrial Product Price Index for wood) was incorporated

for a price change indicator, better reflecting the raw forest products used on the farm.

Impact on:

Forest products income in kind: -\$5.7 million (-5.0%)  
Total income in kind: (-3.7%)

### **Beef, veal, mutton and lamb**

Revisions were made as the farm population was updated according to the 2001 Census of Agriculture and the Livestock Section balance sheets which were revised to the 2001 Census of Agriculture were incorporated.

Impact on:

Beef, veal, mutton and  
lamb income in kind: +\$2.3 million (+9.0%)  
Total income in kind: (+1.5%)

### **Depreciation**

Total Depreciation: +\$288.4 million (+7.1%)

Revisions were made back to 1992 as the revised capital values of farm buildings and machinery from the 2001 Census of Agriculture were incorporated. Also an adjustment was made to the leasing component. During the 1996 intercensal revisions, estimates were made to exclude the value of leased vehicles and machinery from the depreciation calculation.

The 2001 Census of Agriculture was the first Census to ask the proportion of leased machinery and vehicles. These initial results on the proportion of leased machinery and vehicles were lower than anticipated.

A further study of industry sources confirmed that lowering the proportion of leased machinery and vehicles was required. As well, more cars, and trucks had to be moved back into the depreciable capital after the lease expired and the farmer purchased the vehicle.

### **Realized Net Income**

Realized Net Income: -\$765.3 million (-26.0%)

The revision process produced a 26.0% decrease in realized net income. Almost 70% of the downward adjustment was the result of the increase in the depreciation estimate.

The remaining decrease can be attributed to the \$ 473.5 million drop in net cash income and its components.

<b>Components</b>	<b>\$ million</b>	<b>% change</b>
Net Cash Income	-473.5	-6.9
Depreciation	+288.4	+7.1
Income in Kind	-3.4	-2.2
Realized Net Income	-765.3	-26.0

**Value of Inventory Change**

Total Value of Inventory Change: +\$363.6 million (+262.2%)

**Cattle and Calves Value of Inventory Change (VIC)**

Revisions were due to the incorporation of the Livestock Section cattle-calves balance sheets which had been benchmarked to the 2001 Census of Agriculture.

Impact on:

Cattle and calves VIC: +\$230.6 million (+151.3%)

**Hogs Value of Inventory Change**

Revisions were due to the incorporation of the Livestock Section hogs balance sheets which had been benchmarked to the 2001 Census of Agriculture.

Impact on:

Hogs VIC: +\$27.5 million (+73.8%)

**Total Net Income**

Total Net Income: -\$401.7 million (-14.0%)

The revisions decreased the total net income by 14.0%. All of the decrease to the estimate can be attributed to the substantial decrease in realized net income as the value of farm inventories, which were revised up \$363.6 million, compensating for part of the \$765.3 million drop in realized net income.

**Impact of intercensal revisions by province, 2000**

	<b>Before Revisions (\$000)</b>	<b>After Revisions (\$000)</b>	<b>Percent Change</b>
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<b>Canada</b>			
Farm Cash Receipts	33,026,576	32,960,524	-0.2
Farm Operating Expenses	26,195,974	26,603,418	1.6
Net Cash Income	6,830,602	6,357,106	-6.9

<b>Newfoundland and Labrador</b>			
Farm Cash Receipts	72,657	74,786	2.9
Farm Operating Expenses	62,593	66,906	6.9
Net Cash Income	10,064	7,880	-21.7

<b>Prince Edward Island</b>			
Farm Cash Receipts	320,689	323,096	0.8
Farm Operating Expenses	279,605	282,444	1.0
Net Cash Income	41,084	40,652	-1.1

<b>Nova Scotia</b>			
Farm Cash Receipts	413,927	414,292	0.1
Farm Operating Expenses	327,646	329,683	0.6
Net Cash Income	86,281	84,609	-1.9

<b>New Brunswick</b>			
Farm Cash Receipts	366,095	369,290	0.9
Farm Operating Expenses	305,668	320,053	4.7
Net Cash Income	60,427	49,237	-18.5

<b>Quebec</b>			
Farm Cash Receipts	5,436,028	5,422,498	-0.2
Farm Operating Expenses	4,228,923	4,228,407	-0.0
Net Cash Income	1,207,105	1,194,091	-1.1

<b>Ontario</b>			
Farm Cash Receipts	7,919,142	7,872,186	-0.6
Farm Operating Expenses	6,331,177	6,402,128	1.1
Net Cash Income	1,587,965	1,470,058	-7.4

<b>Manitoba</b>			
Farm Cash Receipts	3,177,968	3,150,535	-0.9
Farm Operating Expenses	2,528,273	2,563,455	1.4
Net Cash Income	649,695	587,080	-9.6

<b>Saskatchewan</b>			
Farm Cash Receipts	5,717,979	5,722,872	0.1
Farm Operating Expenses	4,542,805	4,572,962	0.7
Net Cash Income	1,175,174	1,149,910	-2.1

<b>Alberta</b>			
Farm Cash Receipts	7,527,603	7,562,537	0.5
Farm Operating Expenses	5,981,758	6,157,013	2.9
Net Cash Income	1,545,845	1,405,524	-9.1

<b>British Columbia</b>			
Farm Cash Receipts	2,074,488	2,048,439	-1.3
Farm Operating Expenses	1,607,526	1,680,367	4.5
Net Cash Income	466,962	368,072	-21.2

## **NET CASH INCOME COMPARISON**

The net cash income estimates published in the Net Farm Income - Agriculture Economic Statistics (21-010-XIE) are the official Statistics Canada (STC) estimates. Other estimates of net cash income (farm cash receipts less operating expenses) can be derived from the STC Agriculture Division Net Income Stabilization Account and Taxation Data Program (NISA/TDP), the Farm Financial Survey (FFS, 21F0008XIB) and the Census of Agriculture. It is important to understand data sources, coverage and conceptual differences when comparing data collected for different purposes. Adjustments are required to make these estimates comparable.

### **1. Sources**

#### **a) Net Farm Income - Agriculture Economic Statistics (AES)**

The official series of measures of net cash income are published in the AES electronic publication. The net cash income series measures the aggregate earnings of all agricultural businesses from the production of agricultural goods at the provincial and national level. Annual estimates are established from a wide variety of surveys and administrative data on crop and livestock production and inventories, quantity marketed, average farm prices, program payments, agricultural expenses and rebates. For some variables, Census of Agriculture, NISA/TDP and FFS estimates are used either as benchmarks or indicators of annual changes.

#### **b) Net Income Stabilization Account and Taxation Data Program (NISA/TDP)**

The NISA/TDP estimates a range of financial variables, including revenue and expenses from a total sample of over 180,000 tax filer records which includes records from both incorporated and unincorporated operations. The NISA/TDP publishes annual average estimates by farm type, sales classes and sub-provincial regions.

The NISA/TDP publishes information representing all individual tax filers who reported total farm operating revenues of \$10,000 or more on their income tax return and agricultural corporations reporting total farm operating revenues of \$25,000 and over, and for which 50% or more of their sales come from agricultural activities. Data on unincorporated farms reporting total operating revenues below \$10,000 is available as estimates on incorporated farms with revenues less than \$25,000 but these are not included in the NISA/TDP publication because of the lower quality of these estimates.

#### **c) Farm Financial Survey (FFS)**

The annual FFS is another source of financial information collected from a sample of about 18,000 farms. (This survey was biennial prior to the 2003 FFS.) The sample includes both incorporated and unincorporated farms with

annual sales from agricultural activities exceeding \$10,000 (\$2,000 prior to 1998). This survey collects total gross receipts from program payments and the sales of agricultural products grouped by major categories (e.g., grains and oilseeds, horticulture) as well as total expenses (excluding depreciation) along with detail on crop, livestock and machinery expenses, interest expenses, wages, crop insurance and NISA contributions. The FFS program produces average estimates of primarily financial balance sheet items including details on income and expenses at the provincial level by sales class and farm type.

#### **d) Census of Agriculture**

Every five years, the Census of Agriculture collects a wide variety of data, including total gross farm receipts and operating expenses by category, on all farm operations in Canada producing agricultural products with the intention of selling them. The Census of Agriculture publishes estimates of total gross farm receipts and operating expenses by farm type, sales classes and sub-provincial regions.

### **2. Conceptual Differences**

#### **a) Net Farm Income - Agriculture Economic Statistics (AES)**

AES estimates include all agricultural businesses. These data are not available by farm type, sales classes, sub-provincial regions or at the micro level. Receipts and expenses are estimated by calendar year. They are recorded on a cash basis when the money is paid to or disbursed by the farmer.

AES receipts and expenses exclude:

income earned from non-agricultural use of the farm (e.g., income from tourism activities on farm); income that farm operators or their families receive from other sources (e.g., wages and salaries from non agricultural activities, and investment income); revenue or expenses from the sale or purchase of farm capital (real estate, machinery and equipment), although the interest paid on these purchases is included as an expense; capital payments where funds do not relate to current production and transfer payments (such as training allowances) directed to individuals; unlike the NISA/TDP, FFS and Census of Agriculture, AES estimates exclude farm-to-farm transactions, unless they occur across provincial or national borders. Within a province, sales from one farm are considered an expense to another, thus offsetting each other.

#### **b) Net Income Stabilisation Program/Taxation Data Program (NISA/TDP)**

The NISA/TDP estimates represent all individual tax filers who reported total farm operating revenues of \$10,000 or more on their income tax return and agricultural corporations reporting total farm operating revenues of \$25,000 and over, and for which 50% or more of their sales come from agricultural activities.



Some non-farmers may be present on the NISA/TDP database (e.g., someone reporting farm income from a crop share agreement but not involved in a farming operation).

The estimates are published on a calendar year basis but no attempt is made to adjust data from agricultural corporations reporting data on a fiscal year that may not coincide with a calendar year.

The NISA/TDP "Total Operating Revenues" includes "Custom Work and Machine Rental" and "Rental Income" which are not included in the AES farm cash receipts. However, AES "Custom Work and Machine Rental" represent a "net" expense (the difference between custom work expenses and receipts). For example, earned income from custom work done by farmers outside their operation is deducted from the amount they paid to other custom work operators for other types of custom work done on their operation.

#### c) Farm Financial Survey (FFS)

The sample includes both incorporated and unincorporated farms with annual sales from agricultural activities exceeding \$10,000 (\$2,000 prior to 1998). Like the NISA/TDP, no adjustment is made to agricultural corporations reporting data on a fiscal year that may not coincide with the calendar year period.

The FFS "Total Gross Farm Receipts" includes agricultural custom work receipts that are not directly accounted for in the AES farm cash receipts. The treatment of "custom work" is similar to the NISA/TDP.

#### d) Census of Agriculture

The Census of Agriculture collects data from any farm operation producing agricultural products with the intention of selling them. Data are generally provided on a calendar year basis, or for a complete fiscal year.

Unlike the AES, Census of Agriculture data on receipts include dividends received from co-operatives, Goods and Service Tax (GST) refunds, custom work receipts, and rebates received.

### 3. Comparison of estimates

Conceptual and methodological differences and data collection methods can result in misleading comparisons between AES receipts or expenses series and total income or expenses derived from NISA/TDP, FFS or Census of Agriculture data. The exclusion of farm-to-farm transactions within a province in the AES and their inclusion in the NISA/TDP, FFS and Census of Agriculture datasets is the main reason making the comparison difficult. However, net cash income estimates (farm cash receipts less operating expenses) are more directly comparable since, within a province,

sales from one farm is an expense to another farm, thus offsetting each other.

As is the case with farm-to-farm sales, some receipt items not included in the AES receipt series would tend to cancel each other out when deriving net cash income estimates from the various sources. For example, the exclusion of custom work receipts in AES receipts is compensated to a large extent in the net income estimates by the use of a net custom work estimate (custom work expenses – custom work receipts) in the AES expense series. In a less precise manner, one could expect the NISA/TDP estimates for the components of "miscellaneous revenue" and "miscellaneous farm expenses" not included in the AES series to offset each other to some degree.

The NISA/TDP publishes average receipts and expenses only for farms reporting total farm operating revenues of \$10,000 or more on their income tax return and agricultural corporations reporting total farm operating revenues of \$25,000 and over, and for which 50% or more of their sales come from agricultural activities. For purposes of comparisons with the AES, estimations for the unincorporated farms reporting total operating revenues below \$10,000 are used internally in spite of the lower quality of these estimates.

## 4. Results

### a) Net cash income comparison - Total, 2000.

	AES (1)	TDP (2)	CEAG (1)
	' 000 of dollars		
<b>Newfoundland</b>	7,880	5,072	11,679
<b>Prince Edward Island</b>	40,652	54,493	59,435
<b>Nova Scotia</b>	84,609	66,295	84,906
<b>New Brunswick</b>	49,237	55,294	68,597
<b>Quebec</b>	1,194,091	1,054,434	1,078,490
<b>Ontario</b>	1,470,058	1,164,314	1,306,795
<b>Manitoba</b>	587,080	486,867	461,669
<b>Saskatchewan</b>	1,149,910	1,101,817	876,608
<b>Alberta</b>	1,405,524	1,260,792	1,018,061
<b>British Columbia</b>	368,072	238,346	236,847
<b>Canada</b>	6,357,113	5,487,725	5,203,088

- (1) Covers all agricultural holdings. For comparison purposes, the Canada total is the sum of the provincial totals.
- (2) Adjusted to include unincorporated farms with total farm operating revenues lower than \$10,000. Does not include agricultural corporations with total operating revenues below \$25,000.

**a) Net cash income comparison – Absolute and relative differences, 2000.**

	<b>Difference</b>	
	<b>(TDP-AES)</b>	<b>(CEAG-AES)</b>
	' 000 of dollars	
<b>Newfoundland</b>	-2,808	6,607
<b>Prince Edward Island</b>	13,841	4,942
<b>Nova Scotia</b>	-18,314	18,611
<b>New Brunswick</b>	6,057	13,303
<b>Quebec</b>	-139,657	24,057
<b>Ontario</b>	-305,744	142,481
<b>Manitoba</b>	-100,213	-25,197
<b>Saskatchewan</b>	-48,093	-225,209
<b>Alberta</b>	-144,732	-242,731
<b>British Columbia</b>	-129,726	-1,500
<b>Canada</b>	-869,388	-284,636

	<b>Relative Difference</b>	
	<b>(TDP-AES)/AES</b>	<b>(CEAG-AES)/AES</b>
	%	
<b>Newfoundland</b>	-35.6	83.8
<b>Prince Edward Island</b>	34.0	12.2
<b>Nova Scotia</b>	-21.6	22.0
<b>New Brunswick</b>	12.3	27.0
<b>Quebec</b>	-11.7	2.0
<b>Ontario</b>	-20.8	9.7
<b>Manitoba</b>	-17.1	-4.3
<b>Saskatchewan</b>	-4.2	-19.6
<b>Alberta</b>	-10.3	-17.3
<b>British Columbia</b>	-35.2	-0.4
<b>Canada</b>	-13.7	-4.5

**5. Conclusion:**

Comparing data collected for different purposes is not an easy task. It is extremely difficult to identify precisely what causes the discrepancies at the aggregate level. There will be always discrepancies due to differences in coverage, accounting methods and period, edit, imputation and estimation methods of the survey, census or administrative data. These differences are often compounded in an estimate, such as net cash income, that is measured residually. The intercensal revisions conducted after the release of the 2001 Census of Agriculture reduced the discrepancies with the NISA/TDP at the national level.

## How to obtain more information

Inquiries about this product and related statistics or services should be directed to Client Services and Marketing Unit, Agriculture Division, Statistics Canada at 1-800-465-1991 or by email: [agriculture@statcan.ca](mailto:agriculture@statcan.ca)

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<b>E-mail inquiries</b>	<b><a href="mailto:infostats@statcan.ca">infostats@statcan.ca</a></b>

This publication was prepared under the direction of:

- Paul Murray, Chief  
Farm Income and Prices Section
- Marco Morin, Head  
Farm Expenses Unit
- Brian Biggs  
Farm Expenses Unit
- Sophie Leduc  
Farm Prices Unit