

The Nova Scotia Crop and Livestock Insurance Commission

## **2018-19 ANNUAL REPORT**









His Honour The Honourable Arthur J. LeBlanc, ONS, QC Lieutenant-Governor of Nova Scotia

Dear Sir:

I have the honour to transmit herewith the Annual Report of the Nova Scotia Crop and Livestock Insurance Commission for the year ended March 31, 2019.

I am, Your Honour Yours very truly,

Keith Colwell, ECNS
Minister of Agriculture

The Honourable Keith Colwell Minister of Agriculture

Dear Sir:

We have the honour to herewith submit the fiftieth Annual Report of the Nova Scotia Crop and Livestock Insurance Commission for the fiscal year ending March 31, 2019. Included in this report is a summary of operations, the audited financial statements, and statistical information for the programs under the authority of the Commission.

Respectfully submitted, Nova Scotia Crop and Livestock Insurance Commission

Chair

Bill MacLeod, P. Ag.

CEO

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## Fifty Years of Crop Insurance in Nova Scotia 1968-2018

Fifty years ago, on April 11,1968 the Nova Scotia Crop Insurance Act was proclaimed. In September of that year, S.E. Lewis was appointed by Governor in Council as the first Chairman. He was joined by J.D. Johnson (Vice Chairman), R.S. Taylor, W.J. Gibbard, R.E. Newcombe, and A.G. LeLacheur. The Commission's first meeting was on October 22, 1968 and they quickly set to work implementing a Crop Insurance Program for Nova Scotia. In his opening remarks, Chairman Lewis expressed gratitude to the members of the Commission for their willingness to serve in setting up a modern and worthwhile tool to progressive agriculture in Nova Scotia.

The first insurance plan developed was the Spring Grain Plan. This plan covered oats, barley, wheat and mixed grain and was made available in the Spring of 1969. The plan had 277 growers its first year insuring 10,126.6 acres. Total premiums were \$15,157.96. There were 18 claims in the first year totaling \$8,043.41. A Winter Grain Plan soon followed in the fall of 1969 with 25 growers insuring 725.85 acres. A Tree Fruit Plan was also developed that Fall and offered to growers in February 1970. Forty tree fruit growers bought coverage for 2,033.5 acres the first year it was offered.

Fifty years later, these inaugural insurance plans are still offered by the Commission. Additional Crop Insurance Plans have been added, as well as Canada's first Dairy Livestock Insurance Plan and a Poultry Insurance Plan.

Today, the Commission is proud to offer 16 Crop Insurance Plans covering 59 different crops, a Dairy Insurance Plan and a Poultry Insurance Plan. The Commission also offers a Wildlife Compensation Program. Collectively, these insurance plans provide insurance coverage of over 191 million dollars protecting the Nova Scotia agricultural industry from the risk of production losses caused by naturally occurring perils such as adverse weather, insects, disease and wildlife.

While Nova Scotia's Crop Insurance Program has grown and changed over 50 years, the fundamental principles and design of the program have remained relatively constant and are a true testament to the vision and dedication of the first members of the Commission and the 40 industry leaders who have served the Commission from 1968 to present.

## **COMMISSION CHAIRPERSONS**

*	1 <sup>st</sup>	S.E. Lewis	former Deputy Minister of Agriculture & Marketing (deceased)
	$2^{\text{nd}}$	H.B. Fuller	Horton, Kings County
	$3^{\text{rd}}$	L.C.H. Vissers	East Stewiacke, Colchester County (deceased)
	4 <sup>th</sup>	P.A. van Oostrum	Canard, Kings County
	5 <sup>th</sup>	J. Forbes	St. Andrews, Antigonish County (deceased)
**	$6^{th}$	A. Bentley	Westchester, Cumberland County

## The following have served as members of the Commission:

*	A.G. LeLacheur	Agriculture Canada (deceased)
*	R. Raylor	Berwick, Kings County (deceased)
*	W.J. Gibbard	Tatamagouche, Colchester County (deceased)
*	R. Newcombe	Port Williams, Kings County
*	J.D. Johnson	Department of Agriculture and Marketing
	E. Reynolds	Falmouth, Hants County (deceased)
	G. Brown	Wallace Bay, Cumberland County
	G. Coldwell	Port Williams, Kings County
	L. Hayman	Tatamagouche, Colchester County
	D. Salt	Wallace, Cumberland County
	W. McCurdy	Old Barns, Colchester County
	D. Dickinson	West Brook, Cumberland County
	L. Palmer	Morristown, Kings County
	W. Dykstna	Scotsburn, Pictou County
	W. Swetnam	Sheffield Mills, Kings County (deceased)
	D. Gunn, Jr.	Scotsburn, Pictou County
	J. Goit	Department of Agriculture and Marketing
	G. Densmore	Brookfield, Colchester County (deceased)
	C. Eaton	Canard, Kings County
	G. Parker	Waterville, Kings County
	T. Fullerton	Harrison Settlement, Cumberland County
	D. Sangster	Department of Agriculture and Marketing
	W. Purdy	Collingwood, Cumberland County
	M. Johnson	Department of Agriculture and Fisheries
**	R.M. Walsh	Berwick, Kings County
	P. Stead	Truro, Colchester County (deceased)
	J. Baillie	Tatamagouche, Colchester County
	G.C. Smith	Department of Agriculture/Saltsprings, Pictou County
	A.A. Pick	Department of Agriculture/Center Rawdon, Hants County
**	J. Vissers	MacKay Siding, Colchester County
**	R.K. Prange	Wolfville, Kings County
**	D. Davison	Falmouth, Hants County
**	R. Grant	Department of Agriculture/Rawdon, Hants County

- \* First members of the Commission
- \*\* Current Members of the Commission

## **COMMISSION MANAGERS**

Donald MacNeil 1969 – 1991 Brian Mahoney 1991 – 1998 Gerald Post 1998 – 2007 Bill MacLeod 2007 – Present

## 2019-20 COMMISSION OFFICERS

#### **BOARD OF DIRECTORS:**

Avard Bentley, Chair Ruth Grant, Vice Chair Robert Prange Westchester, Cumberland Co. Centre Rawdon, Hants Co. Wolfville, Kings Co.

John VissersR. Michael WalshDanny DavisonMacKay Siding, Colchester Co.Berwick, Kings Co.Falmouth, Hants Co.

#### **PRINCIPAL OFFICERS:**

B. MacLeod – CEO

M. Grant/J. Putnam – Secretary

H.D. Black – Finance Officer

K.S. MacDonald – Clerk

G.D. Macintosh – Supervisor, Field Services

G. Thyssen & A. Parsons-Lushington – Acting Supervisor, Field Services

A. Parsons-Lushington – Research and Development Coordinator

D. Thibodeau – Business Systems Analyst

#### **AUDITOR:**

**Grant Thornton** 

#### **SOLICITORS:**

C. Thompson

## **FIELD STAFF:**

A. Garnett

J.M. Peill

G. Thyssen

#### PROGRAM BACKGROUND

The Nova Scotia Crop Insurance Act, which was assented to in 1968 and amended in 1978, 2005 and in 2010, to provide for the administration of the Livestock Insurance program, is cited as the Crop and Livestock Insurance Act.

Under the Crop and Livestock Insurance Act, the Commission is responsible to administer the program under the direction, supervision, and control of the Minister of Agriculture.

The Commission administers crop insurance coverage to 16 crop insurance plans and a dairy and poultry livestock insurance program.

Since 2008 the Commission has administered the Canada/Nova Scotia Wildlife Compensation Program.

## **OBJECTIVES AND RESPONSIBILITIES**

The fundamental objective of the Crop and Livestock Insurance Commission is to make available to Nova Scotia farmers insurance-based programs that will assist in years of reduced yields, lower revenue, and losses due to insurable perils.

In the interest of efficiency of operations and convenience to farmers, the programs are administered by a common staff, but each program stands on its own. Separate accounting for premium and indemnities is maintained for each program. Administration expenses are proportioned to each program.

## FINANCIAL PARTICIPATION

The administration of the Crop and Livestock Insurance program is the responsibility of the Commission. It is subject to the provisions under the Canadian Agricultural Partnership (CAP), a Federal-Provincial-Territorial Framework Agreement on Agriculture, Agri-Food and Agri-Based Products Policy. Crop and Livestock Insurance, in Nova Scotia, is delivered under the authority of the Crop and Livestock Insurance Act.

The governments of Nova Scotia and Canada each contribute a percentage of administration expenses for crop insurance and wildlife compensation. Administration expenses for other programs administered by the Commission are the responsibility of the Province.

For 2018-19, the government of Nova Scotia contributed approximately 40 per cent of the total administration costs, 24 per cent of the crop insurance premium and 40 percent of wildlife compensation payments. The Government of Canada contributed 60 per cent of the total administration costs and 36 per cent of the premium for crop insurance programs and 60 percent of wildlife compensation payments.

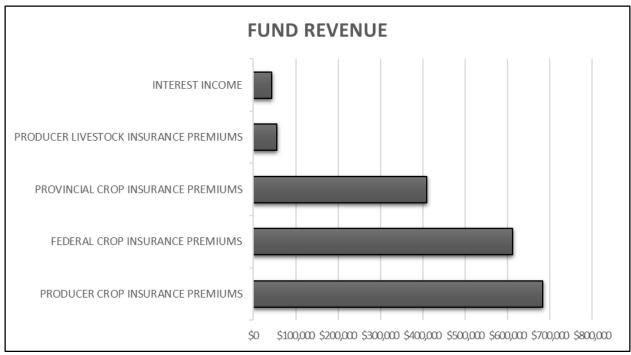


Fig.1: Total fund revenue for Nova Scotia Crop and Livestock Insurance Commission for 2018-19

#### **INSURANCE PLANS IN FORCE**

Spring Grain – oats, barley, wheat Winter Grain – rye, wheat, triticale Tree Fruit – apples, pears, peaches

Tree Insurance – apples, pears

Corn – silage, grain, high moisture

Blueberries – lowbush and highbush blueberries

Strawberries – June Bearing, Day Neutral

Raspberries –

Forage – establishment year

Soybeans – soybeans, canola, sunflowers

Potatoes – processing, seed, table Vegetables – processing carrots

Weather Derivative – forage Maple – syrup

Grapes – French hybrid, Vinifera, Labrusca

Acreage Loss (Vegetables) - Beets, carrots, green onions, parsnips, radish, rutabaga,

summer turnip, onions (yellow & red), broccoli, brussels sprouts, cabbage, cauliflower, celery, kale, lettuce, spinach, eggplant, field cucumbers, field tomatoes, melons, peppers, pumpkins, summer squash, zucchini, winter squash, fresh

heans

Dairy – dairy cows, heifers and calves; loss of income benefit

Poultry – broilers, pullets, layers, breeders

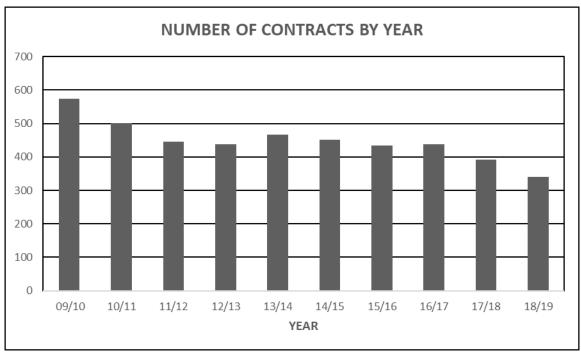


Fig. 2: Nova Scotia Crop and Livestock Insurance Commission contracts (2009-2019).

## FEATURES OF THE CROP INSURANCE PLANS

## **Designated Perils**

The crop insurance plans protect against loss caused by drought, frost, hail, wind, excessive moisture, insect infestation, plant disease, wildlife, winter injury, unavoidable pollination failure, and off-crop due to adverse weather conditions.

## **Type of Insurance**

For yield based plans, each insured crop is guaranteed a specific yield based upon the past yield records of each insured client. When no past records are available, a bench mark, either provincial or industry averages, is used.

For non-yield based plans (weather) the guarantee is based on other specific measurables such as total precipitation (or lack of) for a specified area which is known to result in a loss of crop production or quality. The acreage loss plan for vegetables provides a production guarantee based on the cost of producing an acre of crop.

## **Quality Guarantee**

Quality losses are taken into consideration with certain plans such as tree fruit, corn, spring and winter grain, as well as weather.

## **Premium Discount/Surcharge**

The base premium rate for all insurance plans, with the exception of forage, tree endorsement, and poultry, is adjusted by giving a discount when indemnities paid are less than premium collected or by adding a surcharge when indemnities paid exceed premium collected. The maximum discount shall be 50% and the maximum surcharge shall be 100%.

#### **Other Programs:**

The Nova Scotia Crop and Livestock Insurance Commission administers a compensation program to Nova Scotia farmers for losses to specified crops or livestock as a direct result of the activities of specified wildlife. There is no requirement for producers to be enrolled in Crop Insurance to obtain a compensation payment. Claimants must be registered under the Nova Scotia Farm Registration System. The Province of Nova Scotia and the Government of Canada contribute 40% and 60% respectively for the cost for administration and compensation payments.

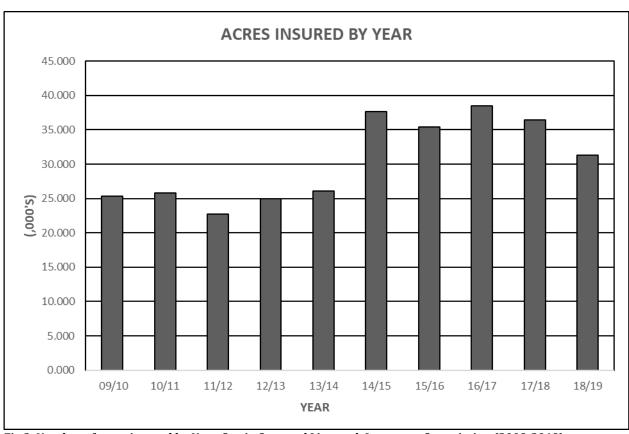


Fig.3: Number of acres insured by Nova Scotia Crop and Livestock Insurance Commission (2009-2019)

Table 1: \*\*\*Annual statistical summaries of insurance plans (2018-19)

PLAN	NO. GROWERS	NO. ACRES	TOTAL COVERAGE (\$)	TOTAL PREMIUM (\$)	TOTAL INDEMNITIES (\$)
Spring Grain	24	1,430.32	195,005.87	26,433.79	3,917.07
Tree Fruit	89	2,699.40	34,140,796.19	1,012,697.69	5,924,122.97
Forage Est. 2015	2	57	17,100.00	1,175.63	0
Corn	55	7,999.32	3,846,512.92	126,775.95	55,080.53
Blueberries	82	4,382.07	3,821,653.09	176,164.09	253,523.06
Strawberries	1	15	122,256.00	19,891.05	48,742.00
*Winter Grain 2018	11	797.76	267,916.98	28,786.48	6,911.32
Potato	1	137	91,402.00	9,048.80	24,740.92
Vegetables	1	38	54,588.52	3,520.96	16,849.00
Soybeans	27	3,339.90	1,327,312.26	55,124.85	67,838.36
Acreage Loss	7	450.80	1,053,025.00	96,890.73	43,555.05
Grapes	9	133.91	269,029.74	23,296.53	73,93470
Weather Derivative	24	9,854.28	2,785,144.64	113,423.37	0.00
Maple	7	**143,650.00	284,430.00	20,502.89	0.00
Crop Summary	340	31,334.76	48,276,173.21	1,713,732.81	6,519,214.98
	Herds	Animals/Birds			
Loss Income (Dairy)	0	0			0.00
Livestock (Dairy)	87	15,800	36,269,641.46	31,126.34	110,990.72
Poultry	134	51,081,234.00	103,158,054.74	23,394.48	23,394.48
Totals			187,703,869.41	1,768,253.63	1,892,222.93

<sup>\*</sup>Winter grain claims reflect crop year 2018.

<sup>\*\*</sup>Number of taps (not included in the number of acres).

<sup>\*\*\*</sup>Statement summary may differ from those  $\sim$  the financial statements due to year end actuarial processes.

Table 2: Summary of crop insurance plans (1969-70 to 2018-19 crop year inclusive)

PLAN	NO. YEARS	NO. CLAIMS	TOTAL PREMIUM	CLAIMS PAID	LOSS RATIO
Spring Grain	50	1837	\$ 1,915,175.48	\$ 2,083,179.44	1.09
Winter Grain	49	419	\$ 986,048.07	\$ 1,008,941.55	1.02
Tree Fruit	49	759	\$ 11,462,674.35	\$ 17,787,062.85	1.55
Tree Rider	34	32	\$ 507,653.35	\$ 258,951.27	0.51
Tobacco	25	21	\$ 767,809.39	\$ 561,296.33	0.73
Corn	48	694	\$ 3,470,772.52	\$ 2,305,738.85	0.66
Peas & Beans	32	629	\$ 3,140,338.94	\$ 3,315,484.65	1.06
Blueberries	46	1437	\$ 9,380,343.49	\$ 9,880,406.59	1.05
Strawberries	45	138	\$ 503,955.53	\$ 747,472.32	1.48
Forage Est.	41	156	\$ 110,464.42	\$ 97,548.62	0.88
Soybeans	33	133	\$ 828,141.63	\$ 612,726.89	0.74
Potatoes	29	41	\$ 1,338,120.76	\$ 2,282,301.36	1.71
Raspberries	6	4	\$ 1,429.44	\$ 3,216.60	2.25
Forage Prod.	3	1	\$ 16,983.20	\$ 4,551.38	0.27
Vegetables	19	64	\$ 1,652,855.48	\$ 2,619,749.49	1.58
Weather Derivative	12	100	\$ 1,533,161.52	\$ 1,299,427.57	0.85
Maple	9	11	\$ 200,895.96	\$ 256,827.00	1.28
Acreage Loss	3	25	\$ 316,407.48	\$ 278,406.70	0.88
Grape	3	5	\$ 63,175.98	\$ 73,934.70	1.17
TOTAL		6506	\$ 38,196,406.99	\$ 45,477,224.16	1.19

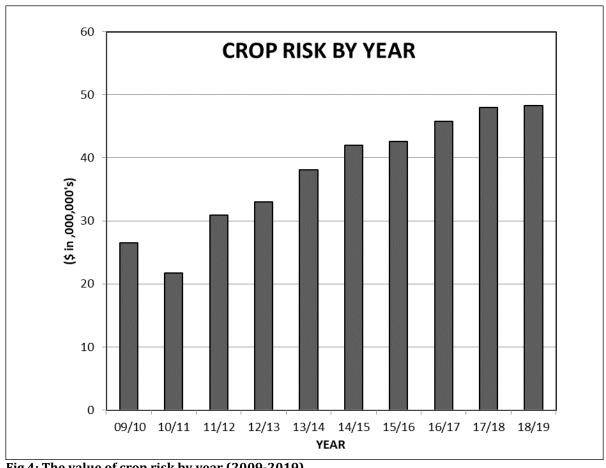


Fig 4: The value of crop risk by year (2009-2019)

Table 3: Operations summary of crop insurance years (1969-70 to 2018-19 crop years inclusive)

YEARS 1969-1970 1970-1971	CONTRACTS 277	COVERAGE	PREMIUM	PAID	RATIO
1970-1971	277	040001			141110
		310,831.53	15,157.96	8,043.41	0.53
	345	823,244.95	31,954.54	35,304.14	1.10
1971-1972	364	777,955.53	32,884.51	50,406.29	1.53
1972-1973	386	1,553,341.41	77,955.05	78,023.10	1.00
1973-1974	492	1,762,978.44	96,519.82	252,505.26	2.62
1974-1975	565	2,030,120.33	164,694.03	232,358.15	1.41
1975-1976	568	2,274,900.30	198,451.73	169,900.31	0.86
1976-1977	602	2,751,869.76	220,219.10	90,559.13	0.41
1977-1978	770	3,381,581.47	251,407.28	253,696.31	1.01
1978-1979	781	3,730,752.45	284,334.24	131,548.18	0.46
1979-1980	695	3,994,307.91	296,406.94	300,974.95	1.02
1980-1981	666	4,228,150.76	295,329.10	196,488.55	0.67
1981-1982	752	5,854,042.18	401,609.14	219,338.95	0.55
1982-1983	760	6,618,768.79	449,727.96	123,888.71	0.28
1983-1984	775	7,103,107.33	444,870.21	442,181.20	0.99
1984-1985	740	8,842,444.23	447,720.90	132,831.31	0.30
1985-1986	730	10,270,802.44	453,493.02	503,450.98	1.11
1986-1987	730	10,403,518.12	498,145.77	1,391,264.35	2.79
1987-1988	597	10,361,043.62	537,153.84	158,436.63	0.29
1988-1989	532	10,327,601.34	536,984.92	100,853.06	0.19
1989-1990	604	10,790,684.96	545,818.31	879,678.97	1.61
1990-1991	568	10,304,249.40	574,316.40	357,824.57	0.62
1991-1992	544	12,184,356.19	634,945.12	1,411,800.88	2.22
1992-1993	624	10,904,552.94	657,657.87	200,655.25	0.31
1993-1994	577	11,409,076.02	623,830.52	927,816.14	1.49
1994-1995	568	11,164,842.39	577,366.31	535,838.81	0.93
1995-1996	580	11,321,945.62	546,030.04	326,525.71	0.60
1996-1997	553	11,181,624.19	572,589.79	466,881.74	0.82
1997-1998	600	11,842,296.94	587,480.80	772,721.07	1.32
1998-1999	563	13,583,764.80	645,583.16	933,129.48	1.45
1999-2000	540	12,136,267.30	639,559.88	797,459.04	1.25
2000-2001	552	14,310,381.33	674,353.56	284,246.26	0.42
2001-2002	532	14,805,607.02	660,808.39	914,843.99	1.38
2002-2003	532	16,347,492.87	818,650.80	364,453.37	0.45
2003-2004	532	16,193,016.04	833,525.55	827,584.94	0.99
2004-2005	496	16,161,000.34	749,438.21	486,826.86	0.65
2005-2006	526	16,845,536.59	790,475.19	1,107,701.83	1.40
2006-2007	525	22,466,132.67	860,560.79	1,656,030.07	1.92
2007-2008	522	27,188,516.06	1,233,419.20	2,030,822.80	1.65
2008-2009	504	30,332,865.07	1,445,680.16	1,620,386.29	1.12
2009-2010	574	33,352,632.88	1,793,088.60	2,654,096.74	1.48
2010-2011	501	21,661,518.92	1,453,641.52	1,517,820.84	1.04
2011-2012	446	30,958,118.69	1,541,396.80	2,410,913.00	1.56
2012-2013	438	33,018,952.19	1,858,435.46	1,283,964.39	0.69
2013-2014	463	38,020,988.84	1,848,256.31	2,361,656.41	1.28
2014-2015	452	41,979,917.41	1,901,707.33	1,649,505.05	0.87
2015-2016	435	42,609,886.54	1,872,385.59	2,064,587.77	1.10
2016-2017	438	45,798,069.07	1,937,840.80	1,381,626.91	0.71
2017-2018	392	47,957,021.67	1,868,811.66	1,858,557.03	0.99
2018-19	340	48,276,173.21	1,713,732.81	6,519,214.98	3.80
TOTAL	<u> </u>	782,508,851.05	38,196,406.99	45,477,224.16	1.19

Since the program's implementation in 1969, for every dollar collected in premium \$1.19 has been paid out in claims.

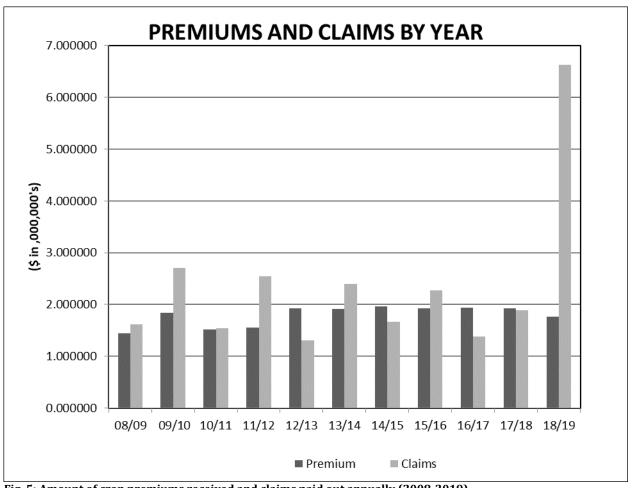


Fig. 5: Amount of crop premiums received and claims paid out annually (2008-2019)

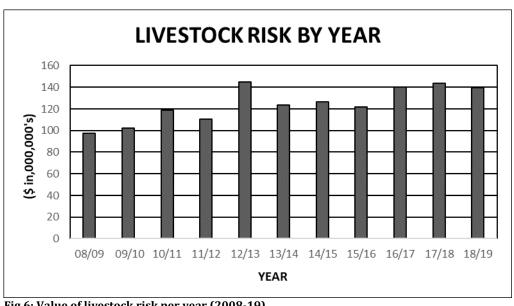


Fig 6: Value of livestock risk per year (2008-19)

Table 4: Summary of dairy livestock insurance plan (April 1st, 1978-March 31st, 2019)

Tuble 1. buill				st, 1978-March 31	
YEARS	NO. INSURED HERDS	INSURED ANIMALS	TOTAL PREMIUM	CLAIMS PAID	LOSS RATIO
2018-2019	87	15,800	31,126.34	110,990.72	3.57
2017-2018	92	15,567	32,257.99	33,665.90	1.04
2016-2017	95	15,334	32,399.51	12,000.00	0.37
2015-2016	95	15,644	33,413.53	205,109.28	6.14
2014-2015	102	15,860	32,719.59	15,400.00	0.47
2013-2014	105	16,131	33,134.19	33,000.00	1.00
2012-2013	115	21,570	40,732.89	24,600.00	0.60
2011-2012	105	16,579	27,710.12	139,426.40	5.03
2010-2011	115	17,782	33,048.94	28,400.00	0.86
2009-2010	116	17,701	32,090.80	55,600.00	1.73
2008-2009	122	17,934	31,403.59	32,600.00	1.04
2007-2008	128	18,163	30,051.17	174,473.03	5.81
2006-2007	131	17,790	28,564.70	17,000.00	0.60
2005-2006	140	18,670	30,530.51	10,800.00	0.35
2004-2005	148	19,807	33,767.77	4,000.00	0.12
2003-2004	165	20,749	34,980.83	47,640.00	1.36
2002-2003	179	21,769	32,864.20	30,144.00	0.92
2001-2002	184	21,640	20,858.02	14,210.00	0.68
2000-2001	182	20,252	19,538.76	197,632.22	10.11
1999-2000	203	21,531	17,108.54	17,400.00	1.02
1998-1999	212	22,087	17,475.34	55,104.68	3.15
1997-1998	232	22,857	17,797.26	44,679.34	2.51
1996-1997	240	22,801	25,891.18	47,960.58	1.85
1995-1996	252	22,866	26,219.52	7,270.22	0.28
1994-1995	263	23,053	26,720.66	6,400.00	0.24
1993-1994	231	20,572	24,979.34	16,400.00	0.66
1992-1993	242	21,224	26,093.76	3,752.66	0.14
1991-1992	259	22,739	28,987.80	17,157.20	0.59
1990-1991	282	23,771	30,883.99	7,600.00	0.25
1989-1990	217	26,221	35,295.12	10,130.00	0.29
1988-1989	313	25,913	35,507.84	7,639.50	0.22
1987-1988	306	25,500	39,104.26	3,200.00	0.08
1986-1987	300	24,705	38,929.11	17,593.05	0.45
1985-1986	265	22,662	39,200.03	36,775.90	0.94
1984-1985	219	18,263	42,042.80	14,459.00	0.34
1983-1984	209	18,037	43,820.40	3,400.00	0.08
1982-1983	205	17,253	42,423.00	21,133.16	0.50
1981-1982	249	20,480	53,326.15	16,120.35	0.30
1980-1981	284	22,817	77,919.61	53,089.50	0.68
1979-1980	403	29,491	86,731.88	60,501.10	0.70
1978-1979	352	26,121	59,198.14	31,744.50	0.54
Totals			\$ 1,426,849.18	\$ 1,686,202.29	1.18

Since the program's implementation in 1978, for every dollar collected in premium \$1.18 has been paid out in claims.

Table 5: Summary of dairy livestock insurance claims (April 1st, 2018-March 31st, 2019)

Insurable Perils	No. Animals	Total Claims Paid (\$)
1. Shipping Fever	7	\$14,000.00
2. Reportable Diseases	0	0
3. Infectious Bovine Rhinotracheitis	0	0
4. Other	0	0
5. Loss of Income	0	\$96,990.72

Table 6: Claim summary re: dairy livestock insurance plan (April 1st, 1978-March 31st, 2019)

Insurable Perils	No. Animals	Total Claims Paid (\$)
1. Acute Mastitis*	108	\$104,291.40
2. Brucellosis	2	\$810.70
3. I B R	58	\$49,137.18
4. Loss Income	0	\$767,831.57
5. Other	14	\$16,200.00
6. Shipping Fever	623	\$747,931.44
Totals	805	\$1,686.202.29

<sup>\*</sup> This peril no longer covered.

Table 7: Summary of poultry livestock insurance plan (October 1st, 2007-March 31st, 2019)

Years	No. Insured Flocks	No. Insured Birds	Total Premium (\$)	Claims Paid	Loss Ratio
2018-2019	134	51,081,234	\$23,394.48	0.00	0.00
2017-2018	128	52,487,506	\$23,680.11	0.00	0.00
2016-2017	127	49,826,270	\$23,617.65	0.00	0.00
2015-2016	123	48,226,910	\$20,521.13	\$0.00	0.00
2014-2015	302	49,220,352	\$26,250.27	\$0.00	0.00
2013-2014	169	40,774,938	\$23,123.38	\$0.00	0.00
2012-2013	121	48,124,847	\$25,177.01	\$0.00	0.00
2011-2012	110	36.990,059	\$21,682.81	\$0.00	0.00
2010-2011	129	46,596,231	\$21,976.35	\$0.00	0.00
2009-2010	106	36,456,512	\$27,244.76	\$0.00	0.00
2008-2009	89	40,689,660	\$11,999.38	\$0.00	0.00
2007-2008	170	6,090,671	\$1,739.15	\$0.00	0.00
Total			\$250,406.48	\$0.00	0.00

Table 8: Summary of poultry livestock insurance plan (2007-08 to 2018-19 poultry years inclusive)

	No.	No.	Total	Claims	Loss
PLAN	Years	Claims	Premium	Paid	Ratio
Broiler(CHK)	12	0	\$ 107,046.89	\$ 0.00	0.00
Comm. Pullet(PUL)	12	0	\$ 14,050.40	\$ 0.00	0.00
Broiler Breeder(BRB)	12	0	\$ 24,947.64	\$ 0.00	0.00
Breeder Pullet(BRP)	12	0	\$ 3,770.26	\$ 0.00	0.00
Comm. Layer(CLR)	12	0	\$ 96,763.68	\$ 0.00	0.00
Integrated Layer(ILR)	12	0	\$ 3,827.61	\$ 0.00	0.00
Total		0	\$250,406.48	\$ 0.00	0.00

Table 9: Summary of wildlife compensation (May 8th, 2008 to March 31st, 2019)

Year	No. Years	No. Commodities	No. Claims	Claims Paid
2018-2019	11	23	114	\$118,361.13
2017-2018	10	23	85	\$135,903.04
2016-2017	9	23	120	\$100,501.91
2015-2016	8	23	58	\$172,382.45
2014-2015	7	22	91	\$169,484.65
2013-2014	6	20	96	\$ 77,381.48
2012-2013	5	20	107	\$ 81,765.00
2011-2012	4	20	162	\$182,913.81
2010-2011	3	18	157	\$201,201.13
2009-2010	2	18	129	\$146,554.05
2008-2009	1	18	60	\$109,868.03
Total			1,179	\$1,496,316.68

Table 10: Summary of wildlife compensation (2008-2019 wildlife year inclusive)

	2008-2019 wildlife yo NO.	NO.	CLAIMS
PLAN	YEARS	CLAIMS	PAID
Bees	11	106	\$ 95,640.00
Bee Hive	11	125	\$ 52,804.58
Hive Contents	11	37	\$ 15,910.38
Bef Cow	11	9	\$ 6,400.00
Beef Calf	11	85	\$ 18,920.00
Beef Bull	11	0	\$ 0.00
Beef Steer	11	2	\$ 1,120.00
Lowbush Blueberries	11	79	\$ 158,612.27
Strawberries	11	28	\$ 240,614.13
Ewe	11	199	\$ 49,272.00
Lamb	11	255	\$ 58,003.00
Ram	11	19	\$ 4,432.00
Tree Endorsement	11	11	\$ 18,182.40
Apples	11	46	\$ 413,747.64
Vegetable	11	17	\$ 101,406.53
Corn Silage	11	78	\$ 111,613.90
Grain Corn	11	49	\$ 77,997.36
Soybean	11	18	\$ 42,200.02
Grapes	11	2	\$ 18,720.78
Kid	11	2	\$ 140.00
Doe	11	4	\$ 720.00
Buck	11	1	\$ 120.00
Pears	11	1	\$ 674.20
Winter Feed Wheat	11	4	\$ 7,705.49
Dairy Cow	11	1	\$ 1,200.00
Dairy Calf	11	1	\$ 160.00
Total		1179	\$ 1,496,316.68

## **2018-19 Summary**

The Commission wrote \$187.5 million in coverage in 2018-19. This represented a 2% decrease in coverage over the previous year. Insurance coverage was broken down as 25.7% for crops, 19.3% for dairy and 55% for poultry. The total premium collected was \$1.758 million, which represented a 8.5% decrease over the previous year. This decrease was mainly a result of decreased sales in blueberries, vegetable, soybean and weather derivative plans. The impact of these decreases was moderated due to increased sales in the tree fruit and grapes.

The 2018 crop year began with variable spring conditions with 1-2 days of really hot weather followed by cool wet weather. The province was hit by a severe widespread early June frost on June 6<sup>th</sup> which affected all crops. Other maritime provinces were also affected. In Nova Scotia, temperature dropped down to between -3 to -5 °C. Significant crop damage was reported in tree fruit, blueberries, grapes, strawberries and vegetable crops. Winter grain and corn and soybeans were also set back by the frost event. Cool wet weather mixed with some hot days continued throughout June. July and August were hot and humid benefiting many crops.

The first widespread killing frost was reported on September 25<sup>th</sup>. Grain corn and soybeans harvests were significantly delayed by cool wet weather. Silage corn was harvested normally.

It is worth noting 25 years ago, during the 1993 cropping season similar growing conditions were reported.

In 2018, losses from insured perils resulted in 123 crop insurance payments totally \$6.519 million. This represented an increase of 351% over the previous year, the highest indemnity payouts in the Commission's 50 year history. These indemnity payments continue to be an important Business Risk Management tool and assisted producers with managing the natural risks they face on their farms. The largest indemnity payments were made in Tree Fruit (\$5,924,123), Blueberry (\$253,523), Grapes (\$73,935) Soybean (\$67,838), and Strawberry (\$48,742).

Diary livestock indemnity payments in 2018 totaled \$110,991 including one loss of income payment. There were no indemnity payments made in the Poultry ILT Plan. In its  $11^{th}$  year of operation the Canada/Nova Scotia Wildlife Compensation Program made payments for 114 claims, totalling \$118,361. This was 26% higher than payments made in the previous year.

The Commission continued its developmental work aimed at expanding the insurance options available to Nova Scotia producers to assist them with managing risk on their farms. These included:

- The Commission continued consultation with industry stakeholders, reviewing its plans and regulations to meet the needs of its clients. Work continued on revisions to the Dairy Plan.
- Revisions to the General Field Crop Insurance regulations and related updates to other affected crop plans received approval during 2018.
- Commission staff continued to work with industry stakeholders' groups in relation to the administration of the Canada Nova Scotia Wildlife Compensation program.

## Administratively, the Commission focused on the following priorities:

- The Commission continued to focus internal resources on improving and updating its information technology infrastructure. Additional components were moved to a database model. Specifically, improvements were made to the Average Insurable Yield, Highbush Blueberry and Grape underwriting databases.
- The Commission continued to promote AgriInsurance to the agricultural industry through various media, and at trade shows.
- In 2018-19, the Commission completed an Actuarial Certification of its probable yield, premium rate and self sustainability methodologies as required under the Act and the Canadian Agricultural Partnership Agreement.

Table 11: Estimate-Actual 2018-19

1	Estimate 18-19	<b>Actual 18-19</b>	
	(000)s	(000)s	
Revenues			
Insurance Premiums Paid by Clients	823	738	
Insurance Premiums Contributed by Gov't (Federal)	736	611	
Wildlife Compensation Payments (Federal)	150	71	
Insurance Premiums Contributed by Gov't (Province	ial) 491	409	
Wildlife Compensation Payments (Provincial)	100	47	
Interest Income	70	44	
Recoveries	0	0	
Total Revenues	2370	1920	
Expenses			
Indemnity Claims	1900	6630	
Wildlife Compensation Payments	250	118	
Reinsurance Premiums	0	0	
Bad Debt Expense	5	(31)	
Recoveries	0	7	
Total Expenses	2155	6724	
Net Income From Insurance Activities	215	(4804)	
ReInsurance/Grants			
Federal	0	0	
Provincial	0	5068	
Net Income From All Activities	215	264	
Crop and Livestock Insurance Fund Balance			
Beginning of Year	4736	4736	
End of Year	4951	5000	
Administrative Expenses			
Government Contributions (Canada)	649	661	
Government Contributions (Nova Scotia)	470	441	
Total Administrative Expenses	1119	1102	
Net Govt Expenditure			
•	1535	1343	
Canada (Premium + Administration)			
Canada (Premium + Administration) Nova Scotia (Premium + Administration)	1061	5965	

#### **PERFORMANCE MEASURES**

The core business of the Crop and Livestock Insurance Commission is the delivery of insurance products to the agriculture sector. As one of the pillars of Canada's Agricultural Finance system, crop insurance plays a key role in stabilizing business incomes by providing opportunities to manage or transfer risk. Crop production is particularly risk laden in that natural perils presented by climate and geography cannot easily be controlled or managed. The intended outcome of the Commission's program is to stabilize farm incomes, and by doing so, support the economic growth of the province.

Table 12: Core Business Area: Delivery of Insurance Products for Production Agriculture

	Measure	DATA Base Year (2008-09)	Target - 2018-19	GF2 Ultimate Target (2018-19)	CAP ULTIMATE TARGET (2022-23)	Trends	Actual As of March 31/19
1 .	Number of Agri- Insurance Contracts	700	670	900	800	2011-12 = 659 2012-13 = 674 2013-14 = 741 2014-15 = 832 2015-16 = 653 2016-17 = 666 2017-18 = 605	559
2	\$ Value of Coverage	\$127.8M	\$180M	\$180M	\$200M	2011-12 = \$141.2M 2012-13 = \$177.6M 2013-14 = \$161.5M 2014-15 = \$168.2M 2015-16 = \$164.1M 2016-17 = \$186M 2017-18 = 191M	\$188M
3	Number of Agri- Insurance Products Available	36	68	55	75	2011-12 = 41 2012-13 = 47 2013-14 = 47 2014-15 = 47 2015-16 = 50 2016-17 = 66 2017-18 = 66	65
4	Value of Compensation Paid for Wildlife Damage	\$110,000	\$200,000	\$250,000	\$250,000	2011-12 = \$183,000 2012-13 = \$82,000 2013-14 = \$77,381 2014-15 = \$169,984 2015-16 = \$172,382 2016-17 = \$100,502 2017-18 = \$135,903	\$118,361
5	Ratio of Insured Production to Total Value of All Products Eligible for Insurance in NS (Excludes Livestock)	25.25%	25%	50%	50%	2011-12 = 23.44% 2012-13 = 23.11% 2013-14 = 14.38% 2014-15 = 19.68% 2015-16 = 20.18% 2016-17 = 21.46% 2017-18 =	N/A
6	Ratio of Agricultural Products Eligible for Insurance to Value of all Agricultural Products in NS (Excludes Livestock)	57.78%	60%	75%	85%	2011-12 = 60.64% 2012-13 = 57.17% 2013-14 = 81.8% 2014-15 = 79.0% 2015-16 = 78.3% 2016-17 = 93.24% 2017-18 =	N/A

#### **Comments:**

- 1. This measure decreased by 7% over the previous year which had also decreased from the previous year. The decrease was primarily due to fewer lowbush blueberry growers participating in the program as a result of continued low market prices for their crop.
- 2. The measure was 2% lower than the previous year primarily due to decreased coverage in the blueberry plan. This decrease was moderated by increased placements in poultry, along with the addition of coverage in the Tree Fruit plan.
- 3. There was one less crop (mixed grain) covered under the AgriInsurance program in 2018-19.
- 4. Most recent results show a 13% decrease in the measure indicating reduced pressure on crops and livestock from wildlife during the 2018-19 crop year. There was less pressure noted in most crops with increased pressure on bee and bee hives.
- 5. This measure is an indicator of the uptake by producers of crop insurance programs offered by AgriInsurance in Nova Scotia. While lower than targeted, this measure indicates consistent uptake of crop insurance programs by the industry in Nova Scotia.
- 6. This measure is an indication of the portion of the Agriculture industry in Nova Scotia which is being offered AgriInsurance. This measure showed consistent improvement in the portion of Nova Scotia Agricultural Sector that is being offered products under crop insurance surpassing the targets set at the beginning of the CAP Program.

## **Financial Statements**

Nova Scotia Crop and Livestock Insurance Commission

March 31, 2019

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#### Management's responsibility for financial reporting

The accompanying financial statements of the Nova Scotia Crop and Livestock Insurance Commission are the responsibility of management and have been approved by Members of the Commission.

The financial statements have been prepared by management in accordance with Canadian public sector accounting standards as recommended by the Chartered Professional Accountants of Canada and as such include amounts that are the best estimates and judgements of management.

Management is responsible for the integrity and objectivity of these statements and for implementing and maintaining a system of internal controls to provide reasonable assurance that reliable financial information is produced.

Members of the Commission are responsible for ensuring that management fulfils its responsibilities for financial reporting and internal control and is ultimately responsible for reviewing and approving the financial statements.

Members of the Commission meet periodically with management, as well as the external auditors, to discuss internal controls over the financial reporting process, auditing matters and financial reporting issues, to satisfy themselves that each party is properly discharging their responsibilities, and to review the financial statements and the external auditor's report.

The financial statements have been audited by Grant Thornton LLP in accordance with Canadian generally accepted auditing standards. Grant Thornton LLP has full and free access to the Commission.

On behalf of the Nova Scotia Crop and Livestock Insurance Commission

Avard Bentley

Chair

Bill MacLeod, P.Ag.

**CEO** 

(Date)



## Independent auditor's report

Grant Thornton LLP 733 Prince Street Truro, NS B2N 1G7

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To the members of Nova Scotia Crop and Livestock Insurance Commission

#### **Opinion**

We have audited the accompanying financial statements of the Nova Scotia Crop and Livestock Insurance Commission (the "Commission"), which comprise the statement of financial position as at March 31, 2019, the statement of operations and changes in fund balances, statement of changes in net financial assets, statement of cash flows for the year then ended, and a summary of significant accounting policies and other explanatory information.

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the Nova Scotia Crop and Livestock Insurance Commission as at March 31, 2019, and the results of operations, changes in its net financial assets and its cash flows for the year then ended in accordance with Canadian public sector accounting standards.

#### **Basis for opinion**

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section of our report. We are independent of the Commission in accordance with the ethical requirements that are relevant to our audit of the financial statements in Canada, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

#### Other matters

Our audit was conducted for the purpose of forming an opinion on the financial statements taken as a whole. The schedules included on Pages 15-16 have been presented for the purposes of additional information and are not a required part of the financial statements. Such supplementary information has been subjected to the auditing procedures applied, only to the extent necessary to express an opinion, in the audit of the financial statements taken as a whole.

The financial statements of the Nova Scotia Crop and Livestock Insurance Commission for the year-ended March 31, 2018 were audited by another firm.

## Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with Canadian public sector accounting standards, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Commission's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Commission or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Commission's financial reporting process.

#### Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud
  or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that
  is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material
  misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve
  collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that
  are appropriate in the circumstances, but not for the purpose of expressing an opinion on the
  effectiveness of the Commission's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Commission's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Commission to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Truro, Canada June 20, 2019 Chartered Professional Accountants
Licensed Public Accountants

Grant Thornton LLP

## STATEMENT OF FINANCIAL POSITION

	2019 Hall Market 2018		
Financial Assets			
Cash Investments (Note 3) Trade Receivable (Note 4) Accrued interest receivable	\$ 240,583 \$ 98,933 618,676 4,499,154 4,169,577 165,346 1,493 3,292 5,030,329 4,766,725		
Liabilities			
Deferred revenue Deposits for insurance	33,648       42,369         3,430       1,537         37,078       43,906		
Net Financial Assets	4,993,251 4,722,819		
Non-Financial Assets			
Tangible capital assets (Note 5)	7,110 13,525		
Fund Balances	<u>\$ 5,000,361</u>		

On Behalf of the Commission

Member

July C. H. Vissen

Member

The accompanying notes and schedules are an integral part of these financial statements.

## STATEMENT OF OPERATIONS AND CHANGES IN FUND BALANCES

			— Funds —			
	Budget	Crop	Livestock	General	Total 2019	Total 2018
Revenue Insurance premiums						
(Schedule A)	\$ 2,300,000	\$ 1,702,886	\$ 55,467 \$	118,361	\$ 1,876,714	\$ 2,058,129
Interest income Provincial Grant (Note 7)	70,000	36,584 5,068,000	7,125	-	43,709 5,068,000	77,355
Other revenue (Note 17)	-	(50)	-	-	(50)	192
,						
	2,370,000	6,807,420	62,592	118,361	6,988,373	2,135,676
Expenses						
Indemnity claims (Schedule A)	2,150,000	6,519,215	110,991	118,361	6,748,567	2,028,126
Bad debt (recovery) expense	5,000	(30,626)	-	-	(30,626)	29,721
Administrative expenses						
(Note 9) (Schedule B)	1,119,000	1,063,425	22,030	16,046	1,101,501	1,024,758
Amortization expense		6,415	<del></del>	<del>-</del>	6,415	7,919
	3,274,000	7,558,429	133,021	134,407	7,825,857	3,090,524
	3,271,000	7,550,125	155,021	131,107	7,023,037	3,030,321
Constructed Cath to Cons						
Surplus (deficit) before government contributions	(904,000)	(751,009)	(70,429)	(16,046)	(837,484)	(954,848)
government contributions	(304,000)	(731,009)	(70,423)	(10,040)	(837,484)	(334,848)
Government contributions						
(Note 7)	1,119,000	1,063,425	22,030	16,046	1,101,501	1,024,758
	4 245 222	242.446	(40,000)		254.047	50.010
Net operating surplus	\$ <u>215,000</u>	312,416	(48,399)	<u>-</u>	264,017	69,910
Fund balances, beginning of						
year	\$ 4,765,000	3,670,891	1,065,453		4,736,344	4,666,434
-	<u> </u>					
Fund balances, end of year						
(Note 6)	<u>\$ 4,980,000</u>	\$ 3,983,307	<u>\$ 1,017,054</u>	\$ <u>-</u>	\$ 5,000,361	<u>\$ 4,736,344</u>

The accompanying notes and schedules are an integral part of these financial statements.

## STATEMENT OF CHANGES IN NET FINANCIAL ASSETS

	Budget	2019	2018
Net Financial Assets, beginning of year Changes in the year	<u>\$ 4,765,000</u>	\$ 4,722,819	<u>\$ 4,644,990</u>
Net operating surplus Amortization	\$ 215,000 	264,017 <u>6,415</u>	69,910 7,919
Total changes in the year	215,000	270,432	<u>77,829</u>
Net Financial Assets, end of year	<u>\$4,980,000</u>	\$ 4,993,251	<u>\$ 4,722,819</u>

The Commission does not budget for certain non-cash items such as amortization.

The accompanying notes and schedules are an integral part of these financial statements

## **STATEMENT OF CASH FLOWS**

		2019		2018
Operating Activities				
Net operating surplus  Amortization of tangible capital assets  Net change in non-cash working capital balances related to operations	\$	264,017 6,415	\$	69,910 7,919
(Note 10) Change in accrued interest on investments		(4,009,260) 76,361	_	85,371 (45,959)
Cash provided by operating activities		(3,662,467)		117,241
Investing Activities				
Acquisition of investments Proceeds from disposal of investments		3,804,117		(3,181,726) 3,062,355
Cash (used in) investing activities		3,804,117	_	(119,371)
Increase (decrease) in cash during year		141,650		(2,130)
Cash, beginning of year	_	98,933	_	101,063
Cash, end of year	\$	240,583	\$	98,933

#### 1. Authority

The Nova Scotia Crop and Livestock Insurance Commission was established pursuant to Section 3(1) of the Nova Scotia Crop and Livestock Insurance Act (Act). Section 8(1) of the Act establishes Funds which are in the custody and control of the Commission to be used to administer crop and livestock insurance plans, as well as wildlife compensation, and conduct programs relating to these plans.

#### 2. Significant accounting policies

These financial statements are prepared in accordance with Canadian Public Sector Accounting Standards.

The Public Sector Accounting Board (PSAB) issued new accounting standards effective for fiscal years beginning on or after April 1, 2017.

The Commission adopted the new accounting standards for related party disclosures (PS 2200), inter-entity transactions (PS 3420), assets (PS 3210), contractual rights (PS 3380) and contingent assets (PS 3320). These new accounting standards only impact note disclosures. The adoption of PS 2200, PS 3420, PS 3210, PS 3380 and PS 3320 did not result in a significant impact in the disclosures included in the Commission's financial statements.

These financial statements are prepared using the following significant accounting policies:

#### Tangible capital assets

Tangible capital assets are recorded at cost, net of accumulated amortization. Amortization is provided on a straight-line basis over the assets estimated useful life, which for office furniture and equipment is five years and for computer hardware and software is two years. The Commission expenses tangible capital assets under \$1,500.

#### Revenue

Revenue is recorded on an accrual basis. The main components of revenue are insurance premiums, interest income, government grants, and government grants for insurance premiums and administrative expenses. Insurance premium revenue is recognized when certificates for insurance are issued. Premium revenue relating to coverage subsequent to year end is deferred. Government grants for insurance premiums, government grants and administrative expenses are recognized as revenue in the period during which the grants are authorized and eligibility criteria are met, except when and to the extent the transfer includes stipulations that give rise to an obligation that meets the definition of a liability. The Commission receives contributions from the Province of Nova Scotia for the purchase of assets, which is recognized in revenue upon acquisition.

#### **Indemnity claims**

Expenses for indemnity claims are recorded when the loss incurred by the producer is verified and authorized.

#### **Financial Instruments**

The Commission's financial instruments consist of investments in promissory notes, accounts receivable, deferred revenue, cash and deposits for insurance. The Commission measures its financial instruments at cost or amortized cost.

#### **NOTES TO THE FINANCIAL STATEMENTS**

#### 2. Significant accounting policies (continued)

#### Use of Estimates and measurement uncertainty

The preparation of financial statements requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements, and the reported amounts of revenues and expenses during the period. Actual results could differ from management's best estimates as additional information becomes available in the future.

Key estimates for the Commission include the allowance for doubtful accounts. Any Provincial write off affecting the allowance for doubtful accounts may impact the fund surplus in future years.

#### 3. Investments

The Commission invests with the Province excess funds to be used to pay future indemnity claims. At March 31, 2019, these funds were invested in a promissory note maturing in fiscal year 2022 with an annual yield of 2.18%.

#### Investments as of March 31

Date issued	Maturity date	# of days	Interest rate	Total in	2019 otal including ccrued interest		2018 Il including led interest
Nov. 30, 2015	Nov. 30, 2020	1,827	1.75%	\$	-	\$	1,793,466
Sep. 15, 2017	Sep. 15, 2020	1096	2.05%		-		518,480
Sep. 15, 2017	Sep. 15, 2020	1096	2.05%		-		531,630
Oct. 6, 2017	Oct. 4, 2018	363	1.57%				507,302
Oct. 27, 2017	Oct. 27, 2022	1826	2.18%		618,676		605,542
Nov. 22, 2017	Nov. 22, 2019	730	1.64%				542,734
					-		
			i	\$	618,676	\$	4,499,154

#### 4. Trade Receivables

	Current	Past due 31 - 90 days	Past due > 90 days	<b>Total 2019</b>	Total 2018
Province of Nova Scotia	\$4,004,509	\$-	\$5,234	\$4,009,743	\$42,492
Federal Government	\$6,735	\$-	\$165,010	\$171,745	\$147,904
Producer	\$3,135	\$-	\$11,629	\$14,764	\$38,650
	\$4,014,379	\$-	\$181,873	\$4,196,252	\$229,046
Allowance for doubtful accounts	\$ -	\$-	\$26,675	\$26,675	\$63,700
Total Receivables	\$4,014,379	\$-	\$155,198	\$4,169,577	\$165,346

#### NOTES TO THE FINANCIAL STATEMENTS

5. Tangible capital assets	2019		2018	
Cost of Equipment				
Opening cost Additions Disposals Closing cost	\$	39,955 - - 39,955	\$	39,955 - - 39,955
Accumulated amortization				
Opening balance Disposals Amortization expense Closing balance		13,525 - 6,415 -		18,511 - 7,919 26,430
Net book value	\$	7,110	\$	13,525

#### 6. Fund balances

The Livestock Fund balance consists of dairy livestock insurance of \$766,419 (2018 - \$838,625) and poultry insurance of \$250,635 (2018 - \$226,828). A claim for indemnity under either the Dairy Livestock Insurance Plan or the Poultry Insurance Plan is limited to the extent of the assets in the Livestock Insurance Fund balance held by the Commission.

The General Fund includes wildlife compensation.

#### 7. Government contributions

#### *Insurance premiums*

Under the crop insurance programs, producers pay 40% of the insurance premiums and the Federal and Provincial governments pay 36% and 24% respectively for the comprehensive portion of the insurance premiums. If an insurance premium contains a high-cost portion, the Federal and Provincial governments pay a reduced proportion of the high-cost portion of the insurance premium. The proportion of the insurance premium that is high-cost varies by plan and coverage level depending on the base rate for that particular plan. Neither the Federal nor Provincial governments cost share in the insurance premiums of the livestock and poultry insurance programs or in non-refundable deposits.

In 2018 the Province paid an additional producer cost related to the high cost portion for the lowbush blueberry plan to reduce premium impacts related to a unit price penalty under the CAP agreement. The total support from this initiative to the lowbush blueberry clients was \$764.25

#### 7. Government contributions (Continued)

#### Administrative expenses

The financial statements include the total cost of administrative expenses which are initially paid by the Provincial government, and then subsequently reimbursed by the Federal government for their contribution. For the 2018-19 fiscal year, the Federal government contributed 60%, (2018 - 60%) of the total administrative expenses for the crop insurance program, with the Provincial government funding the remainder. The Provincial government funds all the administrative costs of the livestock and poultry insurance programs.

#### **Capital Assets**

Capital assets are cost-shared, (60% Federal Government, 40% Provincial Government) administrative expenses. The Commission expenses capital assets under \$1,500 and capitalizes those over \$1,500.

#### Wildlife program

The compensation payments and administrative expenses of the wildlife compensation program are funded 60% by the Federal government and 40% by the Provincial government.

#### Additional Provincial Allocations in 2018-19

The Province of Nova Scotia allocated non-repayable funds to the Commission to cover indemnity payments during the 2018 crop year in the amount of \$1,068.000.00. An additional non-repayable appropriation from the Province was received in April 2019 in the amount of \$4,000,000.00 to offset losses in the crop insurance fund related to indemnity payments in 2018.

#### 8. Indemnity claims

#### Winter Grain

Winter Grain is planted in the fall, but not harvested until the following fall. Crop yields can fluctuate dramatically depending on factors such as weather conditions during the growing and harvesting seasons. As a result, the occurrence and amount of losses relating to the crop planted in the current year, if any, have not been incurred until well after the fiscal year end. Indemnity expenses for Winter Grain and related payables will be recorded in the year that the loss of yield, if any, is incurred.

#### Maple Syrup

In certain cases, indemnity expenses for Maple Syrup production losses related to premiums collected in the current fiscal year will not be incurred until after year end. Maple Syrup yields will fluctuate based on weather conditions. Indemnity expenses and related payables for Maple Syrup will be recorded in the year that the loss of yield, if any, is incurred.

#### NOTES TO THE FINANCIAL STATEMENTS

#### 9. Administrative expenses

The Commission offers three types of insurance plans: crop, dairy livestock and poultry, and a wildlife compensation program. The administrative expenses associated with offering these programs are detailed in Schedule B. The administrative expenses are allocated to the livestock and poultry plan at 2% of the total administrative expenses incurred by the Commission. The administrative expenses of the wildlife compensation program are allocated based upon direct travel and staffing costs associated with investigating and adjusting wildlife claims, as well as an additional 25% of these costs for other fixed administrative costs of this plan. The remaining administrative costs, after deducting those attributable to the livestock and poultry plans, and wildlife compensation program, are allocated to the crop insurance plan.

#### 10. Net change in non-cash working capital balances related to operations

	2019	2018
Increase (decrease) in cash from changes in:		
Receivables Accrued interest receivable Deferred revenue Deposits for insurance Indemnities payable	\$ (4,004,231) 1,799 (8,721) 1,893	\$ 95,921 (1,298) (2,255) (997) (6,000)
	\$ (4,009,260)	\$ <u>85,371</u>

#### 11. Financial instruments

The Commission is exposed to credit risk on the accounts receivable from its clients. In order to reduce its credit risk, the Commission has adopted credit policies which include the analysis of the financial position of its clients and the regular review of their credit limits. The Commission does not have a significant exposure to any individual client. It is management's opinion that the Commission is not exposed to any significant market or liquidity risks.

There have been no changes compared to previous years with respect to the exposures to risk and how they arise, the Commission's objectives, policies and processes for managing the risks and the methods used to measure the risks.

#### 12. Related party transactions

The Commission is related in terms of common ownership to all Province of Nova Scotia created departments, agencies, boards and commissions. The Commission enters into transactions with these entities in the normal course of business measured at the exchange amount. Related parties also include key management personnel having the authority and responsibility for planning, directing and controlling the activities of the Commission. This includes Senior Executives, and members of the Commission and their close family members. The following disclosure is in addition to the related party disclosure provided elsewhere in these financial statements.

Administrative expenses include \$30,000 (2018 - \$30,000) for rent and \$44,240 (2018 - \$44,240) for miscellaneous professional services that were charged to the Commission by the Nova Scotia Department of Agriculture.

#### 13. Economic dependence

The Commission is economically dependent upon the ongoing and future funding from the Province of Nova Scotia and the Government of Canada.

#### 14. Insurance coverage

The Commission's insurance coverage is based on actuarially sound premium rate methodologies as required by its Act and the Canadian Agricultural Partnership (CAP) cost sharing agreement. All premium rates include a self-sustainability factor to ensure premiums calculated are adequate to cover expected liabilities.

The total insurance coverage issued during the 2018-19 fiscal year was \$187,524,434 (2018 - \$191,443,248), comprised of crop insurance of \$48,096,738 (2018 - \$47,898,589), livestock insurance of \$36,269,641 (2018 - \$38,189,863) and poultry insurance of \$103,158,055 (2018 - \$105,354,796). This represents the maximum potential exposure of the Commission for all certificates issued under its insurance plans and is provided for information purposes.

#### 15. Pension and post-retirement benefits

All full-time employees of the Commission are entitled to receive pension benefits pursuant to the provisions of a pension plan established under the Public Service Superannuation Act. The plan is funded by equal employee and employer contributions. The employer's contributions are included in the Commission's operating expenses. The Commission is not responsible for any unfunded liability or other obligations related to the pension. The pension expense incurred in the current year was \$64,396 (2018 - \$72,291).

Full-time employees of the Commission are eligible to receive a long service award as well as ongoing health and dental benefits upon retirement, as outlined in the collective agreement. Payments for this award, and these benefits, are the responsibility of the Province. The Commission is not responsible for any unfunded liability, payments, expenses or other obligations related to these benefits. The Province offered a long service award payout to civil servants in 2018-19. The total paid out by the Province to Commission staff was \$108,123.29.

#### **NOTES TO THE FINANCIAL STATEMENTS**

#### 16. Public Sector Compensation Disclosure Act

Under the Public Sector's Compensation Disclosure Act, all organizations which, are part of the Government Reporting Entity must disclose all compensation paid to any person that is greater than \$100,000. All employees of the Commission are disclosed under Volume 3 — Supplementary Information of the Public Accounts.

For 2018-19 the following board members, officers and employees received compensation for \$100,000.00 or more:

George Macintosh - \$108,795.86

#### 17. Deposits held by the Commission

The Commission discovered a credit owed to a producer in 2018. The current amount is a refund back to a client's account from the Commission's surplus.

## PREMIUM REVENUE AND INDEMNITY CLAIMS

#### **SCHEDULE A**

SCHEDOLE A		Indemnity Claims					
	Producer	Federal	Provincial	2019	2018	2019	2018
Crop Insurance							
Spring Grain	\$ 12,907	\$ 8,116	\$ 5,411	\$ 26,434	\$ 26,205	\$ 3,917	\$ 216
Winter Grain	7,753	6,065	4,044	17,862	30,817	6,911	27,870
Tree Fruit	396,562	369,681	246,454	1,012,697	879,276	5,924,123	1,544,768
Corn	50,728	45,639	30,426	126,793	159,577	55,081	24,836
Weather Derivative	45,369	40,832	27,222	113,423	144,341	-	-
Blueberries	71,574	62,044	42,636	176,254	348,951	253,523	25,668
Strawberries & Raspberries	10,188	5,822	3,881	19,891	18,766	48,742	46,314
Maple	8,355	7,289	4,859	20,503	18,865	-	17,850
Forage	458	413	275	1,146	986	-	8,243
Soybeans	22,050	19,845	13,230	55,125	82,481	67,838	76,755
Vegetables	1,408	1,268	845	3,521	9,066	16,849	-
Acreage Loss	42,484	32,644	21,763	96,891	125,381	43,555	86,037
Grapes	9,319	8,387	5,591	23,297	18,555	73,935	-
Potato	3,619	3,258	2,172	9,049	2,766	24,741	<del></del>
	682,774	611,303	408,809	1,702,886	1,866,033	6,519,215	1,858,557
Livestock Insurance							
Livestock	32,055	-	-	32,055	32,364	110,991	33,666
Poultry	23,412			23,412	23,829		
	55,467			55,467	56,193	110,991	33,666
Wildlife Compensation		71,017	47,344	118,361	135,903	118,361	135,903
Total	<u>\$ 738,241</u>	\$ 682,320	\$ 456,153	\$ 1,876,714	\$2,058,129	\$ 6,748,567	\$ 2,028,126

## **EXPENSES**

## **SCHEDULE B**

		— Insurance —	Totals		
	Crop	Livestock	Wildlife/General	2019 2018	
Operations – Insurance Processing	\$100,129	\$ 2,111	\$ 3,296	\$ 105,536 \$ 105,092	
Operations - Adjusting	188,995	3,929	3,509	196,433 198,636	
Audit (Field)	163,885	3,402	2,806	170,093 171.815	
Policy Administration	99,844	2,067	1,457	103,368 133,275	
Finance	105,219	2,169	1,043	108,431 104,236	
Research, Development/Underwriting	211,442	4,341	1,259	217,042 113,749	
Program Sales and Promotion	5,855	125	284	6,264 6,392	
Human Resources	55,588	1,149	728	57,465 55,102	
Systems Maintenance and Support	103,029	2,128	1,244	106,401 105,973	
Accommodations	29,439	609	420	30,468 30,488	
Capital				<u> </u>	
Total Expenses funded by Government (Note 9)	1,063,425	22,030	16,046	<u>1,101,501</u> <u>1,024,758</u>	
Administrative expenses related to					
tangible capital assets	<u>-</u>	<u> </u>	<u>-</u>	<u> </u>	
Administrative Expenses	1,063,425	22,030	<u>16,046</u>	<u>1,101,501</u> <u>1,024,758</u>	
Indemnity claims – Schedule A	6,519,215	110,991	118,361	6,748,567 2,028,126	
Bad debts	(30,626)	-	-	(30,626) 29,721	
Amortization	6,415			<u>6,415</u> 7,919	
	6,495,004	110,991	118,361	6,724,356 2,065,766	
TOTAL EXPENSES	<u>\$ 7,558,429</u>	<u>\$ 133,021</u>	<u>\$ 134,407</u>	\$ 7,825,857 <b>\$ 3,090,524</b>	