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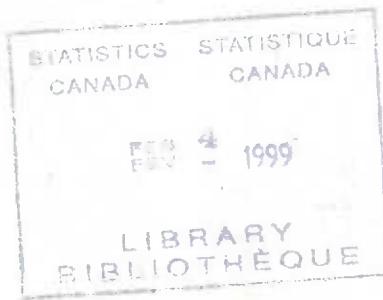
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## WORKING PAPER #17

### GRAINS AND OILSEEDS CONSUMPTION BY LIVESTOCK AND POULTRY CANADA AND PROVINCES 1992

Livestock Feed Usage Study

#### LIVESTOCK AND ANIMAL PRODUCTS SECTION

Agriculture Division  
Statistics Canada

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**GRAINS AND OILSEEDS CONSUMPTION BY LIVESTOCK  
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CANADA AND PROVINCES 1992

**Livestock Feed Usage Study**

*by*

**LIVESTOCK AND ANIMAL PRODUCTS SECTION**

*Agriculture Division*

*Statistics Canada*

*November 1993*



The Livestock and Animal Products Section wishes to acknowledge the contribution of many individuals and organizations, without whose efforts this project could not have been successfully completed.

Special thanks are extended to the ten provincial departments of agriculture for their contribution to the estimates of feed consumption per head.



## **EXECUTIVE SUMMARY**

### **BACKGROUND**

This is the fourth consecutive Livestock Feed Usage Study on a cost recovery basis for the Committee of Experts which is responsible for measuring, each year, the level of support to producers and distribution of net benefits. The primary objective was to provide comparable and consistent estimates of grains and oilseeds consumption by class and subclass of livestock and class of poultry by province for the 1992 calendar year. This report, as with previous reports, provides detailed information relating to quantities of grains and oilseeds consumed per head and total consumption by livestock and poultry during 1992.

1992 tables presented in this report are in exactly the same format as tables in the 1991 Feed Usage Study. The 1992 report also includes 1991 tables which have been revised based on intercensal revisions to livestock and poultry inventories as a result of "benchmarking" to the 1991 Census of Agriculture.

The 1992 Feed Usage Study includes one extra appendix - APPENDIX 7 - which provides total feed utilization by each of the grains and oilseeds. Appendix 7 tables have not been adjusted, by province, for the quantities of grains and oilseeds consumed prior to interprovincial or international movement (see net adjustment page 2).

### **HIGHLIGHTS**

- 1) Total consumption of grains and oilseeds in 1992 increased by nearly 500,000 tonnes, a 3% increase from the previous year.
- 2) Total consumption increased in the beef and hog sectors while declines were noted in the dairy industry. These increases in total feed consumption for beef and hogs are directly related to increases in the number of animal output in each class. In the dairy industry, the decline in total consumption was due to the decline in number of dairy animals on farms.
- 3) Appendix 6 (Total Grains and Oilseeds Consumption by Subclass of Livestock and Poultry) shows that Ontario and Alberta both, reported noticeable increases in feed consumption for beef cattle. Ontario and Quebec reported substantial decreases in feed consumption by dairy cattle. Feed consumption for hogs shows increases in each of the major hog producing provinces (i.e. Quebec, Ontario, Manitoba and Alberta).



- 4) Feed coefficient changes for 1992 did not, to any great extent, affect changes in total consumption of grains and oilseeds in any province. Changes in livestock output populations were by far the major determining factor in changes to total feed utilization for 1992. Provinces did, in some cases, alter their feeding rations to reflect the reality of the 1992 year. Alberta and Manitoba both changed coefficients for wheat and barley to the extent of consuming more wheat and less barley in hog rations and for feeder cattle and dairy cows in Alberta. This alteration to the feed ration was due to the abundance of feed wheat in the west. In eastern Canada, Quebec and Prince Edward Island did make changes affecting various subclasses of livestock. Quebec changes were based on the results of the 1992 Cost of Production Survey which collected very detailed feed coefficient data. In general, the results of that province's survey indicated slightly less corn being used (except for market pigs and feeder cattle). Except for hogs, feed coefficients in Quebec either remained constant or increased over 1991. Prince Edward Island reported soybean meal added to the ration for the first time for almost every class of animals except dairy cattle.



**TEXT TABLE 1.** Grains and Oilseeds Consumption Per Animal, Canada and Provinces, 1992

CLASS OF LIVESTOCK AND POULTRY	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	CANADA
- tonnes per head -											
BEEF CATTLE	0.573	0.598	0.356	0.381	0.333	0.572	0.388	0.433	0.742	0.220	0.575
DAIRY CATTLE	2.234	1.533	1.391	1.579	1.439	1.437	1.653	1.392	1.299	1.683	1.452
SHEEP AND LAMBS	0.055	0.070	0.037	0.045	0.061	0.069	0.084	0.138	0.092	0.042	0.078
HOGS	0.320	0.307	0.292	0.311	0.318	0.366	0.312	0.362	0.364	0.301	0.338
LAYERS	0.0265	0.0277	0.0281	0.0263	0.0296	0.0290	0.0325	0.0278	0.0337	0.0289	0.0297
CHICKENS	0.0028	0.0035	0.0031	0.0035	0.0033	0.0033	0.0031	0.0034	0.0031	0.0031	0.0032
TURKEYS	0.0000	0.0100	0.0094	0.0096	0.0144	0.0212	0.0190	0.0194	0.0202	0.0186	0.0184
HORSES	0.346	0.382	0.346	0.346	0.883	0.829	0.504	0.415	0.440	0.113	0.520

Source: *Livestock Feed Usage Study, Statistics Canada***TEXT TABLE 2.** Livestock and Poultry Populations, Canada and Provinces, 1992

CLASS OF LIVESTOCK AND POULTRY	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	CANADA
- '000 head -											
BEEF CATTLE	4.5	49.1	67.6	55.1	622.0	1526.1	686.1	1471.6	3845.4	405.3	8732.8
DAIRY CATTLE	6.7	35.2	54.5	43.4	972.0	842.4	97.6	74.8	191.0	131.9	2449.3
SHEEP AND LAMBS	11.5	3.0	26.2	8.5	72.8	351.7	41.5	72.6	317.7	81.9	987.6
HOGS	28.2	185.4	224.8	131.9	5007.9	4750.0	2550.5	1228.6	2802.1	385.0	17294.3
LAYERS	351.0	112.0	886.0	506.0	3568.0	7642.0	2288.0	945.0	1878.0	2576.0	20752.0
CHICKENS	5654.0	1518.0	13679.0	9932.0	112601.0	130526.0	16930.0	11374.0	36199.0	51196.0	389609.0
TURKEYS	0.0	6.0	739.0	526.0	4511.0	8446.0	1416.0	756.0	1599.0	1862.0	19861.0
HORSES	0.3	1.9	3.0	3.1	25.8	75.1	44.1	53.8	109.2	39.8	356.1

Source: *Livestock Feed Usage Study, Statistics Canada***TEXT TABLE 3.** Total Grains and Oilseeds Consumption by Class of Livestock and Poultry, Canada and Provinces, 1992

CLASS OF LIVESTOCK AND POULTRY	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	CANADA
- '000 tonnes -											
BEEF CATTLE (1)	2.6	29.3	24.1	21.0	207.2	827.4	379.3	672.3	2847.5	126.6	5137.2
DAIRY CATTLE	14.9	53.9	75.9	68.5	1398.4	1211.2	161.3	104.1	248.0	222.0	3558.2
SHEEP AND LAMBS	0.6	0.2	1.0	0.4	4.5	24.6	3.4	10.0	29.2	3.4	77.3
HOGS	9.0	56.8	65.8	41.1	1593.7	1742.0	795.0	443.6	1021.0	115.3	5883.3
LAYERS	9.3	3.1	24.9	13.3	105.7	221.4	74.3	26.3	63.2	74.6	616.1
CHICKENS	15.7	5.3	41.7	34.8	375.2	424.4	53.2	38.4	111.2	156.2	1256.2
TURKEYS	0.0	0.1	6.9	5.0	65.0	179.4	27.0	14.7	32.3	34.6	364.9
HORSES	0.1	0.7	1.0	1.1	22.8	62.3	22.2	22.3	48.0	4.5	185.1
TOTAL	52.3	149.4	241.3	185.2	3772.4	4692.6	1515.8	1331.8	4400.4	737.1	17078.4

Source: *Livestock Feed Usage Study, Statistics Canada*

(1) Total grains and oilseeds consumption by Feeder Steers and Heifers has been adjusted to compensate for grains and oilseeds intake by these animals prior to interprovincial movement and/or international export.



## **Recommendations:**

The following recommendations emerged from this study.

- 1) Total consumption of grains and oilseeds for the 1993 calendar year should be calculated to incorporate:
  - i) 1993 livestock and poultry populations and 1992 coefficients; and
  - ii) 1993 interprovincial and international movement of animals and revised livestock and poultry output.
- 2) Observations and conclusions, resulting from the comparisons of estimates of total grains and oilseeds consumption with supply-disposition balance sheets for grains and oilseeds, will be made available to the Committee in order to facilitate the process of establishing priorities and direction for the feed usage project.

Recommendation number 1 is based on the assumption that 1993 feed coefficients would not have changed significantly from those reported in 1992 and given the fact that only minor changes were made to 1992 coefficients, this assumption is likely valid.



## **CONCEPTS, METHODS AND DATA QUALITY**

### **Concepts and Definitions**

Total grains and oilseeds utilization for 1992 consisted of three major components: "livestock and poultry populations"; "grains and oilseeds coefficients" and "net adjustments". The first two components were calculated within each subclass of livestock and class of poultry within province and the third (net adjustment) by province.

More detailed concepts and definitions are available in the 1991 Feed Usage Study.

#### **- Livestock & Poultry Populations**

Populations of breeding livestock were measured using the total number of animals on farms at specific reference points throughout the 1992 calendar year. Included were bulls, beef cows, calves (beef and dairy for herd replacement), beef heifers for replacement, sows, boars and bred gilts, rams, ewes and wethers, calves for herd replacement and horses. Milk cows, milk heifers, layers and horses were also included in the population count.

The remaining categories of livestock and poultry were measured based on disappearance or output, i.e. slaughter, export, death loss, etc. Included were steers and heifers for slaughter, veal calves, lambs, market hogs, chickens (broilers) and turkeys.

#### **- Grains and Oilseeds Coefficients**

The coefficients being measured were the quantities of grains and oilseeds fed (per head) to the livestock and poultry, within province, for calendar year 1992. These estimates were not total ration estimates in that they include only the grains and oilseeds components, however, total feed rations were first established in order to identify and quantify the various components. Estimates of coefficients originated from provincial departments of agriculture livestock specialists, the Canadian Feed Industry Association and the various marketing boards, in the case of poultry.



### - Net Adjustments

The calculation of total consumption of grains and oilseeds within province, in some cases, overstates or understates total utilization during 1992. Manitoba, Saskatchewan and British Columbia exported (interprovincially and internationally) more feeder cattle than they imported and therefore the initial grains and oilseeds consumption data tends to underestimate the actual amount consumed. The calculation of "output" within province was based on market data for a specific province which may not be the province where the animal was at least partially fed. Since these provinces exported more than they imported, we adjusted "positively" their total grains and oilseeds utilization to estimate consumption prior to export.

Manitoba was credited with +112,700 tonnes, Saskatchewan +34,100 and British Columbia +37,700 (same as 1991). Manitoba's adjustment represents an increase of 20,200 tonnes from the 1991 net adjustment of 92,500 tonnes due to an increase in net exports of 30,000 feeders during the year. Saskatchewan's net adjustment was up from +27,700 to 34,100 tonnes and as with Manitoba, was due to a net increase in exports of feeder animals to the U.S.

Net adjustments for Ontario and Alberta continued to be negative because of widespread importing animals for "finishing" to market weight. Ontario's net adjustment of -44,200 tonnes remained the same as the 1991 adjustment. The net adjustment for Alberta increased from -9,300 tonnes to -10,600 tonnes due to net increases in interprovincial and international imports during 1992.

Both Appendix 6 and Text Table 3 have been "net adjusted", Appendix 7 has not. Appendix 7, which is new for 1992, provides total grains and oilseeds consumption by subclass of livestock and class of poultry, by province. Totals for grains and oilseeds consumption tables in this Appendix are calculated using simple averages and are not adjusted for interprovincial and international movement of feeder cattle. These total utilization figures will not agree with Appendix 6 nor with Text Table 3.



## LIVESTOCK DEFINITIONS

1. **BEEF CATTLE** - all beef cows; beef heifers ( $\geq$  1 year) for herd replacement; beef heifer calves ( $\leq$  1 year) for herd replacement; steers, slaughter and feeder heifers; veal calves; beef bulls; and beef bull calves ( $\leq$  1 year) intended for reproduction.
  - 1a. **BEEF COWS** - all females which have calved at least once and are being used to reproduce or for slaughter.
  - 1b. **BEEF HEIFERS ( $\geq$  1 YEAR) FOR HERD REPLACEMENT** - all females one year and older which have never calved and which will be calculated on an output animal basis.
  - 1c.i. **SHORT-KEEPERS** - steers, which at approximately 800-900 lbs., and heifers, which at approximately 700-800 lbs., are placed on a high energy ration until slaughter (normally 60-120 days). (All feed consumption over the lifetime of short-keep steers and heifers slaughtered in 1991 should be included.)
  - 1c.ii. **LONG-KEEPERS** - steers, which at approximately 500-600 lbs., and heifers at approximately 400-600 lbs., are placed on a medium to high energy ration in the feedlot until slaughter (normally 180-300 days). (All feed consumption over the lifetime of long-keep steers and heifers in 1991 should be included.)
  - 1d. **VEAL CALVES** - all calves less than one year old which will be slaughtered for veal. Total feed consumption by veal calves will be calculated on an output animal basis.
  - 1e. **BEEF BULLS** - one year and older.
  - 1f. **BEEF HEIFER CALVES ( $\leq$  1 YEAR)** - all females less than one year old which will be used to reproduce beef cattle.
  - 1g. **BEEF BULL CALVES ( $\leq$  1 YEAR)** - all intact males less than one year old which will be used to reproduce beef cattle.
2. **DAIRY CATTLE** - all dairy cows; dairy heifers ( $\geq$  1 year) for herd replacement; dairy cows ( $\leq$  1 year) for herd replacement; dairy bulls; and dairy bull calves ( $\leq$  1 year) intended for reproduction.
- 2a. **DAIRY COWS** - all females which have calved at least once and are being used to reproduce dairy cattle or mainly for milking purposes.



- 2b. DAIRY HEIFERS ( $\geq$  1 YEAR) FOR HERD REPLACEMENT - all females one year or older which have never calved and will be used to reproduce dairy cattle or mainly for milking purposes.
- 2c. DAIRY BULLS - one year or older.
- 2d. ALL OTHER DAIRY CALVES ( $\leq$  1 YEAR) - all females less than one year old which will be used to reproduce dairy cattle and all intact males less than one year old which will be used to reproduce dairy cattle.
3. SHEEP AND LAMBS - ewes and wethers; rams; market lambs; and breeding lambs.
- 3a. EWES AND WETHERS - all female sheep one year or older and all castrated male sheep one year or older.
- 3b. RAMS - all non-castrated male sheep one year or older.
- 3c. MARKET LAMBS - all lambs under one year regardless of sex which will be slaughtered as lambs. Total feed consumption by lambs will be calculated on an output animal basis.
- 3d. BREEDING LAMBS - all lambs under one year regardless of sex which will be used for reproduction.
4. HOGS - all sows and bred gilts; boars; and all other pigs.
- 4a. SOWS AND BRED GILTS - all female pigs farrowed or bred to farrow.
- 4b. BOARS - all non-castrated male pigs six months or older.
- 4c. ALL OTHER PIGS - all pigs except for those defined above as sows, bred gilts and boars. Total feed consumption by all other pigs will be calculated on an output animal basis.
5. HORSES AND PONIES - all horses and ponies, regardless of sex or age.
6. LAYERS - total feed consumption will be calculated on a per layer basis.
7. CHICKENS - total feed consumption will be calculated on an output basis.
8. TURKEYS - total feed consumption will be calculated on an output basis.



## **METHODS**

Because of the extensive work done in preparation for the 1991 Study which improved the consistency of feed coefficients across Canada, the decision was made that substantial improvements would not be made for 1992 by repeating the detailed survey conducted in 1991. This being the case, the estimation process for 1992 feed coefficients was further analysis of 1991 coefficients, identification of discrepancies, and resolution with provinces. The second phase was to request provinces to identify changes to be made to 1992 coefficients to reflect changing feed rations during the 1992 calendar year. At the time 1992 coefficients were being requested, provinces were unaware of changes being requested by other provinces. Each province was provided with times series coefficient data from 1989 to 1991 for their province as well as revised livestock and poultry numbers for 1991 based on 1991 Census of Agriculture livestock population numbers.

Preliminary 1992 feed coefficients for all ten provinces were sent to each province. As well, each province received revisions requested by each province. The information provided allowed the provinces to undertake comparative analysis and refine their province's coefficient estimates. After updating coefficients requested from this process, final provincial coefficients and total grains and oilseeds utilization for each province were calculated. For specific provinces, adjustments were made to total grains and oilseeds consumption due to interprovincial and international movement of livestock.

Final tables were produced using the same format as in the 1991 Feed Usage Study except for additional tables found in Appendix 7.

## **DATA QUALITY**

The 1991 Feed Usage Study utilized a detailed survey questionnaire completed by provincial departments of agriculture. This survey established very solid and consistent estimates within province. In most cases, 1992 coefficients were based on the assumption that 1991 coefficients were accurate and of high enough quality to become the basis for 1992 estimates. In effect, 1992 estimates are 1991 estimates modified to reflect changes in feed rations during 1992. Certain provinces are seen to have more defendable estimates than others. Alberta and Quebec undertake annual studies which provide very detailed feed utilization data. Nova Scotia conducted an annual Cost of Production Study which was specific to the hog industry and provides good estimates of feed coefficients for that segment. Other provinces relied, to a great extent, on the expertise of the various livestock specialists in their provinces.

As yet no detailed comparative analysis by province has been undertaken between total grains and oilseeds utilization data from this source against crops and oilseeds supply/disposition data. This will, once implemented, provide check data for this study. It is important to note that this is the fourth consecutive feed usage study and provinces, for the most part, now have systems in place to estimate current feed coefficients and have the expertise to justify their estimates.



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## **1992 TABLES**



## APPENDIX 3.0

## DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 (tonnes)

## - NEWFOUNDLAND -

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.000	0.403	0.131	0.000	0.018	0.021	0.000	0.000	0.573
Beef Cows	0.000	0.061	0.049	0.000	0.000	0.000	0.000	0.000	0.110
Beef Heifers for H.R. $\geq$ 1 yr	0.000	0.215	0.139	0.008	0.000	0.000	0.000	0.000	0.362
Steers, S. and F. Heifers*	0.000	0.609	0.180	0.000	0.029	0.033	0.000	0.000	0.851
Short-keeps*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Long-keeps*	0.000	0.609	0.180	0.000	0.029	0.033	0.000	0.000	0.851
Veal Calves*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beef Bulls $\geq$ 1 yr	0.000	0.261	0.189	0.000	0.000	0.013	0.000	0.000	0.463
Beef Bull Calves $\leq$ 1 yr	0.055	0.210	0.055	0.000	0.158	0.041	0.024	0.105	0.648
Beef Heifer Calves $\leq$ 1 yr	0.000	0.165	0.131	0.000	0.009	0.013	0.000	0.000	0.318
DAIRY CATTLE	0.200	0.676	0.284	0.000	0.512	0.134	0.109	0.319	2.234
Dairy Cows	0.261	0.870	0.377	0.000	0.667	0.174	0.145	0.406	2.900
Dairy Heifers for H.R. $\geq$ 1 yr	0.090	0.310	0.110	0.000	0.220	0.060	0.040	0.170	1.000
Dairy Bulls $\geq$ 1 yr	0.000	0.354	0.223	0.000	0.000	0.013	0.000	0.000	0.590
Other Dairy Calves $\leq$ 1 yr	0.055	0.210	0.055	0.000	0.158	0.041	0.024	0.105	0.648
SHEEP AND LAMBS	0.005	0.025	0.013	0.000	0.009	0.003	0.000	0.000	0.055
Ewes and Wethers	0.004	0.021	0.014	0.000	0.005	0.001	0.000	0.000	0.045
Rams	0.005	0.016	0.009	0.000	0.005	0.001	0.000	0.000	0.036
Lambs*	0.002	0.014	0.007	0.000	0.005	0.004	0.000	0.000	0.032
Breeding Lambs	0.008	0.039	0.017	0.000	0.015	0.003	0.000	0.000	0.082
HOGS	0.021	0.140	0.024	0.000	0.089	0.031	0.008	0.007	0.320
Sows and Bred Gilts	0.083	0.387	0.117	0.000	0.289	0.106	0.020	0.013	1.015
Boars $\geq$ 6 mnths	0.063	0.316	0.092	0.000	0.234	0.082	0.016	0.011	0.814
All Other Pigs*	0.017	0.123	0.017	0.000	0.075	0.026	0.007	0.007	0.272
LAYERS	0.0036	0.0000	0.0000	0.0000	0.0163	0.0054	0.0000	0.0011	0.0265
CHICKENS*	0.0004	0.0000	0.0000	0.0000	0.0019	0.0005	0.0000	0.0001	0.0028
TURKEYS*	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HORSES	0.000	0.000	0.346	0.000	0.000	0.000	0.000	0.000	0.346

\* These coefficients represent intake per animal output in 1992. The remainder represent intake per inventory animal in 1992.

Source: Livestock Feed Usage Study, Statistics Canada.



## APPENDIX 3.0

**DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 (tonnes)**

**- PRINCE EDWARD ISLAND -**

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.000	0.359	0.201	0.000	0.000	0.038	0.000	0.000	0.598
Beef Cows	0.000	0.120	0.120	0.000	0.000	0.000	0.000	0.000	0.240
Beef Heifers for H.R. $\geq 1$ yr	0.000	0.180	0.149	0.000	0.000	0.018	0.000	0.000	0.347
Steers, S. and F. Heifers*	0.000	0.509	0.243	0.000	0.000	0.057	0.000	0.000	0.809
Short-keeps*	0.000	0.384	0.183	0.000	0.000	0.043	0.000	0.000	0.610
Long-keeps*	0.000	0.509	0.243	0.000	0.000	0.057	0.000	0.000	0.809
Veal Calves*	0.000	0.246	0.002	0.000	0.002	0.050	0.000	0.000	0.300
Beef Bulls $\geq 1$ yr	0.000	0.171	0.171	0.000	0.000	0.000	0.000	0.000	0.342
Beef Bull Calves $\leq 1$ yr	0.000	0.195	0.239	0.000	0.000	0.044	0.000	0.000	0.478
Beef Heifer Calves $\leq 1$ yr	0.000	0.172	0.211	0.000	0.000	0.039	0.000	0.000	0.422
DAIRY CATTLE	0.000	1.123	0.124	0.000	0.059	0.227	0.000	0.000	1.533
Dairy Cows	0.000	1.674	0.135	0.000	0.113	0.333	0.000	0.000	2.255
Dairy Heifers for H.R. $\geq 1$ yr	0.000	0.510	0.110	0.000	0.000	0.110	0.000	0.000	0.730
Dairy Bulls $\geq 1$ yr	0.000	0.510	0.110	0.000	0.000	0.110	0.000	0.000	0.730
Other Dairy Calves $\leq 1$ yr	0.000	0.541	0.115	0.000	0.000	0.115	0.000	0.000	0.771
SHEEP AND LAMBS	0.000	0.034	0.031	0.002	0.000	0.003	0.000	0.000	0.070
Ewes and Wethers	0.000	0.032	0.029	0.004	0.000	0.000	0.000	0.000	0.065
Rams	0.000	0.035	0.032	0.000	0.000	0.005	0.000	0.000	0.072
Lambs*	0.000	0.035	0.032	0.000	0.000	0.005	0.000	0.000	0.072
Breeding Lambs	0.000	0.035	0.032	0.000	0.000	0.005	0.000	0.000	0.072
HOGS	0.044	0.162	0.001	0.000	0.043	0.057	0.000	0.000	0.307
Sows and Bred Gilts	0.277	0.277	0.000	0.000	0.276	0.140	0.000	0.000	0.970
Boars $> 6$ mnths	0.143	0.321	0.228	0.000	0.143	0.135	0.000	0.000	0.970
All Other Pigs*	0.028	0.154	0.000	0.000	0.027	0.051	0.000	0.000	0.260
LAYERS	0.0038	0.0000	0.0000	0.0000	0.0170	0.0057	0.0000	0.0012	0.0277
CHICKENS*	0.0004	0.0000	0.0000	0.0000	0.0023	0.0007	0.0000	0.0001	0.0035
TURKEYS*	0.0013	0.0000	0.0000	0.0061	0.0021	0.0005	0.0000	0.0000	0.0100
HORSES	0.000	0.000	0.346	0.000	0.000	0.036	0.000	0.000	0.382

\* These coefficients represent intake per animal output in 1992. The remainder represent intake per inventory animal in 1992.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 3.0

## DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 (tonnes)

## - NOVA SCOTIA -

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.000	0.241	0.097	0.000	0.000	0.018	0.000	0.000	0.356
Beef Cows	0.000	0.040	0.030	0.000	0.000	0.000	0.000	0.000	0.070
Beef Heifers for H.R. $\geq 1$ yr	0.000	0.135	0.135	0.000	0.000	0.000	0.000	0.000	0.270
Steers, S. and F. Heifers*	0.000	0.600	0.150	0.000	0.000	0.050	0.000	0.000	0.800
Short-keeps*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Long-keeps*	0.000	0.600	0.150	0.000	0.000	0.050	0.000	0.000	0.800
Veal Calves*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beef Bulls $\geq 1$ yr	0.000	0.370	0.350	0.000	0.000	0.030	0.000	0.000	0.750
Beef Bull Calves $\leq 1$ yr	0.000	0.170	0.170	0.000	0.000	0.020	0.000	0.000	0.360
Beef Heifer Calves $\leq 1$ yr	0.000	0.170	0.170	0.000	0.000	0.020	0.000	0.000	0.360
DAIRY CATTLE	0.121	0.375	0.123	0.000	0.363	0.076	0.071	0.262	1.391
Dairy Cows	0.200	0.600	0.200	0.000	0.600	0.120	0.120	0.410	2.250
Dairy Heifers for H.R. $\geq 1$ yr	0.040	0.140	0.040	0.000	0.120	0.030	0.020	0.110	0.500
Dairy Bulls $\geq 1$ yr	0.000	0.371	0.351	0.000	0.000	0.028	0.000	0.000	0.750
Other Dairy Calves $\leq 1$ yr	0.040	0.140	0.040	0.000	0.120	0.030	0.020	0.110	0.500
SHEEP AND LAMBS	0.004	0.017	0.008	0.000	0.006	0.002	0.000	0.000	0.037
Ewes and Wethers	0.005	0.016	0.008	0.000	0.006	0.001	0.000	0.000	0.036
Rams	0.005	0.016	0.008	0.000	0.006	0.001	0.000	0.000	0.036
Lambs*	0.002	0.010	0.004	0.000	0.004	0.003	0.000	0.000	0.023
Breeding Lambs	0.010	0.047	0.019	0.000	0.018	0.003	0.000	0.000	0.097
HOGS	0.093	0.102	0.000	0.000	0.048	0.049	0.000	0.000	0.292
Sows and Bred Gilts	0.400	0.400	0.000	0.000	0.000	0.160	0.000	0.000	0.960
Boars $\geq 6$ mnths	0.400	0.400	0.000	0.000	0.000	0.160	0.000	0.000	0.960
All Other Pigs*	0.076	0.085	0.000	0.000	0.051	0.043	0.000	0.000	0.255
LAYERS	0.0039	0.0000	0.0000	0.0000	0.0173	0.0058	0.0000	0.0012	0.0281
CHICKENS*	0.0004	0.0000	0.0000	0.0000	0.0021	0.0006	0.0000	0.0001	0.0031
TURKEYS*	0.0012	0.0000	0.0000	0.0000	0.0057	0.0020	0.0000	0.0005	0.0094
HORSES	0.000	0.000	0.346	0.000	0.000	0.000	0.000	0.000	0.346

\* These coefficients represent intake per animal output in 1992. The remainder represent intake per inventory animal in 1992.

Source: Livestock Feed Usage Study, Statistics Canada.



## APPENDIX 3.0

## DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 (tonnes)

## - NEW BRUNSWICK -

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.000	0.262	0.101	0.000	0.000	0.018	0.000	0.000	0.381
Beef Cows	0.000	0.080	0.062	0.000	0.000	0.000	0.000	0.000	0.142
Beef Heifers for H.R. $\geq$ 1 yr	0.000	0.142	0.142	0.000	0.000	0.000	0.000	0.000	0.284
Steers, S. and F. Heifers*	0.000	0.592	0.150	0.000	0.000	0.048	0.000	0.000	0.790
Short-keeps*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Long-keeps*	0.000	0.592	0.150	0.000	0.000	0.048	0.000	0.000	0.790
Veal Calves*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beef Bulls $\geq$ 1 yr	0.000	0.070	0.067	0.000	0.000	0.005	0.000	0.000	0.142
Beef Bull Calves $\leq$ 1 yr	0.000	0.099	0.099	0.000	0.000	0.012	0.000	0.000	0.210
Beef Heifer Calves $\leq$ 1 yr	0.000	0.099	0.099	0.000	0.000	0.012	0.000	0.000	0.210
DAIRY CATTLE	0.138	0.430	0.139	0.000	0.416	0.082	0.076	0.298	1.579
Dairy Cows	0.212	0.637	0.212	0.000	0.637	0.118	0.118	0.425	2.359
Dairy Heifers for H.R. $\geq$ 1 yr	0.056	0.196	0.056	0.000	0.168	0.042	0.028	0.154	0.700
Dairy Bulls $\geq$ 1 yr	0.000	0.157	0.150	0.000	0.000	0.013	0.000	0.000	0.320
Other Dairy Calves $\leq$ 1 yr	0.060	0.210	0.060	0.000	0.180	0.045	0.030	0.165	0.750
SHEEP AND LAMBS	0.005	0.020	0.009	0.000	0.008	0.003	0.000	0.000	0.045
Ewes and Wethers	0.005	0.014	0.007	0.000	0.005	0.001	0.000	0.000	0.032
Rams	0.005	0.014	0.007	0.000	0.005	0.001	0.000	0.000	0.032
Lambs*	0.005	0.025	0.010	0.000	0.010	0.007	0.000	0.000	0.057
Breeding Lambs	0.006	0.027	0.011	0.000	0.011	0.002	0.000	0.000	0.057
HOGS	0.029	0.054	0.000	0.000	0.168	0.060	0.000	0.000	0.311
Sows and Bred Gilts	0.438	0.438	0.000	0.000	0.000	0.188	0.000	0.000	1.064
Boars $\geq$ 6 mnths	0.353	0.353	0.000	0.000	0.000	0.134	0.000	0.000	0.840
All Other Pigs*	0.000	0.027	0.000	0.000	0.180	0.051	0.000	0.000	0.258
LAYERS	0.0036	0.0000	0.0000	0.0000	0.0162	0.0054	0.0000	0.0011	0.0263
CHICKENS*	0.0004	0.0000	0.0000	0.0000	0.0023	0.0007	0.0000	0.0001	0.0035
TURKEYS*	0.0013	0.0000	0.0000	0.0000	0.0058	0.0020	0.0000	0.0005	0.0096
HORSES	0.000	0.000	0.346	0.000	0.000	0.000	0.000	0.000	0.346

\* These coefficients represent intake per animal output in 1992. The remainder represent intake per inventory animal in 1992.

Source: Livestock Feed Usage Study, Statistics Canada.



## APPENDIX 3.0

## DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 (tonnes)

## - QUEBEC -

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.013	0.041	0.023	0.000	0.209	0.025	0.001	0.021	0.333
Beef Cows	0.000	0.014	0.014	0.000	0.000	0.000	0.000	0.000	0.028
Beef Heifers for H.R. $\geq$ 1 yr	0.000	0.057	0.057	0.000	0.123	0.019	0.000	0.114	0.370
Steers, S. and F. Heifers*	0.070	0.140	0.043	0.000	0.805	0.029	0.000	0.029	1.116
Short-keeps*	0.352	0.687	0.203	0.000	0.006	0.028	0.000	0.003	1.279
Long-keeps*	0.000	0.003	0.003	0.000	1.005	0.029	0.000	0.036	1.076
Veal Calves*	0.000	0.006	0.006	0.000	0.129	0.036	0.002	0.006	0.185
Beef Bulls $\geq$ 1 yr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beef Bull Calves $\leq$ 1 yr	0.000	0.063	0.063	0.000	0.114	0.079	0.000	0.063	0.382
Beef Heifer Calves $\leq$ 1 yr	0.000	0.063	0.063	0.000	0.114	0.080	0.000	0.063	0.383
DAIRY CATTLE	0.023	0.285	0.175	0.000	0.591	0.204	0.040	0.121	1.439
Dairy Cows	0.045	0.436	0.224	0.000	0.932	0.285	0.040	0.120	2.082
Dairy Heifers for H.R. $\geq$ 1 yr	0.000	0.131	0.131	0.000	0.253	0.118	0.044	0.131	0.808
Dairy Bulls $\geq$ 1 yr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Other Dairy Calves $\leq$ 1 yr	0.000	0.117	0.117	0.000	0.199	0.120	0.039	0.117	0.709
SHEEP AND LAMBS	0.000	0.028	0.020	0.000	0.005	0.004	0.000	0.004	0.061
Ewes and Wethers	0.000	0.055	0.038	0.000	0.001	0.003	0.000	0.002	0.098
Rams	0.000	0.082	0.056	0.000	0.000	0.000	0.000	0.000	0.138
Lambs*	0.000	0.026	0.019	0.000	0.005	0.004	0.000	0.004	0.058
Breeding Lambs	0.000	0.061	0.044	0.000	0.010	0.009	0.000	0.007	0.131
HOGS	0.034	0.050	0.000	0.000	0.169	0.025	0.011	0.029	0.318
Sows and Bred Gilts	0.158	0.158	0.000	0.000	0.357	0.061	0.026	0.252	1.012
Boars $\geq$ 6 mnths	0.150	0.150	0.000	0.000	0.340	0.058	0.025	0.240	0.963
All Other Pigs*	0.026	0.043	0.000	0.000	0.157	0.023	0.010	0.014	0.273
LAYERS	0.0041	0.0000	0.0000	0.0000	0.0182	0.0061	0.0000	0.0013	0.0296
CHICKENS*	0.0004	0.0000	0.0000	0.0000	0.0022	0.0006	0.0000	0.0001	0.0033
TURKEYS*	0.0019	0.0000	0.0000	0.0000	0.0087	0.0030	0.0000	0.0007	0.0144
HORSES	0.000	0.136	0.137	0.000	0.545	0.065	0.000	0.000	0.883

\* These coefficients represent intake per animal output in 1992. The remainder represent intake per inventory animal in 1992.

Source: Livestock Feed Usage Study, Statistics Canada.



## APPENDIX 3.0

## DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 (tonnes)

## - ONTARIO -

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.012	0.095	0.083	0.042	0.296	0.037	0.003	0.004	0.572
Beef Cows	0.025	0.081	0.077	0.000	0.037	0.025	0.000	0.000	0.245
Beef Heifers for H.R. $\geq$ 1 yr	0.050	0.149	0.149	0.000	0.100	0.000	0.050	0.000	0.498
Steers, S. and F. Heifers*	0.000	0.131	0.105	0.096	0.497	0.044	0.000	0.000	0.873
Short-keeps*	0.000	0.107	0.086	0.078	0.407	0.036	0.000	0.000	0.714
Long-keeps*	0.000	0.166	0.133	0.122	0.633	0.055	0.000	0.000	1.109
Veal Calves*	0.000	0.000	0.000	0.000	0.400	0.060	0.000	0.000	0.460
Beef Bulls $\geq$ 1 yr	0.009	0.124	0.124	0.031	0.062	0.000	0.000	0.000	0.350
Beef Bull Calves $\leq$ 1 yr	0.006	0.075	0.075	0.019	0.037	0.000	0.000	0.000	0.212
Beef Heifer Calves $\leq$ 1 yr	0.029	0.088	0.088	0.000	0.000	0.029	0.000	0.059	0.293
DAIRY CATTLE	0.004	0.227	0.227	0.077	0.684	0.217	0.000	0.001	1.437
Dairy Cows	0.008	0.394	0.394	0.135	1.192	0.380	0.000	0.000	2.502
Dairy Heifers for H.R. $\geq$ 1 yr	0.001	0.074	0.074	0.025	0.224	0.070	0.000	0.000	0.469
Dairy Bulls $\geq$ 1 yr	0.000	0.200	0.150	0.050	0.220	0.120	0.020	0.100	0.860
Other Dairy Calves $\leq$ 1 yr	0.001	0.025	0.025	0.009	0.075	0.020	0.000	0.000	0.154
SHEEP AND LAMBS	0.001	0.015	0.015	0.020	0.013	0.005	0.000	0.000	0.069
Ewes and Wethers	0.002	0.027	0.027	0.036	0.011	0.001	0.000	0.000	0.104
Rams	0.000	0.007	0.007	0.009	0.000	0.000	0.000	0.000	0.023
Lambs*	0.000	0.010	0.010	0.013	0.016	0.009	0.000	0.000	0.058
Breeding Lambs	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
HOGS	0.000	0.031	0.008	0.000	0.218	0.049	0.017	0.043	0.366
Sows and Bred Gilts	0.000	0.275	0.110	0.000	0.484	0.187	0.061	0.034	1.151
Boars $\geq$ 6 mnths	0.000	0.228	0.091	0.000	0.401	0.155	0.050	0.029	0.954
All Other Pigs*	0.000	0.013	0.000	0.000	0.198	0.039	0.014	0.044	0.308
LAYERS	0.0040	0.0000	0.0000	0.0000	0.0178	0.0059	0.0000	0.0012	0.0290
CHICKENS*	0.0004	0.0000	0.0000	0.0000	0.0022	0.0006	0.0000	0.0001	0.0033
TURKEYS*	0.0028	0.0000	0.0000	0.0000	0.0129	0.0045	0.0000	0.0011	0.0212
HORSES	0.000	0.083	0.539	0.000	0.124	0.083	0.000	0.000	0.829

\* These coefficients represent intake per animal output in 1992. The remainder represent intake per inventory animal in 1992.

Source: *Livestock Feed Usage Study, Statistics Canada.*



## APPENDIX 3.0

## DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 (tonnes)

## — MANITOBA —

	Wheat	Barley	Oats	Other Small Grains	Grain Com	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.000	0.171	0.184	0.033	0.000	0.000	0.000	0.000	0.388
Beef Cows	0.000	0.000	0.218	0.054	0.000	0.000	0.000	0.000	0.272
Beef Heifers for H.R. $\geq$ 1 yr	0.000	0.239	0.102	0.000	0.000	0.000	0.000	0.000	0.341
Steers, S. and F. Heifers*	0.000	0.756	0.190	0.000	0.000	0.000	0.000	0.000	0.946
Short-keeps*	0.000	0.654	0.164	0.000	0.000	0.000	0.000	0.000	0.818
Long-keeps*	0.000	0.994	0.249	0.000	0.000	0.000	0.000	0.000	1.243
Veal Calves*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beef Bulls $\geq$ 1 yr	0.000	0.273	0.000	0.000	0.000	0.000	0.000	0.000	0.273
Beef Bull Calves $\leq$ 1 yr	0.000	1.031	0.242	0.000	0.000	0.000	0.000	0.000	1.273
Beef Heifer Calves $\leq$ 1 yr	0.000	0.263	0.112	0.000	0.000	0.000	0.000	0.000	0.375
DAIRY CATTLE	0.000	1.272	0.014	0.000	0.076	0.038	0.216	0.037	1.653
Dairy Cows	0.000	1.902	0.000	0.000	0.136	0.067	0.340	0.067	2.512
Dairy Heifers for H.R. $\geq$ 1 yr	0.000	0.560	0.030	0.000	0.000	0.000	0.070	0.000	0.660
Dairy Bulls $\geq$ 1 yr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Other Dairy Calves $\leq$ 1 yr	0.000	0.415	0.036	0.000	0.000	0.004	0.050	0.000	0.505
SHEEP AND LAMBS	0.004	0.050	0.025	0.002	0.000	0.002	0.001	0.000	0.084
Ewes and Wethers	0.002	0.029	0.014	0.001	0.000	0.001	0.001	0.000	0.048
Rams	0.002	0.023	0.011	0.001	0.000	0.001	0.001	0.000	0.039
Lambs*	0.005	0.066	0.033	0.002	0.000	0.002	0.001	0.000	0.109
Breeding Lambs	0.005	0.066	0.033	0.002	0.000	0.002	0.001	0.000	0.109
HOGS	0.107	0.154	0.000	0.000	0.000	0.041	0.010	0.000	0.312
Sows and Bred Gilts	0.191	0.674	0.000	0.000	0.000	0.058	0.022	0.000	0.945
Boars $\geq$ 6 mnths	0.058	0.718	0.000	0.000	0.000	0.058	0.006	0.000	0.840
All Other Pigs*	0.102	0.122	0.000	0.000	0.000	0.040	0.009	0.000	0.273
LAYERS	0.0202	0.0103	0.0000	0.0000	0.0000	0.0005	0.0012	0.0003	0.0325
CHICKENS*	0.0004	0.0022	0.0000	0.0000	0.0000	0.0005	0.0000	0.0000	0.0031
TURKEYS*	0.0138	0.0000	0.0000	0.0000	0.0000	0.0035	0.0011	0.0006	0.0190
HORSES	0.000	0.000	0.464	0.000	0.000	0.040	0.000	0.000	0.504

\* These coefficients represent intake per animal output in 1992. The remainder represent intake per inventory animal in 1992.

Source: Livestock Feed Usage Study, Statistics Canada.



**DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 (tonnes)**

**- SASKATCHEWAN -**

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
<b>BEEF CATTLE</b>	0.015	0.340	0.078	0.000	0.000	0.000	0.000	0.000	0.433
Beef Cows	0.015	0.255	0.030	0.000	0.000	0.000	0.000	0.000	0.300
Beef Heifers for H.R. $\geq 1$ yr	0.000	0.146	0.218	0.000	0.000	0.000	0.000	0.000	0.364
Steers, S. and F. Heifers*	0.052	1.268	0.089	0.000	0.000	0.000	0.000	0.000	1.409
Short-keeps*	0.000	0.961	0.107	0.000	0.000	0.000	0.000	0.000	1.068
Long-keeps*	0.080	1.434	0.080	0.000	0.000	0.000	0.000	0.000	1.594
Veal Calves*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beef Bulls $\geq 1$ yr	0.000	0.095	0.095	0.000	0.000	0.000	0.000	0.000	0.190
Beef Bull Calves $\leq 1$ yr	0.000	0.155	0.622	0.000	0.000	0.000	0.000	0.000	0.777
Beef Heifer Calves $\leq 1$ yr	0.000	0.127	0.190	0.000	0.000	0.000	0.000	0.000	0.317
<b>DAIRY CATTLE</b>	0.034	0.951	0.330	0.005	0.004	0.025	0.034	0.009	1.392
Dairy Cows	0.057	1.343	0.346	0.000	0.006	0.021	0.036	0.015	1.824
Dairy Heifers for H.R. $\geq 1$ yr	0.000	0.498	0.498	0.000	0.000	0.000	0.000	0.000	0.996
Dairy Bulls $\geq 1$ yr	0.000	0.170	0.170	0.000	0.000	0.080	0.080	0.080	0.580
Other Dairy Calves $\leq 1$ yr	0.000	0.264	0.099	0.025	0.000	0.065	0.065	0.000	0.518
<b>SHEEP AND LAMBS</b>	0.000	0.026	0.104	0.000	0.000	0.004	0.004	0.000	0.138
Ewes and Wethers	0.000	0.032	0.128	0.000	0.000	0.000	0.000	0.000	0.160
Rams	0.000	0.020	0.080	0.000	0.000	0.000	0.000	0.000	0.100
Lambs*	0.000	0.015	0.070	0.000	0.000	0.010	0.010	0.000	0.105
Breeding Lambs	0.000	0.024	0.072	0.000	0.000	0.012	0.012	0.000	0.120
<b>HOGS</b>	0.077	0.216	0.004	0.000	0.000	0.040	0.025	0.000	0.362
Sows and Bred Gilts	0.187	0.794	0.000	0.000	0.000	0.134	0.061	0.000	1.176
Boars $\geq 6$ months	0.000	0.744	0.000	0.000	0.000	0.091	0.046	0.000	0.881
All Other Pigs*	0.069	0.168	0.004	0.000	0.000	0.032	0.022	0.000	0.295
<b>LAYERS</b>	0.0173	0.0088	0.0000	0.0000	0.0000	0.0004	0.0011	0.0002	0.0278
<b>CHICKENS*</b>	0.0004	0.0024	0.0000	0.0000	0.0000	0.0006	0.0000	0.0000	0.0034
<b>TURKEYS*</b>	0.0141	0.0000	0.0000	0.0000	0.0000	0.0036	0.0012	0.0006	0.0194
<b>HORSES</b>	0.000	0.000	0.415	0.000	0.000	0.000	0.000	0.000	0.415

\* These coefficients represent intake per animal output in 1992. The remainder represent intake per inventory animal in 1992.

Source: *Livestock Feed Usage Study, Statistics Canada.*



## APPENDIX 3.0

DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 (tonnes)

## - ALBERTA -

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.037	0.516	0.068	0.024	0.000	0.000	0.067	0.030	0.742
Beef Cows	0.013	0.157	0.026	0.013	0.000	0.000	0.026	0.026	0.261
Beef Heifers for H.R. $\geq$ 1 yr	0.020	0.194	0.098	0.020	0.000	0.000	0.039	0.020	0.391
Steers, S. and F. Heifers*	0.071	1.040	0.107	0.039	0.000	0.000	0.124	0.039	1.420
Short-keeps*	0.060	0.780	0.180	0.060	0.000	0.000	0.060	0.060	1.200
Long-keeps*	0.076	1.152	0.076	0.030	0.000	0.000	0.152	0.030	1.516
Veal Calves*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beef Bulls $\geq$ 1 yr	0.015	0.186	0.031	0.015	0.000	0.000	0.031	0.031	0.309
Beef Bull Calves $\leq$ 1 yr	0.000	0.300	0.180	0.030	0.000	0.030	0.060	0.000	0.600
Beef Heifer Calves $\leq$ 1 yr	0.016	0.166	0.082	0.016	0.000	0.000	0.033	0.016	0.329
DAIRY CATTLE	0.087	0.869	0.098	0.065	0.021	0.036	0.088	0.035	1.299
Dairy Cows	0.159	1.369	0.102	0.119	0.038	0.059	0.154	0.064	2.064
Dairy Heifers for H.R. $> 1$ yr	0.000	0.189	0.060	0.000	0.000	0.000	0.000	0.000	0.249
Dairy Bulls $> 1$ yr	0.000	0.339	0.000	0.000	0.000	0.000	0.000	0.000	0.339
Other Dairy Calves $\leq 1$ yr	0.000	0.358	0.132	0.000	0.000	0.016	0.021	0.000	0.527
SHEEP AND LAMBS	0.007	0.051	0.014	0.004	0.000	0.006	0.006	0.004	0.092
Ewes and Wethers	0.008	0.028	0.017	0.003	0.000	0.003	0.007	0.003	0.069
Rams	0.007	0.034	0.013	0.003	0.000	0.003	0.003	0.003	0.066
Lambs*	0.005	0.063	0.010	0.005	0.000	0.008	0.004	0.005	0.100
Breeding Lambs	0.008	0.102	0.016	0.008	0.000	0.013	0.006	0.008	0.161
HOGS	0.181	0.121	0.004	0.000	0.000	0.027	0.022	0.009	0.364
Sows and Bred Gilts	0.390	0.450	0.000	0.000	0.000	0.050	0.050	0.000	0.940
Boars $\geq$ 6 mnths	0.300	0.550	0.000	0.000	0.000	0.050	0.050	0.000	0.950
All Other Pigs*	0.165	0.095	0.004	0.000	0.000	0.025	0.020	0.010	0.319
LAYERS	0.0210	0.0106	0.0000	0.0000	0.0000	0.0005	0.0013	0.0003	0.0337
CHICKENS*	0.0004	0.0022	0.0000	0.0000	0.0000	0.0005	0.0000	0.0000	0.0031
TURKEYS*	0.0147	0.0000	0.0000	0.0000	0.0000	0.0037	0.0012	0.0006	0.0202
HORSES	0.000	0.000	0.400	0.000	0.000	0.040	0.000	0.000	0.440

\* These coefficients represent intake per animal output in 1992. The remainder represent intake per inventory animal in 1992.

Source: Livestock Feed Usage Study, Statistics Canada.



**DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 (tonnes)**

**- BRITISH COLUMBIA -**

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.000	0.181	0.000	0.000	0.000	0.002	0.010	0.027	0.220
Beef Cows	0.000	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.014
Beef Heifers for H.R. $\geq$ 1 yr	0.000	0.055	0.000	0.000	0.000	0.000	0.000	0.000	0.055
Steers, S. and F. Heifers*	0.000	1.266	0.000	0.000	0.000	0.000	0.076	0.179	1.521
Short-keeps*	0.000	0.862	0.000	0.000	0.000	0.000	0.047	0.115	1.024
Long-keeps*	0.000	1.400	0.000	0.000	0.000	0.000	0.085	0.200	1.685
Veal Calves*	0.000	0.664	0.000	0.000	0.000	0.051	0.051	0.204	0.970
Beef Bulls $\geq$ 1 yr	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.008
Beef Bull Calves $\leq$ 1 yr	0.000	0.150	0.000	0.000	0.000	0.006	0.006	0.000	0.162
Beef Heifer Calves $\leq$ 1 yr	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.008
DAIRY CATTLE	0.000	1.034	0.000	0.000	0.000	0.000	0.330	0.319	1.683
Dairy Cows	0.000	1.652	0.000	0.000	0.000	0.000	0.543	0.543	2.738
Dairy Heifers for H.R. $\geq$ 1 yr	0.000	0.233	0.000	0.000	0.000	0.000	0.041	0.000	0.274
Dairy Bulls $>$ 1 yr	0.000	0.429	0.000	0.000	0.000	0.000	0.066	0.132	0.627
Other Dairy Calves $\leq$ 1 yr	0.000	0.238	0.000	0.000	0.000	0.000	0.074	0.064	0.376
SHEEP AND LAMBS	0.000	0.037	0.001	0.000	0.000	0.000	0.002	0.002	0.042
Ewes and Wethers	0.000	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.045
Rams	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.010
Lambs*	0.000	0.040	0.002	0.000	0.000	0.000	0.004	0.004	0.050
Breeding Lambs	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
HOGS	0.050	0.184	0.000	0.000	0.000	0.029	0.006	0.032	0.301
Sows and Bred Gilts	0.174	0.730	0.000	0.000	0.000	0.013	0.008	0.157	1.082
Boars $\geq$ 6 mnths	0.148	0.636	0.000	0.000	0.000	0.000	0.000	0.148	0.932
All Other Pigs*	0.042	0.148	0.000	0.000	0.000	0.030	0.006	0.024	0.250
LAYERS	0.0180	0.0091	0.0000	0.0000	0.0000	0.0005	0.0011	0.0002	0.0289
CHICKENS*	0.0004	0.0022	0.0000	0.0000	0.0000	0.0005	0.0000	0.0000	0.0031
TURKEYS*	0.0135	0.0000	0.0000	0.0000	0.0000	0.0034	0.0011	0.0006	0.0186
HORSES	0.000	0.032	0.060	0.000	0.003	0.000	0.000	0.018	0.113

\* These coefficients represent intake per animal output in 1992. The remainder represent intake per inventory animal in 1992.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 3.0

DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 (tonnes)

## - CANADA -

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.022	0.332	0.076	0.021	0.067	0.009	0.031	0.017	0.575
Beef Cows	0.012	0.137	0.051	0.011	0.004	0.003	0.011	0.011	0.240
Beef Heifers for H.R. $\geq 1$ yr	0.014	0.163	0.124	0.008	0.021	0.001	0.022	0.016	0.369
Steers, S. and F. Heifers*	0.047	0.775	0.106	0.046	0.156	0.013	0.072	0.026	1.241
Short-keeps*	0.035	0.520	0.137	0.057	0.158	0.015	0.028	0.028	0.978
Long-keeps*	0.054	0.930	0.088	0.038	0.154	0.012	0.099	0.025	1.400
Veal Calves*	0.000	0.020	0.002	0.000	0.246	0.045	0.002	0.008	0.323
Beef Bulls $\geq 1$ yr	0.007	0.145	0.052	0.010	0.007	0.000	0.013	0.013	0.247
Beef Bull Calves $\leq 1$ yr	0.001	0.272	0.234	0.015	0.017	0.021	0.025	0.007	0.592
Beef Heifer Calves $\leq 1$ yr	0.011	0.140	0.105	0.006	0.007	0.010	0.013	0.019	0.311
DAIRY CATTLE	0.024	0.428	0.174	0.032	0.492	0.167	0.053	0.082	1.452
Dairy Cows	0.044	0.687	0.251	0.055	0.802	0.258	0.080	0.105	2.282
Dairy Heifers for H.R. $\geq 1$ yr	0.003	0.153	0.101	0.009	0.186	0.075	0.023	0.057	0.607
Dairy Bulls $\geq 1$ yr	0.000	0.110	0.053	0.013	0.055	0.035	0.010	0.033	0.309
Other Dairy Calves $\leq 1$ yr	0.002	0.132	0.074	0.004	0.113	0.062	0.025	0.056	0.468
SHEEP AND LAMBS	0.003	0.032	0.021	0.008	0.005	0.005	0.002	0.002	0.078
Ewes and Wethers	0.004	0.029	0.030	0.013	0.004	0.002	0.003	0.001	0.086
Rams	0.003	0.020	0.017	0.004	0.000	0.001	0.001	0.001	0.047
Lambs*	0.002	0.032	0.014	0.007	0.007	0.007	0.002	0.002	0.073
Breeding Lambs	0.004	0.047	0.016	0.003	0.001	0.007	0.003	0.003	0.084
HOGS	0.063	0.088	0.003	0.000	0.111	0.036	0.015	0.022	0.338
Sows and Bred Gilts	0.165	0.379	0.032	0.000	0.242	0.103	0.042	0.081	1.044
Boars $\geq 6$ mnths	0.112	0.415	0.029	0.000	0.188	0.089	0.036	0.060	0.929
All Other Pigs*	0.056	0.068	0.001	0.000	0.102	0.032	0.013	0.018	0.290
LAYERS	0.0096	0.0036	0.0000	0.0000	0.0112	0.0039	0.0004	0.0009	0.0297
CHICKENS*	0.0004	0.0006	0.0000	0.0000	0.0015	0.0006	0.0000	0.0001	0.0032
TURKEYS*	0.0057	0.0000	0.0000	0.0000	0.0078	0.0037	0.0003	0.0008	0.0184
HORSES	0	0.031	0.381	0.000	0.066	0.04	0.000	0.002	0.520

\* These coefficients represent intake per animal output in 1992. The remainder represent intake per inventory animal in 1992.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 4.0

TOTAL GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992

SUBCLASS OF LIVESTOCK AND POULTRY	Nfld	PEI	NS	NB	Que	Ont	Man	Sask	Alta	BC	CANADA
- tonnes -											
BEEF CATTLE	0.573	0.598	0.356	0.381	0.333	0.572	0.388	0.433	0.742	0.220	0.575
Beef Cows	0.110	0.240	0.070	0.142	0.028	0.245	0.272	0.300	0.261	0.014	0.240
Beef Heifers for H.R. $\geq$ 1 yr	0.362	0.347	0.270	0.284	0.370	0.498	0.341	0.364	0.391	0.055	0.369
Steers, S. and F. Heifers*	0.851	0.809	0.800	0.790	1.116	0.873	0.946	1.409	1.420	1.521	1.241
Short-keeps*	0.000	0.610	0.000	0.000	1.279	0.714	0.818	1.068	1.200	1.024	0.978
Long-keeps*	0.851	0.809	0.800	0.790	1.076	1.109	1.243	1.594	1.516	1.685	1.400
Veal Calves*	0.000	0.300	0.000	0.000	0.185	0.460	0.000	0.000	0.000	0.970	0.323
Beef Bulls $\geq$ 1 yr	0.463	0.342	0.750	0.142	0.000	0.350	0.273	0.190	0.309	0.008	0.247
Beef Bull Calves $\leq$ 1 yr	0.648	0.478	0.360	0.210	0.382	0.212	1.273	0.777	0.600	0.162	0.592
Beef Heifer Calves $<$ 1 yr	0.318	0.422	0.360	0.210	0.383	0.293	0.375	0.317	0.329	0.008	0.311
DAIRY CATTLE	2.234	1.533	1.391	1.579	1.439	1.437	1.653	1.392	1.299	1.683	1.452
Dairy Cows	2.900	2.255	2.250	2.359	2.082	2.502	2.512	1.824	2.064	2.738	2.282
Dairy Heifers for H.R. $\geq$ 1 yr	1.000	0.730	0.500	0.700	0.808	0.469	0.660	0.996	0.249	0.274	0.607
Dairy Bulls $\geq$ 1 yr	0.590	0.730	0.750	0.320	0.000	0.860	0.000	0.580	0.339	0.627	0.309
Other Dairy Calves $\leq$ 1 yr	0.648	0.771	0.500	0.750	0.709	0.154	0.505	0.518	0.527	0.376	0.468
SHEEP AND LAMBS	0.055	0.070	0.037	0.045	0.061	0.069	0.084	0.138	0.092	0.042	0.078
Ewes and Wethers	0.045	0.065	0.036	0.032	0.098	0.104	0.048	0.160	0.069	0.045	0.086
Rams	0.036	0.072	0.036	0.032	0.138	0.023	0.039	0.100	0.066	0.010	0.047
Lambs*	0.032	0.072	0.023	0.057	0.058	0.058	0.109	0.105	0.100	0.050	0.073
Breeding Lambs	0.082	0.072	0.097	0.057	0.131	0.000	0.109	0.120	0.161	0.000	0.084
HOGS	0.320	0.307	0.292	0.311	0.318	0.366	0.312	0.362	0.364	0.301	0.338
Sows and Bred Gilts	1.015	0.970	0.960	1.064	1.012	1.151	0.945	1.176	0.940	1.082	1.044
Boars $\geq$ 6 mnths	0.814	0.970	0.960	0.840	0.963	0.954	0.840	0.881	0.950	0.932	0.929
All Other Pigs*	0.272	0.260	0.255	0.258	0.273	0.308	0.273	0.295	0.319	0.250	0.290
LAYERS	0.0265	0.0277	0.0281	0.0263	0.0296	0.0290	0.0325	0.0278	0.0337	0.0289	0.0297
CHICKENS*	0.0028	0.0035	0.0031	0.0035	0.0033	0.0033	0.0031	0.0034	0.0031	0.0031	0.0032
TURKEYS*	0.0000	0.0100	0.0094	0.0096	0.0144	0.0212	0.0190	0.0194	0.0202	0.0186	0.0184
HORSES	0.346	0.382	0.346	0.346	0.883	0.829	0.504	0.415	0.440	0.113	0.520

\* These coefficients represent intake per animal output in 1992. The remainder represent intake per inventory animal in 1992.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 5.0

## LIVESTOCK AND POULTRY POPULATIONS BY SUBCLASS, CANADA AND PROVINCES, 1992

SUBCLASS OF LIVESTOCK AND POULTRY	Nfld	PEI	NS	NB	Que	Ont	Man	Sask	Alta	BC	CANADA
- '000 head -											
BEEF CATTLE	4.5	49.1	67.6	55.1	622.0	1526.1	686.1	1471.6	3845.4	405.3	8732.8
Beef Cows	0.8	12.8	27.6	21.0	194.8	406.3	422.8	914.3	1638.5	247.3	3885.9
Beef Heifers for H.R. $\geq$ 1 yr	0.1	3.0	6.6	5.3	49.0	93.0	71.5	166.8	290.8	45.8	731.7
Steers, S. and F. Heifers*	2.8	29.1	21.0	19.2	114.6	663.0	97.1	172.6	1543.2	45.8	2708.4
Short-keeps*	0.0	0.0	0.0	0.0	22.9	397.8	68.0	60.4	463.0	11.5	1023.5
Long-keeps*	2.8	29.1	21.0	19.2	91.7	265.2	29.1	112.2	1080.2	34.4	1684.9
Veal Calves*	0.6	0.4	4.0	3.0	204.8	240.1	3.7	22.4	7.0	12.9	498.8
Beef Bulls $\geq$ 1 yr	0.1	0.8	1.5	1.4	12.6	24.2	20.9	47.5	90.3	13.4	212.7
Beef Bull Calves $\leq$ 1 yr	0.0	0.2	0.4	0.4	4.5	5.7	3.9	8.4	17.5	2.5	43.4
Beef Heifer Calves $\leq$ 1 yr	0.1	2.9	6.5	5.0	41.8	93.8	66.3	139.7	258.1	37.7	652.0
DAIRY CATTLE	6.7	35.2	54.5	43.4	972.0	842.4	97.6	74.8	191.0	131.9	2449.3
Dairy Cows	4.6	18.3	27.7	22.8	504.8	430.8	54.3	44.3	104.0	74.3	1285.6
Dairy Heifers for H.R. $\geq$ 1 yr	1.1	8.3	13.4	10.4	234.0	213.3	22.3	15.8	44.3	31.3	593.9
Dairy Bulls $\geq$ 1 yr	0.1	0.3	0.3	0.3	9.9	4.6	0.7	0.5	0.9	0.9	18.4
Other Dairy Calves $\leq$ 1 yr	1.0	8.3	13.1	9.9	223.4	193.8	20.4	14.3	41.8	25.5	551.4
SHEEP AND LAMBS	11.5	3.0	26.2	8.5	72.8	351.7	41.5	72.6	317.7	81.9	987.6
Ewes and Wethers	4.1	1.5	14.0	4.2	4.2	128.0	17.2	41.4	142.2	33.0	389.6
Rams	0.2	0.1	0.5	0.2	0.2	6.0	0.8	2.0	6.2	2.0	18.2
Lambs*	3.1	1.2	9.4	2.9	67.2	192.5	20.5	20.5	136.1	37.9	491.1
Breeding Lambs	4.1	0.3	2.4	1.3	1.3	25.3	3.1	8.8	33.3	9.0	88.6
HOGS	28.2	185.4	224.8	131.9	5007.9	4750.0	2550.5	1228.6	2802.1	385.0	17294.3
Sows and Bred Gilts	1.7	11.5	11.4	8.4	292.3	315.8	139.3	87.0	190.0	21.8	1079.0
Boars $>$ 6 mnths	0.2	0.7	0.6	0.5	13.9	19.9	9.0	7.8	14.5	1.4	68.4
All Other Pigs*	26.3	173.2	212.8	123.0	4701.8	4414.4	2402.2	1133.8	2597.6	361.8	16146.9
LAYERS	351.0	112.0	886.0	506.0	3568.0	7642.0	2288.0	945.0	1878.0	2576.0	20752.0
CHICKENS*	5654.0	1518.0	13679.0	9932.0	112601.0	130526.0	16930.0	11374.0	36199.0	51196.0	389609.0
TURKEYS*	0.0	6.0	739.0	526.0	4511.0	8446.0	1416.0	756.0	1599.0	1862.0	19861.0
HORSES	0.3	1.9	3.0	3.1	25.8	75.1	44.1	53.8	109.2	39.8	356.1

\* These populations represent number of animals output in 1992. The remainder represent average inventory in 1992.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 6.0

## TOTAL GRAINS AND OILSEEDS CONSUMPTION BY SUBCLASS OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992

SUBCLASS OF LIVESTOCK AND POULTRY	Nfld	PEI	NS	NB	Que	Ont	Man	Sask	Alta	BC	CANADA
- '000 tonnes -											
BEEF CATTLE(1)	2.6	29.3	24.1	21.0	207.2	827.4	379.3	672.3	2847.5	126.6	5137.2
Beef Cows	0.1	3.1	1.9	3.0	5.5	99.5	115.0	274.3	427.6	3.5	933.4
Beef Heifers for H.R. >1 yr	0.0	1.0	1.8	1.5	18.1	46.3	24.4	60.7	113.7	2.5	270.1
Steers, S. and F. Heifers*	2.4	23.5	16.8	15.2	128.0	533.9	204.5	277.5	2182.8	107.3	3491.8
Short-keeps*	0.0	0.0	0.0	0.0	29.3	284.0	55.6	64.5	555.6	11.7	1000.7
Long-keeps*	2.4	23.5	16.8	15.2	98.6	294.1	36.2	178.8	1637.6	57.9	2361.2
Veal Calves*	0.0	0.1	0.0	0.0	37.9	110.5	0.0	0.0	0.0	12.5	160.9
Beef Bulls > 1 yr	0.1	0.3	1.1	0.2	0.0	8.5	5.7	9.0	27.9	0.1	52.8
Beef Bull Calves < 1 yr	0.0	0.1	0.1	0.1	1.7	1.2	4.9	6.5	10.5	0.4	25.6
Beef Heifer Calves < 1 yr	0.0	1.2	2.4	1.1	16.0	27.5	24.9	44.3	84.9	0.3	202.5
DAIRY CATTLE	14.9	53.9	75.9	68.5	1398.4	1211.2	161.3	104.1	248.0	222.0	3558.2
Dairy Cows	13.2	41.3	62.4	53.7	1050.9	1077.5	136.3	80.7	214.7	203.3	2934.0
Dairy Heifers for H.R. >1 yr	1.1	6.0	6.7	7.3	189.1	99.9	14.7	15.7	11.0	8.6	360.0
Dairy Bulls > 1 yr	0.0	0.2	0.2	0.1	0.0	4.0	0.0	0.3	0.3	0.5	5.7
Other Dairy Calves <1 yr	0.7	6.4	6.5	7.4	158.4	29.8	10.3	7.4	22.0	9.6	258.5
SHEEP AND LAMBS	0.6	0.2	1.0	0.4	4.5	24.6	3.4	10.0	29.2	3.4	77.3
Ewes and Wethers	0.2	0.1	0.5	0.1	0.4	13.3	0.8	6.6	9.8	1.5	33.4
Rams	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.4	0.0	0.9
Lambs*	0.1	0.1	0.2	0.2	3.9	11.2	2.2	2.2	13.6	1.9	35.5
Breeding Lambs	0.3	0.0	0.2	0.1	0.2	0.0	0.3	1.1	5.4	0.0	7.6
HOGS	9.0	56.8	65.8	41.1	1593.7	1742.0	795.0	443.6	1021.0	115.3	5883.3
Sows and Bred Gilts	1.7	11.1	10.9	9.0	295.8	363.4	131.6	102.3	178.6	23.5	1128.0
Boars > 6 mnths	0.2	0.7	0.6	0.4	13.4	19.0	7.6	6.8	13.8	1.3	63.6
All Other Pigs*	7.2	45.0	54.3	31.7	1284.5	1359.6	655.8	334.5	828.6	90.5	4691.7
LAYERS	9.3	3.1	24.9	13.3	105.7	221.4	74.3	26.3	63.2	74.6	616.1
CHICKENS*	15.7	5.3	41.7	34.8	375.2	424.4	53.2	38.4	111.2	156.2	1256.2
TURKEYS*	0.0	0.1	6.9	5.0	65.0	179.4	27.0	14.7	32.3	34.6	364.9
HORSES	0.1	0.7	1.0	1.1	22.8	62.3	22.2	22.3	48.0	4.5	185.1
TOTAL	52.3	149.4	241.3	185.2	3772.4	4692.6	1515.8	1331.8	4400.4	737.1	17078.4

(1) Total grains and oilseeds consumption by steers, slaughter and feeder heifers has been adjusted to compensate for grains and oilseeds intake by feeder steers and heifers prior to interprovincial movement and/or international export.

\* These coefficients represent intake per animal output in 1992. The remainder represent intake per inventory animal in 1992.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 7.0

**TOTAL GRAINS AND OILSEEDS CONSUMPTION BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 ('000 tonnes)**

**- NEWFOUNDLAND -**

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.0	1.8	0.6	0.0	0.1	0.1	0.0	0.0	2.6
Beef Cows	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Beef Heifers for H.R. $\geq 1$ yr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Steers, S. and F. Heifers*	0.0	1.7	0.5	0.0	0.1	0.1	0.0	0.0	2.4
Short-keeps*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-keeps*	0.0	1.7	0.5	0.0	0.1	0.1	0.0	0.0	2.4
Veal Calves*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Beef Bulls $\geq 1$ yr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Beef Bull Calves $\leq 1$ yr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Beef Heifer Calves $\leq 1$ yr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DAIRY CATTLE	1.3	4.5	1.9	0.0	3.4	0.9	0.7	2.1	14.9
Dairy Cows	1.2	4.0	1.7	0.0	3.0	0.8	0.7	1.8	13.2
Dairy Heifers for H.R. $\geq 1$ yr	0.1	0.3	0.1	0.0	0.2	0.1	0.0	0.2	1.1
Dairy Bulls $\geq 1$ yr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Dairy Calves $\leq 1$ yr	0.1	0.2	0.1	0.0	0.2	0.0	0.0	0.1	0.7
SHEEP AND LAMBS	0.1	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.6
Ewes and Wethers	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2
Rams	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lambs*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Breeding Lambs	0.0	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.3
HOGS	0.6	3.9	0.7	0.0	2.5	0.9	0.2	0.2	9.0
Sows and Bred Gilts	0.1	0.7	0.2	0.0	0.5	0.2	0.0	0.0	1.7
Boars $\geq 6$ mnths	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
All Other Pigs*	0.4	3.2	0.4	0.0	2.0	0.7	0.2	0.2	7.2
LAYERS	1.3	0.0	0.0	0.0	5.7	1.9	0.0	0.4	9.3
CHICKENS*	2.0	0.0	0.0	0.0	10.5	3.0	0.0	0.3	15.8
TURKEYS*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HORSES	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
<b>TOTAL</b>	<b>5.3</b>	<b>10.6</b>	<b>3.4</b>	<b>0.0</b>	<b>22.3</b>	<b>6.8</b>	<b>1.0</b>	<b>3.0</b>	<b>52.4</b>

\* Total consumption data have not been adjusted to account for interprovincial and international movement of feeder cattle and will not equal consumption data found in Text TABLE 3 and Appendix 6.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 7.0

**TOTAL GRAINS AND OILSEEDS CONSUMPTION BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 ('000 tonnes)**

**- PRINCE EDWARD ISLAND -**

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.0	17.6	9.9	0.0	0.0	1.9	0.0	0.0	29.3
Beef Cows	0.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	3.1
Beef Heifers for H.R. $\geq 1$ yr	0.0	0.5	0.4	0.0	0.0	0.1	0.0	0.0	1.0
Steers, S. and F. Heifers*	0.0	14.8	7.1	0.0	0.0	1.7	0.0	0.0	23.5
Short-keeps*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-keeps*	0.0	14.8	7.1	0.0	0.0	1.7	0.0	0.0	23.5
Veal Calves*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Beef Bulls $\geq 1$ yr	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.3
Beef Bull Calves $\leq 1$ yr	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Beef Heifer Calves $\leq 1$ yr	0.0	0.5	0.6	0.0	0.0	0.1	0.0	0.0	1.2
DAIRY CATTLE	0.0	39.5	4.4	0.0	2.1	8.0	0.0	0.0	53.9
Dairy Cows	0.0	30.6	2.5	0.0	2.1	6.1	0.0	0.0	41.3
Dairy Heifers for H.R. $\geq 1$ yr	0.0	4.2	0.9	0.0	0.0	0.9	0.0	0.0	6.0
Dairy Bulls $\geq 1$ yr	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Other Dairy Calves $\leq 1$ yr	0.0	4.5	0.9	0.0	0.0	0.9	0.0	0.0	6.4
SHEEP AND LAMBS	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2
Ewes and Wethers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Rams	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lambs*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Breeding Lambs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HOGS	8.2	30.0	0.2	0.0	8.0	10.6	0.0	0.0	56.9
Sows and Bred Gilts	3.2	3.2	0.0	0.0	3.2	1.6	0.0	0.0	11.1
Boars $> 6$ mnths	0.1	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.7
All Other Pigs*	4.8	26.7	0.0	0.0	4.7	8.8	0.0	0.0	45.0
LAYERS	0.4	0.0	0.0	0.0	1.9	0.6	0.0	0.1	3.1
CHICKENS*	0.7	0.0	0.0	0.0	3.5	1.0	0.0	0.1	5.3
TURKEYS*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
HORSES	0.0	0.0	0.7	0.0	0.0	0.1	0.0	0.0	0.7
<b>T O T A L</b>	<b>9.3</b>	<b>87.2</b>	<b>15.2</b>	<b>0.0</b>	<b>15.5</b>	<b>22.1</b>	<b>0.0</b>	<b>0.2</b>	<b>149.5</b>

\* Total consumption data have not been adjusted to account for interprovincial and international movement of feeder cattle and will not equal consumption data found in Text TABLE 3 and Appendix 6.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 7.0

**TOTAL GRAINS AND OILSEEDS CONSUMPTION BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 ('000 tonnes)**

**- NOVA SCOTIA -**

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.0	16.3	6.6	0.0	0.0	1.2	0.0	0.0	24.1
Beef Cows	0.0	1.1	0.8	0.0	0.0	0.0	0.0	0.0	1.9
Beef Heifers for H.R. $\geq 1$ yr	0.0	0.9	0.9	0.0	0.0	0.0	0.0	0.0	1.8
Steers, S. and F. Heifers*	0.0	12.6	3.2	0.0	0.0	1.1	0.0	0.0	16.8
Short-keeps*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-keeps*	0.0	12.6	3.2	0.0	0.0	1.1	0.0	0.0	16.8
Veal Calves*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Beef Bulls $\geq 1$ yr	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	1.1
Beef Bull Calves $\leq 1$ yr	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Beef Heifer Calves $\leq 1$ yr	0.0	1.1	1.1	0.0	0.0	0.1	0.0	0.0	2.4
DAIRY CATTLE	6.6	20.4	6.7	0.0	19.8	4.1	3.9	14.3	75.8
Dairy Cows	5.5	16.6	5.5	0.0	16.6	3.3	3.3	11.4	62.4
Dairy Heifers for H.R. $\geq 1$ yr	0.5	1.9	0.5	0.0	1.6	0.4	0.3	1.5	6.7
Dairy Bulls $\geq 1$ yr	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2
Other Dairy Calves $\leq 1$ yr	0.5	1.8	0.5	0.0	1.6	0.4	0.3	1.4	6.5
SHEEP AND LAMBS	0.1	0.4	0.2	0.0	0.2	0.1	0.0	0.0	1.0
Ewes and Wethers	0.1	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.5
Rams	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lambs*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Breeding Lambs	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
HOGS	20.9	22.9	0.0	0.0	10.8	11.0	0.0	0.0	65.6
Sows and Bred Gilts	4.6	4.6	0.0	0.0	0.0	1.8	0.0	0.0	10.9
Boars $\geq 6$ mnths	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.6
All Other Pigs*	16.2	18.1	0.0	0.0	10.9	9.2	0.0	0.0	54.3
LAYERS	3.4	0.0	0.0	0.0	15.3	5.1	0.0	1.1	24.9
CHICKENS*	5.4	0.0	0.0	0.0	28.1	8.1	0.0	0.8	42.4
TURKEYS*	0.9	0.0	0.0	0.0	4.2	1.5	0.0	0.3	6.9
HORSES	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
<b>TOTAL</b>	<b>37.3</b>	<b>60.1</b>	<b>14.5</b>	<b>0.0</b>	<b>78.3</b>	<b>31.1</b>	<b>3.9</b>	<b>16.5</b>	<b>241.7</b>

\* Total consumption data have not been adjusted to account for interprovincial and international movement of feeder cattle and will not equal consumption data found in Text TABLE 3 and Appendix 6.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 7.0

**TOTAL GRAINS AND OILSEEDS CONSUMPTION BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 ('000 tonnes)**

**- NEW BRUNSWICK -**

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.0	14.4	5.6	0.0	0.0	1.0	0.0	0.0	21.0
Beef Cows	0.0	1.7	1.3	0.0	0.0	0.0	0.0	0.0	3.0
Beef Heifers for H.R. $\geq 1$ yr	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	1.5
Steers, S. and F. Heifers*	0.0	11.4	2.9	0.0	0.0	0.9	0.0	0.0	15.2
Short-keeps*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-keeps*	0.0	11.4	2.9	0.0	0.0	0.9	0.0	0.0	15.2
Veal Calves*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Beef Bulls $\geq 1$ yr	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2
Beef Bull Calves $\leq 1$ yr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Beef Heifer Calves $\leq 1$ yr	0.0	0.5	0.5	0.0	0.0	0.1	0.0	0.0	1.1
DAIRY CATTLE	6.0	18.7	6.0	0.0	18.1	3.6	3.3	12.9	68.5
Dairy Cows	4.8	14.5	4.8	0.0	14.5	2.7	2.7	9.7	53.7
Dairy Heifers for H.R. $\geq 1$ yr	0.6	2.0	0.6	0.0	1.8	0.4	0.3	1.6	7.3
Dairy Bulls $\geq 1$ yr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Other Dairy Calves $\leq 1$ yr	0.6	2.1	0.6	0.0	1.8	0.4	0.3	1.6	7.4
SHEEP AND LAMBS	0.0	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.4
Ewes and Wethers	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Rams	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lambs*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Breeding Lambs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
HOGS	3.8	7.1	0.0	0.0	22.2	7.9	0.0	0.0	41.0
Sows and Bred Gilts	3.7	3.7	0.0	0.0	0.0	1.6	0.0	0.0	9.0
Boars $\geq 6$ mnths	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.4
All Other Pigs*	0.0	3.3	0.0	0.0	22.1	6.3	0.0	0.0	31.7
LAYERS	1.8	0.0	0.0	0.0	8.2	2.7	0.0	0.6	13.3
CHICKENS*	4.4	0.0	0.0	0.0	23.0	6.6	0.0	0.7	34.7
TURKEYS*	0.7	0.0	0.0	0.0	3.1	1.1	0.0	0.3	5.0
HORSES	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	1.1
<b>T O T A L</b>	<b>16.8</b>	<b>40.4</b>	<b>12.7</b>	<b>0.0</b>	<b>74.5</b>	<b>22.9</b>	<b>3.3</b>	<b>14.4</b>	<b>185.1</b>

\* Total consumption data have not been adjusted to account for interprovincial and international movement of feeder cattle and will not equal consumption data found in Text TABLE 3 and Appendix 6.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 7.0

**TOTAL GRAINS AND OILSEEDS CONSUMPTION BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 ('000 tonnes)**

**- QUEBEC -**

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	8.1	25.5	14.3	0.0	130.0	15.6	0.6	13.1	207.1
Beef Cows	0.0	2.7	2.7	0.0	0.0	0.0	0.0	0.0	5.5
Beef Heifers for H.R. $\geq$ 1 yr	0.0	2.8	2.8	0.0	6.0	0.9	0.0	5.6	18.1
Steers, S. and F. Heifers*	8.0	16.0	4.9	0.0	92.3	3.3	0.0	3.3	127.9
Short-keeps*	8.1	15.7	4.7	0.0	0.1	0.6	0.0	0.1	29.3
Long-keeps*	0.0	0.3	0.3	0.0	92.1	2.7	0.0	3.3	98.6
Veal Calves*	0.0	1.2	1.2	0.0	26.4	7.4	0.4	1.2	37.9
Beef Bulls $\geq$ 1 yr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Beef Bull Calves $\leq$ 1 yr	0.0	0.3	0.3	0.0	0.5	0.4	0.0	0.3	1.7
Beef Heifer Calves $\leq$ 1 yr	0.0	2.6	2.6	0.0	4.8	3.3	0.0	2.6	16.0
DAIRY CATTLE	22.4	277.0	170.1	0.0	574.5	198.3	38.9	117.6	1398.8
Dairy Cows	22.7	220.1	113.1	0.0	470.4	143.9	20.2	60.6	1050.9
Dairy Heifers for H.R. $\geq$ 1 yr	0.0	30.7	30.7	0.0	59.2	27.6	10.3	30.7	189.1
Dairy Bulls $\geq$ 1 yr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Dairy Calves $\leq$ 1 yr	0.0	26.1	26.1	0.0	44.5	26.8	8.7	26.2	158.4
SHEEP AND LAMBS	0.0	2.0	1.5	0.0	0.4	0.3	0.0	0.3	4.4
Ewes and Wethers	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.4
Rams	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lambs*	0.0	1.7	1.3	0.0	0.4	0.3	0.0	0.3	3.9
Breeding Lambs	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2
HOGS	170.3	250.4	0.0	0.0	846.3	125.2	55.1	145.2	1592.5
Sows and Bred Gilts	46.2	46.2	0.0	0.0	104.3	17.8	7.6	73.6	295.8
Boars $\geq$ 6 mnths	2.1	2.1	0.0	0.0	4.7	0.8	0.3	3.3	13.4
All Other Pigs*	122.2	203.1	0.0	0.0	738.2	108.1	47.0	65.8	1284.5
LAYERS	14.5	0.0	0.0	0.0	65.0	21.7	0.0	4.5	105.6
CHICKENS*	47.2	0.0	0.0	0.0	246.0	70.9	0.0	7.1	371.2
TURKEYS*	8.6	0.0	0.0	0.0	39.4	13.7	0.0	3.2	65.0
HORSES	0.0	3.5	3.5	0.0	14.1	1.7	0.0	0.0	22.8
<b>TOTAL</b>	<b>270.9</b>	<b>558.5</b>	<b>189.4</b>	<b>0.0</b>	<b>1915.7</b>	<b>447.3</b>	<b>94.6</b>	<b>291.1</b>	<b>3767.5</b>

\* Total consumption data have not been adjusted to account for interprovincial and international movement of feeder cattle and will not equal consumption data found in Text TABLE 3 and Appendix 6.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 7.0

**TOTAL GRAINS AND OILSEEDS CONSUMPTION BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 ('000 tonnes)**

**- ONTARIO -**

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	18.3	145.0	126.7	64.1	451.7	56.5	4.6	6.1	872.9
Beef Cows	10.2	32.9	31.3	0.0	15.0	10.2	0.0	0.0	99.5
Beef Heifers for H.R. $\geq 1$ yr	4.7	13.9	13.9	0.0	9.3	0.0	4.7	0.0	46.3
Steers, S. and F. Heifers*	0.0	86.9	69.6	63.6	329.5	29.2	0.0	0.0	578.8
Short-keeps*	0.0	42.6	34.2	31.0	161.9	14.3	0.0	0.0	284.0
Long-keeps*	0.0	44.0	35.3	32.4	167.9	14.6	0.0	0.0	294.1
Veal Calves*	0.0	0.0	0.0	0.0	96.1	14.4	0.0	0.0	110.5
Beef Bulls $> 1$ yr	0.2	3.0	3.0	0.7	1.5	0.0	0.0	0.0	8.5
Beef Bull Calves $\leq 1$ yr	0.0	0.4	0.4	0.1	0.2	0.0	0.0	0.0	1.2
Beef Heifer Calves $\leq 1$ yr	2.7	8.3	8.3	0.0	0.0	2.7	0.0	5.5	27.5
DAIRY CATTLE	3.4	191.2	191.2	64.9	576.2	182.8	0.0	0.8	1210.5
Dairy Cows	3.3	169.7	169.7	57.9	513.2	163.7	0.0	0.0	1077.5
Dairy Heifers for H.R. $\geq 1$ yr	0.3	15.8	15.8	5.4	47.7	14.9	0.0	0.0	99.9
Dairy Bulls $\geq 1$ yr	0.0	0.9	0.7	0.2	1.0	0.6	0.1	0.5	4.0
Other Dairy Calves $\leq 1$ yr	0.1	4.8	4.8	1.6	14.5	3.9	0.0	0.0	29.8
SHEEP AND LAMBS	0.4	5.3	5.3	7.0	4.6	1.8	0.0	0.0	24.3
Ewes and Wethers	0.3	3.5	3.5	4.6	1.4	0.1	0.0	0.0	13.3
Rams	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Lambs*	0.0	1.9	1.9	2.5	3.1	1.7	0.0	0.0	11.2
Breeding Lambs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HOGS	0.0	147.3	38.0	0.0	1035.5	232.8	80.8	204.3	1738.5
Sows and Bred Gilts	0.0	86.8	34.7	0.0	152.8	59.0	19.3	10.7	363.4
Boars $\geq 6$ mnths	0.0	4.5	1.8	0.0	8.0	3.1	1.0	0.6	19.0
All Other Pigs*	0.0	57.4	0.0	0.0	874.1	172.2	61.8	194.2	1359.6
LAYERS	30.4	0.0	0.0	0.0	136.3	45.4	0.0	9.5	221.6
CHICKENS*	54.7	0.0	0.0	0.0	285.2	82.2	0.0	8.2	430.3
TURKEYS*	23.6	0.0	0.0	0.0	108.7	37.8	0.0	9.0	179.0
HORSES	0.0	6.2	40.5	0.0	9.3	6.2	0.0	0.0	62.3
<b>T O T A L</b>	<b>130.7</b>	<b>495.0</b>	<b>401.6</b>	<b>136.0</b>	<b>2607.5</b>	<b>645.5</b>	<b>85.3</b>	<b>237.9</b>	<b>4739.5</b>

\* Total consumption data have not been adjusted to account for interprovincial and international movement of feeder cattle and will not equal consumption data found in Text TABLE 3 and Appendix 6.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 7.0

**TOTAL GRAINS AND OILSEEDS CONSUMPTION BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 ('000 tonnes)**

**- MANITOBA -**

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.0	117.3	126.2	22.6	0.0	0.0	0.0	0.0	266.2
Beef Cows	0.0	0.0	92.2	22.8	0.0	0.0	0.0	0.0	115.0
Beef Heifers for H.R. $\geq$ 1 yr	0.0	17.1	7.3	0.0	0.0	0.0	0.0	0.0	24.4
Steers, S. and F. Heifers*	0.0	73.4	18.5	0.0	0.0	0.0	0.0	0.0	91.9
Short-keeps*	0.0	44.5	11.1	0.0	0.0	0.0	0.0	0.0	55.6
Long-keeps*	0.0	29.0	7.3	0.0	0.0	0.0	0.0	0.0	36.2
Veal Calves*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Beef Bulls $\geq$ 1 yr	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	5.7
Beef Bull Calves $<$ 1 yr	0.0	4.0	0.9	0.0	0.0	0.0	0.0	0.0	4.9
Beef Heifer Calves $<$ 1 yr	0.0	17.4	7.4	0.0	0.0	0.0	0.0	0.0	24.9
DAIRY CATTLE	0.0	124.1	1.4	0.0	7.4	3.7	21.1	3.6	161.3
Dairy Cows	0.0	103.2	0.0	0.0	7.4	3.6	18.4	3.6	136.3
Dairy Heifers for H.R. $\geq$ 1 yr	0.0	12.5	0.7	0.0	0.0	0.0	1.6	0.0	14.7
Dairy Bulls $\geq$ 1 yr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Dairy Calves $<$ 1 yr	0.0	8.5	0.7	0.0	0.0	0.1	1.0	0.0	10.3
SHEEP AND LAMBS	0.2	2.1	1.0	0.1	0.0	0.1	0.0	0.0	3.5
Ewes and Wethers	0.0	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.8
Rams	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lambs*	0.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0	2.2
Breeding Lambs	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.3
HOGS	272.9	392.8	0.0	0.0	0.0	104.6	25.5	0.0	795.7
Sows and Bred Gilts	26.6	93.9	0.0	0.0	0.0	8.1	3.1	0.0	131.6
Boars $\geq$ 6 mnths	0.5	6.5	0.0	0.0	0.0	0.5	0.1	0.0	7.6
All Other Pigs*	245.0	293.1	0.0	0.0	0.0	96.1	21.6	0.0	655.8
LAYERS	46.3	23.5	0.0	0.0	0.0	1.2	2.8	0.6	74.4
CHICKENS*	6.4	36.7	0.0	0.0	0.0	8.9	0.0	0.5	52.4
TURKEYS*	19.5	0.0	0.0	0.0	0.0	5.0	1.6	0.8	26.9
HORSES	0.0	0.0	20.5	0.0	0.0	1.8	0.0	0.0	22.2
<b>T O T A L</b>	<b>345.2</b>	<b>696.5</b>	<b>149.1</b>	<b>22.7</b>	<b>7.4</b>	<b>125.1</b>	<b>51.1</b>	<b>5.5</b>	<b>1402.6</b>

\* Total consumption data have not been adjusted to account for interprovincial and international movement of feeder cattle and will not equal consumption data found in Text TABLE 3 and Appendix 6.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 7.0

**TOTAL GRAINS AND OILSEEDS CONSUMPTION BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 ('000 tonnes)**

**- SASKATCHEWAN -**

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	22.1	500.3	114.8	0.0	0.0	0.0	0.0	0.0	637.2
Beef Cows	13.7	233.1	27.4	0.0	0.0	0.0	0.0	0.0	274.3
Beef Heifers for H.R. $\geq 1$ yr	0.0	24.3	36.4	0.0	0.0	0.0	0.0	0.0	60.7
Steers, S. and F. Heifers*	9.0	218.9	15.4	0.0	0.0	0.0	0.0	0.0	243.2
Short-keeps*	0.0	58.1	6.5	0.0	0.0	0.0	0.0	0.0	64.5
Long-keeps*	9.0	160.9	9.0	0.0	0.0	0.0	0.0	0.0	178.8
Veal Calves*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Beef Bulls $\geq 1$ yr	0.0	4.5	4.5	0.0	0.0	0.0	0.0	0.0	9.0
Beef Bull Calves $\leq 1$ yr	0.0	1.3	5.2	0.0	0.0	0.0	0.0	0.0	6.5
Beef Heifer Calves $\leq 1$ yr	0.0	17.7	26.6	0.0	0.0	0.0	0.0	0.0	44.3
DAIRY CATTLE	2.5	71.1	24.7	0.4	0.3	1.9	2.5	0.7	104.1
Dairy Cows	2.5	59.4	15.3	0.0	0.3	0.9	1.6	0.7	80.7
Dairy Heifers for H.R. $\geq 1$ yr	0.0	7.8	7.8	0.0	0.0	0.0	0.0	0.0	15.7
Dairy Bulls $\geq 1$ yr	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.3
Other Dairy Calves $\leq 1$ yr	0.0	3.8	1.4	0.4	0.0	0.9	0.9	0.0	7.4
SHEEP AND LAMBS	0.0	1.9	7.6	0.0	0.0	0.3	0.3	0.0	10.0
Ewes and Wethers	0.0	1.3	5.3	0.0	0.0	0.0	0.0	0.0	6.6
Rams	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2
Lambs*	0.0	0.3	1.4	0.0	0.0	0.2	0.2	0.0	2.2
Breeding Lambs	0.0	0.2	0.6	0.0	0.0	0.1	0.1	0.0	1.1
HOGS	94.6	265.4	4.9	0.0	0.0	49.1	30.7	0.0	444.7
Sows and Bred Gilts	16.3	69.1	0.0	0.0	0.0	11.7	5.3	0.0	102.3
Boars $\geq 6$ mnths	0.0	5.8	0.0	0.0	0.0	0.7	0.4	0.0	6.8
All Other Pigs*	78.2	190.5	4.5	0.0	0.0	36.3	24.9	0.0	334.5
LAYERS	16.3	8.3	0.0	0.0	0.0	0.4	1.0	0.2	26.3
CHICKENS*	4.7	27.0	0.0	0.0	0.0	6.5	0.0	0.4	38.6
TURKEYS*	10.6	0.0	0.0	0.0	0.0	2.7	0.9	0.4	14.7
HORSES	0.0	0.0	22.3	0.0	0.0	0.0	0.0	0.0	22.3
<b>TOTAL</b>	<b>150.9</b>	<b>874.0</b>	<b>174.3</b>	<b>0.4</b>	<b>0.3</b>	<b>61.0</b>	<b>35.4</b>	<b>1.7</b>	<b>1297.9</b>

\* Total consumption data have not been adjusted to account for interprovincial and international movement of feeder cattle and will not equal consumption data found in Text TABLE 3 and Appendix 6.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 7.0

**TOTAL GRAINS AND OILSEEDS CONSUMPTION BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 ('000 tonnes)**

— ALBERTA —

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	142.3	1984.2	261.5	92.3	0.0	0.0	257.6	115.4	2853.3
Beef Cows	21.3	257.2	42.6	21.3	0.0	0.0	42.6	42.6	427.6
Beef Heifers for H.R. $\geq$ 1 yr	5.8	56.4	28.5	5.8	0.0	0.0	11.3	5.8	113.7
Steers, S. and F. Heifers*	109.6	1604.9	165.1	60.2	0.0	0.0	191.4	60.2	2191.3
Short-keeps*	27.8	361.1	83.3	27.8	0.0	0.0	27.8	27.8	555.6
Long-keeps*	82.1	1244.4	82.1	32.4	0.0	0.0	164.2	32.4	1637.6
Veal Calves*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Beef Bulls $\geq$ 1 yr	1.4	16.8	2.8	1.4	0.0	0.0	2.8	2.8	27.9
Beef Bull Calves $<$ 1 yr	0.0	5.3	3.2	0.5	0.0	0.5	1.1	0.0	10.5
Beef Heifer Calves $<$ 1 yr	4.1	42.8	21.2	4.1	0.0	0.0	8.5	4.1	84.9
DAIRY CATTLE	16.6	166.0	18.7	12.4	4.0	6.9	16.8	6.7	248.1
Dairy Cows	16.5	142.4	10.6	12.4	4.0	6.1	16.0	6.7	214.7
Dairy Heifers for H.R. $\geq$ 1 yr	0.0	8.4	2.7	0.0	0.0	0.0	0.0	0.0	11.0
Dairy Bulls $\geq$ 1 yr	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Other Dairy Calves $<$ 1 yr	0.0	15.0	5.5	0.0	0.0	0.7	0.9	0.0	22.0
SHEEP AND LAMBS	2.2	16.2	4.4	1.3	0.0	1.9	1.9	1.3	29.2
Ewes and Wethers	1.1	4.0	2.4	0.4	0.0	0.4	1.0	0.4	9.8
Rams	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.4
Lambs*	0.7	8.6	1.4	0.7	0.0	1.1	0.5	0.7	13.6
Breeding Lambs	0.3	3.4	0.5	0.3	0.0	0.4	0.2	0.3	5.4
HOGS	507.2	339.1	11.2	0.0	0.0	75.7	61.6	25.2	1020.0
Sows and Bred Gilts	74.1	85.5	0.0	0.0	0.0	9.5	9.5	0.0	178.6
Boars $\geq$ 6 months	4.4	8.0	0.0	0.0	0.0	0.7	0.7	0.0	13.8
All Other Pigs*	428.6	246.8	10.4	0.0	0.0	64.9	52.0	26.0	828.6
LAYERS	39.4	20.0	0.0	0.0	0.0	1.0	2.4	0.5	63.3
CHICKENS*	13.7	78.4	0.0	0.0	0.0	19.0	0.0	1.0	112.1
TURKEYS*	23.4	0.0	0.0	0.0	0.0	5.9	1.9	1.0	32.3
HORSES	0.0	0.0	43.7	0.0	0.0	4.4	0.0	0.0	48.0
<b>T O T A L</b>	<b>744.8</b>	<b>2603.9</b>	<b>339.5</b>	<b>106.0</b>	<b>4.0</b>	<b>114.7</b>	<b>342.3</b>	<b>151.0</b>	<b>4406.3</b>

\* Total consumption data have not been adjusted to account for interprovincial and international movement of feeder cattle and will not equal consumption data found in Text TABLE 3 and Appendix 6.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 7.0

**TOTAL GRAINS AND OILSEEDS CONSUMPTION BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 ('000 tonnes)**

	— BRITISH COLUMBIA —								Total Grains & Oilseeds Cons- umption
	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy- bean Meal	Canola Meal	Mill Feeds & Screen	
BEEF CATTLE	0.0	73.4	0.0	0.0	0.0	0.8	4.1	10.9	89.2
Beef Cows	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	3.5
Beef Heifers for H.R. $\geq 1$ yr	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5
Steers, S. and F. Heifers*	0.0	58.0	0.0	0.0	0.0	0.0	3.5	8.2	69.7
Short-keeps*	0.0	9.9	0.0	0.0	0.0	0.0	0.5	1.3	11.7
Long-keeps*	0.0	48.1	0.0	0.0	0.0	0.0	2.9	6.9	57.9
Veal Calves*	0.0	8.5	0.0	0.0	0.0	0.7	0.7	2.6	12.5
Beef Bulls $\geq 1$ yr	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Beef Bull Calves $\leq 1$ yr	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Beef Heifer Calves $\leq 1$ yr	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
DAIRY CATTLE	0.0	136.3	0.0	0.0	0.0	0.0	43.5	42.1	221.9
Dairy Cows	0.0	122.7	0.0	0.0	0.0	0.0	40.3	40.3	203.3
Dairy Heifers for H.R. $\geq 1$ yr	0.0	7.3	0.0	0.0	0.0	0.0	1.3	0.0	8.6
Dairy Bulls $\geq 1$ yr	0.0	0.4	0.0	0.0	0.0	0.0	0.1	0.1	0.5
Other Dairy Calves $\leq 1$ yr	0.0	6.1	0.0	0.0	0.0	0.0	1.9	1.6	9.6
SHEEP AND LAMBS	0.0	3.0	0.1	0.0	0.0	0.0	0.2	0.2	3.4
Ewes and Wethers	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5
Rams	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lambs*	0.0	1.5	0.1	0.0	0.0	0.0	0.2	0.2	1.9
Breeding Lambs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HOGS	19.2	70.8	0.0	0.0	0.0	11.2	2.3	12.3	115.9
Sows and Bred Gilts	3.8	15.9	0.0	0.0	0.0	0.3	0.2	3.4	23.5
Boars $\geq 6$ mnths	0.2	0.9	0.0	0.0	0.0	0.0	0.0	0.2	1.3
All Other Pigs*	15.2	53.5	0.0	0.0	0.0	10.9	2.2	8.7	90.5
LAYERS	46.3	23.5	0.0	0.0	0.0	1.2	2.8	0.6	74.4
CHICKENS*	19.4	110.9	0.0	0.0	0.0	26.8	0.0	1.4	158.6
TURKEYS*	25.1	0.0	0.0	0.0	0.0	6.4	2.1	1.0	34.6
HORSES	0.0	1.3	2.4	0.0	0.1	0.0	0.0	0.7	4.5
<b>T O T A L</b>	<b>110.1</b>	<b>419.3</b>	<b>2.5</b>	<b>0.0</b>	<b>0.1</b>	<b>46.4</b>	<b>54.9</b>	<b>69.3</b>	<b>702.5</b>

\* Total consumption data have not been adjusted to account for interprovincial and international movement of feeder cattle and will not equal consumption data found in Text TABLE 3 and Appendix 6.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 7.0

**TOTAL GRAINS AND OILSEEDS CONSUMPTION BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1992 ('000 tonnes)**

**- CANADA -**

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	192.1	2899.3	663.7	183.4	585.1	78.6	270.7	148.5	5021.4
Beef Cows	46.6	532.4	198.2	42.7	15.5	11.7	42.7	42.7	932.6
Beef Heifers for H.R. $\geq 1$ yr	10.2	119.3	90.7	5.9	15.4	0.7	16.1	11.7	270.0
Steers, S. and F. Heifers*	127.3	2099.0	287.1	124.6	422.5	35.2	195.0	70.4	3361.2
Short-keeps*	35.8	532.2	140.2	58.3	161.7	15.4	28.7	28.7	1001.0
Long-keeps*	91.0	1567.0	148.3	64.0	259.5	20.2	166.8	42.1	2358.9
Veal Calves*	0.0	10.0	1.0	0.0	122.7	22.4	1.0	4.0	161.1
Beef Bulls $> 1$ yr	1.5	30.8	11.1	2.1	1.5	0.0	2.8	2.8	52.5
Beef Bull Calves $\leq 1$ yr	0.0	11.8	10.1	0.7	0.7	0.9	1.1	0.3	25.7
Beef Heifer Calves $\leq 1$ yr	7.2	91.3	68.5	3.9	4.6	6.5	8.5	12.4	202.8
DAIRY CATTLE	58.8	1048.3	426.2	78.4	1205.1	409.0	129.8	200.8	3556.4
Dairy Cows	56.6	883.2	322.7	70.7	1031.1	331.7	102.8	135.0	2933.8
Dairy Heifers for H.R. $\geq 1$ yr	1.8	90.9	60.0	5.3	110.5	44.5	13.7	33.9	360.5
Dairy Bulls $\geq 1$ yr	0.0	2.0	1.0	0.2	1.0	0.6	0.2	0.6	5.7
Other Dairy Calves $\leq 1$ yr	1.1	72.8	40.8	2.2	62.3	34.2	13.8	30.9	258.1
SHEEP AND LAMBS	3.0	31.6	20.7	7.9	4.9	4.9	2.0	2.0	77.0
Ewes and Wethers	1.6	11.3	11.7	5.1	1.6	0.8	1.2	0.4	33.5
Rams	0.1	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.9
Lambs*	1.0	15.7	6.9	3.4	3.4	3.4	1.0	1.0	35.9
Breeding Lambs	0.4	4.2	1.4	0.3	0.1	0.6	0.3	0.3	7.4
HOGS	1089.5	1521.9	51.9	0.0	1919.7	622.6	259.4	380.5	5845.5
Sows and Bred Gilts	178.0	408.9	34.5	0.0	261.1	111.1	45.3	87.4	1126.5
Boars $\geq 6$ mnths	7.7	28.4	2.0	0.0	12.9	6.1	2.5	4.1	63.6
All Other Pigs*	904.2	1098.0	16.1	0.0	1647.0	516.7	209.9	290.6	4682.6
LAYERS	199.2	74.7	0.0	0.0	232.4	80.9	8.3	18.7	616.3
CHICKENS*	155.8	233.8	0.0	0.0	584.4	233.8	0.0	39.0	1246.7
TURKEYS*	113.2	0.0	0.0	0.0	154.9	73.5	6.0	15.9	365.4
HORSES	0.0	11.0	135.7	0.0	23.5	14.2	0.0	0.7	185.2
<b>TOTAL</b>	<b>1811.7</b>	<b>5820.6</b>	<b>1298.2</b>	<b>269.7</b>	<b>4710.0</b>	<b>1517.6</b>	<b>676.2</b>	<b>806.0</b>	<b>16914.0</b>

\* Total consumption data have not been adjusted to account for interprovincial and international movement of feeder cattle and will not equal consumption data found in Text TABLE 3 and Appendix 6.

Source: *Livestock Feed Usage Study, Statistics Canada*.



# **1991 TABLES**



**TEXT TABLE 1.** Grains and Oilseeds Consumption Per Animal, Canada and Provinces, 1991

CLASS OF LIVESTOCK AND POULTRY	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	CANADA
— tonnes per head —											
BEEF CATTLE	0.568	0.536	0.350	0.376	0.341	0.559	0.392	0.451	0.710	0.228	0.556
DAIRY CATTLE	2.246	1.536	1.216	1.576	1.431	1.370	1.616	1.383	1.303	1.700	1.420
SHEEP AND LAMBS	0.044	0.083	0.037	0.043	0.081	0.072	0.084	0.137	0.092	0.042	0.079
HOGS	0.320	0.311	0.292	0.325	0.318	0.366	0.319	0.363	0.367	0.301	0.342
LAYERS	0.0257	0.0294	0.0271	0.0257	0.0352	0.0340	0.0396	0.0330	0.0391	0.0355	0.0347
CHICKENS	0.0028	0.0034	0.0030	0.0035	0.0033	0.0032	0.0031	0.0035	0.0031	0.0030	0.0032
TURKEYS	0.0000	0.0130	0.0093	0.0095	0.0141	0.0211	0.0200	0.0193	0.0213	0.0185	0.0182
HORSES	0.346	0.346	0.346	0.346	0.860	0.829	0.504	0.415	0.440	0.113	0.518

Source: *Livestock Feed Usage Study, Statistics Canada***TEXT TABLE 2.** Livestock and Poultry Populations, Canada and Provinces, 1991

CLASS OF LIVESTOCK AND POULTRY	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	CANADA
— '000 head —											
BEEF CATTLE	4.5	49.9	67.3	55.6	631.6	1437.2	652.9	1416.6	3538.0	402.1	8255.7
DAIRY CATTLE	6.6	35.1	69.2	44.4	985.5	918.2	102.3	76.0	194.2	136.6	2568.2
SHEEP AND LAMBS	8.2	3.1	27.2	9.0	154.4	346.8	40.6	70.6	282.6	82.8	1025.3
HOGS	29.8	184.4	236.5	125.7	4915.9	4565.2	2354.5	1152.3	2575.3	408.3	16547.9
LAYERS	381.0	134.0	885.0	496.0	3585.0	7756.0	2342.0	940.0	1881.0	2602.0	21002.0
CHICKENS	5514.0	1496.0	13761.0	10085.0	112657.0	135576.0	17685.0	11486.0	35334.0	50130.0	393724.0
TURKEYS	0.0	4.0	788.0	550.0	4745.0	8041.0	1368.0	759.0	1627.0	1993.0	19875.0
HORSES	0.3	1.9	3.0	3.1	25.8	75.1	44.1	53.8	109.2	39.8	356.1

Source: *Livestock Feed Usage Study, Statistics Canada***TEXT TABLE 3.** Total Grains and Oilseeds Consumption by Class of Livestock and Poultry, Canada and Provinces, 1991

CLASS OF LIVESTOCK AND POULTRY	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	CANADA
— '000 tonnes —											
BEEF CATTLE (1)	2.5	26.7	23.5	20.9	215.3	759.9	348.3	668.2	2504.8	129.3	4699.6
DAIRY CATTLE	14.9	53.8	84.2	70.1	1411.1	1256.5	165.4	105.0	252.7	232.3	3646.1
SHEEP AND LAMBS	0.4	0.3	1.0	0.4	12.6	24.4	3.3	9.7	25.9	3.5	81.4
HOGS	9.6	57.6	69.3	40.7	1561.7	1675.7	750.1	417.4	943.5	123.2	5648.7
LAYERS	9.8	3.9	24.0	12.7	126.3	263.4	92.7	31.0	73.6	92.3	729.8
CHICKENS	15.4	5.1	41.9	35.1	372.1	437.5	55.5	39.7	108.7	151.2	1262.3
TURKEYS	0.0	0.1	7.4	5.2	66.9	169.7	27.3	14.6	34.6	36.9	362.7
HORSES	0.1	0.7	1.0	1.1	22.2	62.3	22.2	22.3	48.0	4.5	184.4
TOTAL	52.6	148.2	252.3	186.2	3788.1	4649.4	1464.9	1308.0	3991.9	773.3	16614.9

Source: *Livestock Feed Usage Study, Statistics Canada*

(1) Total grains and oilseeds consumption by Feeder Steers and Heifers has been adjusted to compensate for grains and oilseeds intake by these animals prior to interprovincial movement and/or international export.



**DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1991 (tonnes)**

— NEWFOUNDLAND —

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.000	0.397	0.130	0.000	0.019	0.021	0.000	0.001	0.568
Beef Cows	0.000	0.061	0.049	0.000	0.000	0.000	0.000	0.000	0.110
Beef Heifers for H.R. $\geq$ 1 yr	0.000	0.215	0.139	0.008	0.000	0.000	0.000	0.000	0.362
Steers, S. and F. Heifers*	0.000	0.609	0.180	0.000	0.029	0.033	0.000	0.000	0.851
Short-keeps*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Long-keeps*	0.000	0.609	0.180	0.000	0.029	0.033	0.000	0.000	0.851
Veal Calves*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beef Bulls $\geq$ 1 yr	0.000	0.261	0.189	0.000	0.000	0.013	0.000	0.000	0.463
Beef Bull Calves $\leq$ 1 yr	0.055	0.210	0.055	0.000	0.158	0.041	0.024	0.105	0.648
Beef Heifer Calves $\leq$ 1 yr	0.000	0.165	0.131	0.000	0.009	0.013	0.000	0.000	0.318
DAIRY CATTLE	0.201	0.680	0.286	0.000	0.515	0.135	0.109	0.320	2.246
Dairy Cows	0.261	0.870	0.377	0.000	0.667	0.174	0.145	0.406	2.900
Dairy Heifers for H.R. $\geq$ 1 yr	0.090	0.310	0.110	0.000	0.220	0.060	0.040	0.170	1.000
Dairy Bulls $\geq$ 1 yr	0.000	0.354	0.223	0.000	0.000	0.013	0.000	0.000	0.590
Other Dairy Calves $\leq$ 1 yr	0.055	0.210	0.055	0.000	0.158	0.041	0.024	0.105	0.648
SHEEP AND LAMBS	0.004	0.020	0.012	0.000	0.006	0.002	0.000	0.000	0.044
Ewes and Wethers	0.004	0.021	0.014	0.000	0.005	0.001	0.000	0.000	0.045
Rams	0.005	0.016	0.009	0.000	0.005	0.001	0.000	0.000	0.036
Lambs*	0.002	0.014	0.007	0.000	0.005	0.004	0.000	0.000	0.032
Breeding Lambs	0.008	0.039	0.017	0.000	0.015	0.003	0.000	0.000	0.082
HOGS	0.021	0.140	0.024	0.000	0.089	0.031	0.008	0.007	0.320
Sows and Bred Gilts	0.083	0.387	0.117	0.000	0.289	0.106	0.020	0.013	1.015
Boars $\geq$ 6 mnths	0.063	0.316	0.092	0.000	0.234	0.082	0.016	0.011	0.814
All Other Pigs*	0.017	0.123	0.017	0.000	0.075	0.026	0.007	0.007	0.272
LAYERS	0.0035	0.0000	0.0000	0.0000	0.0158	0.0053	0.0000	0.0011	0.0257
CHICKENS*	0.0004	0.0000	0.0000	0.0000	0.0019	0.0005	0.0000	0.0001	0.0028
TURKEYS*	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HORSES	0.000	0.000	0.346	0.000	0.000	0.000	0.000	0.000	0.346

\* These coefficients represent intake per animal output in 1991. The remainder represent intake per inventory animal in 1991.

Source: *Livestock Feed Usage Study, Statistics Canada*.



**DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1991 (tonnes)**

**- PRINCE EDWARD ISLAND -**

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.000	0.364	0.172	0.000	0.000	0.000	0.000	0.000	0.536
Beef Cows	0.000	0.012	0.012	0.000	0.000	0.000	0.000	0.000	0.024
Beef Heifers for H.R. $\geq$ 1 yr	0.000	0.137	0.137	0.000	0.000	0.000	0.000	0.000	0.274
Steers, S. and F. Heifers*	0.000	0.566	0.243	0.000	0.000	0.000	0.000	0.000	0.809
Short-keeps*	0.000	0.427	0.183	0.000	0.000	0.000	0.000	0.000	0.610
Long-keeps*	0.000	0.566	0.243	0.000	0.000	0.000	0.000	0.000	0.809
Veal Calves*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beef Bulls $\geq$ 1 yr	0.000	0.171	0.171	0.000	0.000	0.000	0.000	0.000	0.342
Beef Bull Calves $\leq$ 1 yr	0.000	0.239	0.239	0.000	0.000	0.000	0.000	0.000	0.478
Beef Heifer Calves $\leq$ 1 yr	0.000	0.211	0.211	0.000	0.000	0.000	0.000	0.000	0.422
DAIRY CATTLE	0.000	1.125	0.124	0.000	0.059	0.228	0.000	0.000	1.536
Dairy Cows	0.000	1.674	0.135	0.000	0.113	0.333	0.000	0.000	2.255
Dairy Heifers for H.R. $\geq$ 1 yr	0.000	0.510	0.110	0.000	0.000	0.110	0.000	0.000	0.730
Dairy Bulls $\geq$ 1 yr	0.000	0.510	0.110	0.000	0.000	0.110	0.000	0.000	0.730
Other Dairy Calves $\leq$ 1 yr	0.000	0.541	0.115	0.000	0.000	0.115	0.000	0.000	0.771
SHEEP AND LAMBS	0.000	0.043	0.037	0.003	0.000	0.000	0.000	0.000	0.083
Ewes and Wethers	0.000	0.045	0.041	0.005	0.000	0.000	0.000	0.000	0.091
Rams	0.000	0.040	0.030	0.000	0.000	0.000	0.000	0.000	0.070
Lambs*	0.000	0.050	0.040	0.000	0.000	0.000	0.000	0.000	0.090
Breeding Lambs	0.000	0.005	0.004	0.000	0.000	0.000	0.000	0.000	0.009
HOGS	0.036	0.175	0.042	0.000	0.036	0.022	0.000	0.000	0.311
Sows and Bred Gilts	0.150	0.410	0.240	0.000	0.150	0.070	0.000	0.000	1.020
Boars $\geq$ 6 mnths	0.100	0.300	0.170	0.000	0.100	0.040	0.000	0.000	0.710
All Other Pigs*	0.028	0.158	0.028	0.000	0.028	0.019	0.000	0.000	0.260
LAYERS	0.0040	0.0000	0.0000	0.0000	0.0181	0.0060	0.0000	0.0013	0.0294
CHICKENS*	0.0004	0.0000	0.0000	0.0000	0.0023	0.0006	0.0000	0.0001	0.0034
TURKEYS*	0.0017	0.0000	0.0000	0.0000	0.0079	0.0027	0.0000	0.0007	0.0130
HORSES	0.000	0.000	0.346	0.000	0.000	0.000	0.000	0.000	0.346

\* These coefficients represent intake per animal output in 1991. The remainder represent intake per inventory animal in 1991.

Source: *Livestock Feed Usage Study, Statistics Canada.*



**DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1991 (tonnes)**

- NOVA SCOTIA -

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.000	0.236	0.096	0.000	0.000	0.018	0.000	0.000	0.350
Beef Cows	0.000	0.040	0.030	0.000	0.000	0.000	0.000	0.000	0.070
Beef Heifers for H.R. $\geq$ 1 yr	0.000	0.135	0.135	0.000	0.000	0.000	0.000	0.000	0.270
Steers, S. and F. Heifers*	0.000	0.600	0.150	0.000	0.000	0.050	0.000	0.000	0.800
Short-keeps*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Long-keeps*	0.000	0.600	0.150	0.000	0.000	0.050	0.000	0.000	0.800
Veal Calves*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beef Bulls $\geq$ 1 yr	0.000	0.370	0.350	0.000	0.000	0.030	0.000	0.000	0.750
Beef Bull Calves $\leq$ 1 yr	0.000	0.170	0.170	0.000	0.000	0.020	0.000	0.000	0.360
Beef Heifer Calves $\leq$ 1 yr	0.000	0.170	0.170	0.000	0.000	0.020	0.000	0.000	0.360
DAIRY CATTLE	0.105	0.329	0.107	0.000	0.315	0.067	0.061	0.232	1.216
Dairy Cows	0.200	0.600	0.200	0.000	0.600	0.120	0.120	0.410	2.250
Dairy Heifers for H.R. $\geq$ 1 yr	0.040	0.140	0.040	0.000	0.120	0.030	0.020	0.110	0.500
Dairy Bulls $\geq$ 1 yr	0.000	0.371	0.351	0.000	0.000	0.028	0.000	0.000	0.750
Other Dairy Calves $\leq$ 1 yr	0.040	0.140	0.040	0.000	0.120	0.030	0.020	0.110	0.500
SHEEP AND LAMBS	0.004	0.017	0.008	0.000	0.006	0.002	0.000	0.000	0.037
Ewes and Wethers	0.005	0.016	0.008	0.000	0.006	0.001	0.000	0.000	0.036
Rams	0.005	0.016	0.008	0.000	0.006	0.001	0.000	0.000	0.036
Lambs*	0.002	0.010	0.004	0.000	0.004	0.003	0.000	0.000	0.023
Breeding Lambs	0.010	0.047	0.019	0.000	0.018	0.003	0.000	0.000	0.097
HOGS	0.093	0.102	0.000	0.000	0.048	0.049	0.000	0.000	0.292
Sows and Bred Gilts	0.400	0.400	0.000	0.000	0.000	0.160	0.000	0.000	0.960
Boars $\geq$ 6 mnths	0.400	0.400	0.000	0.000	0.000	0.160	0.000	0.000	0.960
All Other Pigs*	0.076	0.085	0.000	0.000	0.051	0.043	0.000	0.000	0.255
LAYERS	0.0037	0.0000	0.0000	0.0000	0.0167	0.0056	0.0000	0.0012	0.0271
CHICKENS*	0.0004	0.0000	0.0000	0.0000	0.0020	0.0006	0.0000	0.0001	0.0030
TURKEYS*	0.0012	0.0000	0.0000	0.0000	0.0056	0.0020	0.0000	0.0005	0.0093
HORSES	0.000	0.000	0.346	0.000	0.000	0.000	0.000	0.000	0.346

\* These coefficients represent intake per animal output in 1991. The remainder represent intake per inventory animal in 1991.

Source: *Livestock Feed Usage Study, Statistics Canada.*



## APPENDIX 3.0

**DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1991 (tonnes)**

**- NEW BRUNSWICK -**

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.000	0.258	0.100	0.000	0.000	0.018	0.000	0.000	0.376
Beef Cows	0.000	0.080	0.062	0.000	0.000	0.000	0.000	0.000	0.142
Beef Heifers for H.R. > 1 yr	0.000	0.142	0.142	0.000	0.000	0.000	0.000	0.000	0.284
Steers, S. and F. Heifers*	0.000	0.592	0.150	0.000	0.000	0.048	0.000	0.000	0.790
Short-keeps*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Long-keeps*	0.000	0.592	0.150	0.000	0.000	0.048	0.000	0.000	0.790
Veal Calves*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beef Bulls > 1 yr	0.000	0.070	0.067	0.000	0.000	0.005	0.000	0.000	0.142
Beef Bull Calves < 1 yr	0.000	0.099	0.099	0.000	0.000	0.012	0.000	0.000	0.210
Beef Heifer Calves < 1 yr	0.000	0.099	0.099	0.000	0.000	0.012	0.000	0.000	0.210
DAIRY CATTLE	0.138	0.430	0.139	0.000	0.415	0.082	0.075	0.297	1.576
Dairy Cows	0.212	0.637	0.212	0.000	0.637	0.118	0.118	0.425	2.359
Dairy Heifers for H.R. > 1 yr	0.056	0.196	0.056	0.000	0.168	0.042	0.028	0.154	0.700
Dairy Bulls > 1 yr	0.000	0.157	0.150	0.000	0.000	0.013	0.000	0.000	0.320
Other Dairy Calves < 1 yr	0.060	0.210	0.060	0.000	0.180	0.045	0.030	0.165	0.750
SHEEP AND LAMBS	0.005	0.019	0.009	0.000	0.007	0.003	0.000	0.000	0.043
Ewes and Wethers	0.005	0.014	0.007	0.000	0.005	0.001	0.000	0.000	0.032
Rams	0.005	0.014	0.007	0.000	0.005	0.001	0.000	0.000	0.032
Lambs*	0.005	0.025	0.010	0.000	0.010	0.007	0.000	0.000	0.057
Breeding Lambs	0.006	0.027	0.011	0.000	0.011	0.002	0.000	0.000	0.057
HOGS	0.033	0.059	0.000	0.000	0.171	0.062	0.000	0.000	0.325
Sows and Bred Gilts	0.496	0.496	0.000	0.000	0.000	0.188	0.000	0.000	1.180
Boars > 6 mnths	0.353	0.353	0.000	0.000	0.000	0.134	0.000	0.000	0.840
All Other Pigs*	0.000	0.028	0.000	0.000	0.183	0.053	0.000	0.000	0.264
LAYERS	0.0035	0.0000	0.0000	0.0000	0.0158	0.0053	0.0000	0.0011	0.0257
CHICKENS*	0.0004	0.0000	0.0000	0.0000	0.0023	0.0007	0.0000	0.0001	0.0035
TURKEYS*	0.0013	0.0000	0.0000	0.0000	0.0058	0.0020	0.0000	0.0005	0.0095
HORSES	0.000	0.000	0.346	0.000	0.000	0.000	0.000	0.000	0.346

\* These coefficients represent intake per animal output in 1991. The remainder represent intake per inventory animal in 1991.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 3.0

## DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1991 (tonnes)

## - QUEBEC -

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.011	0.040	0.025	0.000	0.209	0.034	0.000	0.022	0.341
Beef Cows	0.000	0.014	0.014	0.000	0.000	0.000	0.000	0.000	0.028
Beef Heifers for H.R. $\geq$ 1 yr	0.000	0.057	0.057	0.000	0.122	0.019	0.000	0.114	0.369
Steers, S. and F. Heifers*	0.070	0.140	0.043	0.000	0.748	0.029	0.000	0.029	1.059
Short-keeps*	0.352	0.687	0.203	0.000	0.006	0.028	0.000	0.003	1.279
Long-keeps*	0.000	0.003	0.003	0.000	0.934	0.029	0.000	0.036	1.005
Veal Calves*	0.000	0.012	0.012	0.000	0.192	0.058	0.000	0.012	0.286
Beef Bulls $\geq$ 1 yr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beef Bull Calves $\leq$ 1 yr	0.000	0.063	0.063	0.000	0.114	0.079	0.000	0.063	0.382
Beef Heifer Calves $\leq$ 1 yr	0.000	0.063	0.063	0.000	0.114	0.080	0.000	0.063	0.383
DAIRY CATTLE	0.009	0.262	0.160	0.000	0.634	0.249	0.000	0.117	1.431
Dairy Cows	0.018	0.390	0.196	0.000	1.000	0.344	0.000	0.113	2.061
Dairy Heifers for H.R. $\geq$ 1 yr	0.000	0.131	0.131	0.000	0.267	0.148	0.000	0.131	0.808
Dairy Bulls $\geq$ 1 yr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Other Dairy Calves $\leq$ 1 yr	0.000	0.117	0.117	0.000	0.211	0.147	0.000	0.117	0.709
SHEEP AND LAMBS	0.000	0.041	0.029	0.000	0.004	0.004	0.000	0.003	0.081
Ewes and Wethers	0.000	0.055	0.038	0.000	0.001	0.003	0.000	0.002	0.098
Rams	0.000	0.082	0.056	0.000	0.000	0.000	0.000	0.000	0.138
Lambs*	0.000	0.026	0.019	0.000	0.005	0.004	0.000	0.004	0.058
Breeding Lambs	0.000	0.061	0.044	0.000	0.010	0.009	0.000	0.007	0.131
HOGS	0.025	0.041	0.010	0.000	0.166	0.032	0.002	0.042	0.318
Sows and Bred Gilts	0.000	0.000	0.158	0.000	0.402	0.109	0.032	0.315	1.015
Boars $\geq$ 6 mnths	0.150	0.000	0.150	0.000	0.348	0.075	0.000	0.240	0.963
All Other Pigs*	0.026	0.043	0.000	0.000	0.151	0.027	0.000	0.025	0.273
LAYERS	0.0048	0.0000	0.0000	0.0000	0.0216	0.0072	0.0000	0.0015	0.0352
CHICKENS*	0.0004	0.0000	0.0000	0.0000	0.0022	0.0006	0.0000	0.0001	0.0033
TURKEYS*	0.0019	0.0000	0.0000	0.0000	0.0086	0.0030	0.0000	0.0007	0.0141
HORSES	0.176	0.000	0.665	0.000	0.003	0.014	0.000	0.002	0.860

\* These coefficients represent intake per animal output in 1991. The remainder represent intake per inventory animal in 1991.

Source: *Livestock Feed Usage Study, Statistics Canada.*



## APPENDIX 3.0

## DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1991 (tonnes)

## - ONTARIO -

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.012	0.094	0.082	0.040	0.287	0.037	0.003	0.004	0.559
Beef Cows	0.025	0.081	0.077	0.000	0.037	0.025	0.000	0.000	0.245
Beef Heifers for H.R. $\geq$ 1 yr	0.050	0.149	0.149	0.000	0.100	0.000	0.050	0.000	0.498
Steers, S. and F. Heifers*	0.000	0.131	0.105	0.096	0.497	0.044	0.000	0.000	0.873
Short-keeps*	0.000	0.107	0.086	0.078	0.407	0.036	0.000	0.000	0.714
Long-keeps*	0.000	0.166	0.133	0.122	0.633	0.055	0.000	0.000	1.109
Veal Calves*	0.000	0.000	0.000	0.000	0.400	0.060	0.000	0.000	0.460
Beef Bulls $\geq$ 1 yr	0.009	0.124	0.124	0.031	0.062	0.000	0.000	0.000	0.350
Beef Bull Calves $<$ 1 yr	0.006	0.075	0.075	0.019	0.037	0.000	0.000	0.000	0.212
Beef Heifer Calves $<$ 1 yr	0.029	0.088	0.088	0.000	0.000	0.029	0.000	0.059	0.293
DAIRY CATTLE	0.004	0.216	0.216	0.074	0.652	0.207	0.000	0.001	1.370
Dairy Cows	0.008	0.394	0.394	0.135	1.192	0.380	0.000	0.000	2.502
Dairy Heifers for H.R. $\geq$ 1 yr	0.001	0.074	0.074	0.025	0.224	0.070	0.000	0.000	0.469
Dairy Bulls $\geq$ 1 yr	0.000	0.200	0.150	0.050	0.220	0.120	0.020	0.100	0.860
Other Dairy Calves $<$ 1 yr	0.001	0.025	0.025	0.009	0.075	0.020	0.000	0.000	0.154
SHEEP AND LAMBS	0.001	0.016	0.016	0.021	0.013	0.005	0.000	0.000	0.072
Ewes and Wethers	0.002	0.027	0.027	0.036	0.011	0.001	0.000	0.000	0.104
Rams	0.000	0.007	0.007	0.009	0.000	0.000	0.000	0.000	0.023
Lambs*	0.000	0.010	0.010	0.013	0.016	0.009	0.000	0.000	0.058
Breeding Lambs	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
HOGS	0.000	0.031	0.008	0.000	0.218	0.049	0.017	0.043	0.366
Sows and Bred Gilts	0.000	0.275	0.110	0.000	0.484	0.187	0.061	0.034	1.151
Boars $\geq$ 6 mnths	0.000	0.228	0.091	0.000	0.401	0.155	0.050	0.029	0.954
All Other Pigs*	0.000	0.013	0.000	0.000	0.198	0.039	0.014	0.044	0.308
LAYERS	0.0047	0.0000	0.0000	0.0000	0.0209	0.0070	0.0000	0.0015	0.0340
CHICKENS*	0.0004	0.0000	0.0000	0.0000	0.0021	0.0006	0.0000	0.0001	0.0032
TURKEYS*	0.0028	0.0000	0.0000	0.0000	0.0128	0.0045	0.0000	0.0011	0.0211
HORSES	0.000	0.083	0.539	0.000	0.124	0.083	0.000	0.000	0.829

\* These coefficients represent intake per animal output in 1991. The remainder represent intake per inventory animal in 1991.

Source: *Livestock Feed Usage Study, Statistics Canada*.



**DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1991 (tonnes)**

— MANITOBA —

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.000	0.174	0.185	0.033	0.000	0.000	0.000	0.000	0.392
Beef Cows	0.000	0.000	0.218	0.054	0.000	0.000	0.000	0.000	0.272
Beef Heifers for H.R. $\geq$ 1 yr	0.000	0.239	0.102	0.000	0.000	0.000	0.000	0.000	0.341
Steers, S. and F. Heifers*	0.000	0.756	0.190	0.000	0.000	0.000	0.000	0.000	0.946
Short-keeps*	0.000	0.654	0.164	0.000	0.000	0.000	0.000	0.000	0.818
Long-keeps*	0.000	0.994	0.249	0.000	0.000	0.000	0.000	0.000	1.243
Veal Calves*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beef Bulls $\geq$ 1 yr	0.000	0.273	0.000	0.000	0.000	0.000	0.000	0.000	0.273
Beef Bull Calves $<$ 1 yr	0.000	1.031	0.242	0.000	0.000	0.000	0.000	0.000	1.273
Beef Heifer Calves $\leq$ 1 yr	0.000	0.263	0.112	0.000	0.000	0.000	0.000	0.000	0.375
DAIRY CATTLE	0.000	1.245	0.015	0.000	0.073	0.037	0.210	0.036	1.616
Dairy Cows	0.000	1.902	0.000	0.000	0.136	0.067	0.340	0.067	2.512
Dairy Heifers for H.R. $>$ 1 yr	0.000	0.560	0.030	0.000	0.000	0.000	0.070	0.000	0.660
Dairy Bulls $\geq$ 1 yr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Other Dairy Calves $\leq$ 1 yr	0.000	0.415	0.036	0.000	0.000	0.004	0.050	0.000	0.505
SHEEP AND LAMBS	0.004	0.050	0.025	0.002	0.000	0.002	0.001	0.000	0.084
Ewes and Wethers	0.002	0.029	0.014	0.001	0.000	0.001	0.001	0.000	0.048
Rams	0.002	0.023	0.011	0.001	0.000	0.001	0.001	0.000	0.039
Lambs*	0.005	0.066	0.033	0.002	0.000	0.002	0.001	0.000	0.109
Breeding Lambs	0.005	0.066	0.033	0.002	0.000	0.002	0.001	0.000	0.109
HOGS	0.099	0.169	0.000	0.000	0.000	0.041	0.010	0.000	0.319
Sows and Bred Gilts	0.191	0.674	0.000	0.000	0.000	0.058	0.022	0.000	0.945
Boars $\geq$ 6 mnths	0.058	0.718	0.000	0.000	0.000	0.058	0.006	0.000	0.840
All Other Pigs*	0.093	0.136	0.000	0.000	0.000	0.040	0.009	0.000	0.278
LAYERS	0.0246	0.0125	0.0000	0.0000	0.0000	0.0006	0.0015	0.0003	0.0396
CHICKENS*	0.0004	0.0022	0.0000	0.0000	0.0000	0.0005	0.0000	0.0000	0.0031
TURKEYS*	0.0145	0.0000	0.0000	0.0000	0.0000	0.0037	0.0012	0.0006	0.0200
HORSES	0.000	0.000	0.464	0.000	0.000	0.040	0.000	0.000	0.504

\* These coefficients represent intake per animal output in 1991. The remainder represent intake per inventory animal in 1991.

Source: *Livestock Feed Usage Study, Statistics Canada*.



**DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1991 (tonnes)**

— SASKATCHEWAN —

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.016	0.357	0.078	0.000	0.000	0.000	0.000	0.000	0.451
Beef Cows	0.015	0.255	0.030	0.000	0.000	0.000	0.000	0.000	0.300
Beef Heifers for H.R. $\geq$ 1 yr	0.000	0.146	0.218	0.000	0.000	0.000	0.000	0.000	0.364
Steers, S. and F. Heifers*	0.052	1.268	0.089	0.000	0.000	0.000	0.000	0.000	1.409
Short-keeps*	0.000	0.961	0.107	0.000	0.000	0.000	0.000	0.000	1.068
Long-keeps*	0.080	1.434	0.080	0.000	0.000	0.000	0.000	0.000	1.594
Veal Calves*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beef Bulls $\geq$ 1 yr	0.000	0.095	0.095	0.000	0.000	0.000	0.000	0.000	0.190
Beef Bull Calves $<$ 1 yr	0.000	0.155	0.622	0.000	0.000	0.000	0.000	0.000	0.777
Beef Heifer Calves $\leq$ 1 yr	0.000	0.127	0.190	0.000	0.000	0.000	0.000	0.000	0.317
DAIRY CATTLE	0.033	0.944	0.327	0.005	0.004	0.026	0.035	0.009	1.383
Dairy Cows	0.057	1.343	0.346	0.000	0.006	0.021	0.036	0.015	1.824
Dairy Heifers for H.R. $\geq$ 1 yr	0.000	0.498	0.498	0.000	0.000	0.000	0.000	0.000	0.996
Dairy Bulls $\geq$ 1 yr	0.000	0.170	0.170	0.000	0.000	0.080	0.080	0.080	0.580
Other Dairy Calves $\leq$ 1 yr	0.000	0.264	0.099	0.025	0.000	0.065	0.065	0.000	0.518
SHEEP AND LAMBS	0.000	0.026	0.103	0.000	0.000	0.004	0.004	0.000	0.137
Ewes and Wethers	0.000	0.032	0.128	0.000	0.000	0.000	0.000	0.000	0.160
Rams	0.000	0.020	0.080	0.000	0.000	0.000	0.000	0.000	0.100
Lambs*	0.000	0.015	0.070	0.000	0.000	0.010	0.010	0.000	0.105
Breeding Lambs	0.000	0.024	0.072	0.000	0.000	0.012	0.012	0.000	0.120
HOGS	0.077	0.217	0.004	0.000	0.000	0.040	0.025	0.000	0.363
Sows and Bred Gilts	0.187	0.794	0.000	0.000	0.000	0.134	0.061	0.000	1.176
Boars $\geq$ 6 mnths	0.000	0.744	0.000	0.000	0.000	0.091	0.046	0.000	0.881
All Other Pigs*	0.069	0.168	0.004	0.000	0.000	0.032	0.022	0.000	0.295
LAYERS	0.0205	0.0104	0.0000	0.0000	0.0000	0.0005	0.0013	0.0003	0.0330
CHICKENS*	0.0004	0.0024	0.0000	0.0000	0.0000	0.0006	0.0000	0.0000	0.0035
TURKEYS*	0.0140	0.0000	0.0000	0.0000	0.0000	0.0036	0.0012	0.0006	0.0193
HORSES	0.000	0.000	0.415	0.000	0.000	0.000	0.000	0.000	0.415

\* These coefficients represent intake per animal output in 1991. The remainder represent intake per inventory animal in 1991.

Source: *Livestock Feed Usage Study, Statistics Canada.*



**DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1991 (tonnes)**

— ALBERTA —

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.035	0.491	0.066	0.024	0.000	0.000	0.064	0.030	0.710
Beef Cows	0.013	0.157	0.026	0.013	0.000	0.000	0.026	0.026	0.261
Beef Heifers for H.R. $\geq$ 1 yr	0.020	0.194	0.098	0.020	0.000	0.000	0.039	0.020	0.391
Steers, S. and F. Heifers*	0.071	1.040	0.107	0.039	0.000	0.000	0.124	0.039	1.420
Short-keeps*	0.060	0.780	0.180	0.060	0.000	0.000	0.060	0.060	1.200
Long-keeps*	0.076	1.152	0.076	0.030	0.000	0.000	0.152	0.030	1.516
Veal Calves*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beef Bulls $\geq$ 1 yr	0.015	0.186	0.031	0.015	0.000	0.000	0.031	0.031	0.309
Beef Bull Calves $\leq$ 1 yr	0.000	0.300	0.180	0.030	0.000	0.030	0.060	0.000	0.600
Beef Heifer Calves $\leq$ 1 yr	0.016	0.166	0.082	0.016	0.000	0.000	0.033	0.016	0.329
DAIRY CATTLE	0.087	0.871	0.099	0.065	0.021	0.036	0.089	0.035	1.303
Dairy Cows	0.159	1.369	0.102	0.119	0.038	0.059	0.154	0.064	2.064
Dairy Heifers for H.R. $\geq$ 1 yr	0.000	0.189	0.060	0.000	0.000	0.000	0.000	0.000	0.249
Dairy Bulls $\geq$ 1 yr	0.000	0.339	0.000	0.000	0.000	0.000	0.000	0.000	0.339
Other Dairy Calves $\leq$ 1 yr	0.000	0.358	0.132	0.000	0.000	0.016	0.021	0.000	0.527
SHEEP AND LAMBS	0.007	0.051	0.014	0.004	0.000	0.006	0.006	0.004	0.092
Ewes and Wethers	0.008	0.028	0.017	0.003	0.000	0.003	0.007	0.003	0.069
Rams	0.007	0.034	0.013	0.003	0.000	0.003	0.003	0.003	0.066
Lambs*	0.005	0.063	0.010	0.005	0.000	0.008	0.004	0.005	0.100
Breeding Lambs	0.008	0.102	0.016	0.008	0.000	0.013	0.006	0.008	0.161
HOGS	0.076	0.229	0.004	0.000	0.000	0.027	0.022	0.009	0.367
Sows and Bred Gilts	0.090	0.750	0.000	0.000	0.000	0.050	0.050	0.000	0.940
Boars $\geq$ 6 mnths	0.000	0.850	0.000	0.000	0.000	0.050	0.050	0.000	0.950
All Other Pigs*	0.075	0.185	0.004	0.000	0.000	0.025	0.020	0.010	0.319
LAYERS	0.0243	0.0124	0.0000	0.0000	0.0000	0.0006	0.0015	0.0003	0.0391
CHICKENS*	0.0004	0.0022	0.0000	0.0000	0.0000	0.0005	0.0000	0.0000	0.0031
TURKEYS*	0.0155	0.0000	0.0000	0.0000	0.0000	0.0039	0.0013	0.0006	0.0213
HORSES	0.000	0.000	0.400	0.000	0.000	0.040	0.000	0.000	0.440

\* These coefficients represent intake per animal output in 1991. The remainder represent intake per inventory animal in 1991.

Source: *Livestock Feed Usage Study, Statistics Canada*.



**DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1991 (tonnes)**

**- BRITISH COLUMBIA -**

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.000	0.187	0.000	0.000	0.000	0.002	0.011	0.028	0.228
Beef Cows	0.000	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.014
Beef Heifers for H.R. $\geq$ 1 yr	0.000	0.055	0.000	0.000	0.000	0.000	0.000	0.000	0.055
Steers, S. and F. Heifers*	0.000	1.266	0.000	0.000	0.000	0.000	0.076	0.179	1.521
Short-keeps*	0.000	0.862	0.000	0.000	0.000	0.000	0.047	0.115	1.024
Long-keeps*	0.000	1.400	0.000	0.000	0.000	0.000	0.085	0.200	1.685
Veal Calves*	0.000	0.664	0.000	0.000	0.000	0.051	0.051	0.204	0.970
Beef Bulls $\geq$ 1 yr	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.008
Beef Bull Calves $\leq$ 1 yr	0.000	0.150	0.000	0.000	0.000	0.006	0.006	0.000	0.162
Beef Heifer Calves $\leq$ 1 yr	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.008
DAIRY CATTLE	0.000	1.074	0.000	0.000	0.000	0.000	0.314	0.312	1.700
Dairy Cows	0.000	1.862	0.000	0.000	0.000	0.000	0.543	0.543	2.948
Dairy Heifers for H.R. $\geq$ 1 yr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dairy Bulls $\geq$ 1 yr	0.000	0.429	0.000	0.000	0.000	0.000	0.066	0.132	0.627
Other Dairy Calves $\leq$ 1 yr	0.000	0.238	0.000	0.000	0.000	0.000	0.074	0.064	0.376
SHEEP AND LAMBS	0.000	0.037	0.001	0.000	0.000	0.000	0.002	0.002	0.042
Ewes and Wethers	0.000	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.045
Rams	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.010
Lambs*	0.000	0.040	0.002	0.000	0.000	0.000	0.004	0.004	0.050
Breeding Lambs	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
HOGS	0.050	0.184	0.000	0.000	0.000	0.029	0.006	0.032	0.301
Sows and Bred Gilts	0.174	0.730	0.000	0.000	0.000	0.013	0.008	0.157	1.082
Boars $\geq$ 6 mnths	0.148	0.636	0.000	0.000	0.000	0.000	0.000	0.148	0.932
All Other Pigs*	0.042	0.148	0.000	0.000	0.000	0.030	0.006	0.024	0.250
LAYERS	0.0221	0.0112	0.0000	0.0000	0.0000	0.0006	0.0013	0.0003	0.0355
CHICKENS*	0.0004	0.0021	0.0000	0.0000	0.0000	0.0005	0.0000	0.0000	0.0030
TURKEYS*	0.0134	0.0000	0.0000	0.0000	0.0000	0.0034	0.0011	0.0006	0.0185
HORSES	0.000	0.032	0.060	0.000	0.003	0.000	0.000	0.018	0.113

\* These coefficients represent intake per animal output in 1991. The remainder represent intake per inventory animal in 1991.

Source: *Livestock Feed Usage Study, Statistics Canada.*



**DETAILED GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1991 (tonnes)**

— CANADA —

	Wheat	Barley	Oats	Other Small Grains	Grain Corn	Soy-bean Meal	Canola Meal	Mill Feeds & Screen	Total Grains & Oilseeds Consumption
BEEF CATTLE	0.021	0.320	0.075	0.020	0.066	0.009	0.028	0.017	0.556
Beef Cows	0.012	0.137	0.051	0.011	0.004	0.003	0.011	0.011	0.240
Beef Heifers for H.R. $\geq$ 1 yr	0.015	0.163	0.124	0.008	0.021	0.001	0.022	0.015	0.369
Steers, S. and F. Heifers*	0.046	0.776	0.106	0.045	0.153	0.013	0.069	0.026	1.234
Short-keeps*	0.034	0.521	0.135	0.056	0.158	0.015	0.026	0.027	0.972
Long-keeps*	0.053	0.932	0.088	0.038	0.151	0.012	0.096	0.025	1.395
Veal Calves*	0.000	0.026	0.006	0.000	0.266	0.055	0.002	0.012	0.367
Beef Bulls $\geq$ 1 yr	0.007	0.146	0.052	0.010	0.007	0.000	0.013	0.013	0.248
Beef Bull Calves $\leq$ 1 yr	0.001	0.269	0.232	0.015	0.017	0.021	0.024	0.007	0.586
Beef Heifer Calves $\leq$ 1 yr	0.011	0.136	0.103	0.006	0.008	0.011	0.013	0.020	0.308
DAIRY CATTLE	0.018	0.412	0.164	0.032	0.499	0.181	0.036	0.078	1.420
Dairy Cows	0.033	0.679	0.241	0.055	0.831	0.281	0.064	0.102	2.286
Dairy Heifers for H.R. $\geq$ 1 yr	0.003	0.139	0.098	0.009	0.190	0.084	0.004	0.056	0.583
Dairy Bulls $\geq$ 1 yr	0.000	0.111	0.054	0.013	0.056	0.035	0.010	0.033	0.312
Other Dairy Calves $\leq$ 1 yr	0.002	0.126	0.070	0.004	0.115	0.069	0.009	0.052	0.447
SHEEP AND LAMBS	0.003	0.033	0.022	0.008	0.005	0.004	0.002	0.002	0.079
Ewes and Wethers	0.003	0.033	0.032	0.012	0.004	0.002	0.002	0.001	0.089
Rams	0.002	0.027	0.022	0.004	0.000	0.001	0.001	0.001	0.058
Lambs*	0.002	0.031	0.014	0.006	0.007	0.007	0.002	0.002	0.071
Breeding Lambs	0.003	0.047	0.019	0.003	0.002	0.007	0.003	0.004	0.088
HOGS	0.042	0.104	0.007	0.000	0.112	0.038	0.012	0.027	0.342
Sows and Bred Gilts	0.070	0.391	0.078	0.000	0.252	0.115	0.043	0.099	1.048
Boars $\geq$ 6 mnths	0.050	0.431	0.062	0.000	0.199	0.093	0.031	0.063	0.929
All Other Pigs*	0.040	0.083	0.001	0.000	0.102	0.033	0.010	0.022	0.291
LAYERS	0.0115	0.0044	0.0000	0.0000	0.0129	0.0045	0.0005	0.0010	0.0348
CHICKENS*	0.0004	0.0006	0.0000	0.0000	0.0015	0.0006	0.0000	0.0001	0.0032
TURKEYS*	0.0058	0.0000	0.0000	0.0000	0.0076	0.0037	0.0003	0.0008	0.0182
HORSES	0.013	0.021	0.419	0.000	0.027	0.036	0.000	0.002	0.518

\* These coefficients represent intake per animal output in 1991. The remainder represent intake per inventory animal in 1991.

Source: *Livestock Feed Usage Study, Statistics Canada*.



**TOTAL GRAINS AND OILSEEDS CONSUMPTION PER ANIMAL BY SUBCLASS  
OF LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1991**

SUBCLASS OF LIVESTOCK AND POULTRY	Nfld	PEI	NS	NB	Que	Ont	Man	Sask	Alta	BC	CANADA
- tonnes -											
BEEF CATTLE	0.568	0.536	0.350	0.376	0.341	0.559	0.392	0.451	0.710	0.228	0.556
Beef Cows	0.110	0.024	0.070	0.142	0.028	0.245	0.272	0.300	0.261	0.014	0.240
Beef Heifers for H.R. >1 yr	0.362	0.274	0.270	0.284	0.369	0.498	0.341	0.364	0.391	0.055	0.369
Steers, S. and F. Heifers*	0.851	0.809	0.800	0.790	1.059	0.873	0.946	1.409	1.420	1.521	1.234
Short-keeps*	0.000	0.610	0.000	0.000	1.279	0.714	0.818	1.068	1.200	1.024	0.972
Long-keeps*	0.851	0.809	0.800	0.790	1.005	1.109	1.243	1.594	1.516	1.685	1.395
Veal Calves*	0.000	0.000	0.000	0.000	0.286	0.460	0.000	0.000	0.000	0.970	0.367
Beef Bulls > 1 yr	0.463	0.342	0.750	0.142	0.000	0.350	0.273	0.190	0.309	0.008	0.248
Beef Bull Calves < 1 yr	0.648	0.478	0.360	0.210	0.382	0.212	1.273	0.777	0.600	0.162	0.586
Beef Heifer Calves < 1 yr	0.318	0.422	0.360	0.210	0.383	0.293	0.375	0.317	0.329	0.008	0.308
DAIRY CATTLE	2.246	1.536	1.216	1.576	1.431	1.370	1.616	1.383	1.303	1.700	1.420
Dairy Cows	2.900	2.255	2.250	2.359	2.061	2.502	2.512	1.824	2.064	2.948	2.286
Dairy Heifers for H.R. >1 yr	1.000	0.730	0.500	0.700	0.808	0.469	0.660	0.996	0.249	0.000	0.583
Dairy Bulls > 1 yr	0.590	0.730	0.750	0.320	0.000	0.860	0.000	0.580	0.339	0.627	0.312
Other Dairy Calves < 1 yr	0.648	0.771	0.500	0.750	0.709	0.154	0.505	0.518	0.527	0.376	0.447
SHEEP AND LAMBS	0.044	0.083	0.037	0.043	0.081	0.072	0.084	0.137	0.092	0.042	0.079
Ewes and Wethers	0.045	0.091	0.036	0.032	0.098	0.104	0.048	0.160	0.069	0.045	0.089
Rams	0.036	0.070	0.036	0.032	0.138	0.023	0.039	0.100	0.066	0.010	0.058
Lambs*	0.032	0.090	0.023	0.057	0.058	0.058	0.109	0.105	0.100	0.050	0.071
Breeding Lambs	0.082	0.009	0.097	0.057	0.131	0.000	0.109	0.120	0.161	0.000	0.088
HOGS	0.320	0.311	0.292	0.325	0.318	0.366	0.319	0.363	0.367	0.301	0.342
Sows and Bred Gilts	1.015	1.020	0.960	1.180	1.015	1.151	0.945	1.176	0.940	1.082	1.048
Boars > 6 mnths	0.814	0.710	0.960	0.840	0.963	0.954	0.840	0.881	0.950	0.932	0.929
All Other Pigs*	0.272	0.260	0.255	0.264	0.273	0.308	0.278	0.295	0.319	0.250	0.291
LAYERS	0.0257	0.0294	0.0271	0.0257	0.0352	0.0340	0.0396	0.0330	0.0391	0.0355	0.0347
CHICKENS*	0.0028	0.0034	0.0030	0.0035	0.0033	0.0032	0.0031	0.0035	0.0031	0.0030	0.0032
TURKEYS*	0.0000	0.0130	0.0093	0.0095	0.0141	0.0211	0.0200	0.0193	0.0213	0.0185	0.0182
HORSES	0.346	0.346	0.346	0.346	0.860	0.829	0.504	0.415	0.440	0.113	0.518

\* These coefficients represent intake per animal output in 1991. The remainder represent intake per inventory animal in 1991.

Source: *Livestock Feed Usage Study, Statistics Canada*.



## APPENDIX 5.0

## LIVESTOCK AND POULTRY POPULATIONS BY SUBCLASS, CANADA AND PROVINCES, 1991

SUBCLASS OF LIVESTOCK AND POULTRY	Nfld	PEI	NS	NB	Que	Ont	Man	Sask	Alta	BC	CANADA
- '000 head -											
BEEF CATTLE	4.5	49.9	67.3	55.6	631.6	1437.2	652.9	1416.6	3538.0	402.1	8255.7
Beef Cows	0.8	13.0	27.4	21.2	187.8	390.3	405.0	874.8	1588.0	240.0	3748.1
Beef Heifers for H.R. >1 yr	0.1	3.0	6.6	5.3	43.5	91.5	64.8	151.0	275.0	44.5	685.2
Steers, S. and F. Heifers*	2.7	29.7	20.4	19.0	100.9	594.0	96.8	188.2	1318.5	45.9	2416.1
Short-keeps*	0.0	0.0	0.0	0.0	20.2	356.4	67.7	65.9	395.6	11.5	917.2
Long-keeps*	2.7	29.7	20.4	19.0	80.7	237.6	29.0	122.3	923.0	34.4	1498.9
Veal Calves*	0.6	0.4	4.7	3.2	236.7	229.0	4.7	14.6	6.0	15.8	515.7
Beef Bulls > 1 yr	0.1	0.8	1.5	1.4	12.4	24.2	19.6	45.1	88.4	12.7	206.2
Beef Bull Calves < 1 yr	0.0	0.2	0.4	0.4	4.5	6.3	3.9	8.4	17.3	2.5	43.8
Beef Heifer Calves < 1 yr	0.1	2.9	6.3	5.1	45.9	102.0	58.1	134.6	244.8	40.8	640.7
DAIRY CATTLE	6.6	35.1	69.2	44.4	985.5	918.2	102.3	76.0	194.2	136.6	2568.2
Dairy Cows	4.6	18.3	28.3	23.3	515.3	442.7	55.0	44.5	106.0	75.0	1312.9
Dairy Heifers for H.R. >1 yr	1.0	8.3	27.4	10.7	229.0	231.2	23.3	15.8	44.5	32.3	623.2
Dairy Bulls > 1 yr	0.1	0.3	0.3	0.3	9.7	4.6	0.6	0.5	0.9	0.8	18.1
Other Dairy Calves < 1 yr	1.0	8.2	13.3	10.2	231.5	239.7	23.5	15.3	42.8	28.6	614.0
SHEEP AND LAMBS	8.2	3.1	27.2	9.0	154.4	346.8	40.6	70.6	282.6	82.8	1025.3
Ewes and Wethers	4.1	1.6	14.5	4.7	65.8	129.3	17.0	40.1	127.8	32.5	437.3
Rams	0.2	0.1	0.5	0.2	2.5	6.0	0.8	2.0	5.9	2.0	20.2
Lambs*	3.0	1.1	9.7	2.6	75.4	186.1	20.0	20.1	118.9	40.1	477.0
Breeding Lambs	0.9	0.3	2.5	1.5	10.8	25.5	2.9	8.3	30.0	8.2	90.8
HOGS	29.8	184.4	236.5	125.7	4915.9	4565.2	2354.5	1152.3	2575.3	408.3	16547.9
Sows and Bred Gilts	1.8	12.3	12.1	7.9	285.8	304.5	136.3	83.8	183.0	24.1	1051.6
Boars > 6 mnths	0.2	0.7	0.6	0.5	13.8	20.0	8.3	6.3	13.3	1.5	65.0
All Other Pigs*	27.8	171.4	223.8	117.3	4616.4	4240.7	2210.0	1062.3	2379.0	382.7	15431.4
LAYERS	381.0	134.0	885.0	496.0	3585.0	7756.0	2342.0	940.0	1881.0	2602.0	21002.0
CHICKENS*	5514.0	1496.0	13761.0	10085.0	112657.0	135576.0	17685.0	11486.0	35334.0	50130.0	393724.0
TURKEYS*	0.0	4.0	788.0	550.0	4745.0	8041.0	1368.0	759.0	1627.0	1993.0	19875.0
HORSES	0.3	1.9	3.0	3.1	25.8	75.1	44.1	53.8	109.2	39.8	356.1

\* These populations represent number of animals output in 1991. The remainder represent average inventory in 1991.

Source: *Livestock Feed Usage Study, Statistics Canada*.



**TOTAL GRAINS AND OILSEEDS CONSUMPTION BY SUBCLASS OF  
LIVESTOCK AND POULTRY, CANADA AND PROVINCES, 1991**

SUBCLASS OF LIVESTOCK AND POULTRY	Nfld	PEI	NS	NB	Que	Ont	Man	Sask	Alta	BC	CANADA
- '000 tonnes -											
BEEF CATTLE(1)	2.5	26.7	23.5	20.9	215.3	759.9	348.3	668.2	2504.8	129.3	4699.6
Beef Cows	0.1	0.3	1.9	3.0	5.3	95.6	110.2	262.4	414.5	3.4	896.6
Beef Heifers for H.R. $\geq$ 1 yr	0.0	0.8	1.8	1.5	16.1	45.5	22.1	55.0	107.5	2.4	252.8
Steers, S. and F. Heifers*	2.3	24.0	16.3	15.0	106.9	473.7	184.0	293.1	1864.6	107.4	3087.4
Short-keeps*	0.0	0.0	0.0	0.0	25.8	254.5	55.4	70.4	474.7	11.8	892.5
Long-keeps*	2.3	24.0	16.3	15.0	81.1	263.5	36.1	195.0	1399.2	58.0	2090.6
Veal Calves*	0.0	0.0	0.0	0.0	67.7	105.3	0.0	0.0	0.0	15.3	188.4
Beef Bulls $\geq$ 1 yr	0.1	0.3	1.1	0.2	0.0	8.5	5.4	8.6	27.3	0.1	51.4
Beef Bull Calves $\leq$ 1 yr	0.0	0.1	0.1	0.1	1.7	1.3	4.9	6.5	10.4	0.4	25.6
Beef Heifer Calves $\leq$ 1 yr	0.0	1.2	2.3	1.1	17.6	29.9	21.8	42.7	80.5	0.3	197.4
DAIRY CATTLE	14.9	53.8	84.2	70.1	1411.1	1256.5	165.4	105.0	252.7	232.3	3646.1
Dairy Cows	13.2	41.3	63.6	54.8	1062.0	1107.4	138.2	81.2	218.8	221.1	3001.5
Dairy Heifers for H.R. $\geq$ 1 yr	1.0	6.0	13.7	7.5	184.9	108.3	15.3	15.7	11.1	0.0	363.6
Dairy Bulls $\geq$ 1 yr	0.0	0.2	0.2	0.1	0.0	4.0	0.0	0.3	0.3	0.5	5.6
Other Dairy Calves $< 1$ yr	0.7	6.3	6.6	7.7	164.2	36.8	11.8	7.9	22.6	10.7	275.4
SHEEP AND LAMBS	0.4	0.3	1.0	0.4	12.6	24.4	3.3	9.7	25.9	3.5	81.4
Ewes and Wethers	0.2	0.1	0.5	0.1	6.4	13.4	0.8	6.4	8.8	1.5	38.4
Rams	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.2	0.4	0.0	1.2
Lambs*	0.1	0.1	0.2	0.1	4.4	10.8	2.2	2.1	11.9	2.0	33.9
Breeding Lambs	0.1	0.0	0.2	0.1	1.4	0.0	0.3	1.0	4.8	0.0	7.9
HOGS	9.6	57.6	69.3	40.7	1561.7	1675.7	750.1	417.4	943.5	123.2	5648.7
Sows and Bred Gilts	1.8	12.6	11.6	9.4	290.0	350.5	128.8	98.5	172.0	26.1	1101.3
Boars $>$ 6 mnths	0.2	0.5	0.6	0.4	13.2	19.1	6.9	5.5	12.6	1.4	60.4
All Other Pigs*	7.6	44.5	57.1	31.0	1258.4	1306.1	614.4	313.4	758.9	95.7	4487.0
LAYERS	9.8	3.9	24.0	12.7	126.3	263.4	92.7	31.0	73.6	92.3	729.8
CHICKENS*	15.4	5.1	41.9	35.1	372.1	437.5	55.5	39.7	108.7	151.2	1262.3
TURKEYS*	0.0	0.1	7.4	5.2	66.9	169.7	27.3	14.6	34.6	36.9	362.7
HORSES	0.1	0.7	1.0	1.1	22.2	62.3	22.2	22.3	48.0	4.5	184.4
<b>TOTAL</b>	<b>52.6</b>	<b>148.2</b>	<b>252.3</b>	<b>186.2</b>	<b>3788.1</b>	<b>4649.4</b>	<b>1464.9</b>	<b>1308.0</b>	<b>3991.9</b>	<b>773.3</b>	<b>16614.9</b>

(1) Total grains and oilseeds consumption by steers, slaughter and feeder heifers has been adjusted to compensate for grains and oilseeds intake by feeder steers and heifers prior to interprovincial movement and/or international export.

\* These coefficients represent intake per animal output in 1991. The remainder represent intake per inventory animal in 1991.

Source: *Livestock Feed Usage Study, Statistics Canada*.

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