

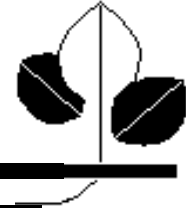


Agriculture and  
Agri-Food Canada

Agriculture et  
Agroalimentaire Canada

Market and Industry  
Services Branch

Direction générale des services  
à l'industrie et aux marchés



# **Snapshot of the Canadian Ostrich, Emu and Rhea Industries**

*A resource document giving a snapshot of the industry in Canada, current data,  
slaughter establishments, and internet and other addresses.*

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## **1. Introduction**

Ostrich, emu and rhea, in common with all birds, belong to the class Aves. These are, however, flightless or 'running birds' with a flat breast bone (sternum) but no keel. The group, which belongs to various orders and families, includes ostrich, native to Africa (genus - *Struthio*); emu, native to Australia (genus - *Dromaius*); rhea, native to South America (genus - *Rhea*); kiwi, native to New Zealand (genus - *Apteryx*); cassowary native to Australia and New Guinea (genus - *Casuaris*) and the extinct moa native to Australia and New Zealand. It is only the first three of these - ostrich, emu and rhea - which are raised commercially in a number of countries. The generic name for these birds is 'ratite', however, there is a ground swell among producers to avoid the label 'ratite' as they believe that, particularly when it is used to describe meat, it has a poor connotation. Wherever possible this term has been avoided.

## **2. Background**

Ostriches have been grown commercially in South Africa since the 19th century. At this time, they were raised principally for their feathers which were much prized in the fashion industry. As fashions changed around 1914, the industry collapsed and only started up again in the 1970s with hides as the major product. In South Africa, ostrich hides are still the major product.

Domestic production of ostrich in countries other than South Africa started in the 1970s, together with emu and to a lesser extent rhea. It was quickly realized that the birds are extremely hardy, will flourish in a variety of climates and do not require large tracts of land. Production spread quickly, and today emu and ostrich are raised in many countries including the USA, Australia, Israel, France, New Zealand, China, Korea, Zimbabwe, Botswana, Namibia, the United Kingdom, Belgium, Holland, Poland and Canada. Most producers today (with the exception of those in South Africa) are growing ostrich, emu and rhea for their meat, with the hides, feathers, fat, egg shells, and other parts of the birds as by-products.

Growth in any new industry starts with building breeding stock. Because it is a new industry there is a shortage of birds and high prices can be demanded for good stock. At this stage, millions of dollars can be made, and have been made, by buying and selling breeding stock in the form of hatching eggs, chicks, yearlings and proven breeders. As more and more people get into production, breeding supplies become plentiful and prices drop. In order to embark on commercial production, bird numbers have to be increased to a level where there are sufficient birds so that some can be taken out of breeding and slaughtered for meat. Once this level has been reached, it has to be maintained so that consistent supplies of meat can be generated.

Many countries in the world are moving simultaneously towards this point, but before a consumer demand for the meat and other products has been created.

### **3. Canada**

Ostrich farming has been well developed in South Africa for many years. Production in other countries started in the USA and Israel in the late 70s, as did commercial emu farming in Australia. The development of Canada's ostrich, emu and rhea industries followed these countries, and probably started about the same time as France and the UK. Canada is ahead of many other countries such as China, New Zealand, Korea and Brazil - a fact that is important today when markets are being sought for Canadian breeding stock.

Production started in Alberta in the late 80s with ranchers seeking an alternative to raising beef cattle. It spread to British Columbia and then to all other provinces across Canada.

The Canadian Ostrich Association (COA) was formed in 1991 to undertake activities for the promotion and understanding of the industry. It has 7 provincial association members from British Columbia to Québec. Prince Edward Island, Nova Scotia and New Brunswick also have provincial ratite associations which are not sanctioned member associations of the COA.

There are national emu and rhea associations also - the Canadian Emu Association and the Canadian Rhea Association. British Columbia, Alberta, Saskatchewan and Manitoba have emu associations and the PEI Ratite Association is affiliated to the Canadian Emu Association. Newfoundland does not have an association (Appendix I).

The national ostrich association and their provincial associations are well organized and active. Many of them publish Newsletters for their members, organize seminars and conferences, participate in trade shows, conduct research, lobby the government for changes and promote their products. Their members are generally articulate and pro-active.

There are also associations in many other countries and states - the US and most of its states - <http://ww2.morgan.net/ratite/directory.htm>, Australia - <http://www.farmwide.com.au/nff/ostrich/ostrich.htm>, Italy, Hungary, Lithuania, Japan, Czech, Poland, Europe, Great Britain, New Zealand, China, and there is also an International Ostrich Association.

### **3.1 Population**

The Agricultural Census of 1996 was the first year ratites were recorded. The 833 farms which responded gave the number of ostrich at 15,502. This compares with 16,713 ostrich reported in a 1994 COA survey. In the Agricultural Census, emu and rhea were not differentiated, and 967 farms responded with a total of 60,308 birds. (Table I) Flock sizes vary from 2 to 400 for ostrich, and up to a 1,000 for emu with the current average flock size estimated at about 30 for ostrich and 200 for emu.

**Table I - Statistics Canada Census of Farms 1996**

	<b>Ostrich</b>		<b>Emu &amp; Rhea</b>		
<b>Province</b>	No. of Farms	No. of Head	No. of Farms	No. of Head	<b>Total Head</b>
Nfld.	0	0	3	8	8
PEI	2	X	36	967	967
NS	3	32	8	83	115
NB	2	X	15	497	497
Québec	101	1,471	79	1,394	2,865
Ontario	87	1,179	356	44,495	45,674
Manitoba	71	1,330	117	3,444	4,774
Sask.	87	1,822	77	1,869	3,691
Alberta	341	7,696	190	4,423	12,119
BC	139	1,972	86	3,128	5,100
Canada	833	15,502	967	61,308	75,810

X - value suppressed for confidentiality reasons

### **3.2 Slaughter**

Slaughter of ostrich, emu and rhea has increased from 17 in 1993 to over 13,000 head in 1997 and from 1 province only - Manitoba in 1993, to 7 provinces - BC east to NB in 1997. In 1997, the average unit weight of ostrich carcass was 54 kgs (119 lbs), of emu carcass 18.3 kgs (40.3 lbs), and of rhea carcass 12.6 kgs (28 lbs). (It should be noted that there were only 9 rhea slaughtered in only one federally registered processing establishment in 1997. The slaughter weight for rhea is generally considered much higher.) In 1997, 73% of birds slaughtered were in federally inspected establishments.

In order to export or move interprovincially, slaughter must be performed in a federally inspected establishment.

**Table II - Slaughter in federally and provincially registered establishments\***

Year		1993	1994	1995	1996	1997
<b># of Provinces Slaughtering</b>		1	4	7	7	7
<b>Ostrich</b>	Head	5	47	349	1,935	4,738
	Dressed Weight (kgs)	256	2,314	17,144	na	na
<b>Emu</b>	Head	6	12	193	1,519	5,707
	Dressed Weight (kgs)	82	130	3,295	na	na
<b>Rhea</b>	Head	-	-	28	117	100
	Dressed Weight (kgs)	-	-	364	na	na
<b>Ratites*</b>	Head	-	-	187	727	2,473
<b>Total Ostrich, Emu and Rhea</b>	Head	11	59	757	4,298	13,018

**Source:** Meat Hygiene Condemnation Statistics and Provincial Governments

\* not all provincial establishments collect weights and/or differentiate between ratite types

Federal and provincial establishments slaughtering ostrich, emu and rhea are listed in Appendix II.

### **3.3 Trade**

Trade data for hatching eggs, live birds are given in Table III a, and for meat in Table III b.

Export data for eggs and live birds represent only those which have been health inspected and certified for export. These birds and eggs do not always end up being exported. The data given might, therefore, be higher than the numbers of actual exports.

**Table III a - Trade in Hatching Eggs and Live Birds**

	Exports	Imports	Exports			Imports		
Year	Hatching Eggs		Ostrich	Emu	Rhea	Ostrich	Emu	Rhea
	nos.	nos.	head	head	head	head	head	head
1989	na	na	8	0	0	47	0	29
1990	na	na	9	0	1	153	0	44
1991	na	na	0	0	16	536	0	24
1992	na	na	0	0	0	315	8	48
1993	na	na	123	4	12	965	488	345
1994	0	203	454	0	0	1,185	475	133
1995	928	535	701	0	0	1,358	3,577	369
1996	1,936	303	179	224	0	6,054	1,529	388
1997	1,387	610	987	0	0	838	1,718	0
Jan-Oct 1997	1,387	610	795	0	0	829	1718	0
Jan-Oct 1998	88	103	234	199	0	108	198	0

**Source:** CFIA Health of Animal Database

**Note:** Export numbers are of eggs or birds certified for export. Not all eggs or birds certified are exported.

**na** - not available - prior to 1994 ratite hatching eggs were not differentiated

The numbers are inconsistent and difficult to interpret. It might be expected that imports of hatching eggs and live birds would increase as the industry increased and diminish as domestic breeding flocks became established. Certainly imports of live ostrich, emu and rhea diminished in 1997, but hatching eggs increased. This might be due to a movement in 1997 by US producers to reduce their breeding flocks by selling off hatching eggs. In 1998 this trend seems to have been reversed.

The majority of imports are from the USA but, according to the CFIA Live Import Data Base, since 1994, hatching eggs have also been imported from Namibia, South Africa and Zimbabwe, live ostrich from Great Britain, Namibia and Sweden, and live emu from Sweden.



Exports of hatching eggs and birds (or demands for export certificates) have increased, but not steadily. Since 1994, eggs and flocks have been certified for export to the US, Asia, South America and Oceania. As of November 1998, protocols have been established for exporting live birds and hatching eggs to 14 countries - see para 2.3.1 Table IV. Exports to the US have also taken place.

Meat data represents actual imports and exports received and/or shipped.

**Table III b - Trade in ostrich, emu and rhea Meat - kgs**

Year	Ostrich		Emu		Rhea	
	Exports	Imports	Exports	Imports	Exports	Imports
1995	0	708	0	0	0	0
1996	2,404	1,617	0	33	0	0
1997	326	10,272	0	0	0	0
Jan-Oct, 1997	137	6,187	0	0	0	0
Jan-Oct, 1998	3,202	3,623	100	0	0	0

**Source:** CFIA Meat Hygiene Export Database, and Port of Entry Database  
Prior to 1995, ratite meat was not differentiated.

Meat exports are only just beginning. The first export was of ostrich meat in 1996, and exports have taken place each year since then, although not in great quantities. 1998 records the biggest increase Ostrich meat has been exported to the US, China, Japan, Brazil, Venezuela and France, and emu meat to the US.

When an industry is being established and consistent supplies are not always available, meat is often imported to fill supply gaps. As supplies become more consistent imports are expected to diminish. Imports are all from the US. Currently, due to falling breeder markets in the US this scenario of dwindling imports may be delayed. Many US producers, instead of retaining their stocks for breeding, have been sending their birds to market, and some of the meat has been imported into Canada at costs below domestic product. This has provided a constraint to Canadian producers in finding markets in a developing marketplace for their products.

### **3.3.1 Trade Regulations**

To export and import live product and hatching eggs, protocols concerning such areas as disease, health status of flocks, product origin, testing to be performed by the

exporting country etc. have to be established between partner countries, e.g. one of the requirements of the Canadian Health of Animals Regulations for live ostrich imported from the US is that it must be identified by a microchip. One of the requirements for imported hatching eggs is that they must be accompanied by a certificate certifying that the flock from which the eggs originated is free of certain listed diseases. These are just two examples of requirements, but there are many more. Each country has its own specifications which imported products have to satisfy. Each shipment is accompanied by a certificate signed by a federal veterinarian confirming that the conditions of the protocol have been met. Often birds have to be segregated in Canada prior to shipment and quarantined in the importing country.

As of November 1998, Canada has protocols with 14 countries (for ostrich, emu or rhea). The breakdown is given in Table IV below. Protocols are only valid for the periods specified, so potential exporters must check with the Canadian Food Inspection Agency to confirm that the protocol is still in place.

**Table IV - Countries with which Canada has a protocol for the purpose of exporting ratites**

Country	Ratites			Ostrich			Emu			Rhea
	Adult	Chicks	Eggs	Adult	Chicks	Eggs	Adult	Chicks	Eggs	Adult
Australia				x						
Brazil				x						
Ecuador				x						
Chile				x	x	x	x	x	x	
China		x	x	x			x			x
Dominican				x		x				
Great Britain	x		x							
Hungary						x				
Japan				x		x	x		x	
Korea	x	x	x							
New Zealand						x			x	
Philippines				x			x			
Poland	x		x							
Taiwan	x									

**Source:** CFIA

**Note:** Eggs = Hatching Eggs

Chicks = Day Old Birds

Similarly, to export meat, the demands of the importing country have to be met. These could cover veterinary, sanitary, packaging, labelling and special slaughter requirements. Usually, for exports, this means that the slaughter establishment has to be inspected and approved by the importing country. Selected Canadian establishments have exported ostrich and emu meat to the US, Brazil, Venezuela, Japan and France.

For the European Union (EU), ratite meat falls under the jurisdiction of each individual member state, however the EU has recently decided that 'for health reasons' ratite meat will not be imported from EU approved plants in third countries until October 1, 1999. However, each member state can still make its own decisions. A number of member countries have approved Canadian establishments (see Appendix VI), but the UK is the only member state which has approved ratite meat specifically from 2 Canadian establishments.

Further information about meat exports and each country's specifications is available from the CFIA Meat Hygiene Manual of Procedures -

<http://www.cfia-acia.agr.ca/english/animal/meat/mmop/contents11.htm>

It is the exporter's responsibility to ensure that the product is acceptable to the authorities of the importing country and that all the requirements of the importing country are being met. Potential exporters are advised to work with a broker who is familiar with such things as regulations, payments, Customs & Excise procedures etc.

### **3.4 Value of the Industry**

Prior to the large drop in breeding stock prices, the ostrich, emu and rhea industries were together estimated to be worth about \$1 billion. This was based on numbers of birds and their uses and the price of breeding stock, meat and hides. Currently it is probably below this due to falling prices of breeding stock meat. The number of producers has also dropped, although the number of birds may not have fallen proportionally.

In 1998, ostrich breeding stock ranged from \$20 to \$50 for hatching eggs, \$100 for chicks, \$500 for yearlings and \$2,500 to \$2,000 for proven breeders. Prime ostrich meat cuts wholesale for \$8-\$10./ kg (\$18-\$22./lb), with lesser cuts selling for as low as \$5./kg (\$11./lb). Green ostrich hides fetch \$60 to \$150 or \$22/sq foot cured. Emu hatching eggs sell for about \$25, 3 month chicks \$50-\$100 depending on size, yearlings \$1,000 each and proven breeders \$3,500-\$4,000. Emu meat is being sold for \$17/lb for prime cuts, \$15/lb for 2nd cuts and \$7/lb for ground meat. 6 burgers retail for \$8.95 - these are 60% emu and 40% veal. Emu oil sells for \$8-12/oz depending on the volume. The wholesale price of 2 oz is about \$10.

## **4. The Canadian Industry Today**

Today the ostrich, emu and rhea industries are facing new challenges.

Lured by the high selling prices of breeding stock and the relatively low input of maintenance and overhead costs, together with small land base needs, many people embarked on the production of ostrich, emu or rhea. The number of entrants in Canada has now peaked and would-be suppliers of breeding stock are having difficulty finding buyers in Canada. In addition, markets for the meat and other products have not developed as quickly as anticipated.

Producers have a number of options, all of which are being exercised.

- a) leave the industry;
- b) develop industry related specialities e.g. computer software, equipment, crafts, cooking/catering, transportation, feed, speaker etc.;
- c) specialize within the industry e.g. feed lot, hatchery, breeding, feathers, hides, oil, etc.;
- d) maintain a few birds as a hobby or secondary source of income.

Like any fledgling or niche industry it is probable that many producers will elect for the first option. Many will continue producing as a hobby or secondary source of income, some will diversify, and a few will survive as mainline producers (option c). Whichever road producers follow (even option a)), they all have to find markets for their products.

Producers from group c) are forming marketing cooperatives, marketing and export companies and corporations, and establishing joint ventures with producers in other countries. Some of the major cooperatives, consortia and alliances are listed in Appendix III.

### **4.1 Government participation**

To date, federal and provincial financial assistance has been provided to the industry in the form of grants and loans of about \$1.1 million. Projects which have been supported include production methods, slaughter and cutting techniques, oil research and marketing (Appendix IV). These are all projects which are important to a new industry. However, at this stage in order to ensure the viability of the industry, it must concentrate its efforts on marketing.

In order to continue to qualify for further federal financial assistance the industry must develop a marketing strategy (AIMS) and focus on activities which will maximize its domestic and export marketing opportunities.

One of the drawbacks to seeking government funding is that it is almost always allocated on a cost shared basis, and the industry is not always able to put up matching funds. This burden would be shared if the industry would work together more. The industry generally sees each sector as being quite distinct, i.e. ostrich, emu and rhea and seems reluctant to embark on marketing projects involving all three sectors as they perceive each sector to be in competition. This is not necessarily the case. Producers could form a Canadian “Ratite” or “Flightless Bird” Association, pool resources, embark on an AIMS (Agricultural Industry Marketing Strategy), and be eligible to apply for additional government funding. Other, equally divergent sectors have already organized themselves, e.g. Canada Beef Breeds Council (an umbrella group for some 40 national beef breeding associations such as the Canadian Hereford Association, the Canadian Angus Society, the Canadian Limousin Association etc.), the Canadian Seed Trade Association representing 185 companies dealing in seeds such as corn, turf, peas, canola, soybean etc., the Canadian Special Crops Association representing buckwheat, canary seed, sunflower seed, mustard, lentils, peas and beans, the Canadian Dairy Genetics Exporters Group (representing all breeds in Canada e.g. Holstein, Ayrshire, Jersey etc.), and the Canadian Raw Fox, Mink and Wild Fur Group.

The objective of the AIMS process is to encourage Canadian agri-food sectors to develop and implement market responsive strategies that increase the sales of agri-food products and serve as a framework for industry/government collaboration. Funding for the program is cost-shared by government and industry and delivered by five federal government departments which are partners in AIMS: Agriculture and Agri-Food Canada, the Department of Foreign Affairs and International Trade, Western Economic Diversification Canada, Canada Economic Development for Quebec Regions and the Atlantic Canada Opportunities Agency.

## **5. Opportunities**

### **5.1 Breeding Stock**

Currently breeders are in a slightly better position than meat producers as there are still a number of countries ‘riding the wave’ and just getting into production and purchasing breeding stock. Canada is having some success exporting breeding stock to China, New Zealand, South Korea and South America. Most importing countries have very strict quarantine requirements for the birds in Canada before they are shipped and once they reach the importing country. Exporters have to be prepared to spend a lot of time preparing and often accompanying shipments and ensuring that farmers in importing countries have adequate accommodation, and management skills to raise the birds.

## **5.2 Meat**

Ostrich, emu and rhea meats are low fat, low cholesterol red meats which look and taste something like beef, although ostrich and emu have a somewhat 'stronger' flavour. Because it is so low in fat, it needs skill in preparation so that it does not become tough and fibrous. Currently, mostly due to high processing costs, it is expensive and virtually unknown outside of producers and a few high priced restaurants and speciality retail stores although producer groups are working hard to get it on supermarket shelves. To do this, and to obtain greater exposure in restaurants outside of the 'white linen' variety, the industry will have to provide controlled portions.

If consumer acceptance is achieved, the price reduced and consistent supply available, ostrich, emu and rhea can provide low fat red meats providing yet another meat choice to consumers who increasingly demand gastronomic variety. As management practices improve, prices will assuredly fall.

The Agriculture and Agri-food Canada Research Station at Lacombe, Alberta has, with the help of the industry developed sub primal meat cuts for ostrich. The Canadian Food Inspection Agency assigned names for each sub primal muscle. These are used by the majority of processors. Research into meat quality, yields, stress and transportation practices for ostrich and emu is also conducted at the Station.

Rather than developing a carcass grading system, as was done for beef, pork, lamb and poultry, which would add additional cost to the product, the Canadian Ostrich Association has been trying to adopt a "Seal of Excellence" for quality meat and meat products which meet certain criteria of age, medication withdrawal, shipping, microchip positioning, processing and packaging. The actual seal is in the form of a logo applied to the packaging. This program has not been as successful and widespread as was hoped, perhaps due to the cost to producers. This is unfortunate as consumers and importers are generally more comfortable with standardised products.

As more experience is gained in feed lot raising of ratites, it is likely that breeds and feeding programs will become more uniform, and the quality of the resulting meat more predictable.

Further processed meats are also being marketed. Ostrich and emu jerky has been available for some time and is quite successful. Emu burgers and sausages mixed with veal are expected to be in supermarkets in Ontario, Québec and the Maritimes by the end of 1998. Other products available include sausages, pepperoni, salami and deli cuts. Specially prepared meat such as medallions and kebabs are also available.

### **5.3 Hides**

The texture of hides depends, among other variables, on the breed of ratite, the climate in which they are raised, and nutrition. The quality of the hide is largely dependent on the (lack of) scarring and rips, and on the tanning process.

Canadian hides tend to be thicker than those from birds grown in warmer climates, but for boots and heavier clothing the thicker hides are favoured. For wallets and delicate clothing softer hides are preferred. Ratite hides are distinctive for their “quilling” - the depressions in the hide remaining when the feathers are plucked. Some breeds (e.g. Red Neck Ostrich) yield a heavy bird with a large hide but a low quill to hide ratio. Others (e.g. African Black Ostrich) yield a small bird with a smaller hide and a high quill to hide ratio.

A few years ago all ostrich hides were imported from South Africa via England where they were tanned. As prices increased and domestic tanners developed more skills, Canadian based leather manufacturers started using domestic hides which are 25% cheaper.

It has been speculated that the success of ostrich farming rests on a good return for hides, although markets for hides, as with other products, are dependent on many global factors such as supply, demand and cost.

Emu hides are much softer than ostrich hides. They are also much smaller. Rhea hides tend to be thicker than those of emu and more durable.

There are at least two companies in Canada tanning ratite hides one in Ontario and one in Saskatchewan.

### **5.4 Oil**

Ratite oils are rich in fatty acids. For ostrich, this is predominantly palmitic acid. For emu and rhea, it is predominantly the mono-unsaturated oleic acid. Ratite oils are used extensively in the cosmetics industry, particularly in Australia and the USA. They are reputed to have exceptional moisturizing, penetrating and therapeutic qualities for humans and animals. Some clinical testing has been undertaken in the US and Australia, which indicates that emu and rhea oils may have anti-inflammatory properties and possibly skin de-sensitizing properties. However, the active component or components have not yet been isolated. Unsubstantiated claims about the properties of ratite oils cannot be used in marketing products, although there is sufficient anecdotal data available about the healing properties of emu and rhea oils to warrant research. In Canada, oil and cosmetics using ratite oils are sold in health food stores, at farm gate and by catalogue.

Processing facilities in Canada are rare and much of the emu fat is processed in Texas and shipped back to Canada as oil. The fat has to be shipped in refrigerated containers which makes it a costly transaction. Canadian Emu Oil Limited (<http://www.emu.ca/>) located on Vancouver Island is one of the few emu oil renderers in Canada which renders and refines emu oil. Another is Gauthier Emu Ranch in Ontario (see Appendix V). Canadian Emu Oil Limited has a line of products available. All their oil meets or exceeds the International Emu Oil Guidelines defined by the American Emu Association (AEA) (<http://www.aea-emu.org/>). The AEA has an 'Oil Standards Team' with members from Canada, Australia and the US. This Team is developing "industry guidelines and standards to help assure the profitable growth of safe global ratite oils markets."

An adult ostrich yields about 3-4 litres oil, an adult emu 4-5 litres, and an adult rhea 4-6 litres, but these volumes are very dependent on age of the bird, its weight and its feed.

It is likely that just as the financial viability of the ostrich industry is dependent on hides, the financial viability of the emu and rhea industries rests on the success of their oils.

## **5.5 Feathers**

The market for feathers was at its height in the early years of the century when they were popular as fashion adornments. Today the fashion market for feathers is limited. They are used in crafts, but this market also is small. New uses are being researched, and currently the most popular is the use of feathers to attract dust particles in the automotive paint and computer assembly industries.

Currently in Canada most feathers are treated as a waste product.

The Ostrich Connection (<http://www.ostrichesonline.com/feather/featherindex.html>) manufactures, distributes and sells ostrich feathers. Their sale prices range from US33 cents to US\$9.90 for 1 feather, depending on the size, treatment and quality. They also list prices for bulk sales.

## **5.6 Other Products**

Empty hatching eggs are widely used by artisans for painting and carving. Shells from hatched eggs are processed into calcium supplements. (<http://IDL.NET/ISI/index.shtml>). There has been talk of claws being used by jewellers and eyes for medical purposes but usage is limited, or has not been developed. Also, there are markets for skulls and ostrich feet - one purchaser is listed at: <http://www.skullsunlimited.com/Struthioniformes.htm>. The use to which the bones are put is not specified.



Rhea and ostrich muscles contain high quantities of ATP (adenosine triphosphate) and have been used in treating auto-immune disorders such as Crohn's, fibromyalgia, lupus etc. As with the oil, there is a great deal of research to be done in this area, but results so far suggest there is opportunity, not just for the oil, but for other parts of rhea and ostrich and emu to be developed as nutraceuticals or functional foods.

## **6. Conclusions**

The life cycle of any industry - whether agricultural or technical - exhibits the same evolutionary trends. Development begins fairly slowly, accelerates, peaks and then either levels off, or continues to grow but at a slower rate. Industries which are not successful eventually die out. With the exception of the final potential phase, this evolutionary cycle can be clearly observed in the ostrich, emu and rhea industries and can be measured by the number of producers and the volume and value of transactions.

In the late 80s and early 90s many producers were entering the industry and in order to get started they were purchasing breeding stock at extremely high prices. In 1994 it was not unusual for ostrich hatching eggs to be sold for \$1,000 each and an unproven breeding pair for \$22,000. As flock numbers increased it became necessary to find an end market for the products generated. Producing breeding stock could not be an end in itself for all producers as the number of new entrants did not increase indefinitely. Markets had to be found for ostrich, emu and rhea products - meat, oil, feathers and hides. At this point the number of transactions levelled off as existing producers reduced their breeding stock purchases and began raising their own breeding stock, as the number of new entrants dropped, and as some existing producers got out of the business.

Today, ostrich hatching eggs sell for \$20 to \$30 and proven breeding pairs for \$5,000. And not only the value, but the volume of transactions is drastically reduced. There are fewer producers, although not fewer ratites. Existing producers are still increasing their flocks, but they are raising mainly commercial birds for slaughter. Ostrich, emu and rhea meat is gradually gaining acceptance in Canada. In the long term, given many factors - including healthy flocks, adequate processing establishments and full utilisation of oil, but above all costs of production which are competitive with other meats, there is every likelihood of the meat becoming part of the Canadian diet.

When the industry started and entrants were making a lot of money, there was a good deal of cooperation among producers. Associations flourished and with them seminars, conferences, joint exhibitions and Newsletters. Now that 'times are tough' and there is even more need to work together, many producers have withdrawn from the associations, have become protective of their own markets and interested only in furthering their own operations. A strong industry is not one in which producers are

working in isolation or against each other, but one where they work together, pool information, pool resources and together succeed.

All producers are seeking markets for their products, and many have expressed the need for financial help from the provincial or federal governments in order to mount promotion campaigns in the form of brochures, posters, attendance at Trade Fairs etc. The majority of government monies available are cost shared with industry and many producers have invested so heavily in supplies (stocks, feed, equipment, housing, slaughter facilities etc.) that they are unable to raise matching funds. It is to the industry's advantage to work together at all levels and come to Government as a unified body to work out a strategy for moving the industry forward. By pooling limited resources and working together with matching government resources more can be accomplished than by individuals working in isolation.

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## **Appendices**

I	National and Provincial Ratite Associations
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III	Canadian Ratite Cooperatives, Consortia, Alliances, etc.
IV	Government Supported Ratite Projects
V	Selected Internet Ratite Sites and Ratite addresses
VI	Canadian EU approved establishments for Meat and Meat products (as of February 23, 1999) - <a href="http://www.maff.gov.uk/win-cgi/euacok.exe">http://www.maff.gov.uk/win-cgi/euacok.exe</a>

***NATIONAL AND PROVINCIAL RATITE ASSOCIATIONS***

**Canadian Ostrich Association**

Contact: Mary Ellison, General Manager  
P.O. Box 44109, RPO Tillicum Mall  
Victoria, British Columbia  
V9A 7K1  
Tel./Fax: (250) 380-6035  
Email: [coa1@islandnet.com](mailto:coa1@islandnet.com)

**Canadian Emu Association**

Contact: Jerry Kollman, Secretary (1997)  
R.R. #1  
Stratford, Ontario  
N5A 6S2  
Tel.: (519) 271-2659  
Fax: (519) 271-7548

**Canadian Rhea Association**

Contact: Don Hultholm, President (1997)  
Box 325  
Holden, Alberta  
Tel.: (403) 688-2148

**British Columbia Ostrich Association**

Contact: Doug Cox, President (1999)  
Site 176, Comp 4, R.R.# 1  
Penticton, B.C.  
V2A 6J6  
Tel.: (250) 492-3228

**British Columbia Emu Association**

Contact: Russ Davies, President (1997)  
7550-50th Avenue S.W.  
Salmon Arm, B.C.  
V1E 4M1  
Tel.: (250) 338-8277

**Alberta Ostrich Breeders Associaton**

Contact: Jay Champion, Secretary/Treasurer  
73 Mohawk Road  
Lethbridge, Alberta  
T1K 5J5  
Tel.: (403) 381-6050  
Fax: (403) 381-3060  
Email: [aoba@agt.net](mailto:aoba@agt.net)

**Saskatchewan Ostrich Association**

Contact: Clay Ogilvie, President  
Box 28  
Ardath, Saskatchewan  
S0L 0B0  
Tel.: (306) 856-4448  
Fax: (306) 856-2200

**Saskatchewan Emu Association**

Contact: Doug English, Treasurer  
Box 176  
Avonlea, Saskatchewan  
S0H 0C0  
Tel.: (306) 868-4701  
Fax: (306) 868-4541

**Manitoba Ostrich Association**

Contact: Craig Murphy, President  
Box 388  
Tuelon, Manitoba  
R0C 3B0  
Tel.: (204) 886-2342  
Fax: (204) 886-3969

**Manitoba Emu Association**

Contact: Cyrille Durand  
Ile des Chênes, Manitoba  
R0A 0T0  
Tel.: (204) 878-2583

**Ontario Ratite Association**

Contact: Glenn Thompson, Secretary Manager  
26 Camden Place  
Kitchener, Ontario  
N2B 1P8  
Tel./Fax: (519) 484-2249

**Associaton Québécoise des Eleveurs de Ratites**

Contact: Kurt Serreyn, President  
4400 route 222  
St-Denis de Bromton, Québec  
J0B 2P0  
Tel.: (819) 846-4806

**New Brunswick Ratite Association**

55 Rusagonis Rd.  
Waasis, New Brunswick  
E3B 8W4

**Ratite Association of Nova Scotia**

Contact: Peter Visser, President  
219 Neilson Hill  
Milford Station, Nova Scotia  
B0N 1Y0  
Tel.: (902) 758-2690

**Prince Edward Island Ratite Association**

Contact: Connie McInnis  
P.O. Box 312  
Tignish, P.E.I.  
C0B 2B0  
Tel.: (902) 882-3639  
Fax: (902) 882-2519  
Affiliated with the Canadian Emu Association

**Establishments which Slaughtered Ratites in 1997**

EST #	NAME	ADDRESS	CITY	CODE	TEL.	FAX	TYPE
<b>BRITISH COLUMBIA (FEDERALLY REGISTERED PLANTS)</b>							
181	LAWRENCE MEAT PACKING CO. LTD.	1013 - 102 AVE	DAWSON CREEK	V1G 2B9	(250) 782-2690	(250) 782-8785	O
360	ROCKY MOUNTAIN GOURMET GAME PACKERS INC.	COMP. 3A, WRIGHT STATION, RR1-127 MILE HOUSE	LAC LA HACHE	V0K 1T0	(250) 396-4111	(250) 396-4110	O,E
362	PITT MEADOWS MEATS LTD.	18315 FORD ROAD	PITT MEADOWS	V3Y 1Z1	(604) 465-4744	(604) 465-4744	O
<b>BRITISH COLUMBIA (PROVINCIAALLY REGISTERED PLANTS)</b>							
BC01	MAPLEWOOD FARM	755 WINFALL ROAD	VICTORIA	V9B 5B4	(250) 478-2041		O
BC02	E. JOHNSON PACKERS LTD.	5828 PROMONTORY ROAD, PO BOX 374	SARDIS	V0X 1Y0	(604) 824-8715		O,E
BC04	RODEAR MEATS LTD.	DISTRICT LOT 8257, BEAVER CREEK RD, PO BOX 15	BIG LAKE	V0L 1G0	(250) 243-2340		O,E
BC08	A.G.M. BEEF FARM LTD.	5175 - 184th STREET	CLOVERDALE	V4P 1M5	(604) 576-8318		O
BC12	WESTHOLME MEAT PACKERS LTD.	BOX 42	WESTHOLME	V0R 3C0	(250) 246-9500		O,E
	OKANAGAN VALLEY OSTRICH PRODUCTS LTD.		OSOYOOS	V0H 1V0	(250) 495-2888		O
<b>ALBERTA (FEDERALLY REGISTERED PLANTS)</b>							
21	LACOMBE MEAT RESEARCH CENTRE	BAG 5000	LACOMBE	T0C 1S0	(403) 782-3316		O,E
506	BOUVRY EXPORT CALGARY LTD.	P.O. BOX 2024	FORT MACLEOD	T0L 0Z0	(403) 553-4431	(403) 553-3222	O
<b>ALBERTA (PROVINCIAALLY REGISTERED PLANTS)</b>							
	BARRHEAD CUSTOM MEAT PACKERS (1990) LTD.	BOX 4488	BARRHEAD	T7N 1A3	(403) 674-3121		O,E,R
	BOUMA MEATS LTD.	BOX 548	PROVOST	T0B 3S0	(403) 753-2092		E,O
	BROADVIEW MEAT MARKET (1976) LTD.	3326 15TH AVE. SW	MEDICINE HAT	T1A 7H3	(403) 528-4321		O
	BROOKS MEAT PACKERS (1995) LTD.	BOX 1975	BROOKS	T1R 1C7	(403) 362-3228		O,E
	C/A MEATS (1997) LTD.	4327 54 AVE	RED DEER	T1R 1C7	(403) 346-7796		O
	CHINOOK MEATS	BOX 1498	COALDALE	T1M 1N3	(403) 335-2190		O
	CYPRESS PACKERS INC.	BOX 2497	MEDICINE HAT	T1A 8G8	(403) 526-6688		O,E,R
	D.L.C. MEAT PACKERS INC	BOX 7037	BONNYVILLE	T9N 2H4	(403) 826-2373		O,E
	FOOTHILLS MEAT PROCESSORS (1985) LTD.	60 12 AVE SE	HIGH RIVER	T1V 1E6	(403) 652-2204		O,R
	GRINDE SAUSAGE HOUSE	BOX 5282	DRAYTON VALLEY	T7A 1R4	(403) 542-4625		O
	H & M MEATS INC.	15025 100 ST.	GRANDE PRAIRIE	T8V 7C2	(403) 532-2811		O
	HUTTERIAN BRETHERN OF PIBROCH	BOX 1028	PINCHER CREEK	T0K 1W0	(403) 627-4021		O
	INNISFAIL MEAT PACKERS LTD.	5107 47 AVE.	INNISFAIL	T4G 1P8	(403) 227-5166		O

**ALBERTA (PROVINCIALY REGISTERED PLANTS) - cont'd**

	LETHBRIDGE MEATS & SEA FOODS LTD.	3621 6 AVE. N.	LETHBRIDGE	T1H 5C2	(403) 329-4912		O
	MARTIN'S MEATS LTD. (A DIVN. OF 478150 LTD)	BOX 1753	FAIRVIEW	T0H 1L0	(403) 494-2343		O,E
	MEATCO SALES LTD.	102 17 ST.	WAINWRIGHT	T9W 1T4	(403) 842-4168		O
	ONOWAY CUSTOM PACKERS LTD.	BOX 509	ONOWAY	T0E 1V0	(403) 967-2207		O
	PINCHER CREEK MEAT PROCESSORS (1986) LTD.	BOX 277	PINCHER CREEK	T0K 1W0	(403) 627-3655		O
	PONOKA MEAT PROCESSORS	4207 - 67 STREET	PONOKA	T4J 1J8	(403) 783-2232		O,E,R
	RIMBEY MEAT PROCESSING LTD.	BOX 406	RIMBEY	T0C 2J0	(403) 843-2722		O
	SAILOR'S MEAT & DELI LTD.	BOX 396	SEDGEWICK	T0B 4C0	(403) 284-3631		E
	TENDER LEAN MEATS LTD.	RR # 4	TOFIELD	T0B 4J0	(403) 662-4999		O
	TOFIELD PACKERS LTD.	BOX 504	TOFIELD	T0B 4J0	(403) 662-4842		O,E,R
	VERMILION PACKERS LTD.	4825 47 AVE.	VERMILION	T9X 1J4	(403) 853-4622		E
	VIKING MEATS (1994) LTD.	BOX 961	VIKING	T0B 4N0	(403) 336-3196		E

**SASKATCHEWAN (FEDERALLY REGISTERED PLANTS)**

385	MALIK'S FINE FOODS & HALAL MEATS (786)	4505 ELGIN ROAD	REGINA	S4S 4K5	(306) 345-2277		O
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**SASKATCHEWAN (PROVINCIALY REGISTERED PLANTS)**

SASK01	SUPERIOR MEATS	P.O. BOX 2099	SWIFT CURRENT	S9H 4V1	(306) 773-2069		O,E
SASK09	WADENA MEATS LTD.	P.O. BOX 97	WADENA	S0K 4J0	(306) 338-3605		O,E
SASK10	PROBE'S FARM MEATS LTD.	387 DALGLIESH DRIVE	REGINA	S4R 7J2	(306) 864-4702		O,E

**MANITOBA (FEDERALLY REGISTERED PLANTS)**

58	WINKLER WHOLESALE MEATS LTD.	P.O. BOX 759	WINKLER	R0G 2X0	(204) 325-9593	(204) 325-5735	O,E
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**MANITOBA (PROVINCIALY REGISTERED PLANTS)**

MAN02	DAUPHIN MEAT PROCESSORS	BOX 98	DAUPHIN	R7N 2T9	(204) 638-6016		E
MAN04	COUNTRY MEAT & SAUSAGE LTD.	BOX 250	BLUMENORT	R0A 0C0	(204) 326-3252		O
MAN07	SWAN LAKE ABATTOIR	BOX 70	SWAN LAKE	R0G 2S0	(204) 836-2467		E
MAN08	HOLMES GROCETERIA LTD.	GENERAL DELIVERY	CARMAN	R0G 0J0	(204) 745-2763		O,E
MAN13	DOWN HOME COUNTRY MEATS (KENTON MEAT PROCESSORS)	BOX 88	KENTON	R0M 0Z0	(204) 838-2068		O,E,R
MAN18	BOISSEVAIN MEAT PROCESSORS LTD.	BOX 1053	BOISSEVAIN	R0K 0E0	(204) 534-6749		E
MAN20	LA ROCK MEAT PROCESSING LTD.	BOX 648	ROBLIN	R0L 1P0	(204) 937-8888		O,E
MAN24	KILLARNEY MEATS	BOX 1236	KILLARNEY	R0G 1G0	(204) 523-4308		E
MAN25	BOUNDRY TRAIL ABATTOIR	BOX 414, GRP 11, RR1	WINKLER	R6W 4A1	(204) 325-8789		E
MAN28	JARVIS MEATS LTD.	BOX 107	GLADSTONE	R0J 0T0	(204) 385-2506		O,E
MAN33	WALDNER'S MEATS	BOX 111	NIVERVILLE	R0A 1E0	(204) 388-4562		E

**ONTARIO (FEDERALLY REGISTERED PLANTS)**

287	CANADIAN EMU PRODUCTS INTERNATIONAL INC.	P.O. BOX 127	ST. ANN'S	L0R 1Y0	(905) 957-5025	(905) 957-5203	O,E
461	CANADIAN MEAT TECH. INC.	R.R. 2	PROTON STATION	N0C 1L0	(519) 923-3080	(519) 923-3055	O,E



**ONTARIO (FEDERALLY REGISTERED PLANTS) - cont'd**

253	SCARBORO MEAT PACKERS INC.	P.O. BOX 224	OWEN SOUND	N4K 5P3	(519) 376-9961	(519) 376-8940	E
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**ONTARIO (PROVINCIAALLY REGISTERED PLANTS)**

0026	AGBABA TENDER MEATS	P.O.BOX 213	WALLACETOWN	N0L 2M0	(519) 762-2494		
0096	APPIN ABATTOIR LTD.	RR#3	APPIN	N0L 1A0	(519) 289-5000		
0011	BARBER'S MEAT SHOP LTD.	13080 MONTROSE ROAD	NIAGARA FALLS	L3B 5N4	(905) 384-2280		
0218	BEARBROOK'S FARM ABATTOIR	8411 RUSSELL ROAD RR#3	NAVAN	K4B 1J1	(613) 835-2227		
0155	BEETON MEATS	PATTERSON STREET N.	BEETON	L0G 1A0	(416) 729-2771		
0203	BERNIE'S BUTCHER BLOCK	63 ADDISON RD.	ATHENS	K0E 1B0	(613) 924-1429		
0129	BILL GARDINER ABATTOIR & MEAT MARKET	RR#3	OWEN SOUND	N4K 5N5	(519) 376-5663		
0163	BLACKWATER DRESSED MEATS	51255 DURHAM REG RD 13, RR#4		L0C 1H0	(705) 357-2243		
0260	BLENHEIM ABATTOIR	POOK ROAD	BLENHEIM	N0P 1A0	(519) 676-2420		
0065	CHARLES QUALITY MEATS	RR#1	ST. AGATHA	N0B 2L0	(519) 886-7931		
0277	CHILVER'S MEATS	RR#1	FOXBORO	K0K 2B0	(613) 962-7915		
0186	DEAN'S QUALITY MEAT LTD.	RR#6	BELLEVILLE	K8N 4Z6	(613) 962-7020		
0153	DOUG'S MEATS	RR#3	SCHONBERG	L0G 1T0	(905) 859-0599		
0172	ELORA ROAD MEATS	RR#1	MILOMAY	N0G 2J0	(519) 367-2261		
0294	FACCIOLO MEAT FARM	RR#1	SHELBURNE	L0N 1S5	(519) 925-2818		
0179	FORDWICH MEATS	RR#1	FORDWICH	N0G 1V0	(510) 335-6415		
0094	GORD'S ABATTOIR LTD.	RR#5 #643	LEAMINGTON	N8H 3V8	(519) 326-2503		
117	GREEN'S MEAT MARKET & ABATTOIR LTD.	RR#2	WINGHAM	N0G 2W0	(519) 357-2912		
0025	GREY COUNTRY MEATS	RR#1	MAXWELL	N0C 1J0	(519) 922-2400		
0287	GUERNSEY CUSTOM SLAUGHTERING	RR#1 BOX 72	CHERRY VALLEY	K0K 1P0	(613) 476-5311		
0182	HILTS BUTCHER SHOP LTD.	RR#3	NORWOOD	K0L 2V0	(705) 696-2172		
268	HOMMER'S MEATS	2909 POINT ABINO ROAD	STEVENSVILLE	L0S 1S0	(905) 382-2094		
0253	INNERKIP MEAT PACKERS LTD.	RR#1 P.O. BOX 71	INNERKIP	N0J 1V0	(519) 469-3803		
0168	JOHN STEGENGA & SONS CO. LTD.	VICTORIA CITY RD. 8, RR#3	FENELON FALLS	K0M 1N0	(705) 887-3240		
0263	L'ABATTOIR LEFAIVRE	2100 CHOLETTE ROAD	ALFRED	K0B 1J0	(613) 679-4698		
0131	LANTZ MEAT MARKET	RR#2	DURHAM	N0G 1R0	(519) 369-6328		
0235	LEBLANC MEAT MARKET	725 LEBLANC ROAD	STURGEON FALLS	P0H 2G0	(705) 753-1112		
0171	LIME LAKE PROCESSORS INC.	RR#1	MARLBANK	K0K 2L0	(613) 478-5249		
0055	LLOYD MIEDEMA & SONS	RR#5	WATERFORD	N0E 1Y0	(519) 443-8844		
0219	MCGARRACH OF MICKSBURG CUSTOM BUTCHERING	RR#3	PEMBROKE	K8A 6W4	(613) 732-7181		
0160	METHERAL MEATS	RR31	GLEN HURON	L0M 1L0	(705) 466-3135		
0120	METZGER FARMS MEAT MARKET	MILL STREET	HENSALL	N0M 1X0	(519) 262-3130		
0068	MIEDEMA'S MEAT MARKET LTD.	129 HURON STREET	EMBRO	N0J 1J0	(519) 475-4010		
0150	MILL HAVEN MEATS	14TH LINE INNISFIL, W UP HWY 11	GILFORD	L0L 1R0	(905) 775-6775		
0098	MOUNT BRYDGES ABATTOIR LTD.	RR#1	MOUNT BRYDGES	N0L 1W0	(519) 264-1873		
0254	NEIL'S BUTCHER BLOCK	RR#1	BRINSTON	K0E 1C0	(613) 652-2274		
0017	NORFOLK PACKERS	RR#2	ST. WILLIAMS	N0E 1P0	(519) 586-3638		
0267	NORTH SHORE MEATS LTD.	RR#1	BRUCE MINES	P0R 1C0	(705) 782-6611		

**ONTARIO (PROVINCIALY REGISTERED PLANTS) - cont'd**

147	QUESNELLE MEATS	RR#1	PERKINSFIELD	L0L 2J0	(705) 526-2198		
0077	RUDY'S MEAT MARKET LTD.	RR#6	WOODSTOCK	N4S 7W1	(519) 462-2544		
0041	SCHOEMAN MEATS	2455 JERSEYVILLE ROAD WEST	JERSEYVILLE	L0R 1R0	(905) 648-1110		
0046	SILVERTHORN'S MEATS	RR#2	MARLEY	N0E 1E0	(519) 424-9573		
0292	SPRUCEDALE QUALITY MEATS	RR#1	SPRUCEDALE	P0A 1Y0	(705) 685-7747		
0217	STAGECOACH MEAT PACKERS	2690 STAGE COACH RD. RR#1	OSGOODE	K0A 2W0	(613) 821-7929		
0148	STAYNER MEAT PACKERS LTD.	BOX 527, WARRINGTON ROAD	STAYNER	L0M 1S0	(705) 428-3006		
0143	THE HARRISON PACKING CO. LTD.	142 ARTHUR STREET	HARRISTON	N0G 1Z0	(519) 338-3330		
0202	TOM HENDERSON CUSTOM MEAT CUTTING	RR#2	CHESTERVILLE	K0C 1H0	(613) 448-3471		
0033	TOWN AND COUNTRY ABATTOIR	126 STEELES AVENUE	HORNBY	L0P 1E0	(905) 878-3923		
0056	VANESSA MEATS	RR#3	VANESSA	N0E 1V0	(519) 446-3897		
0133	VEAL'S MEAT MARKET AND ABATTOIR	RR#3	EXETER	N0M 1S5	(519) 235-1123		
0049	VICTOR AZZOPARDI & SON	426 MT. PLEASANY ROAD	BRANTFORD	N3T 5L5	(519) 752-3652		
197	VOGEL'S FINE MEATS & SAUSAGES	GENERAL DELIVERY	NORTH LANCASTER	K0C 1Z0	(613) 347-2288		
0190	W.D. LEWIS MEATS LTD.	RR#6	NAPANEE	K7R 3L1	(613) 388-2355		
0183	W.L. GRAVELLE MEATS INC.	RR#3	HASTINGS	K0L 1Y0	(705) 295-6213		
95	WEILAND MEATS LTD.	340 CENTRE STREET	PETROLIA	N0N 1R0	(519) 882-1215		
0158	WINDCREST MEAT PACKERS	1350 SCUGOG - 3RD LINE	PORT PERRY	L9L 1A2	(905) 985-7267		
0249	ZADOW QUALITY MEATS	RR#2	EGANVILLE	K1J 1T0	(613) 628-1456		
0121	ZURICH ABATTOIR & MEAT MARKET	SOUTH GOSHEN ST. - BOX 454	ZURICH	N0M 2T0	(519) 236-7793		

**QUEBEC (FEDERALLY REGISTERED PLANTS)**

22	ABATTOIR AGRI-BIO INC.	999 RUE INDUSTRIELLE	ST-AGAPIT	G0S 1Z0	(418) 888-4554	(418) 888-4770	O,E
23	ABATTOIR NEAULT ET FILS INC.	897, RUE NOTRE-DAME	CHAMPLAIN	G0X 2B0	(819) 295-3939	(819) 259-3676	O
86	9027-2246 QUÉBEC INC.	160 RUE FOSTER	FOSTER, CTÉ DU LAC BROME	J0E 1R0	(514) 539-3556		O,E
154	ABATTOIR COOPÉRATIF LES VIANDES DE CHEZ-NOUS	385 RUE SAINT-EDMOND	LAC-AU-SAUM ON	G0J 1M0	(418) 778-3333		E
376	FIRME ROGER DUBREUIL INC.	172, RUE PRINCIPALE OUEST	STE-HÉNÉDINE BEAUCE- NORD	G0S 2R0	(418) 935-3935	(418) 935-7080	O,E
431	LES ENTREPRISES D'ALIMENTATION LEGAULT INC.,	C.P. 210	CTE BEAU- HARNOIS	J0S 1W0	(514) 371-0429		O,E
466	JACQUES FORGET LTEE.	2215 CHEMIN COMTOIS	ST-LOUIS DE TERREBONNE	J6W 5C7	(514) 477-1002	(514) 477-6841	O
475	ABATTOIR DE LUCEVILLE INC.	C.P. 69	LUCEVILLE	G0K 1E0	(418) 739-3544		O
505	BOUCHERIE LABROSSE & FILS INC.	517 RANG ST-JULIE	CTE PAPINEAU	J0V 1W0	(819) 983-7941		O,E

**QUEBEC (PROVINCIALY REGISTERED PLANTS)**

A-019	ABATTOIR LE VEAU DE CHARLEVOIX		CLERMONT				
A-017	ABATTOIR GILLES GUILLEMETTE INC.		SAINT-PAULIN				
A-155	ABATTOIR MORRISSETTE INC.		BÉCANCOUR				
A-175	BOUCHERIE ALPHONSE COTÉ		SAINTE-EULALIE				

QUEBEC (PROVINCIALY REGISTERED PLANTS) - con'd							
A-158	ABATTOIR RÉGIONAL DE COATICOOK		COATICOOK				
A-170	ABATTOIR ROUSSEAU INC		LINGWICK				
A-165	ABATTOIR DU TÉMISCAMINGUE		LORRAINVILLE				
A-161	ABATTOIR CHAREST DE DOSQUET INC.		SAINT-OCTAVE-DE-DOSQUET				
A-153	MARCHÉ D'ALIMENTATION NADEAU ET VALLÉE INC.		SAINT-ELZÉAR				
A-024	ABATTOIR DUCHARME INC.		SAINT-ALPHONSE				
A-172	ABATTOIR DUROY ET FRERES ENR.		SAINT-JOACHIM-DE-SHEFFORD				
NOVA SCOTIA (FEDERALLY REGISTERED PLANTS)							
26	ANTIGONISH ABATTOIR LIMITED	LOT #00098825, ANTIGONISH LANDING RD.	ANTIGONISH	B2G 2L2	(902) 863-1545		E

O = Ostrich

E = Emu

R = Rhea

Source: CFIA, OMAFRA, Alberta Agriculture Food & Rural Development, Quebec

***RATITE COOPERATIVES, CONSORTIA, ALLIANCES ETC.***

**Canadian Ostrich Ltd.**

Unit 210, 4320 Viking Way  
Richmond, BC  
V6V 2L4  
Tel.: (604) 541-6179  
Harold Harms

An ostrich marketing company working with the BC Coop (Fraser Valley) to market their meat and hides. Hides are tanned in BC (BC Fur) and some have been exported to Japan. Having problems finding markets for meat.

**Canadian Pride Ostrich International**

Contact: Faye Street  
Meadow Spring Ostrich Ranch  
P.O. Box 300  
Jaffray, BC  
V0B 1T0  
Tel.: (250) 429-3402  
Fax: (250) 429-3617  
Cell: 250-426-9827

A team of ostrich ranchers from across Canada with associate members in Australia, New Zealand, United States, Europe and South America which trains ostrich ranchers in all aspects of ostrich production including breeder management, feed programs, building design, incubation etc.

**Fraser Valley Ostrich Marketing Coop**

Contact: Rick Hallwachs  
10345, 212th Street  
Langley, BC  
V1M 3J6  
Tel./Fax: (604) 882-8718

**Prime Ostrich Products International Inc.**

8702a - 98 Street  
Morinville, Alberta  
T8R 1K6  
Tel.: (403) 939-3804  
Fax: (403) 939-4888  
Michelle Danyluik, Marketing Director

Private family owned company associated with the feed company Canadian Agri-Blend Ltd. Buys meat from producers all across Canada and markets domestically and internationally (started this year in South America). Offers a full range of meat products. Trying to ensure that producers use approved feed to give low fat, high protein meat. Two slaughter establishments used.

**Transcontinental Ostrich Products Inc.**

Box 13, Site 1, RR # 1  
Calgary, Alta  
T2P 2G4  
Tel/Fax: (403) 949-3249  
E-mail: top@cadvision.com  
Kim French, Vice President

The company arranges for bird slaughter and meat storage in return for hides. If required, markets meat.

**Agribird Marketing and Sales Inc.**  
 Suite 844, 105-150 Crowfoot Crescent  
 NW  
 Calgary, Alta.  
 T3G 3T2  
 Tel: (403) 932-5757  
 Fax: (403) 932-7564  
 E-mail: [jbarnes@compusmart.ab.ca](mailto:jbarnes@compusmart.ab.ca)  
 Judy Barnes

Ostrich Marketing, Promotional and Business  
 Planning - international marketing of live  
 birds, hatching eggs and meat (also markets  
 alternative species such as bison, wild boar,  
 elk etc.)

**Saskatchewan Ostrich Products  
 Cooperative Ltd.**  
 Contact: Janet Jeannotte  
 Box 40  
 Barthel, Saskatchewan  
 S0M 0C0  
 Tel./Fax: (306) 837-4541  
 Email: [jostrich@sk.sympatico.ca](mailto:jostrich@sk.sympatico.ca)

Categories: Meat Distributors & Brokers -  
 Meat Products

**Comet**  
 Contact: Ray Buisse, Director  
 Box 9, Group 545, RR #5  
 Winnipeg, Manitoba  
 R2C 2Z2  
 Tel.: (204) 224-2033  
 Fax: (204) 224-4019

Ostrich Export and Marketing Team -  
 international marketing of live birds and  
 hatching eggs

**Ostrich Products and Marketing Co-op  
 Ltd.**  
 Box 56  
 Teulon, Manitoba  
 R0C 3B0  
 Craig Murphy  
 Tel.: (204) 886-2342  
 Fax: (204) 886-3969

**Canadian Emu Cooperative Inc.**  
 Contact: John Hicknell  
 RR #1  
 Sebringville, Ontario  
 N0K 1X0  
 Tel./Fax: (519) 393-5728

**Oxford Exotics**

Contact: Peter Weil  
 Box 461  
 Tavistock, Ontario  
 N0B 2B0  
 Tel.: (519) 462-2863  
 Fax: (519) 462-1190

3 farms offering sales service support

**Ostrich Producers of Ontario**

Tel.: (905) 584-0199  
 Fax: (905) 584-4064  
 Patricia Raso

A marketing coop for live birds

**Coopérative des producteurs de ratites  
d'excellence du Québec**

Serge Bourdon  
 Tél.: (514) 796-4467  
 Fax: (514) 796-4469

**PEI Emu Coop**

c/o Mrs. Chris Judson, President  
 R. R. #3  
 Belle River, PEI  
 C0A 1B0  
 Tel.: (902) 659-2600  
 Fax: (902) 659-2700  
 e-mail: [judson@isn.net](mailto:judson@isn.net)

Formed in 1997. Birds are slaughtered in Nova Scotia and the meat returned to PEI where it is butchered and packaged at the PEI Food technology Centre. The Coop is also working with the Atlantic Veterinary College on clinical and other testing of other emu products, e.g. oils which will result in some published material.

**RATITE PROJECTS FUNDED BY FEDERAL  
AND PROVINCIAL GOVERNMENTS**

Project	Applicant	Year	Govt. Contribution	Govt. Funding Sources	Comments
Evaluation of Ratite Production in NFLD	Nfld	1996/97	\$ 40,000	Canada/NFLD Safety Nets Innovation Program	
Evaluation of Emu Production in PEI	PEI	1992/93	\$ 11,455	Canada/PEI Cooperation Agreement on Agriculture	
Evaluation of Emu Meat Quality	PEI	1996/97	\$ 8,800	NRC - \$ 8,800	CEMU & PEI Ratite Association
New Exporter to Border States (NEBS) Mission to Boston	PEI Ratite Association	1996	Approximately \$ 1,000	DFAIT	
Strategic Business Plan	PEI Ratite Association	1997	\$ 7,000	Canada/PEI Primary Resource Development Agreement	
Research and Development Aspects of Emu Oil and Meat	PEI	1997/2000	\$ 270,000	PEI Agricultural Research Investment Fund - \$ 120 k NRC - \$ 150 k	Funding under review PEI Ratite Assoc./ Meat Packers
Establishment of Emu Farms (2 projects)	N.S.	1995/96	\$200,000	Enterprise Cape Breton/ACOA	Loans and repayable contributions
On-farm Infrastructure	N.B.	1992/97	\$ 20,000	Canada/N.B. Cooperation Agreement on Agri-Food Development	
Establishment of Processing Plant	Wishbone Enterprises, N.B.	1996	\$ 44,800	ACOA/Government of N.B.	Approximately 50% of this in the form of repayable loan.
Development of Promotional Material	Wishbone Enterprises, N.B.	1996	\$ 1,600	Government of N.B.	
Attendance at Trade Show in U.S.	Wishbone Enterprises, N.B.	1996	\$ 1,393	Government of N.B.	
Development of Marketing Plan	Wishbone Enterprises, N.B.	1996	\$ 1,500	Government of N.B.	

Project	Applicant	Year	Govt. Contribution	Govt. Funding Sources	Comments
Production trials (2 ostrich, 2 emu and 1 rhea) in several regions	Québec	1991-1995	\$ 304,000	AAFC/MAPAQ ERDA	\$121 K from other sources
No details available	Québec				Financed by Provincial Associations
R&D project on emu oil; develop a Marketing Plan for emu products	CEMU, based in Ontario	1997	\$ 175,000	CanAdapt	\$100,000 - loan; \$75,000 - grant
Information meetings in Ontario	Ontario Ratite Association	1997	\$10,000	Canadapt (Safety Net Research & Development Program)	
Product Development for Game Meats (value added with emphasis on export)	King Cole Ducks, Beachgrove Country Meats, Sous-Vide Canada Inc. (Duck, emu)	1997	\$180,000 total for deer, elk, duck and emu	CanAdapt	
Assistance with export of emu meat products to the EU	Scarborough Meat Packers	1997	\$30,000	Industry Canada through PEMD	50/50 contribution
Ostrich Training Program	Manitoba Ostrich Industry Development Corp., Manitoba	1997/98	\$9,500	AAFC/AFT 2000	50/50 contribution
Visit to Texas Ratite Processing Plant	Sask. & Manitoba producers		\$3,961	AAFC/GRTGG	3 industry members, 1 AAFC
Participation in Trade Show at 'Prairie Ventures', Saskatoon	Sask. Ostrich Association, Sask.		\$1,800	PARD	
Honk Kong Marketing Promotion	Canadian Prairie Ostrich Co. Ltd., Sask.	1996	\$3,300	PARD	



<b>Project</b>	<b>Applicant</b>	<b>Year</b>	<b>Govt. Contribution</b>	<b>Govt. Funding Sources</b>	<b>Comments</b>
Visit to Ratite Trade Show	Brian English, emu producer, Sask.		\$500	PARD	
Research project at U of S to determine the composition of ostrich and emu oil	Sask.		\$1,500		
Production of a Meat Cutting Manual	Canadian Ostrich Association, national	1994/95	\$3,000	Alberta Provincial Government	
Production Management and Marketing Seminar - "Ostrichmania"	Canadian Ostrich Association, national	1994/95	\$4,000	AAFC/CAFDI	50/50 contribution
Market Assessment & Business Plan	Canadian Ostrich Association, national	1994/95	\$23,246	AAFC/CAFDI	50/50 contribution
Participation at an International meeting	Simba Enterprises, Alberta	1997	\$3,000	AAFC/AFT 2000	50/50 contribution

Total government funding: - \$1,138,855 (of which about 20% is a repayable loan)

## ***Selected Internet Ratite Sites and Ratite Addresses***

There are many ratite sites on the Internet, most of them commercial, although even these usually provide plenty of general information about the birds, their history and hints for raising them.

***The Ostrich Connection*** links to ostrich, emu and rhea producers, associations, marketing companies, equipment suppliers etc. - <http://www.bigbirds.com>

***Ostriches Online*** has many links to all areas in the industry. It also provides bibliographic references for ostrich, emu, rhea and cassowary - <http://www.ostrichonline.com>

A few companies which do not have internet sites, but which provide useful services are also listed.

### **Associations**

Alberta Ostrich Breeders Association  
[www.ostrichcentre.com/aoba](http://www.ostrichcentre.com/aoba)

The American Emu Association  
<http://www.aea-emu.org/>

The American Ostrich Association  
<http://www.ostriches.org/>

The Australian Ostrich Association -  
<http://www.farmwide.com.au/nff/ostrich/ostrich.htm>

British Columbia Emu Association (BCEA) - information about the Association, emu, economic comparison between raising emu and cattle, meat analysis and uses of their oil, their leather and their feather, meat cuts and recipes, BCEA events and links to related resources  
<http://www.bcemu.bc.ca/>

British Domesticated Ostrich Association  
<http://www.llais.demon.co.uk/bdoa/>

Canadian Ostrich Association  
<http://www.ostrich.ca/>

International Ostrich Association

<http://www.ioa-ostrich.com/>

New Brunswick Ratite Association

<http://members.tripod.com/~NBEA/>

New Mexico Ostrich Association

<http://www.ostrich.net/clients/nmoa/nmoa.html>

Ontario Ratite Association

<http://www.geocities.com/HotSprings/Villa/1225/webpage.html>

Saskatchewan Emu Association

<http://agrimark.com/users/saskemu/>

### **General**

Canadian Ostrich Magazine - subscription information and some articles

<http://www.islandnet.com/~ski/ostrich/cano.html/>

Canadian Ratite Home Page - Bibliographic references to Emus, Ostriches and Rheas in Canada, United States and Internationally

<http://duke.usask.ca/~ladd/ratfram.htm>

Alberta Agriculture - Commercial Ostrich Industry

<http://www.agric.gov.ab.ca/agdex/400/8483001.html>

Alberta Agriculture - Commercial Emu Industry

[http://www.agric.gov.ab.ca/agdex/400/484\\_830\\_2.html](http://www.agric.gov.ab.ca/agdex/400/484_830_2.html)

Alberta Agriculture - Commercial Rhea Industry

[http://www.agric.gov.ab.ca/agdex/400/484\\_830-3.html](http://www.agric.gov.ab.ca/agdex/400/484_830-3.html)

Crocker's Ostrich Page - provides links to associations, feed suppliers, meat suppliers, breeders, veterinarians, etc.

<http://www.islandnet.com/~ski/ostrich/canost.html>

Article on ostrich production

<http://www.ostrich.net/danna1.htm>

Guidelines for Successful Ostrich Farming

<http://studbook.co.za/osindex.html>

Information on Ostrich Meat (recipes, cooking, nutrition)

<http://grossostrich.com/whyeat.htm>

Manitoba Ostrich Skills Training - a comprehensive ostrich industry program

<http://www.cyberspc.mb.ca/~erroll/most/mission.html>

Ratite Meat Industry - University of California Cooperative Extension Services

<http://etx.ucdavis.edu/avs/Pfs17B.htm>

Ratite Notes - University of California Cooperative Extension Services

<http://etx.ucdavis.edu/avs/Pfs29.htm>

Texas Agricultural Extension Service - Emu Production

<http://gallus.tamu.edu/ratite/emu.html>

Ostrich Production

<http://gallus.tamu.edu/ratite/ostrich.html>

Planning for Profit - Emu Breeding Stock

<http://fbminet.ca/bc/pfp/Ent.pdf/emu.pdf>

Planning for Profit - Ostrich Breeding Stock

<http://fbminet.ca/bc/pfp/Ent.pdf/ostrich.pdf>

## **Commercial**

Agri Byte Inc. (Gentrak Software)

<http://www.ostrichcentre.com/agribyte>

The Aussie O Zone (formerly the Australian Ostrich Directory)

<http://www.esm.austasia.net/ostrich/>

Atlantic Ostrich Cooperative - suppliers of meat to North Carolina restaurants, delis etc.

<http://www2.eastlink.net/atlantic/Atlantic.htm>

Australian Emu International - supplier of emu products

<http://www.cbl.com.au/aei/>

Autruches Plus Inc. - supplier of ostrich and services to establish production

<http://www.danmedia.com/ads/>

Blue Mountain Ostrich Meats (supplier)

<http://www.blue-mountain.net/leanmeat/index.htm>

Canadian Emu Oil Limited - emu oil renderer

<http://www.emu.ca/>

CEMU : Canadian Emu Cooperative Inc. - goals and mission, nutritional information, recipes

<http://www.cemu.com/>

Carolina Outback - cooking facts and nutritional information on ostrich and emu

<http://beachsite.com/cob/cooking.htm>

Conklin Ratite Products

<http://www.conklin-web.com/ratites/frame3e.htm>

CyberCervus International - Wildlife industry on the Internet. Bison, elk/wapiti, red deer, reindeer, fallow deer, white tail and mule deer, llamas, alpacas, ratites etc.

International registry of farms, businesses and associations, stock prices, coming events, a forum for discussion, a bibliography of background materials and links to other reports <http://www.cybercervus.com/>

The Davis World Wide Emu Page

<http://mars.ark.com/%7Eemuzing/index.htm>

Di-Four Distributors - of emu oil

<http://www.emuoil.com/index.htm>

GCR - information about rhea products and their development

<http://rhealiving.com/>

Gauthier Emu Ranch, 3838 Bertie Street, Stevensville, ON, L0S 1S0, (905) 382-3838  
gauthierranch@softcom.ca - oil rendering

Global Ostrich Products

<http://www.ccint.com.au/Index.htm>

Gross Ostrich Farm (supplier in the Philippines)

<http://grossostrich.com/index.htm>

InnerSense International Inc. - a company producing natural nutritional supplements

<http://IDL.NET/ISI/index.shtml>

International Ostrich Corporation - meat marketing

<http://www.sonic.net/mfortsch/ostrich.html>

Johnson Emu, Inc. - US vertically integrated operation

<http://www.JohnsonEMU.com/>

Longview Farms - emu oil products

<http://www.longviewfarms.com/>

Marini Leather Company - tans ostrich, emu and rhea hides

<http://x86.intranet.ca/~marini/index.html>

Maverick Tannery and Leathers, Box 1795, Unity, Saskatchewan, S0K 4L0,

Tel.: (306) 228-3737, fax: (306) 228-4422; Ernie Stabler;

E-mail:curtis.hepting@sk.sympatico.ca (Hal & Brent Hepting) - hide tanning

N'Kobi Industries Inc. - Incubators, hatcheries and their air quality control equipment for big birds (ratites) are described

<http://www.nkobi.com/>

Ostrich Homepage provides links to suppliers of ostrich and ostrich products in Southern California

<http://home.earthlink.net/~smpinkowski/>

The Ostrich Meat and Marketing Company (Australia) Ltd.

<http://www.omm.com.au/>

Ostrim (facts about this ostrich snack)

[http://www.netrition.com/ostrim\\_page.html](http://www.netrition.com/ostrim_page.html)

Pro-Active Plus - ostrich feed care systems

<http://www.proactiveplus.com/ostart.htm>

Raté Enterprises Inc. (a private company marketing ostrich products)

<http://www.rateenterprises.com/>

R&M Ostrich Farms - supplier of chicks, eggs, feed, incubators, hatching equipment etc

<http://www.rm-ostrich.com/>

Rhessence - a company selling rhea oil based products

<http://www.rhessence.com/>

Southwest Connections - supplier of ostrich hide products

<http://www.southwestconnections.com/>

United Ratitie Cooperative (California)

<http://mbex.com/urc/>

Vision Ostrich International LLC - world-wide purveyor of ostrich and products. Site includes information on resources (books and seminars)

<http://www.visionostrich.com/>

## EU List of Approved Canadian Establishments Products of Animal Origin (excluding dairy)

### Animal Casings

No.	Name	Address	Date Approved	Date Deleted
1	BURNS MEAT LTD.	WINNIPEG, MANITOBA	Yes	
4	FEARMANS INC.	821 APPLEBY LINE, BURLINGTON, ONTARIO	Yes	
14	TORONTO ABATTOIRS LTD	2 TECUMSETH STREET, TORONTO, ONTARIO	Yes	
51	BETTER BEEF LTD	781 YORK ROAD, GUELPH, ONTARIO	Yes	
53	ABATTOIR COLBEX INC.	SAINT-CYRVILLE DE WENDOVER, QUEBEC	27/05/1999	
76	VIANDE RICHELIEU INC.	MASSUEVILLE, QUEBEC	27/05/1999	
93	CARGILL LTD	472 AVENUE AND HIGHWAY, 2A NORTH, HIGH RIVER, ALBERTA	Yes	
98	ABATTOIR LES CEDRES LTEE	LES CEDRES, QUEBEC	01/01/1999	
121	CANADA NEW ZEALAND CASINGS (1992) LTD	630 RUE WHITE STREET, ST LAURENT, MONTREAL, QUEBEC	Yes	
136	CWFC CANADA WEST FOODS (ALBERTA) CORP. (CANADA WEST FOOD CORPORATION)	INNISFAL ALBERTA	Yes	
147	SOCIETE EN COMMANDITE OLYEMEL #1/OLYMEL #1 OLYMEL #1 AND COMPANY LTD	BEAUCE, QUEBEC	01/01/1999	
236	MONTOUR LTD	555 RUE PORT ROYAL OUEST, MONTREAL, QUEBEC	Yes	
262	MGJ PACKERS INC. (MULLER'S MEATS LTD)	KITCHENER, ONTARIO	01/01/1999	
334	CONTINENTAL CASING (1976) INC	450 ST SIMON STREET, ST MADELEINE, QUEBEC	Yes	
390	F MARIE LTD	123 DENISON STREET, MARKHAM, ONTARIO	Yes	
394	620577 SASKATCHEWAN LTD (TIA WAN PORK INC: TAI WAN PACKERS INC)	MOOSE JAW SASKATCHEWAN	01/01/1999	
402	OVERSEA CASING CO. LTD	22958 FRASER HIGHWAY, LANGLEY, BRITISH COLOMBIA	Yes	
514	CANADIAN NATURAL CASINGS LTD	116 RYDING AVENUE, TORONTO, ONTARIO	Yes	



### Animal Casings (Cont'd)

No.	Name	Address	Date Approved	Date Deleted
531	QUALITE NATURELLE CHAMPLAIN LIMITER	11051 RUE MIRABEAU, VILLE D'ANJOU, QUEBEC		
262A	MAPLE FREEZERS INC. (MGI PACKERS INC.) (MULLER MEATS INC.)	KITCHENER, ONTARIO	01/01/1999	

#### Categories

SL: Slaughterhouse

### Fresh Meat

No.	Name	Address	SL	CP	CS	B	P	SP	SR	Date Approved	Date Deleted
4	MAPLE LEAF FOODS INC.	LES ALIMENTS MAPLE LEAF INC., BURLINGTON, ONTARIO	*				*		(2)	08/02/1996	
54	ALSASK BEEF COMPANY LTD	EDMONTON, ALBERTA	*	*		*			(4)	08/02/1996	
76	VIANDE RICHELIEU INC	MASSUEVILLE QUEBEC		*		*			(4)	03/04/1998	
"	"	"	*	*				*	(3) T	08/02/1996	
87	SOCIETE EN COMMANDITE OLYMEL	ST. SIMON, QUEBEC		*			*		(2) TF	08/02/1996	
147	SOCIETE EN COMMANDITE OLYMEL	VALLEE JUNCTION, QUEBEC	*				*		(2) TF	08/02/1996	
191	OR-FIL INC.	LAVAL, QUEBEC		*			*		TF	08/02/1996	
253	BARTON FEEDERS CO. LTD.	OWEN SOUND, ONTARIO	*	*				*	(3) T	08/02/1996	
320	SOCIETE EN COMMANDITE OLYMEL	ST. VALERIEN, QUEBEC	*				*			08/02/1996	
330	LES SALAISONS BROCHU INC	ST. HENRI, CTE LEVIS, QUEBEC	*				*		(2) TF	08/02/1996	
506	BOUVRY EXPORT CALGARY LTD.	FORT MACLEOD, ALBERTA	*	*				*	(3) T	08/02/1996	
"	"	"	*	*		*			(4)	08/02/1996	
235A	XL FOODS LTD.	CALGARY, ALBERTA		*		*			(4)	08/02/1996	
S-426	ICEBURG COLD STORAGE LTD	WINNIPEG							(1)	16/03/1999	
S-520	TRI-COUNTY APPLE GROWERS	TRENTON, ONTARIO			*				(1)	08/02/1996	
S-528	LANG'S COLD STORAGE	HAMILTON, ONTARIO			*				(1) TF	08/02/1996	

## Fresh Meat (Cont'd)

No.	Name	Address	SL	CP	CS	B	P	SP	SR	Date Approved	Date Deleted
S-529	CONESTOGA COLD STORAGE	MISSISSAUGA, ONTARIO			*				(1) TF	08/02/1996	
S-704	ENTREPOSAGE ST.HYACINTHE INC.	ST. HYACINTHE, QUEBEC			*				(1)	08/02/1996	
S-730	CENTRE FRIGORIFIQUE MONTEREGLE INC	SAINTE-JULIE QUEBEC			*				(1) TF	Yes	
S-738	FRIGO QUEBEC, A DIVISION OF VERSACOLD	LACHINE, QUEBEC			*				(1) TF	08/02/1996	
S-763	CONGEBEE LTEC	VILLE VANIER, QUEBEC			*				(1)	08/02/1996	
S-788	CONGEBEC SN INC	MONTREAL-NORD			*				(1) TF	08/02/1996	

(1) Packaged meat only

(2) Packaged offal only

(3) Livers and kidneys excluded

(4) Including bison

T The establishments with the indication 'T' are authorized, within the meaning of Article 4 of Directive 77/96/EEC, as last amended by Directive 94/59/EC, to perform the examination for detection of trichinae, provided for in Article 2.

TF The establishment is authorized, within the meaning of Article 4 of Directive 77/96/EEC, to perform the freezing treatment provided for in Article 3 of the same Directive.

### Categories

SL: Slaughterhouse

P: Pigmeat

CP: Cutting Premises

SP: Meat from solipeds

CS: Cold Store

SR: Special Remarks

B: Bovine Meat

## Fresh Poultrymeat

No.	Name	Address	SL	CP	SR	Date Approved	Date Deleted
63	NORTHERN GOOSE PROCESSORS LTD.	TEULON, MANITOBA	*	*		13/103/98	
123	PEMBINA POULTRY PACKERS LTD.	MORDEN, MANITOBA	*	*		12/12/96	

### Categories

SL: Slaughterhouse

CP: Cutting Premises

SR: Special Remarks

## Meat Preparations

No.	Name	Address	SR	Date Approved	Date Deleted
449	ALIMENTS LE NATUREL SKOULAKIS ENR.	65 RUE PEPIN, ST EUSTACHE, QUEBEC J7R S84	UK only	Yes	

### Categories

SR: Special Remarks

## Meat Products

No.	Name	Address	SR	Date Approved	Date Deleted
170	WING WING COMPANY LIMITED	VANCOUVER, BRITISH COLOMBIA	6 TF	26/03/1997	
55B	CAMPBELL SOUP COMPANY LTD/LES SOUPES CAMPBELL LTEE	LISTOWEL, QUEBEC	6	26/03/1997	

6 Countries and establishments complying with all requirements of Article 2(1) of Council Decision 95/408/EC.  
TF The establishments with the indication "TF" are authorized within the meaning of Article 4 of Directive 77/96/EEC to perform the freezing treatment provided for in Article 3 of the same Directive.

### Categories

SR: Special Remarks

## Rabbit Meat And Farmed Game Meat

No.	Name	Address	SL	CP	SR	Date Approved	Date Deleted
287	CANADIAN EMU PRODUCTS INTERNATIONAL INC	NIAGARA, ONTARIO, LOR 1YO	*	*	Ratites (UK only) b	27/10/1997	
506	BOUVRY EXPORT CALGARY LTD	PO BOX 2024, FORT MACLEOD, ALBERTA TOL 0Z0			emu/ostrich (UK only)	27/10/1997	

b Bi-Ungulates

### Categories

SL: Slaughterhouse CP: Cutting Premises SR: Special Remarks

## Wild Game Meat

No.	Name	Address	WG	SR	Date Approved	Date Deleted
54	EDMONTON MEAT PACKING LTD	EDMONTON ALBERTA	*	a	10/05/1998	

### Categories:

WG: Wild Game Processing  
 SR: Special Remarks

This list is maintained on a daily basis, and every effort is made to ensure that it is accurate. Trade conditions can however change very frequently, and the Ministry of Agriculture, Fisheries and Food can accept no liability for any loss caused by reliance on information in this list. In the case of any doubt, importers are advised to check the latest position with:

International Trade (Animal Products) Division,  
 Ministry of Agriculture, Fisheries and Food,  
 Government Buildings, Hook Rise South, Tolworth,  
 Surbiton, Surrey, KT6 7NF  
 (Tel: 0181 330 8340/8343; fax: 0181 337 3640).  
<http://www.maff.gov.uk/win-cgi/euacok.exe>