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Canada

Planting Seeds

U.S. Remains the Number 1 Supplier of Seeds to Canada 1999

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Report Highlights:

The value of Canadian seed imports climbed to \$109 million during MY 1997/98, an increase of over 47 percent from the previous year's level. The U.S. remains the number one supplier of seeds to Canada, with a market share of nearly 80 percent. Corn seed was the value leader from the U.S. (\$26 million), followed by forage seed (\$24 million), vegetable seed (\$12 million) and flower seeds (\$11 million).

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Table of Contents

Canadian Seed Imports 1997/98	Page 2 of 29
Planting Seed Consumption: Major Grains and Oilseeds	Page 2 of 29
Outlook for Grains/Oilseeds 1999/2000	Page 3 of 29
U.S.-Canada Record of Understanding (ROU)	Page 3 of 29
Amendment to the Plant Breeders' Rights Regulations	Page 4 of 29
Plant Gene Resources of Canada Moved to Saskatoon	Page 5 of 29
Canadian Food Inspection Agency and the Seeds Act	Page 5 of 29
Market Access Issues for Canadian Seeds: Novel Traits	Page 5 of 29
Status of Plants with Novel Trait That Have Been Approved for Use in Canada ...	Page 6 of 29
Estimated Percentage of Canadian Crops That Are Genetically Engineered	Page 7 of 29
For Additional Information Visit the Following Websites	Page 7 of 29
Imports of Planting Seeds, Value	Page 9 of 29
Imports of Seeds of Forage Plants, Volume	Page 10 of 29
Imports of Seeds of Forage Plants, Value	Page 11 of 29
Imports of Lucerne Seed for Sowing, Volume	Page 12 of 29
Imports of Lucerne Seed for Sowing, Value	Page 13 of 29
Imports of Kentucky Bluegrass Seed, Volume	Page 14 of 29
Imports of Kentucky Bluegrass Seed, Value	Page 15 of 29
Imports of Rye Grass Seed, Volume	Page 16 of 29
Imports of Rye Grass Seed, Value	Page 17 of 29
Imports of Vegetable Seed, Volume	Page 18 of 29
Imports of Vegetable Seed, Value	Page 19 of 29
Imports of Seeds of Herbaceous Plants, Volume	Page 20 of 29
Imports of Seeds of Herbaceous Plants, Value	Page 21 of 29
Imports of Seeds of Selected Grains for Sowing, Volume	Page 22 of 29
Imports of Grain Seeds for Sowing, Value	Page 23 of 29
Imports of Corn Seeds for Sowing, Volume	Page 24 of 29
Imports of Corn Seed for Sowing, Value	Page 25 of 29
Imports of Selected Oilseeds for Sowing, Volume	Page 26 of 29
Imports of Selected Oilseeds for Sowing, Value	Page 27 of 29
Imports of Sunflower Seeds for Sowing, Volume	Page 28 of 29
Imports of Sunflower Seed for Sowing, Value	Page 28 of 29
Imports of Soybean Seed for Sowing, Volume	Page 29 of 29
Imports of Soybean Seeds for Sowing, Value	Page 29 of 29

Canadian Seed Imports 1997/98

The value of Canadian seed imports climbed to \$109 million during MY 1997/98, an increase of over 47 percent from the previous year's level. The U.S. remains the number one supplier of seeds to Canada, with a market share of nearly 80 percent. Corn seed was the value leader from the U.S. (\$26 million), followed by forage seed (\$24 million), vegetable seed (\$12 million) and flower seeds (\$11 million).

Planting Seed Consumption: Major Grains and Oilseeds

PLANTING SEED CONSUMPTION			
MAJOR GRAINS AND OILSEEDS			
'000 METRIC TONS			
Commodity	Average	1996/97	1997/98
1992/93-1996/97			
Wheat	1,129	1,098	1,018
Oats	151	155	171
Barley	411	433	400
Corn	30	29	30
Rye	18	17	20
Flaxseed	30	36	32
Canola	34	35	35
Soybeans	59	71	66
Crop Years: August-July for wheat, oats, barley, rye, flaxseed, canola			
September-August for corn, soybeans			
SOURCE: Statistics Canada, Cereals and Oilseeds Review, November			
1998, Catalogue 22-007.			
r:\lotus\seeds\reqt98.wk4			

Outlook for Grains/Oilseeds 1999/2000

Canadian total grain area harvested in 1998/99 was just over 18 million hectares, 850,000 hectares lower than in 1997/98 and over 2 million below 1996/97. Summer fallow area was also down last year by 4%, to 5.5 million hectares. Area devoted to summer fallow now accounts for an estimated 19% of total crop area in western Canada, but the long term trend is for it to continue its decline of recent years, as new crop varieties and farm machinery are developed. In place of grains and summer fallow, area went into oilseeds and "special crops" (peas, lentils, mustard seed, sunflower and canaryseed). Canola area was the second highest on record at 5.4 million hectares, up 11%, while special crops area set another record, at 2 million hectares, up 24% from 1997/98.

In the grain sector, there were substantial shifts in the distribution of area among crops. Wheat area was 6% lower at 10.8 million hectares, the lowest since 1979; area of non durum spring wheat was the lowest in modern history at 8 million hectares, down 15%, while durum area was a record at 2.9 million hectares, up 32% over 1997/98. Compared to 1997, coarse grain area was down 3%, with barley down 9%, while rye was up 26% and oats and corn were up 6%.

The distribution of crops in 1999/00 will be according to relative prices, as it has been in the past. Total seeded area to grains will probably decrease slightly while area to oilseeds is expected to increase again. Most of the decrease in grain area will probably come out of area devoted to durum. Durum plantings are expected to drop by as much as 5-600,000 hectares, as the average crop year price for durum in 1998/99 was significantly below that of the previous year. Record durum production in 1998/99, combined with a slight decrease in exports, is expected to result in a 160% increase in ending stocks, to 2 million tons. Other wheat area is expected to increase slightly, as prices firmed a little over the previous year, due primarily to a lower Canadian dollar.

Coarse grain area is also expected to be down in 1999/00, led by another drop in barley area, as Lethbridge cash prices for off-Board barley during the crop year are expected to average 15% below the previous year. Barley exports in 1998/99 are expected to decrease, due primarily to a 50% increase in subsidized exports from the EU. This, combined with a drop in domestic feed barley use, due to reduced cattle and hog feeding, will result in a 10% increase in ending stocks. Area to corn in 1999/00 is expected to be unchanged, while area to other coarse grains (primarily oats) is expected to drop slightly.

Factors to watch between now and planting will include the strength of the Canadian dollar, the condition of southern hemisphere crops, the severity of the rest of winter and the demand this puts on feed use, and the pace of financial recovery in Asia, the FSU, and Brazil. A shift in demand growth for wheat in the world from Asia to the Middle East and South America could influence the variety of wheat grown in Canada, leading to less high quality wheat and more medium or feed quality wheat, with correspondingly higher yields.

U.S.-Canada Record of Understanding (ROU)

In December 1998, U.S. and Canada signed a Record of Understanding (ROU) designed to facilitate and expand U.S.-Canada bilateral trade in agriculture and Agri-food products. A component of the ROU is a 17-point action outlining specific commodity areas for expanding trade. Under seed trade, the Canadian Food Inspection Agency (CFIA) and USDA's Agricultural Marketing Service have agreed to meet with interested state, provincial and industry representatives in the first quarter of CY1999 to develop initiatives to streamline requirements and facilitate seed trade.

In the area of joint cooperation on biotechnology, the action plan includes the following language:

Canada and the United States have enjoyed continued cooperation in the area of agricultural biotechnology. Both countries use a science based approach to regulating products of biotechnology, including, but not limited to genetically enhanced products. This approach means that regulatory decisions are predicated on a critical assessment of the best available scientific information about the product and not on the process used to develop it.

In September 1998, Canadian and U.S. regulatory officials signed a technical agreement on the regulatory requirements for the assessment of specific aspects of transgenic plants. Canadian and U.S. regulatory officials will continue to meet to compare and harmonize where possible, the regulatory review process for transgenic plants and to discuss and prioritize future areas of cooperation and information exchange that will facilitate the safe incorporation of transgenic plants into agricultural production and commerce.

Canada and U.S. policy officials will continue to meet to discuss cooperation on multilateral biotechnology issues. Canada and the United States will continue to work closely in areas relating to biosafety including the U.N. Biosafety Protocol. Canada and the United States share common views on the subject of biotechnology in both the Sanitary and Phytosanitary and Technical Barriers to Trade Committees of the World Trade Organization. In addition, both countries are exploring the issue of how to deal with biotechnology within the WTO and its subsidiary agreements as well as other fora such as the Organization for Economic Cooperation and Development, CODEX ALIMENTARIUS Commission and Asia-Pacific Economic Cooperation. Canada and the United States will also work together to promote the science-based approach to regulating biotechnology, including capacity-building.

Additional information on the U.S.-Canada Record of Understanding may be obtained from the FAS Homepage:

<http://www.fas.usda.gov/itp/us-canada.html>

Amendment to the Plant Breeders' Rights Regulations

On December 23, 1998 an amendment to the Plant Breeders' Rights (PBR) legislation was implemented, providing for a voluntary system intended to enhance plant breeding activity in the public and private sectors, and resulting in improved access to more varieties for Canadian agricultural and horticultural producers. Under the new regulations, protection can be sought for a new plant variety belonging to any species (the exceptions are algae, bacteria, and fungi). Previously, applications for protection were accepted only for the following species, which were considered of importance to Canada: canola, chrysanthemum, soybean, rose, potato, wheat, oats, dianthus, poinsettia, strawberry, barley, flax, apple, alfalfa, bean, pea, potentilla, cherry, pear, African violet, yew, grapevine, corn, maple, begonia, mustard, clematis, creeping red fescue, impatiens, lentil, pelargonium, timothy, Kentucky bluegrass, peach, plum, raspberry, spirea, blueberry and viburnum.

The Act enables plant breeders of new, distinct, uniform and stable varieties to hold an exclusive right on their variety. The holder of a right in a variety has the exclusive right to produce and sell reproductive material of the variety; to repeatedly use the variety to produce another variety, to use ornamental plants or parts commercially as propagating material in the production of ornamental plants or cut flowers; and to license others to do any of the aforementioned. Duration of the right is 18 years, subject to earlier termination.

Plant Gene Resources of Canada Moved to Saskatoon

In April 1998, the renovated AGCANADA facilities at the University of Saskatchewan campus in Saskatoon became the permanent home for Plant Gene Resources of Canada, Canada's collection of about 750 million seeds. Press reports the collection contains the world's largest number of oat (30,000) and barley (43,000) samples, in addition to fifteen thousand wheat samples and tens of thousands of oilseed, pulse, forage and horticultural crops. Saskatoon was selected because of its booming plant biotech industry, estimated to be worth about \$100 million.

Canadian Food Inspection Agency and the Seeds Act

The Canadian Food Inspection Agency administers the Seeds Act, which sets conditions for the marketing of seed as well as standards and grading for seed in Canada. Provisions of the Seeds Act and Regulations that may affect U.S. planting seed exporters relate to: seed standards, seed certification, variety registration, evaluation of plants with novel traits, and packaging, labeling and tagging. Exporters planning to market seed in Canada should refer directly to the regulations and seek the advice of Canadian government officials. The regulations can be found on the Canadian Food Inspection Agency (CFIA) homepage at:

<http://www.cfia-acia.agr.ca/english/actsregs/seeds/seedre.html>

Market Access Issues for Canadian Seeds: Novel Traits

(The following is taken from an article by Bill Anderson, Ph.D., Saskatchewan Ag-biotech Regulatory Affairs Service (SARAS) printed in The AGBIOTECH Bulletin, Vol. 7, Issue 2, February 1999)

Canada regulates novel traits in plants. The means by which the plant incorporated this novel trait is irrelevant with respect to triggering Canadian regulation. However, the information required by regulatory agencies will differ depending on the ability to collect data for addressing a particular concern.

The Canadian Food Inspection Agency (CFIA) is responsible for assessing environmental and feed safety data for plants with novel traits (PNTs). These data are collected from field trial plots. Regulators determine if there is a potential negative impact on the environment by assessing, among other concerns, whether there is increased weediness or out-crossing compared to the plant's traditional counterpart. If the plant is determined to be substantially equivalent to its traditional counterpart it can receive unconfined release permission. The CFIA is also responsible for variety registration. Food safety in Canada is assessed by Health Canada's Health Protection Branch. Regulators assess whether there have been substantive changes in the plant with regard to allergens or nutritional composition.

In Canada, if a transgenic plant is determined to be "substantially equivalent" to its traditional counterpart, and imparts no additional environmental or health risks, it can obtain full unconditional and environmental release approval. The first transgenic varieties that received unconditional release approvals had agronomic traits incorporated (herbicide tolerance), and were therefore destined for the general grain handling system. There are no downstream benefits (values) added to the seed, and thus they do not warrant the cost of Identity Preserving (IP) or segregation from substantially equivalent non-GMO seeds.

Status of Plants with Novel Trait That Have Been Approved for Use in Canada

Status of Plants with Novel Trait That Have Been Approved for Use in Canada		
	Number of Types	
Crop	Approved	Novel Traits Approved
Canola	13	Pollination systems control mechanism
		Glufosinate tolerant
		Glyphosate tolerant
		Glufosinate ammonium tolerant
		Imidazolinone tolerant
		Higher quantities of laurate & myristate
		High oleic/low linolenic acid
		Bromoxynil tolerant
Tomato	3	Delayed ripening
Potato	2	Colorado Potato Beetle Resistant
Corn	14	Imidazolinone tolerant
		European Corn Borer Resistant
		Glufosinate tolerant
		Combined Corn Borer/glyphosate tolerant
		Sethoxydim tolerant
		Glufosinate ammonium tolerant
		Combined Corn Borer/glufosinate tolerant
		New Hybrid System
		Glyphosate resistant
Soybeans	1	Glyphosate tolerant
Flax	1	Sulfonylurea tolerant
Cotton Seed	3	Lepidopteran resistant
		Bromoxynil tolerant
		Glyphosate tolerant
Wheat	1	Imidazolinone tolerant
Squash	2	Virus resistant
Source: Plant Biotechnology Office, Canadian Food Inspection Agency;		
The AGBIOTECH Bulletin, Vol 7, Issue 2, February 1999		

Estimated Percentage of Canadian Crops That Are Genetically Engineered

Estimated Percentage of Canadian Crops That Are Genetically Engineered		
Crop	% Genetically Engineered	Reason
Canola	50%	Tolerates herbicides
Corn	15%	Tolerates herbicides
Soybeans	30%	Tolerates herbicides
Potatoes	20%	Resists beetles
Tomatoes	0 *	Delayed Ripening
* Approved, but not grown in Canada		
Source: University of Guelph, Department of Plant Agriculture;		
The Agbiotech Bulletin, Vol. 7, Issue 2 February 1999		

For Additional Information Visit the Following Websites

Seeds of plants with novel traits are subject to additional requirements which are outlined at the following web site:

<http://www.agr.ca/fpi/agbiotec/commarea/plants/home.html>

Additional information on importing seed into Canada can be obtained from:

Plant Products Division
 Canadian Food Inspection Agency
 59 Camelot Drive
 Nepean, Ontario Canada K1A 0Y9
 Tel: (613) 225-2342
 Fax: (613) 228-6629

The list of seed varieties which are registered in Canada is available at the following web site:

http://www.cfia-acia.agr.ca/english/plant/variety/99-01_e.html;

Further information may be obtained by contacting:

Louise Duke, Chief
 Variety Registration Office, Variety Section
 Plant Health and Production Division, Plant Products Directorate
 Canadian Food Inspection Agency

59 Camelot Drive
 Nepean, Ontario, Canada K1A 0Y9
 Phone: (613) 225-2342 ext. 4387
 Fax: (613) 228-6629

The general membership list of the Canadian Seed Trade Association identifies private seed companies that U.S. exporters may wish to contact directly. For a copy of the list and further information on the structure of the Canadian seed industry, contact the Canadian Seed Trade Association at the following address:

Canadian Seed Trade Association
 207-2948 Baseline Road
 Nepean, Ontario
 Canada K2H 8T5
 Telephone: (613) 829-9527

or visit the Canadian Seed Trade Association Internet site at:

<http://cdnseed.org>

Average Annual Exchange Rates	
Year	\$C IN U.S. FUNDS
1993	0.7753
1994	0.7321
1995	0.7285
1996	0.7334
1997	0.7223
1998	0.6743
Source: Bank of Canada Review	

Imports of Planting Seeds, Value

Canada: Imports of Seeds for Planting					
July/June Marketing Year					
Canadian Dollars					
	1993/94	1994/95	1995/96	1996/97	1997/98

United States	80,124,922	82,408,824	91,451,774	87,476,677	122,335,930
Netherlands	5,111,861	4,841,797	5,262,273	5,702,218	7,129,180
Chile	636,060	391,666	467,344	2,593,829	8,143,059
Germany	1,295,848	657,161	1,105,031	1,754,856	1,411,364
Denmark	676,868	409,201	2,332,839	1,167,966	473,983
Japan	791,510	550,552	1,015,883	783,612	1,595,205
France	731,748	860,623	684,737	933,373	1,114,041
United Kingdom	705,031	516,899	540,196	853,208	1,600,858
Uruguay	1,045,819	830,833	439,176		1,681,496
Italy	1,181,080	1,370,154	266,259	284,941	234,240
Others	2,818,747	3,155,839	3,352,026	3,246,815	9,101,284
Total	95,119,494	95,993,549	106,917,538	104,797,495	154,820,640
01-Feb-99					
allim98.wk4FAS/Ottawa-Source: Tiers; StatCan.					
Includes: HS1003009110/9210, 100510, 1008100010, 1008200010, 1201000010,					
1205000010, 1206000010, 1209					

Imports of Seeds of Forage Plants, Volume

Canada: Imports of Forage Seed					
July/June Marketing Year					
Kilograms					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	11,832,435	10,279,700	9,770,993	11,075,496	11,897,321
Denmark	179,814	151,309	955,961	342,708	178,995
Netherlands	516,575	276,183	156,941	122,430	170,426
Italy	519,997	512,215	38,375	22,900	20,138
Uruguay	319,996	345,673	76,595		337,589
New Zealand	198,648	203,318	198,484	171,545	218,155
Germany	288,360	57,571	84,673	39,006	389,058
Argentina	114,609	78,000	32,459		590,934
Belgium	102,502	90,233	60,719	54,178	208,575
Chile	209,163				234,619
Australia	25,526	50,225	79,493	71,322	206,247
Others	370,178	223,974	161,744	157,708	279,906
Total	14,677,803	12,268,401	11,616,437	12,057,293	14,731,963
01-Feb-99					
forim98.wk4-FAS/Ottawa-Source: Tiers; StatCan.					
Includes: HS120921/22/23/24/25/26/29					

Imports of Seeds of Forage Plants, Value

Canada: Imports of Forage Seeds					
July/June Marketing Year					
Canadian Dollars					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	33,047,311	26,621,602	25,958,013	28,237,506	33,994,506
Uruguay	1,045,819	830,833	439,176		1,681,496
Denmark	368,975	368,976	368,977	368,978	368,979
New Zealand	516,780	618,876	721,628	528,471	809,426
Italy	1,098,554	1,314,031	131,301	76,771	84,322
Netherlands	945,578	480,575	407,401	332,008	478,660
Argentina	197,719	122,735	54,479		1,821,980
Germany	683,306	179,452	239,177	180,305	546,915
Australia	90,764	132,317	271,306	346,808	793,633
Belgium	158,174	155,820	89,163	122,141	418,927
Chile	463,916				450,271
Others	767,214	388,512	2,037,675	934,886	674,000
Total	39,384,110	31,213,729	30,718,296	31,127,874	42,123,115
01-Feb-99					
fori\$.wk4.prn-FAS/Ottawa-Source: Tiers; StatCan.					
Includes: HS120921/22/23/24/25/26/29					

Imports of Lucerne Seed for Sowing, Volume

Canada: Imports of Lucerne Seed					
July/June Marketing Year					
Kilograms: HS120921					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	3,427,650	1,305,266	1,014,957	1,091,542	1,433,022
Italy	479,997	512,215	18,000		39
Australia	24,950	46,798	44,680	21,049	36,658
Afghanistan		105,978			
China, P. Rep.	13,394	15,894			3,325
Germany	2,401	19,999		1,098	1,000
Uruguay					20,970
Pakistan			20,000		
Canada	1,587		22	5,103	1,875
France	350	5,056	1,653		872
Netherlands		1,152	2,880		2,278
Argentina			459		4,513
Japan		4,582			
American Samoa				1,881	
Estonia	450				
Sweden					126
Total	3,950,779	2,016,940	1,102,651	1,120,673	1,504,678
01-Feb-99					
lucIm98.PRN-FAS/Ottawa-Data Source: Tiers Database--Statistics Canada.					

Imports of Lucerne Seed for Sowing, Value

Canada: Imports of Lucerne Seed					
July/June Marketing Year					
Canadian Dollars					
HS120921					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	10,866,626	10,866,627	10,866,628	10,866,629	10,866,630
Italy	1,028,024	1,314,031	52,640		99
Australia	89,039	122,037	149,790	89,893	203,891
Afghanistan		150,947			
Uruguay					119,943
China, P. Rep.	26,786	31,786			16,089
Germany	10,800	45,800		4,939	5,600
Pakistan			40,490		
France	1,572	22,746	7,438		4,159
Canada	5,817		122	20,299	9,634
Netherlands		5,182	5,759		12,490
Japan		20,615			
Argentina			2,064		15,141
American Samoa				8,461	
Estonia	1,677				
Sweden					912
Total	12,030,341	6,956,603	4,573,111	4,888,124	7,104,633
01-Feb-99					
lucIm98.PRN-FAS/Ottawa-Data Source: Tiers Database--Statistics Canada.					

Imports of Kentucky Bluegrass Seed, Volume

Canada: Imports of Kentucky Blue Grass Seed					
July/June Marketing Year					
Kilograms; HS 120924					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	1,698,553	2,132,905	1,341,356	2,399,572	2,564,922
Denmark	4,910	30,100	389,837	157,250	
Netherlands	74,659	20,000	35,067	19,400	
Sweden	12,931		5,000	14,257	
Canada				3,629	7,711
Germany			605	2,124	4,598
United Kingdom		88			
Total	1,791,053	2,183,093	1,771,865	2,596,232	2,577,231
01-Feb-99					
kenIm98.PRN-FAS/Ottawa-Data Source: Tiers Database--Statistics Canada.					

Imports of Kentucky Bluegrass Seed, Value

Canada: Imports of Kentucky Bluegrass Seed					
July/June Marketing Year					
Canadian Dollars; HS120924					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	6,437,085	6,437,087	6,437,089	6,437,091	6,437,093
Denmark	6,437,086	6,437,088	6,437,090	6,437,092	6,437,094
Netherlands	201,535	55,566	105,365	49,116	
Sweden	46,062		17,433	40,771	
Canada				23,143	45,706
Germany			4,233	13,776	26,982
United Kingdom		609			
Total	6,699,816	6,128,712	5,734,491	7,208,949	7,785,895
01-Feb-99					
kenIm98.PRN-FAS/Ottawa-Data Source: Tiers Database--Statistics Canada.					

Imports of Rye Grass Seed, Volume

Canada: Imports of Rye Grass Seed					
July/June Marketing Year					
Kilograms; HS120925					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	2,425,011	2,642,329	3,445,790	3,926,111	3,326,004
Netherlands	289,101	132,701	14,358	66,005	88,321
Belgium	82,502	88,233	59,978	50,607	170,000
Germany	25,800		20,225	16,843	322,983
Denmark	49,375		20,004	82,742	133,210
New Zealand	14,143	7,833	300	88,067	24,075
United Kingdom	38,633	1,063	2,605	60,625	2,386
Uruguay		105,022			
France	60,000			2,400	2
Australia				12,247	
Chile					10,200
Neth. Antilles					4,150
Slovakia					3,992
Italy			375	2,300	
Canada		1,814			2
Spain			750		
Total	2,984,565	2,978,995	3,564,385	4,307,947	4,085,325
01-Feb-99					
ryeIm98.PRN-FAS/Ottawa-Data Source: Tiers Database--Statistics Canada.					

Imports of Rye Grass Seed, Value

Canada: Imports of Rye Grass Seed					
July/June Marketing Year					
Canadian Dollars: HS120925					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	3,060,398	3,510,319	4,177,640	5,245,584	5,189,779
Netherlands	407,657	174,072	42,863	199,830	252,663
Belgium	127,304	150,822	87,311	114,659	339,706
Denmark	59,926		27,122	182,523	222,698
Germany	31,992		40,449	61,017	355,724
New Zealand	19,973	9,514	1,075	170,486	41,887
United Kingdom	53,464	2,421	10,504	154,529	5,298
Uruguay		114,566			
France	56,942			4,800	1
Australia				34,021	
Chile					24,282
Slovakia					10,888
Neth. Antilles					9,628
Italy			1,303	5,175	
Spain			3,652		
Canada		2,547			3
Total	3,817,656	3,964,261	4,391,919	6,172,624	6,452,557
01-Feb-99					
ryeIm98.PRN-FAS/Ottawa-Data Source: Tiers Database--Statistics Canada.					

Imports of Vegetable Seed, Volume

Canada: Imports of Vegetable Seeds					
July/June Marketing Year					
Kilograms; HS120991					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	1,186,418	1,044,379	1,316,089	1,123,821	1,236,721
Netherlands	227,366	113,613	119,816	127,018	126,604
China, P. Rep.	70,684	64,329	104,495	130,099	87,993
India	196,106	1,072	3,728	1,488	1,071
Chile	225	100,948	5,653	5,535	4,467
Denmark	19,846	59,486	99	312	4,329
Mexico	3	20,412	20,571	13,747	21,920
United Kingdom	2,357	19,943	1,872	26,380	16,781
Taiwan	736	24,074	2,555	2,580	14,949
Italy	5,719	4,261	4,001	11,524	9,150
Others	19,234	36,709	19,787	21,334	46,279
Total	1,728,694	1,489,226	1,598,666	1,463,838	1,570,264
01-Feb-99					
vegim98.wk4-FAS/Ottawa-Source: Tiers; StatCan.					

Imports of Vegetable Seed, Value

Canada: Imports of Vegetable Seeds					
July/June Marketing Year					
Canadian Dollars; HS120991					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	12,820,007	13,621,033	15,326,919	15,357,444	17,220,795
Netherlands	2,786,946	3,446,248	3,950,708	4,572,260	5,646,711
China, P. Rep.	234,621	216,164	361,546	349,755	391,837
United Kingdom	160,807	156,709	150,605	266,243	484,659
Japan	108,396	50,010	182,939	56,553	647,618
France	196,077	206,194	109,776	179,418	253,440
Chile	2,193	157,219	206,191	181,618	286,931
Hungary	109,169	207,278	124,539	126,493	134,124
Italy	68,688	53,881	92,718	173,899	117,717
Israel		99,050	36,115	48,324	249,260
Mexico	405	50,152	56,607	75,410	158,402
Others	440,461	355,355	238,423	425,452	438,630
Total	16,927,770	18,619,293	20,837,086	21,812,869	26,030,124
01-Feb-99					
vegi\$.wk4FAS/Ottawa-Source: Tiers; StatCan.					

Imports of Seeds of Herbaceous Plants, Volume

Canada: Imports of Seeds of Herbaceous Plants					
July/June Marketing Year					
Kilograms; HS120930					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	23,178	30,695	24,269	26,801	15,413
Netherlands	4,778	2,646	3,773	3,708	1,180
Germany	2,611	1,498	2,589	2,931	1,358
United Kingdom	543	1,092	1,944	1,745	5,071
France	1,684	1,676	823	2,441	327
Japan	2,309	1,122	979	1,369	715
Costa Rica	2,496	213	43	16	82
Denmark	602	141	306	301	484
Switzerland	25	121	1	16	383
Italy	36	3	114	68	15
Guatemala			29	4	190
Others	77	26	133	205	506
Total	38,339	39,233	35,003	39,605	25,724
02-Feb-99					
herim98.wk4-FAS/Ottawa-Source: Tiers; StatCan.					

Imports of Seeds of Herbaceous Plants, Value

Canada: Imports of Seeds of Herbaceous Plants					
July/June Marketing Year					
Canadian Dollars; HS120930					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	7,451,291	10,795,140	10,787,510	11,570,312	16,070,311
Netherlands	1,346,557	854,200	856,463	740,140	952,142
Germany	582,849	452,202	828,792	1,496,933	764,301
Japan	672,909	435,309	803,978	701,170	922,021
United Kingdom	324,080	287,506	332,625	386,516	1,038,181
France	207,378	242,594	154,379	281,179	274,395
Denmark	166,808	41,458	188,607	304,935	108,927
Costa Rica	443,142	204,392	23,993	19,177	31,057
Guatemala			75,379	2,023	246,498
Sudan					277,426
Switzerland	38,716	14,722	1,414	3,150	193,003
Others	22,437	7,958	190,312	45,862	291,965
Total	11,256,167	13,335,481	14,243,452	15,551,397	21,170,227
02-Feb-99					
heri\$98.wk4-FAS/Ottawa-Source: Tiers; StatCan.					

Imports of Seeds of Selected Grains for Sowing, Volume

Canada: Imports of Grain Seed for Sowing					
July/June Marketing Year					
Kilograms; HS1003009110, HS100510, HS1008100010					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	10,904	15,646	20,513	12,099	22,108
Chile	50	47	50	1,098	4,082
France	102	107	154	278	264
Thailand		20			
Canada				0	19
Japan		17			
New Zealand				3	13
Hungary	8				
China, P. Rep.			6		1
India		5			
Germany					4
Others	0	0	0	5	11
Total	11,064	15,842	20,723	13,483	26,502
02-Feb-99					
grain98.prn-FAS/Ottawa-Source: Tiers; StatCan.					

Imports of Grain Seeds for Sowing, Value

Canada: Imports of Grain for Sowing					
July/June Marketing Year					
Canadian Dollars; HS1003009110/9210, HS100510, HS1008100010					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	14,684,688	20,546,884	28,183,926	22,036,052	38,177,374
Chile	157,650	233,108	121,267	2,147,764	6,924,491
France	224,484	268,429	387,030	382,884	547,112
Canada				550	35,410
Thailand		11,288			
Japan		9,630			
Hungary	7,452				
Mexico				149	3,638
China, P. Rep.			2,605		567
New Zealand				112	2,326
India		2,390			
Others	0	0	0	3,424	1,280
Total	15,074,274	21,071,729	28,694,828	24,570,935	45,692,198
02-Feb-99					
grai\$.wk4-FAS/Ottawa-Source: Tiers; StatCan.					

Imports of Corn Seeds for Sowing, Volume

Canads: Imports of Corn Seed for Sowing					
July/June Marketing Year					
Kilograms; HS100510					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	10,765	15,617	19,256	10,934	19,563
Chile	50	47	50	1,091	3,964
France	102	107	154	278	264
Canada				0	19
Hungary	8				
India		5			
New Zealand				3	2
Mexico				0	4
Austria				1	1
Peru				2	
China, P. Rep.					1
Italy				1	
United Kingdom					1
Argentina					0
Total	10,925	15,776	19,460	12,310	23,819
02-Feb-99					
corIm98.PRN-FAS/Ottawa-Data Source: Tiers Database--Statistics Canada.					

Imports of Corn Seed for Sowing, Value

Canada: Imports of Corn Seed for Sowing					
July/June Marketing Year					
Canadian Dollars					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	14,609,815	20,531,331	27,704,884	21,674,578	37,353,753
Chile	157,650	233,108	121,267	2,144,285	6,874,798
France	224,484	268,429	387,030	382,884	547,112
Canada				550	35,410
Hungary	7,452				
Mexico				149	3,638
India		2,390			
Peru				2,281	
China, P. Rep.					567
Italy				530	
United Kingdom					240
New Zealand				112	102
Austria				40	120
Argentina					116
Total	14,999,401	21,035,258	28,213,181	24,205,409	44,815,856
02-Feb-99					
corIm98.PRN-FAS/Ottawa-Data Source: Tiers Database--Statistics Canada.					

Imports of Selected Oilseeds for Sowing, Volume

Canada: Imports of Selected Oilseeds for Sowing					
July/June Marketing Year					
Kilograms; HS1201000010, HS1205000010, HS1206000010					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	3,164,930	2,186,947	3,769,429	4,482,416	10,116,162
Chile	15,886		44,296	104,442	508,846
Argentina	706		2,831		323,451
Australia		25,194	18,708	3,721	277,738
Japan	9,298		100	21,036	5,609
New Zealand			11,900	443	
Belgium				5,271	6,461
United Kingdom				600	5,225
Germany		1,400		600	2,611
China, P. Rep.					3,761
Canada	3,062			58	
Denmark				315	1,584
Korea, South					580
Sweden	476				11
Total	3,194,358	2,213,541	3,847,264	4,618,902	11,252,039
02-Feb-99					
oilIm98.PRN-FAS/Ottawa-Data Source: Tiers Database--Statistics Canada.					

Imports of Selected Oilseeds for Sowing, Value

Canada: Imports of Selected Oilseeds for Sowing					
July/June Marketing Year					
Canadian Dollars; HS1201000010, HS1205000010, HS1206000010					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	4,355,795	3,058,872	3,376,240	3,482,472	8,824,847
Australia		252,682	142,748	5,129	461,458
Chile	9,069		117,878	231,004	458,077
Argentina	3,878		7,077		230,094
New Zealand			37,643	1,947	
Japan	3,694		548	12,320	5,565
Belgium				7,906	8,807
Germany		2,800		2,915	4,509
United Kingdom				1,401	8,443
Canada	7,479			316	
Denmark				1,783	2,397
China, P. Rep.					1,724
Sweden	713				24
Korea, South					272
Total	4,380,628	3,314,354	3,682,134	3,747,193	10,006,217
02-Feb-99					
oilIm98.PRN-FAS/Ottawa-Data Source: Tiers Database--Statistics Canada.					

Imports of Sunflower Seeds for Sowing, Volume

Canada: Imports of Sunflower Seed for Sowing					
July/June Marketing Year					
Kilograms; HS1206000010					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	541,021	286,478	264,820	229,353	1,685,307
United Kingdom				100	5,225
Argentina	706		2,831		
Japan			100	505	2,476
Chile			120		
Canada				58	
Total	541,727	286,478	267,871	230,016	1,693,008
02-Feb-99					
sunIm98.PRN-FAS/Ottawa-Data Source: Tiers Database--Statistics Canada.					

Imports of Sunflower Seed for Sowing, Value

Canada: Imports of Sunflower Seed for Sowing					
July/June Marketing Year					
Canadian Dollars; HS1206000010					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	3,154,914	1,735,261	1,469,474	1,275,661	2,235,834
Argentina	3,878		7,077		
United Kingdom				544	8,443
Japan			548	2,719	3,651
Chile			819		
Canada				316	
Total	3,158,792	1,735,261	1,477,918	1,279,240	2,247,928
02-Feb-99					
sunIm98.PRN-FAS/Ottawa-Data Source: Tiers Database--Statistics Canada.					

Imports of Soybean Seed for Sowing, Volume

Canada: Imports of Soybean Seeds for Sowing					
July/June Marketing Year					
Kilograms; HS1201					
	1993/94	1994/95	1995/96	1996/97	1997/98
United States	2,583,268	1,517,032	3,274,951	4,145,613	6,255,308
Chile	14,056			22,916	353,295
Argentina					289,250
Japan	9,298			20,531	3,133
China, P. Rep.					3,761
Korea, South					580
Total	2,606,622	1,517,032	3,274,951	4,189,060	6,905,327
02-Feb-99					
soyIm98.PRN-FAS/Ottawa-Data Source: Tiers Database--Statistics Canada.					

Imports of Soybean Seeds for Sowing, Value

Canada: Imports of Soybean Seeds for Sowing						
July/June Marketing Year						
Canadian Dollars; HS1201						
	1993/94	1994/95	1995/96	1996/97	1997/98	Total
United States	1,138,248	671,288	1,517,960	2,002,274	3,143,527	8,473,297
Chile	6,325			13,110	202,917	222,352
Argentina					165,040	165,040
Japan	3,694			9,601	1,914	15,209
China, P. Rep.					1,724	1,724
Korea, South					272	272
Total	1,148,267	671,288	1,517,960	2,024,985	3,515,394	8,877,894
02-Feb-99						
soyIm98.PRN-FAS/Ottawa-Data Source: Tiers Database--Statistics Canada.						