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ALBERTA TARIFF REDUCTION AND  
ELIMINATION PRIORITIES, 2001

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## INTRODUCTION

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This study is based on data of exports from Alberta in 2000. It is intended to assist in the identification of current and potential foreign markets deserving tariff reduction/elimination efforts and it is a guide to which products should be prioritised in future multilateral trade negotiations.

The analysis is focused on those countries with which Canada does not have a Free Trade Agreement. For this purpose, Chile, Costa Rica, Israel, Mexico and the United States are not included.

### FORMAT

The products are classified according to the Harmonized Tariff Coding System (HS Codes). HS Chapters or group of like Chapters divides the study, and the product description is detailed at the 6-digit level in the HS coding system.

The threshold used for this study is CAD 500,000 in total shipment value to non-FTA countries in 2000. Differing from the previous study by Hou (1999), products for which the **sum** of Alberta exports to non-FTA countries met the threshold were included, even if no particular country individually met the threshold. As a result, the number of products included is larger than in the previous version.

In each Chapter, three items are shown:

1. *Summary Tables of Bound Tariffs and Export Values for 2000*: Tables provide detailed information about selected products in each HS Chapter or group of similar Chapters. It includes the bound tariffs they face in the various countries, as well as the total value of exports for selected countries.
2. *Tabulation of Recent Export Values*: Tables summarize the total annual export value of selected products for the 1995 to 2000 period. The total values shown represent shipments to all non-FTA countries, and are intended to demonstrate variations/fluctuations in the level of exports, as well as to identify trends in the non-FTA markets.
3. *Comparison of Alberta's Exports in 2000 to non-FTA and FTA Nations*: Charts provide a comparison of total volume of exports between non-FTA and FTA countries for selected products.

### THE SUMMARY TABLES OF BOUND TARIFFS AND EXPORT VALUES FOR 2000

The maximum tariff that can be imposed as a result of concessions made during the Uruguay Round is referred as the "Bound Rate". The availability of data limited this study as the Bound Rate of WTO member countries as reported in the Tariff Schedule from the Uruguay Round of negotiations in 1996.

However, many non-WTO members received significant levels of exports from Alberta in 2000. These countries were included in the study and are denoted in italics within the tables.

Members of Asia-Pacific Economic Cooperation (APEC) have more updated information regarding tariffs. For the most part, these countries provide their APEC

Most-Favoured-Nation (MFN) tariff levels in a publicly accessible database. As Canada is part of APEC, the MFN tariff is shown for these countries.

For countries that are members of both WTO and APEC, the tariff rate considered for the purpose of this study is the one provided at the APEC website. The reason for discarding the information of the Uruguay Round for these countries is that the MFN rates for APEC are more up-to-date than the Bound Rates agreed at the Uruguay Round.

Therefore, the tariff rates presented for the following countries are the ones published at the APEC website: China, Taiwan, Hong Kong, Australia, Korea, Japan, Philippines, Malaysia, New Zealand, Indonesia, Peru and Singapore.

Even though Russia, Thailand and Vietnam are members of APEC, their tariff information is not available. In these cases, as well for other countries when tariff information is unavailable, the summary tables show "n.a." ("not available").

Members of the European Community are simply grouped as the "EU 15". Its members are Belgium, Germany, France, Italy, Luxembourg, Netherlands, Denmark, Ireland, United Kingdom, Spain, Portugal, Greece, Austria, Finland and Sweden.

## NOTES

As the threshold of CAD 500,000 is used to filter the level of exports, this study does not capture all potentially valuable products exported and facing restrictive barriers abroad.

Further, this study focuses on WTO "bound" rates. It is possible, however, that a country is applying duty rates that vary from the bound rates listed in its WTO Schedule. The "bound" duty represents the maximum tariff a country may legally charge on imports, but is not necessarily the actual duty currently imposed.

Concordance problems may arise when the tariffs are applied at 8 or 10-digit level, since countries classify goods at their discretion at these levels. This study reconciles these variations by providing the range within which these tariffs fall at the 6-digit level.

Exports from Alberta accounted for more than \$55 billion in 2000. The United States is the primary destination of Alberta products (88.3%), and the FTA nations all together account for more than 89.2% of total exports. Non-FTA nations imported a total of \$5.9 billion in 2000 or 10.8% of total exports. In general terms the top-10 non-FTA destinations for Alberta products are Japan, the European Communities (EU 15), China, South Korea, Taiwan, Iran, Australia, Brazil, Indonesia and Venezuela. The top 4 together represent 6.6% of total exports, or 62% of exports to non-FTA countries.

## SECTION 1 – AGRICULTURAL PRODUCTS

### HS CHAPTER 1 – LIVE ANIMALS

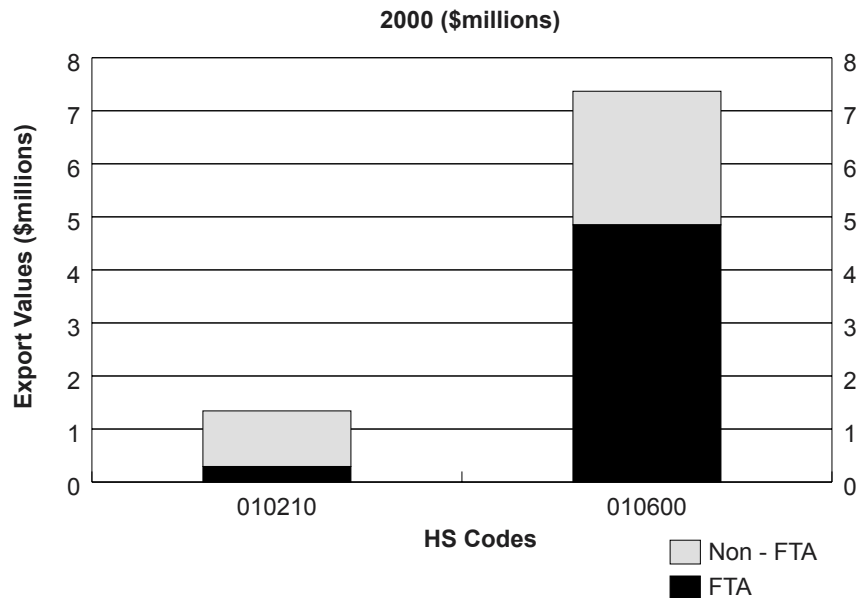
**Table 1. Bound Tariff Summary: Chapter 1**

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
010210	Bovine, Pure Breeding	China	0%	0.922
		EU 15	0%	0.115
010600	Other Live Animals	EU 15	0 - 6.4%	2.232
		South Korea	8%	0.258

**Table 2. Alberta's Annual Chapter 1 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
010210	Bovine, Pure Breeding	0.218	1.001	3.883	0.143	0.648	1.048
010600	Other Live Animals	0.620	-	2.069	0.165	0.625	2.519

**Figure 1. Total Alberta's Chapter 1 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



## HS CHAPTER 2 – MEAT AND EDIBLE MEAT OFFAL

**Table 3. Bound Tariff Summary: Chapter 2**

<b>HS</b>	<b>Description</b>	<b>Market</b>	<b>Bound Rate</b>	<b>2000 Exports (\$millions)</b>
020120	Beef, Fresh/Chilled, Cuts Bone-in	Japan	50%	1.277
		South Korea	40%	0.897
		<i>Taiwan</i>	38 NT/kg / 30%	0.151
		Hong Kong	0%	0.062
020130	Beef, Fresh/Chilled, Cuts Boneless	Japan	50%	22.676
		South Korea	40%	2.481
		EU 15	12.8%	1.240
		<i>Taiwan</i>	38 NT/kg / 30%	1.005
		Switzerland	Fr 2212 / 100 kg	0.660
020210	Beef, Frozen, Carcass Whole/Half	Hong Kong	0%	0.565
		South Korea	40%	0.540
		<i>Taiwan</i>	38 NT/kg / 30%	0.138
020220	Beef, Frozen, Cuts Bone-in	Japan	50%	0.103
		South Korea	44%	32.634
		<i>Taiwan</i>	38 NT/kg / 30%	5.779
		Japan	50%	1.692
020230	Beef, Frozen, Cuts Boneless	Hong Kong	0%	1.392
		South Korea	44%	33.164
		Japan	50%	30.114
		<i>Taiwan</i>	38 NT/kg / 30%	2.650
		Hong Kong	0%	0.960
020319	Pork, Fresh	<i>China</i>	45% (MFN)	0.136
		Japan	0 - 4.3% / ¥ 482/kg	38.369
020329	Pork, Frozen, Cuts Boneless	Japan	5%	39.983
		South Korea	25%	0.650
		Philippines	30 - 60%	0.390
		Cuba	40%	0.193
		Australia	0%	0.188
		Hong Kong	0%	0.180
		New Zealand*	0.0%	0.170

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
020500	Horses, Asses, Mules	EU 15	5.1%	24.708
		Japan	0%	17.192
		Switzerland	Fr 1459 / 100 kg	9.010
020621	Edible Animal Offal, Frozen Bovine Tongues	Japan	13.2 - 21.9%	28.209
020622	Edible Animal Offal, Frozen Bovine Liver	Peru	12%	1.502
		<i>Russia</i>	n.a.	0.868
		Venezuela	90%	0.336
		Cuba	40%	0.241
		Japan	15.0%	0.197
		Colombia	90%	0.126
020629	Edible Animal Offal, Frozen Other Bovine	Japan	15 - 50%	6.339
		South Korea	18.8%	4.712
		Hong Kong	0%	1.606
		<i>China</i>	30%	0.621
020649	Edible Animal Offal, Frozen Other Swine	Japan	0 - 10%	1.426
		Malaysia	0%	0.190
		Peru	12%	0.153
		Hong Kong	0%	0.149
020714	Chicken Cuts and Offal, Frozen	Cuba	40%	1.072
		Hong Kong	0%	0.657
		Phillipines	45 - 60%	0.289
		<i>China</i>	20% (MFN)	0.177
		South Africa	82%	0.155

\* New Zealand has a special rate for Canada

Alberta beef continue to be exported to Asia, Japan and South Korea being the most important non-FTA countries where frozen cuts are concerned. The tariffs faced at these destinations are high, typically ranging 40% to 50%. However, the volume of fresh beef exported to the US by far exceeds the volumes shipped to other destinations.

Europe is the main destination for horsemeat, while Japan continues to be the main destination for pork exports. The total volume of exports of HS 020329 (frozen boneless pork cuts) to non-FTA countries doubled in 2000. The bound tariffs imposed by Japan on pork are not as restrictive as those imposed on beef.

Asia is also the main non-FTA destination of several types of edible offal. The tariff restrictions for these products also deserve consideration for reduction efforts.

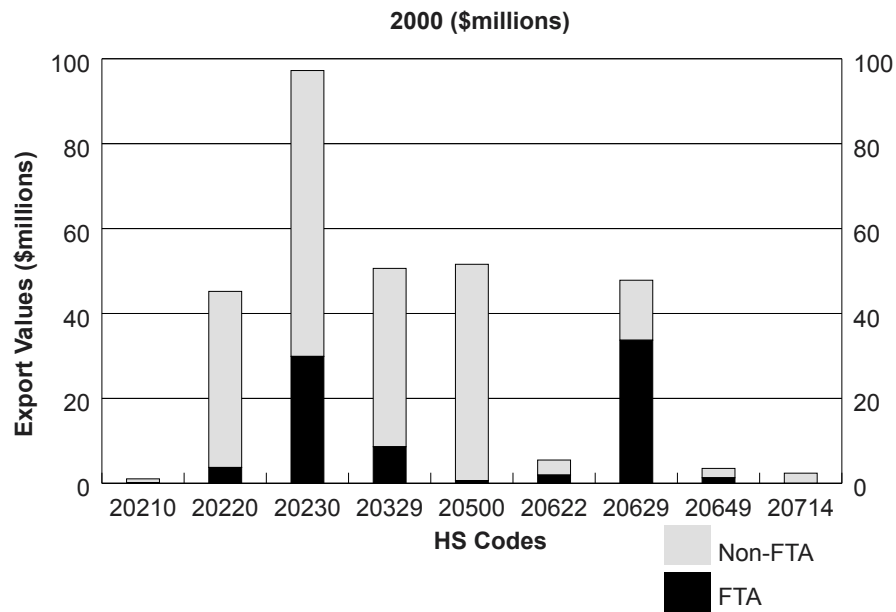
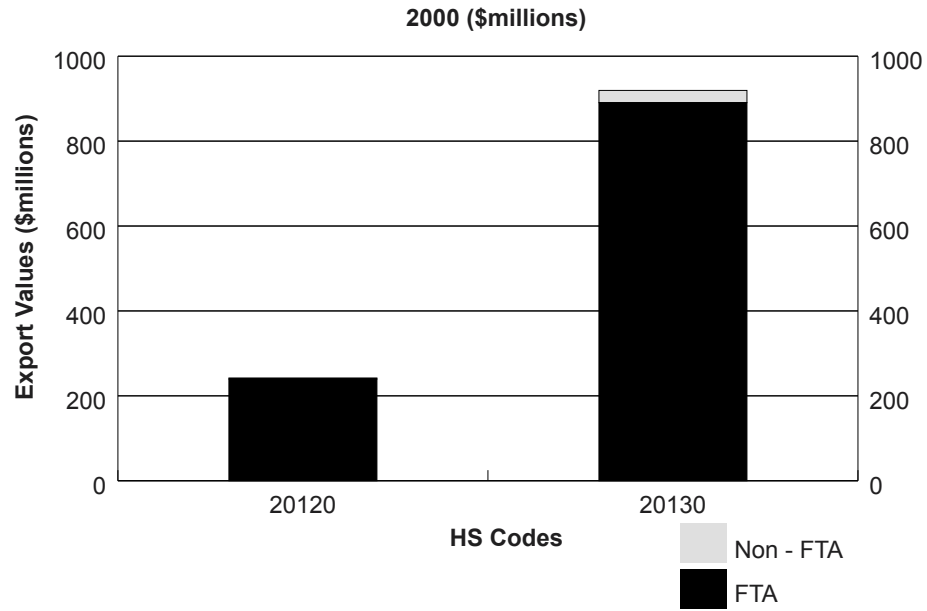
Frozen chicken cuts exports continue to rise. Total exports to non-FTA nations were above \$2.3 million in 2000, Cuba being the most important destination where the bound tariff imposed is high (40%).

**Table 4. Alberta's Annual Chapter 2 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
020120	<b>Beef, Fresh/Chilled, Cuts Bone-in</b>	<b>0.198</b>	<b>1.407</b>	<b>1.565</b>	<b>2.192</b>	<b>1.055</b>	<b>2.406</b>
020130	<b>Beef, Fresh/Chilled, Cuts Boneless</b>	<b>10.141</b>	<b>3.294</b>	<b>6.215</b>	<b>7.144</b>	<b>20.578</b>	<b>28.787</b>
020210	<b>Beef, Frozen, Carcass Whole/Half</b>	<b>–</b>	<b>–</b>	<b>–</b>	<b>0.080</b>	<b>0.086</b>	<b>0.879</b>
020220	<b>Beef, Frozen, Cuts Bone-in</b>	<b>9.712</b>	<b>7.535</b>	<b>11.856</b>	<b>12.097</b>	<b>14.247</b>	<b>41.468</b>
020230	<b>Beef, Frozen, Cuts Boneless</b>	<b>11.970</b>	<b>12.608</b>	<b>30.624</b>	<b>36.709</b>	<b>44.048</b>	<b>67.328</b>
020319	<b>Pork, Fresh</b>	<b>5.277</b>	<b>6.341</b>	<b>21.402</b>	<b>6.686</b>	<b>12.598</b>	<b>38.375</b>
020329	<b>Pork, Frozen, Cuts Boneless</b>	<b>20.480</b>	<b>19.920</b>	<b>31.987</b>	<b>12.606</b>	<b>19.630</b>	<b>42.003</b>
020500	<b>Horses, Asses, Mules</b>	<b>44.312</b>	<b>47.765</b>	<b>59.365</b>	<b>62.501</b>	<b>53.961</b>	<b>50.933</b>
020621	<b>Edible Animal Offal, Frozen Bovine Tongues</b>	<b>11.784</b>	<b>15.668</b>	<b>9.930</b>	<b>16.460</b>	<b>15.671</b>	<b>28.209</b>
020622	<b>Edible Animal Offal, Frozen Bovine Liver</b>	<b>2.159</b>	<b>3.065</b>	<b>2.447</b>	<b>3.080</b>	<b>2.650</b>	<b>3.533</b>
020629	<b>Edible Animal Offal, Frozen Other Bovine</b>	<b>9.426</b>	<b>10.061</b>	<b>8.812</b>	<b>12.766</b>	<b>9.528</b>	<b>14.123</b>
020649	<b>Edible Animal Offal, Frozen Other Swine</b>	<b>4.542</b>	<b>5.295</b>	<b>6.674</b>	<b>2.029</b>	<b>1.680</b>	<b>2.199</b>
020714	<b>Chicken Cuts and Offal, Frozen</b>	<b>–</b>	<b>–</b>	<b>0.995</b>	<b>1.668</b>	<b>1.496</b>	<b>2.388</b>



**Figure 2. Total Alberta's Chapter 2 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



**HS CHAPTER 4 – DAIRY, EGGS, HONEY, ETC.**

**Table 5. Bound Tariff Summary: Chapter 4**

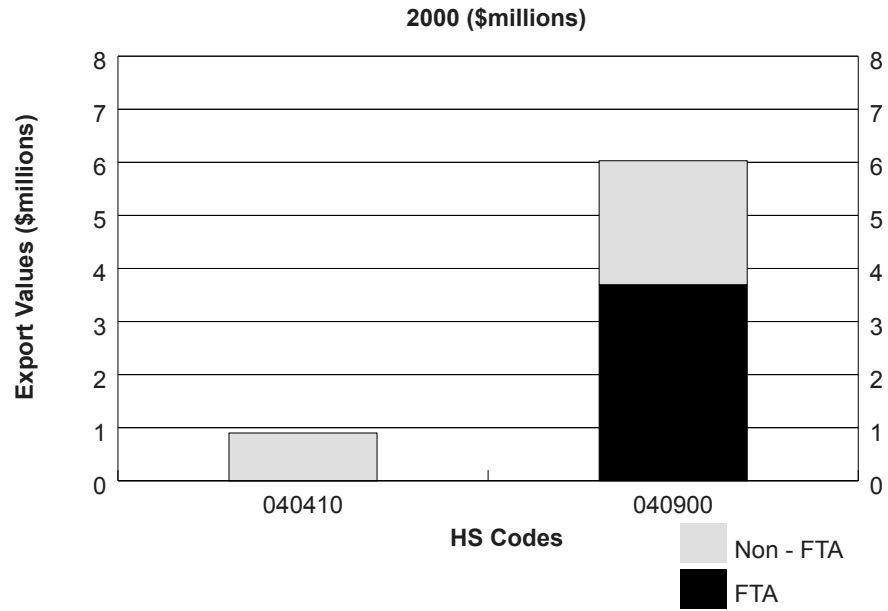
HS	Description	Market	Bound Rate	2000 Exports (\$millions)
040410	<b>Whey</b>	<b>Japan</b>	<b>29.8% / ¥ 425/kg</b>	<b>0.572</b>
		<b>Vietnam</b>	<b>n.a.</b>	<b>0.163</b>
		<b>Taiwan</b>	<b>0 - 10%</b>	<b>0.075</b>
040900	<b>Natural Honey</b>	<b>EU 15</b>	<b>17.3%</b>	<b>1.912</b>
		<b>Japan</b>	<b>26.3%</b>	<b>0.430</b>

Alberta honey exports recovered in 2000, reaching \$6 million, of which \$2.3 million were shipped to non-FTA countries. The EU 15 is the primary destination and the bound rate faced is 17.3%.

**Table 6. Alberta's Annual Chapter 4 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
040410	<b>Whey</b>	-	-	-	-	-	<b>0.898</b>
040900	<b>Natural Honey</b>	<b>2.980</b>	<b>1.951</b>	<b>4.451</b>	<b>6.026</b>	<b>0.041</b>	<b>2.343</b>

**Figure 3. Total Alberta's Chapter 4 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



HS CHAPTER 5 – OTHER PRODUCTS OF ANIMAL ORIGIN

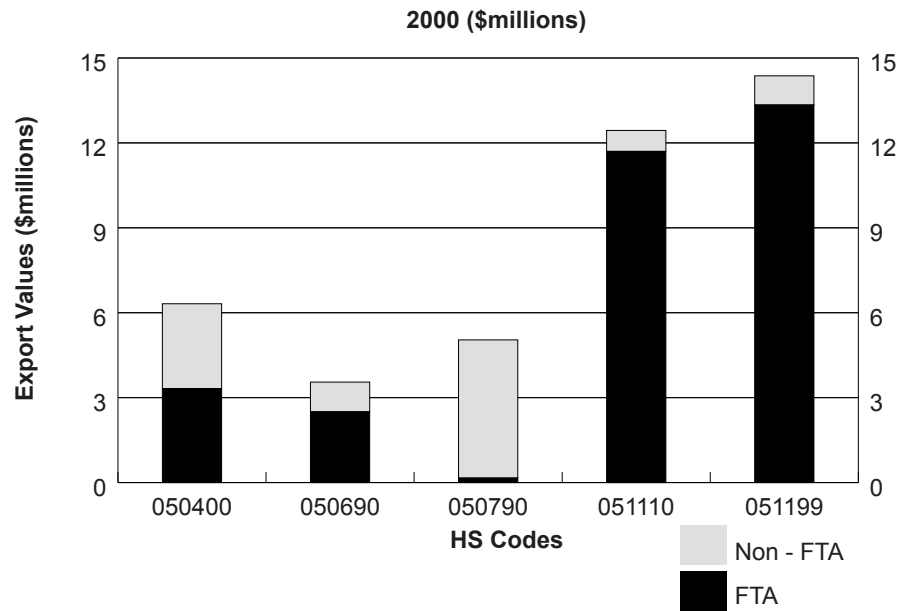
Table 7. Bound Tariff Summary: Chapter 5

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
050400	Guts, etc., not of Fish	Japan	0%	0.986
		Poland	19%	0.655
		Hong Kong	0%	0.591
		<i>China</i>	20% (MFN)	0.447
050690	Bones, Horn Cores, Other Powder and Waste	<i>Taiwan</i>	2.5%	0.548
		Thailand	30%	0.289
		Japan	0%	0.191
050790	Horns, Antlers, Hooves	South Korea	8 - 20%	2.870
		New Zealand	0%	1.245
		Hong Kong	0%	0.509
		<i>China</i>	3 - 12% (MFN)	0.225
051110	Other Animal, Bovine Semen	EU 15	0%	0.355
		Australia	0%	0.118
		Brazil	0%	0.067
051199	Dead Animal, not Edible	<i>China</i>	0 -12% (MFN)	33.164
		EU 15	22%	30.114
		Brazil	14%	2.650
		Australia	0%	0.960

**Table 8. Alberta's Annual Chapter 5 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
050400	Guts, etc., not of Fish	-	-	1.853	2.827	0.050	2.997
050690	Bones, Horn Cores, Other Powder and Waste	-	-	1.134	3.046	0.051	1.050
050790	Horns, Antlers, Hooves	0.499	1.512	2.362	0.650	4.162	4.876
051110	Other Animal, Bovine Semen	0.697	1.203	1.774	1.028	0.952	0.739
051199	Dead Animal, not Edible	1.255	1.629	1.258	0.981	0.990	1.029

**Figure 4. Total Alberta's Chapter 5 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



## HS CHAPTER 7 – EDIBLE VEGETABLES

**Table 9. Bound Tariff Summary: Chapter 7**

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
071310	Peas, Dried, Shelled, Including Seed	Bangladesh	200%	28.229
		EU 15	0%	19.597
		India	100%	16.996
		Pakistan	100%	6.530
		<i>China</i>	0 - 8% (MFN)	4.627
		Australia	0%	2.688
		Cuba	40%	2.084
071320	Chickpeas, Dried, Shelled, Including Seed	Colombia	70%	0.923
		Pakistan	100%	0.650
		Japan	0 - 8.5%	0.299
		EU 15	0%	0.278
		Bangladesh	200%	0.229
071332	Beans, Small Red (Adzuki), Including Seed	Colombia	178%	3.635
071333	Kidney Beans & White Pea Beans, Including Seed	Colombia	178%	0.553
		Venezuela	40%	0.347
071339	Other Beans, Dried, Shelled, Including Seed	EU 15	0%	2.768
		Turkey	19.3%	1.089
		Dominican Republic	40%	0.897
		<i>Algeria</i>		0.775
071340	Lentils, Dried, Shelled, Including Seed	India	100%	0.531
		Colombia	15 - 70%	0.371
		Turkey	19.3%	0.320
		<i>Algeria</i>	n.a.	0.285

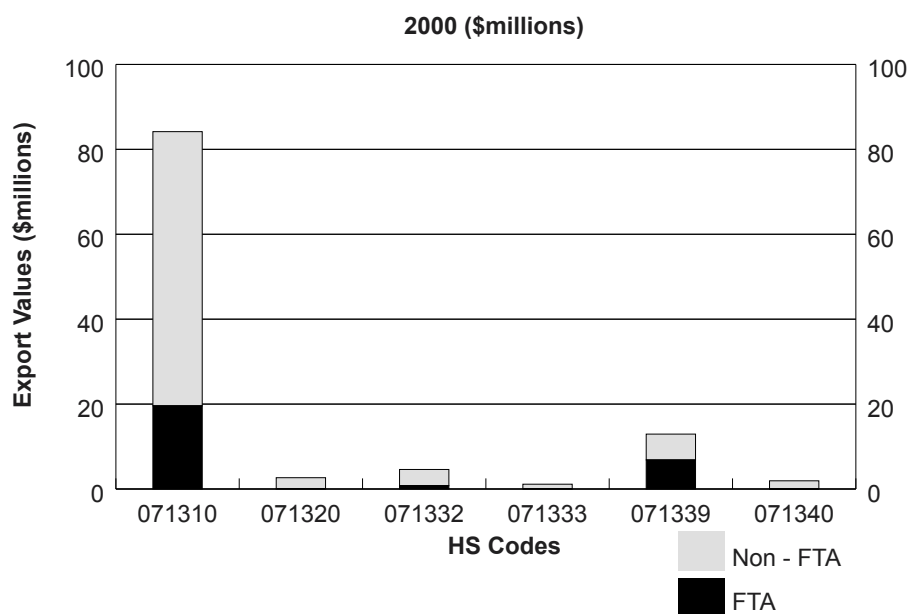
The most important destinations for Alberta peas exports in 2000 were South East Asia and Europe. The bound rates imposed by Bangladesh, India and Pakistan are 200%, 100% and 100% respectively, and deserve consideration for tariff reduction efforts. Bangladesh alone imported more than \$28 million in peas in 2000. The EU 15 have a zero tariff for this product.

Colombia imposes a tariff of 178% on beans and is a large importer of the Albertan product.

**Table 10. Alberta's Annual Chapter 7 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
071310	Peas, Dried, Shelled, Including Seed	52.537	50.813	52.143	52.709	57.654	64.569
071320	Chickpeas, Dried, Shelled, Including Seed	-	-	-	0.019	0.010	2.574
071332	Beans, Small Red (Adzuki), Including Seed	3.140	4.537	8.426	3.994	6.077	3.799
071333	Kidney Beans & White Pea Beans, Including Seed	1.582	0.257	4.207	0.891	0.551	1.049
071339	Other Beans, Dried, Shelled, Including Seed	-	-	0.992	4.621	4.581	6.079
071340	Lentils, Dried, Shelled, Including Seed	0.725	0.861	0.564	0.201	0.430	1.913

**Figure 5. Total Alberta's Chapter 7 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



HS CHAPTER 10 – OTHER PRODUCTS OF ANIMAL ORIGIN

Table 11. Bound Tariff Summary: Chapter 10

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
100110	Durum Wheat	<i>Algeria</i>	n.a.	72.491
		Morocco	34–170%	27.472
		Venezuela	117%	16.404
		Japan	¥ 56.67 / kg	8.651
		EU 15	_ 148 / MT	8.229
		Peru	12 - 20%	3.636
		<i>Iran</i>	n.a.	2.598
		<i>Libya</i>	n.a.	1.536
		Poland	25-64% / _ 96/MT	0.939
		Switzerland	0.50– 74%	0.935
		Guatemala	112%	0.578
		Brazil	0 - 55%	0.512
		100190	Meslin, Wheat	<i>Iran</i>
Japan	¥ 56.67 / kg			82.986
EU 15	12.8% / _ 95 / MT			60.331
Indonesia	0 - 5%			45.301
Philippines	3 - 10%			36.918
<i>China</i>	0– 114% (MFN)			34.297
Venezuela	117%			31.835
Colombia	124%			29.819
Peru	12 –20%			26.834
United Arab Emirates	15%			22.946
<i>Iraq</i>	n.a.			21.818
South Korea	2.28 - 3%			20.595
Malaysia	0%			18.993
Guatemala	112%			18.854
Ecuador	5–36%			15.976
South Africa	72%			12.477
Nigeria	150%			11.656
Ghana	40%	11.092		



HS	Description	Market	Bound Rate	2000 Exports (\$millions)
		Morocco	34–170%	11.031
		Thailand	27%	10.211
		Sri Lanka	50%	9.282
		Brazil	0–55%	8.553
		Cuba	40%	7.891
		Bangladesh	200%	6.794
		<i>North Korea</i>	n.a.	5.952
		Cameroon	80%	5.018
		Togo	80%	4.189
		<i>Sudan</i>	n.a.	3.838
		Bolivia	40%	3.232
		Dominican Republic	40%	2.613
		New Zealand	0%	2.209
		Cote d'Ivoire	15%	2.201
		<i>Taiwan</i>	6.5% (MFN)	2.188
		Turkey	180%	2.158
		Switzerland	Fr 0–76 / 100 kg	2.130
		Egypt	1%	2.061
		<i>Ethiopia</i>	n.a.	1.688
100300	Barley	<i>China</i>	0–91.2% (MFN)	32.756
		Japan	¥ 40.17 / kg	24.291
		<i>Saudi Arabia</i>	n.a.	14.668
		<i>Iran</i>	n.a.	3.733
		United Arab Emirates	15%	3.654
		South Africa	41%	1.887
		South Korea	299.7–573%	1.634
		Morocco	19–113%	0.979
		Tunisia	75%	0.675
100400	Oats	Japan	0–8.8%	0.235
		South Korea	3%	0.109
		Colombia	90%	0.091
100830	Canary Seed	EU 15	_ 14 / MT	1.026
		Brazil	35%	0.076
		Japan	0%	0.040

Exports of cereals recovered a little in 2000. Wheat continues to be the most important product and is exported all over the world. Countries in Asia, Latin America and Africa are the most important buyers.

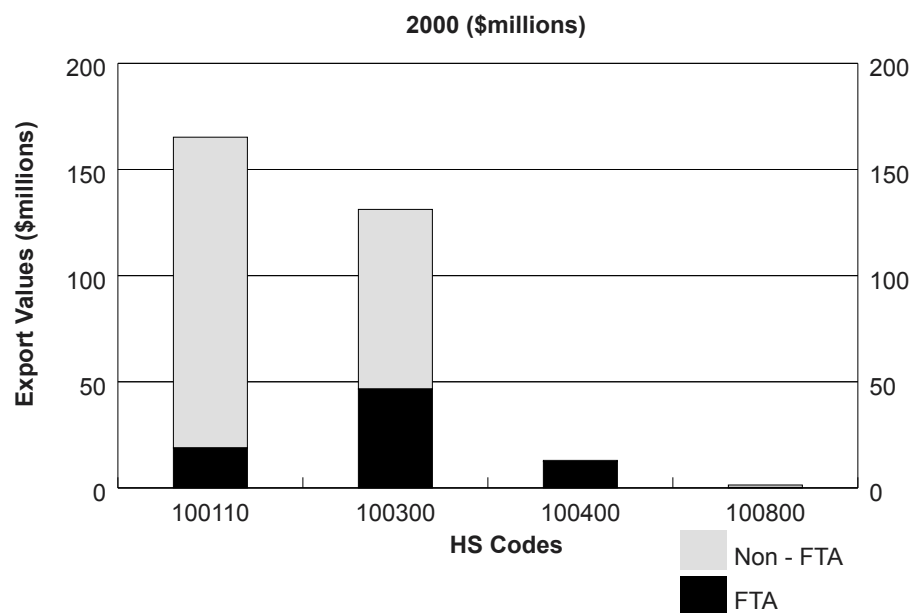
Tariffs on cereals vary across nations, as political and social economic issues such as subsidies and farm support are discussed. It seems that an agreement for reduction in import duties of cereals is still far from being reached.

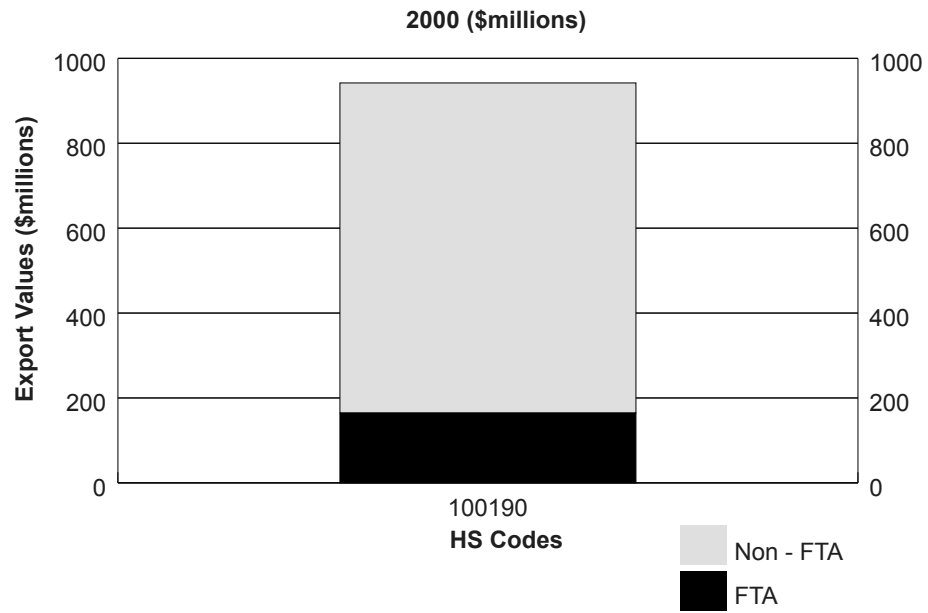
Another relevant factor is that wheat and malting barley in Western Canada have their export prices controlled by the Canadian Wheat Board.

**Table 12. Alberta's Annual Chapter 10 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
100110	Durum Wheat	157.159	179.332	224.547	189.000	131.775	146.375
100190	Meslin, Wheat	767.359	1111.661	1256.343	816.000	634.687	777.477
100300	Barley	107.901	256.970	205.876	56.409	42.161	84.591
100400	Oats	4.784	2.779	2.779	1.918	0.666	0.546
100830	Canary Seed	0.798	0.293	2.325	1.614	1.277	1.141

**Figure 6. Total Alberta's Chapter 10 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**





## HS CHAPTER 11 – MILLED PRODUCTS

**Table 13. Bound Tariff Summary: Chapter 11**

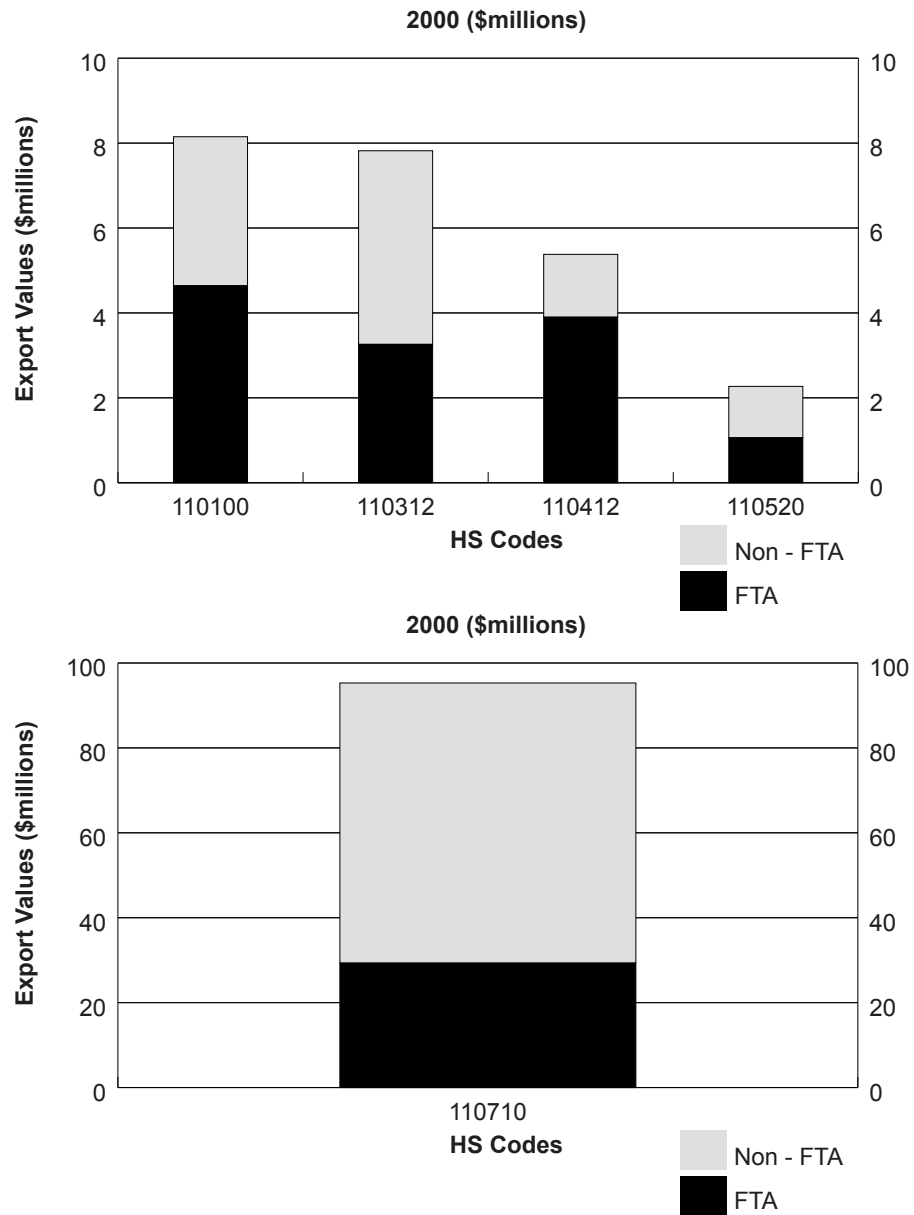
HS	Description	Market	Bound Rate	2000 Exports (\$millions)
110100	Wheat or Meslin Flour	Hong Kong	0%	2.208
		Japan	¥ 92.67 / kg	0.906
110312	Groats and Meal of Oats	Dominican Republic	40%	1.105
		Peru	12%	1.074
		Venezuela	117%	0.987
		Guatemala	40%	0.808
110412	Oats, Rolled or Flaked	Venezuela	117%	0.550
		Panama	n.a.	0.503
110520	Flakes of Potatoes	Philippines	7%	0.316
		Japan	20.8%	0.227
		Malaysia	0%	0.222
110710	Malt, not Roasted	Japan	¥ 21.92 / kg	48.605
		Brazil	9 - 35%	7.201
		South Korea	30 - 281%	4.891
		South Africa	33 - 99%	2.662
		Guatemala	10%	1.127
		El Salvador	20%	0.929

Malt is the most important product in this chapter, reaching \$95 million in exports in 2000 (34% increase from 1999), of which \$66 million went to non-FTA countries. Japan, Brazil and South Korea were the most important destinations. The bound tariffs faced by these countries are medium to high and so deserving of consideration for reduction.

**Table 14. Alberta's Annual Chapter 11 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
110100	Wheat or Meslin Flour	5.569	2.531	3.203	2.106	2.191	3.513
110312	Groats and Meal of Oats	3.308	4.646	3.785	2.051	2.561	4.559
110412	Oats, Rolled or Flaked	0.929	1.221	1.829	2.172	1.502	1.482
110520	Flakes of Potatoes	1.283	1.341	2.121	1.360	0.914	1.210
110710	Malt, not Roasted	62.903	85.364	82.478	74.154	49.413	65.966

**Figure 7. Total Alberta's Chapter 11 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



## HS CHAPTER 12 – OILSEEDS AND FORAGE PRODUCTS

Table 15. Bound Tariff Summary: Chapter 12

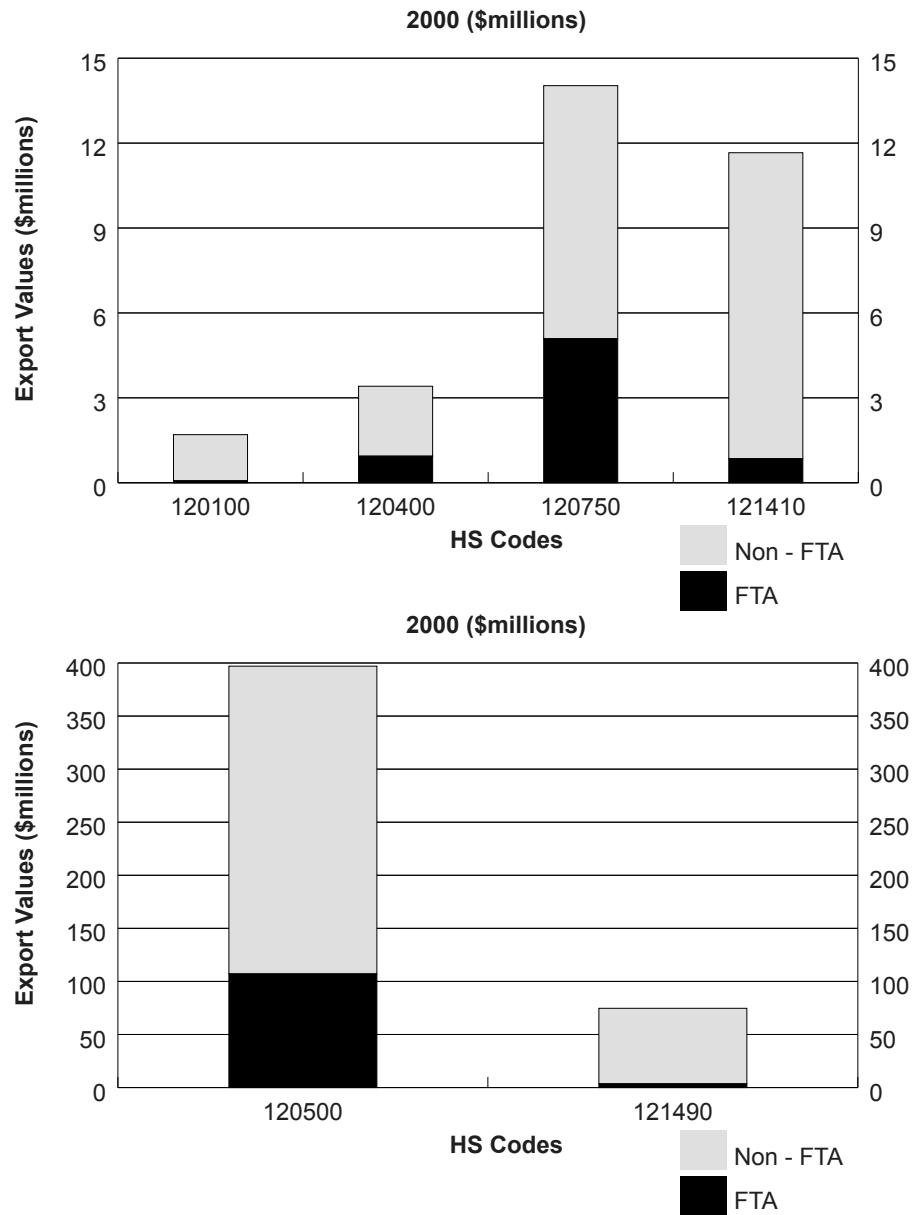
HS	Description	Market	Bound Rate	2000 Exports (\$millions)
120100	Soybeans	Indonesia	0 - 5%	1.625
120400	Flaxseed or Linseed	EU 15	0%	1.999
		Japan	0%	0.207
		Egypt	10%	0.193
120500	Rape or Colza Seeds	Japan	0%	173.799
		China	0 - 40% (MFN)	112.984
		South Korea	10%	2.907
120750	Mustard Seeds	Bangladesh	200%	3.432
		EU 15	0%	2.726
		Japan	0%	1.736
		Thailand		0.652
121410	Lucerne (Alfalfa) Meal or Pellets	Japan	0%	6.764
		Taiwan	0% (MFN)	2.600
		South Korea	14%	1.138
121490	Other Forage, not Alfalfa	Japan	0%	62.225
		South Korea	5 - 105%	4.955
		Taiwan	0% (MFN)	2.439
		China		0.552

Canola or Rape (HS 120500) is the most important product in this chapter. The export of this particular oilseed to Japan and China, the most important markets for this chapter, continued to fall in 2000.

Table 16. Alberta's Annual Chapter 12 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products

HS Code	Description	1995	1996	1997	1998	1999	2000
120100	Soybeans	24.696	0.013	–	23.211	0.012	1.625
120400	Flaxseed or Linseed	10.641	10.725	15.546	5.931	3.161	2.466
120500	Rape or Colza Seeds	416.519	257.596	321.114	413.000	313.368	289.947
120750	Mustard Seeds	6.539	6.392	10.155	6.329	7.322	8.938
121410	Lucerne (Alfalfa) Meal or Pellets	39.310	23.001	23.566	13.122	16.870	10.814
121490	Other Forage, not Alfalfa	46.784	42.257	61.727	57.980	60.004	71.154

**Figure 8. Total Alberta's Chapter 12 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



## HS CHAPTER 15 – ANIMAL/VEGETAL OILS AND FATS

**Table 17. Bound Tariff Summary: Chapter 15**

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
151410	Crude Canola, Rape or Colza Oil	Taiwan	12% (MFN)	2.079
		China	20 - 100% (MFN)	1.542
151490	Refined Canola, Rape or Colza Oil	Taiwan	12% (MFN)	4.335
		Hong Kong	0%	1.988
		Guatemala	40%	1.335
		Japan	¥ 11.92 - 14.45 / kg	0.887
		Philippines	10%	0.623

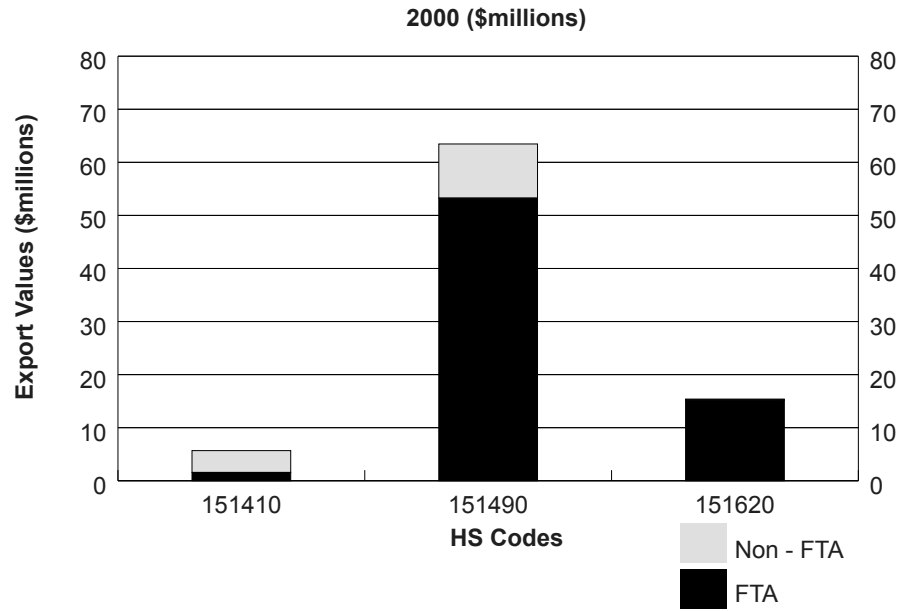
Canola oils are the most important export products for Alberta in this chapter. The exports recovered a little in 2000 for canola oil (both crude and refined), but are very much below the 1997-1998 levels.

**Table 18. Alberta's Annual Chapter 15 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
151410	Crude Canola, Rape or Colza Oil	32.341	9.046	38.026	34.974	0.648	4.111
151490	Refined Canola, Rape or Colza Oil	5.786	17.113	38.705	31.496	4.422	10.199



**Figure 9. Total Alberta's Chapter 15 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



HS CHAPTERS 16 & 20 - 23 – VARIOUS PROCESSED FOODS

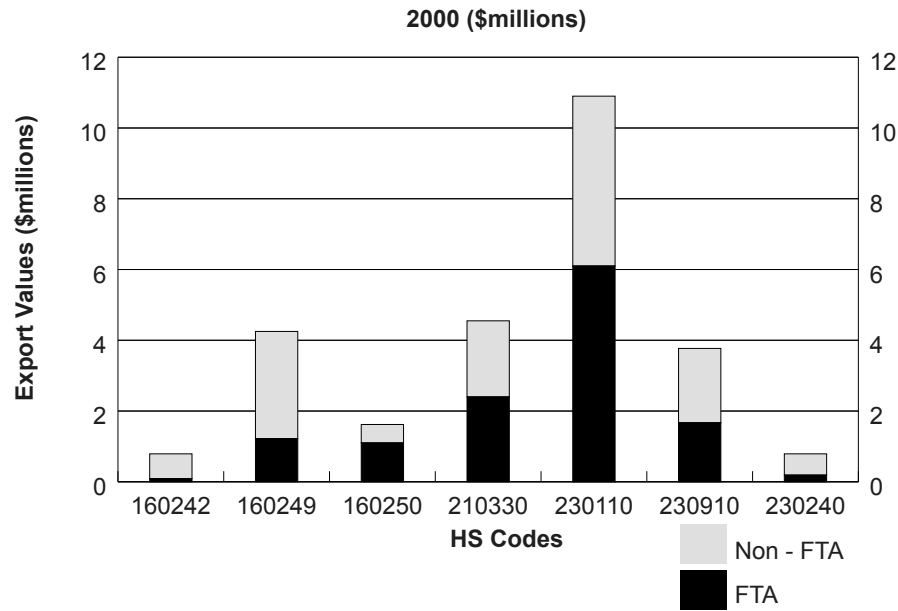
Table 19. Bound Tariff Summary: Chapter 16 & 20 - 23

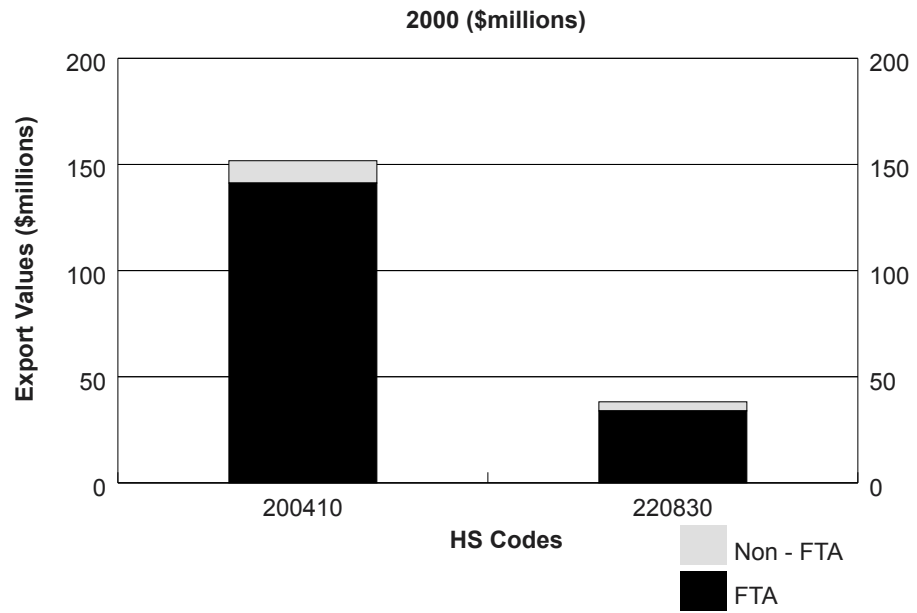
HS	Description	Market	Bound Rate	2000 Exports (\$millions)
160242	Swine Shoulder Meat, Prepared	Japan	8.8 - 20.8% + ¥ 1,065.5 / kg	0.703
160249	Swine Meat and Offal, Prepared	Japan	8.8 - 20.8% + ¥ 1,065.5 / kg	3.025
160250	Bovine Meat and Offal, Prepared	Japan	0 - 50%	0.272
		Hong Kong	0%	0.215
200410	Potatoes, Prepared, Frozen	Japan	8.8 - 14%	6.765
		Singapore	0%	0.917
		Malaysia	0 - 20%	0.858
		Taiwan	17 - 25% (MFN)	0.504
		Saudi Arabia	n.a.	0.482
210330	Mustard Flour and Meal	Japan	8.3 - 10%	1.090
		EU 15	7.5 - 9%	0.990
220830	Whiskies	EU 15	_ 0.16 / %/vol/hl + _ 1.2/hl	2.490
		South Africa	67 - 121%	0.821
		Japan	9.8 - 11.2% + ¥ 137.2 - 162.5 / l	0.561
<b>230110</b>	<b>Flours, Meals &amp; Pellets of Meat</b>	<b>Taiwan</b>	<b>0%</b>	<b>3.761</b>
		Indonesia	0%	0.871
230240	Bran, Sharps from Milling Cereal	Japan	0%	0.492
230910	Dog and Cat Feed Preparations, Retail Sale	Taiwan	5%	0.485
		Japan	0% + ¥ 36/kg - ¥ 59.5/kg + ¥ 6/ % lactose above 10%	0.371
		Czech Rep.	2%	0.339

**Table 20. Alberta's Annual Chapter 16, 20 -23 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
160242	Swine Shoulder Meat, Prepared	-	-	0.561	-	0.495	0.703
160249	Swine Meat and Offal, Prepared	1.293	5.860	1.210	1.392	1.071	3.034
160250	Bovine Meat and Offal, Prepared	0.266	0.756	0.248	0.174	0.038	0.520
200410	Potatoes, Prepared, Frozen	5.345	5.734	9.760	9.705	5.498	10.502
210330	Mustard Flour and Meal	0.022	0.304	1.168	2.253	2.500	2.153
220830	Whiskies	1.754	1.602	1.607	6.059	4.598	4.260
230110	Flours, Meals & Pellets of Meat	-	-	11.126	6.010	3.324	4.802

**Figure 10. Total Alberta's Chapter 16 & 20 - 23 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**





## SECTION 2 – NON-AGRICULTURAL PRODUCTS

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### HS CHAPTER 25 – SULPHUR AND MAGNESIUM

**Table 21. Bound Tariff Summary: Chapter 25**

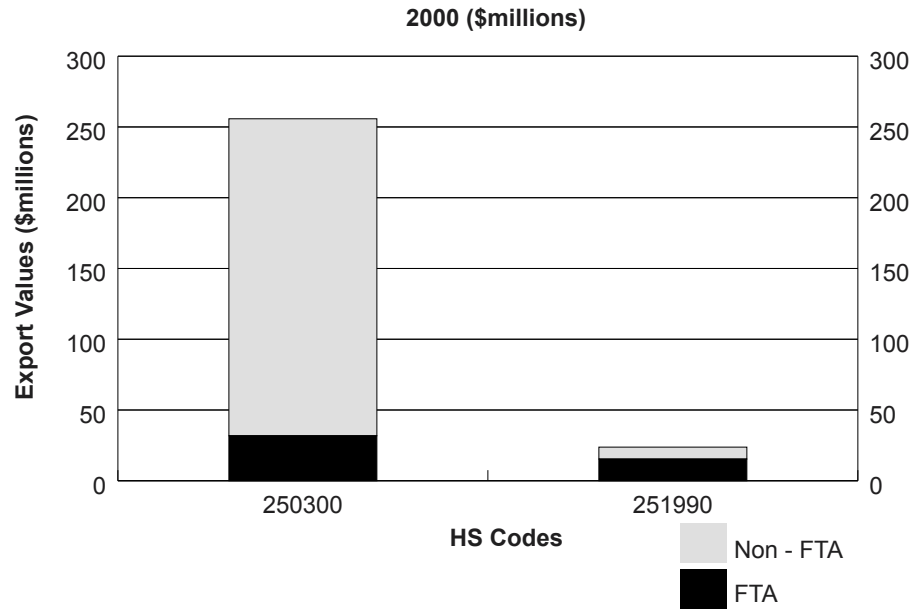
HS	Description	Market	Bound Rate	2000 Exports (\$millions)
250300	Sulphur of All Kinds	China	3% (MFN)	81.788
		Brazil	0%	46.847
		Cuba		18.608
		South Africa	0%	18.281
		Australia	0%	15.040
		Morocco	40%	9.265
		New Zealand	0%	7.606
		Senegal		7.398
		Indonesia	0%	5.223
		Philippines	10%	4.688
251990	Magnesia, Fused, Dead-Burn, Other	EU 15	0 - 1.7%	7.635
		South Korea	3%	0.338
		Brazil	35%	0.217

Alberta exports of sulphur to non-FTA nations increased in 2000, reaching 1995-1996 levels. The major importers of this product have a zero bound tariff. China, the largest importer, has a bound tariff of 3%.

**Table 22. Alberta's Annual Chapter 25 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
250300	Sulphur of All Kinds	<b>209.484</b>	<b>232.320</b>	<b>247.577</b>	<b>176.000</b>	<b>197.916</b>	<b>223.975</b>
251990	Magnesia, Fused, Dead-Burn, Other	<b>13.868</b>	<b>11.863</b>	<b>11.881</b>	<b>10.267</b>	<b>7.087</b>	<b>8.415</b>

**Figure 11. Total Alberta's Chapter 25 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



**HS CHAPTER 27 – MINERAL FUELS, MINERAL OILS AND PRODUCTS OF THEIR DISTILLATION;  
BITUMINOUS SUBSTANCES**

**Table 23. Bound Tariff Summary: Chapter 27**

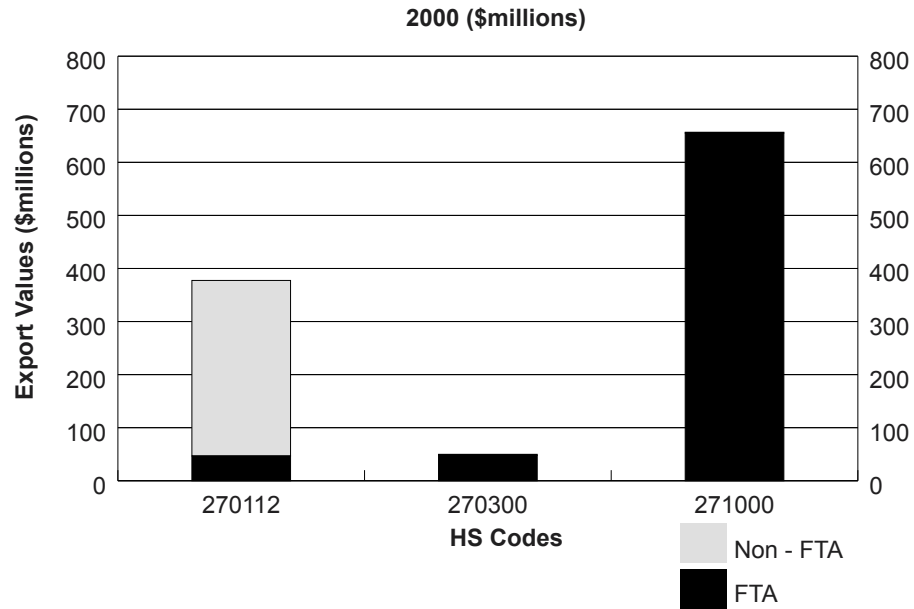
<b>HS</b>	<b>Description</b>	<b>Market</b>	<b>Bound Rate</b>	<b>2000 Exports (\$millions)</b>
270112	Bituminous Coal	Japan	0%	170.099
		South Korea	1%	79.490
		EU 15	0%	34.335
		Brazil	15%	33.047
		Egypt	5%	7.393
		<i>Taiwan</i>	0%	6.351
270300	Peat	Japan	0%	1.098
		Brazil	35%	0.325
		EU 15	0%	0.201
		South Korea	1%	0.157
271000	Petroleum Oils and oils Obtained from Bituminous Minerals, not Crude	Hong Kong	0%	0.755
		<i>Russia</i>	n.a.	0.168
		<i>Algeria</i>	n.a.	0.143

Exports of bituminous coal fell in 2000, even though non-FTA countries remain the most important markets. Within these countries, Brazil is a major importer and has a rate of 15% for coal and 35% for peat. These products are also deserving of consideration for tariff reduction efforts.

**Table 24. Alberta's Annual Chapter 27 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

<b>HS Code</b>	<b>Description</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>
270112	Bituminous Coal	701.242	506.648	531.129	514.000	534.857	330.715
270300	Peat	4.793	4.199	3.688	2.760	1.326	1.924
271000	Petroleum Oils and oils Obtained from Bituminous Minerals, not Crude	1.467	1.956	1.607	1.443	0.840	1.431

**Figure 12. Total Alberta's Chapter 27 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**





**HS CHAPTER 28 – INORGANIC CHEMICALS; ORGANIC OR INORGANIC COMPOUNDS OF PRECIOUS METALS, ETC**

**Table 25. Bound Tariff Summary: Chapter 28**

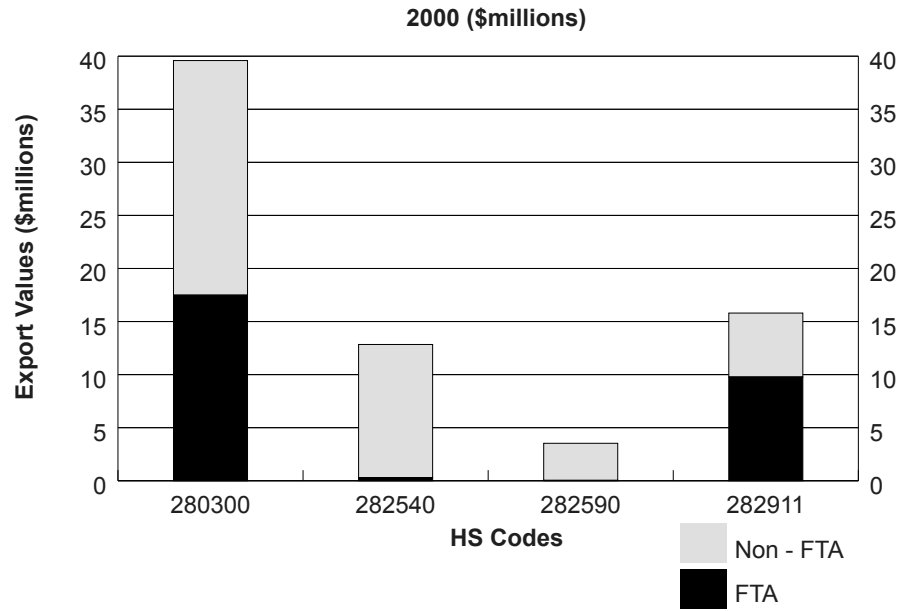
<b>HS</b>	<b>Description</b>	<b>Market</b>	<b>Bound Rate</b>	<b>2000 Exports \$(millions)</b>
280300	Carbon	EU 15	0%	13.837
		Japan	3.9%	3.037
		<i>Taiwan</i>	3.5% (MFN)	1.753
		South Korea	5.5%	0.858
		Brazil	35%	0.597
282540	Nickel Oxides and Hydroxides	Hong Kong	0%	10.426
		Malaysia	0%	1.022
		Singapore	0.0%	0.968
282590	Other Inorganic Bases	Hong Kong	0%	2.610
		<i>China</i>	8 - 9% (MFN)	0.675
282911	Sodium Chlorate	Japan	3.3%	5.370
		South Korea	8.0%	0.651

In the last few years, nickel oxides and hydroxides appeared as a new product being exported. Hong Kong is the primary destination for this product.

**Table 26. Alberta's Annual Chapter 28 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

<b>HS Code</b>	<b>Description</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>
280300	Carbon	29.158	23.930	28.060	27.972	21.694	22.102
282540	Nickel Oxides and Hydroxides	0.196	0.364	1.813	2.790	7.444	12.541
282911	Sodium Chlorate	3.065	5.084	3.079	2.746	1.952	6.021

**Figure 13. Total Alberta's Chapter 28 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



HS CHAPTER 29 – ORGANIC CHEMICALS

Table 27. Bound Tariff Summary: Chapter 29

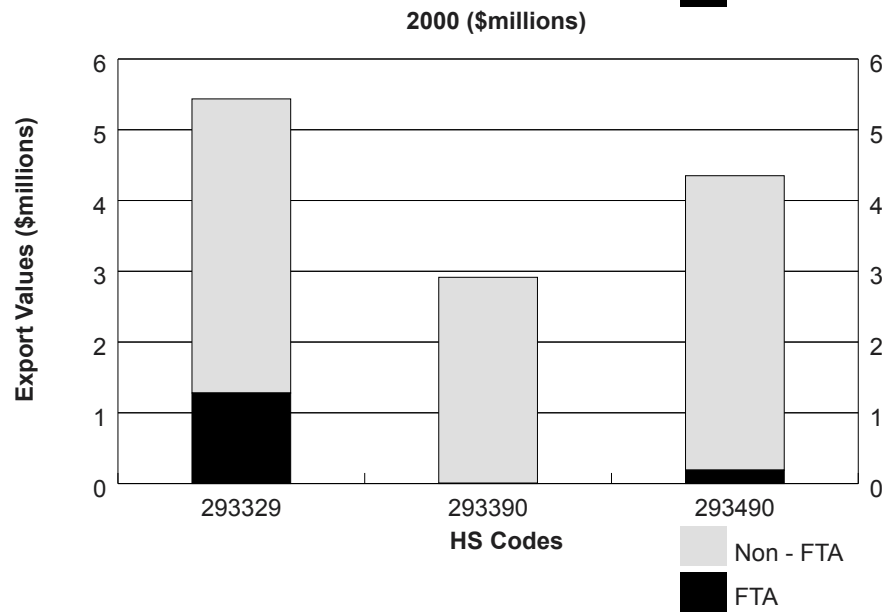
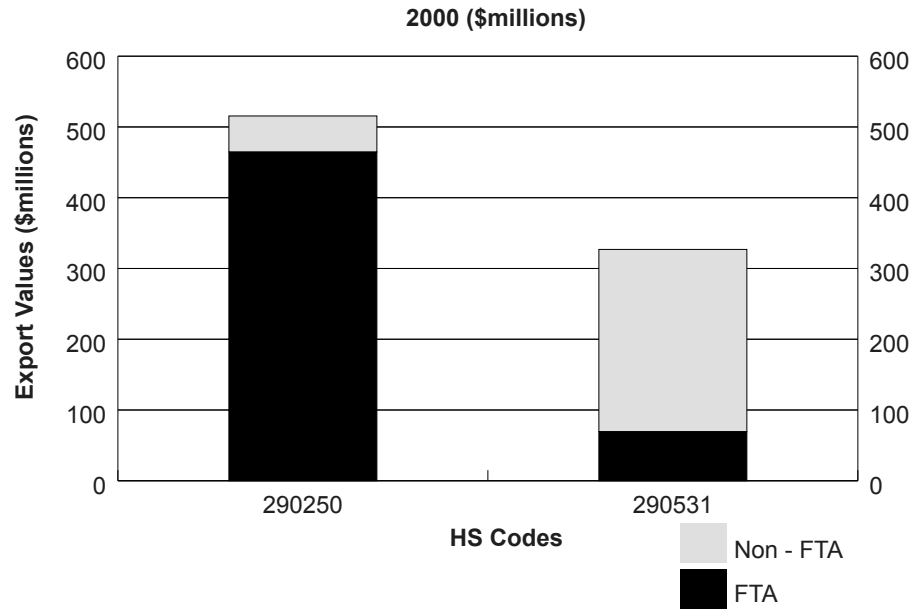
HS	Description	Market	Bound Rate	2000 Exports (\$millions)
290250	Styrene	South Korea	8%	23.967
		Singapore	0%	14.093
		Taiwan	1.25% (MFN)	12.942
290531	Ethylene Glycol	China	14% (MFN)	131.971
		South Korea	8.0%	55.219
		Taiwan	1% (MFN)	32.528
		Indonesia	0%	24.558
		Thailand	30%	5.704
		Malaysia	0%	5.566
		Japan	0%	2.069
293329	Heterocyclic Compounds	EU 15	0 - 6.5%	2.467
		Japan	3.1%	0.786
		Slovenia	2%	0.322
		Singapore	0.0%	0.286
293390	Other 2933	Japan	3.1 - 3.3%	2.910
293490	Other Heterocyclic Compounds	EU 15	0 - 6.5%	4.165

Exports of ethylene glycol continued to recover in 2000. non-FTA countries remain the major market, China and South Korea being the major importers of Alberta's glycol.

Table 28. Alberta's Annual Chapter 29 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products

HS Code	Description	1995	1996	1997	1998	1999	2000
290250	Styrene	194.275	168.730	145.612	94.725	92.122	51.003
290531	Ethylene Glycol	347.666	306.091	314.826	158.000	199.472	257.615
293329	Heterocyclic Compounds	0.787	1.616	4.432	7.706	7.702	4.155
293490	Other Heterocyclic Compounds	0.188	0.046	1.126	14.513	2.993	4.165

**Figure 14. Total Alberta's Chapter 29 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



**HS CHAPTER 30 – PHARMACEUTICAL PRODUCTS**

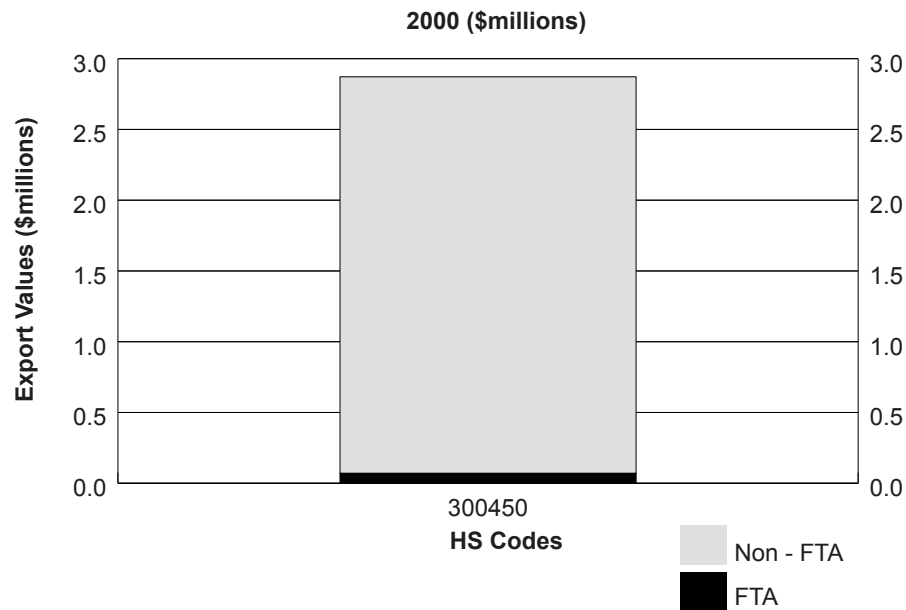
**Table 29. Bound Tariff Summary: Chapter 30**

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
300450	Vitamins	EU 15	0%	2.803

**Table 30. Alberta’s Annual Chapter 30 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
300450	Vitamins	0.161	0.497	0.343	0.016	0.011	2.803

**Figure 15. Total Alberta’s Chapter 30 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



## HS CHAPTERS 31 & 38 – FERTILIZERS AND MISCELLANEOUS CHEMICAL PRODUCTS

**Table 31. Bound Tariff Summary: Chapter 31 & 38**

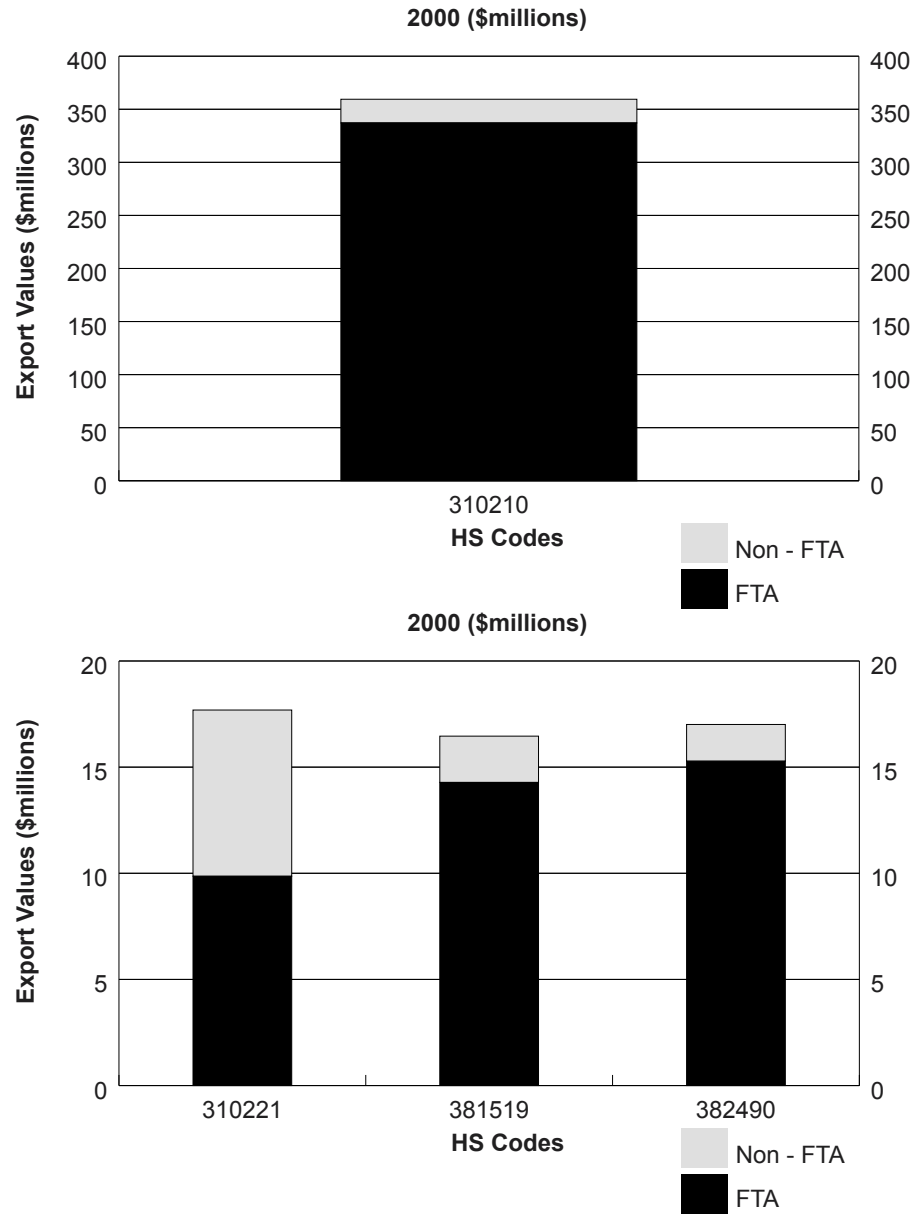
HS	Description	Market	Bound Rate	2000 Exports (%millions) (\$millions)
310210	Urea	Australia	10%	20.610
		New Zealand	0%	0.886
		Japan	0%	0.812
310221	Ammonium Sulphate	New Zealand	0%	5.990
		Argentina	15%	1.841
381519	Other Supported Catalysts	South Korea	6.5%	0.839
		EU 15	6.5%	0.620
		Singapore	0.0%	0.434
		Philippines	3%	0.289
382490	Chemicals, Prepared and Residual	Cuba	6%	0.718
		Iran		0.525

Exports of fertilizers, particularly urea, continued to recover in 2000. Australia is the major market and imposes a bound rate of 10%, deserving consideration.

**Table 32. Alberta's Annual Chapters 31 & 38 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
310210	Urea	33.571	30.770	11.339	0.774	8.748	22.307
310221	Ammonium Sulphate	10.783	2.103	9.271	-	4.323	7.831
381519	Other Supported Catalysts	0.000	0.191	0.044	-	-	2.183
382490	Chemicals, Prepared and Residual	-	1.016	1.656	3.060	3.057	1.729

**Figure 16. Total Alberta's Chapter 31 & 38 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



HS CHAPTER 39 – PLASTICS AND ARTICLES THEREOF

Table 33. Bound Tariff Summary: Chapter 39

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
390110	Polyethylene with s.g.< 0.94	<i>China</i>	18% (MFN)	123.587
		EU 15	6.5%	28.188
		Hong Kong	0%	8.537
		<i>Taiwan</i>	2.5% (MFN)	7.832
		Malaysia	30%	6.196
		Argentina	20%	3.385
		Indonesia	5 – 35%	2.970
		Japan	¥ 13.94 / kg	2.417
		Brazil	35%	2.192
		Thailand	30%	2.050
		Norway	6.5%	1.427
		Trinidad & Tobago	50%	0.945
		Iceland		0.943
		Guatemala	45%	0.940
		Switzerland	0%	0.877
		390120	Polyethylene with s.g.> 0.94	Argentina
Brazil	35%			0.579
Hong Kong	0%			0.557
390190	Polymers of Ethylene	Brazil	35%	6.504
		Argentina	20%	4.676
		Australia*	0%	3.918
		Japan	2.8%	3.857
		EU 15	6.5%	3.851
		<i>China</i>	18% (MFN)	2.520
		<i>Taiwan</i>	2.5% (MFN)	2.001
		New Zealand	0%	1.999
		Singapore	0.0%	1.188
		Malaysia	0 – 2%	1.183
390390	Polymers of Styrene	India	10%	1.164
		Philippines	20%	0.655
		Hong Kong	0%	0.500
		Dominican Republic	40%	0.351
		Argentina	20%	0.221



HS	Description	Market	Bound Rate	2000 Exports (\$millions)
390730	Epoxy Resins	Japan	3.1%	1.896
		Singapore	6.5%	1.244
391590	Plastic Waste, Parings, Scrap	Hong Kong	0%	0.223
		China	16% (MFN)	0.117
		Singapore	6.5%	0.112
391732	Plastic Tube, Pipes, Hoses, not Reinforced, not Fitting	Uruguay	25%	1.666
		EU 15	6.5%	0.540
		India	40%	0.298
		New Zealand	0%	0.200
391733	Plastic Tube, Pipes, Hoses, not Reinforced, Fitting	Cuba		0.659
392010	Polymer Sheets, Film, etc.	EU 15	6.5%	2.483
		Australia*	0%	1.125
		New Zealand	0%	0.576
		Saudi Arabia	n.a.	0.505
		China	16% (MFN)	0.477
392020	Propylene Sheets, Film, etc.	Uruguay	25%	0.565
392111	Cell Styrene	Hong Kong	0%	0.444
392690	Other Articles of Plastic	South Korea	8%	0.177
		Venezuela	40%	0.158
		EU 15	0 - 6.5%	0.150

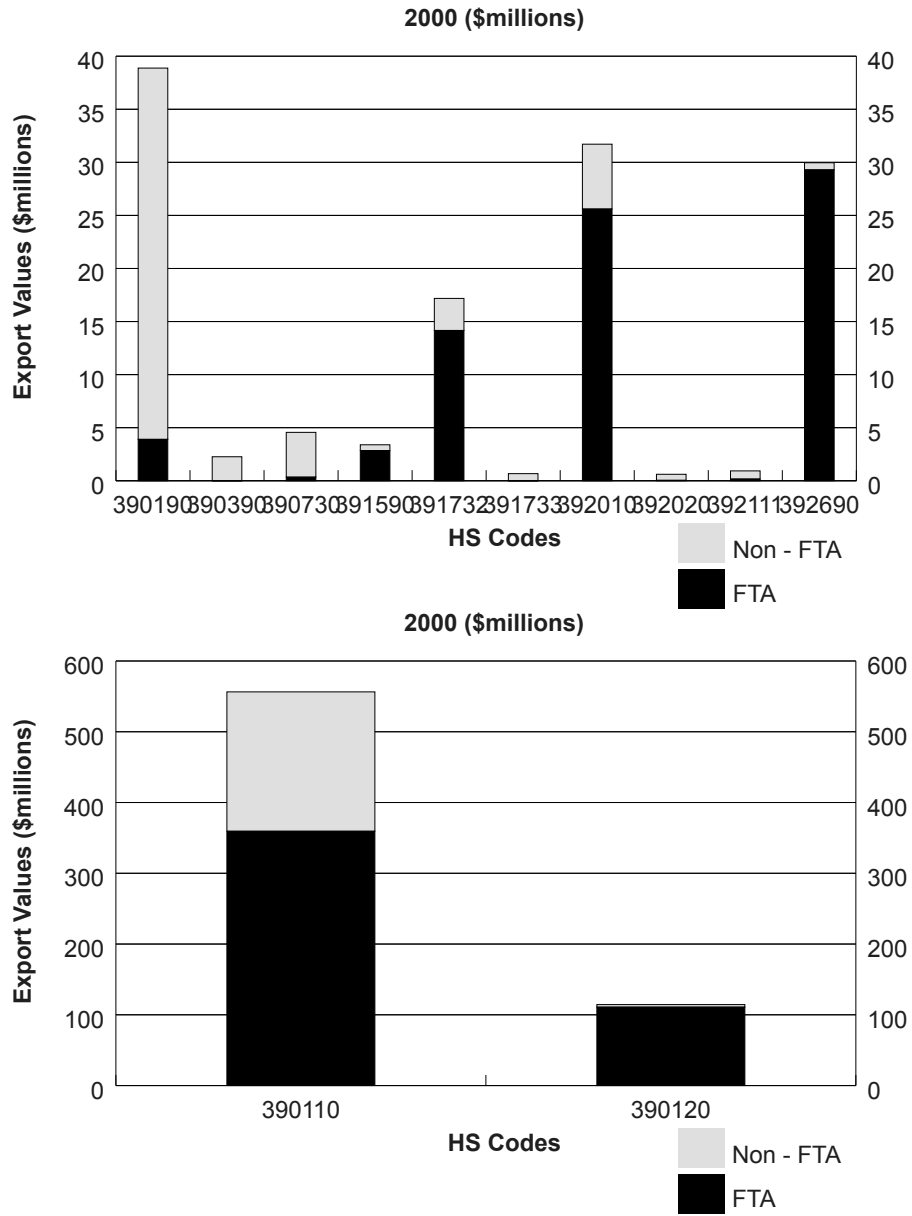
\* Australia has a special rate for Canada

Low-density polyethylene is an important type of plastic exported by Alberta. Even though the exports to FTA nations represent more than half the value shipped abroad, exports to non-FTA countries accounted for \$197 million in 2000. China and the EU 15, with bound rates of 18% and 6.5%, respectively, are the dominant markets for this product. Polyethylene and a variety of other plastic products are exported to many countries. The bound rates vary considerably across countries and products. Many deserve tariff reduction efforts.

**Table 34. Alberta's Annual Chapter 39 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
390110	Polyethylene with s.g.< 0.94	169.730	207.949	172.082	137.000	150.912	196.965
390120	Polyethylene with s.g.> 0.94	0.000	0.006	0.607	0.421	1.674	3.613
390190	Polymers of Ethylene	–	–	0.140	5.165	39.100	34.977
390390	Polymers of Styrene	–	–	-	0.376	0.021	1.263
390730	Epoxide Resins	–	–	1.100	0.173	1.912	4.216
391590	Plastic Waste, Parings, Scrap	0.006	1.572	4.804	2.651	1.234	0.539
391732	Plastic Tube, Pipes, Hoses, not Reinforced, not Fitting	0.053	0.011	0.032	0.537	–	3.014
391733	Plastic Tube, Pipes, Hoses, not Reinforced, Fitting	8.725	8.213	5.872	10.049	8.257	0.670
392010	Polymer Sheets, Film, etc.	0.219	0.210	1.758	3.184	2.711	6.109
392020	Propylene Sheets, Film, etc.	2.096	2.850	2.364	1.056	0.605	0.574
392111	Cell Styrene	0.996	0.357	0.275	0.089	0.050	0.768
392690	Other Articles of Plastic	0.780	3.139	2.818	1.549	–	0.675

**Figure 17. Total Alberta's Chapter 39 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



**HS CHAPTER 40 – RUBBER AND ARTICLES THEREOF**

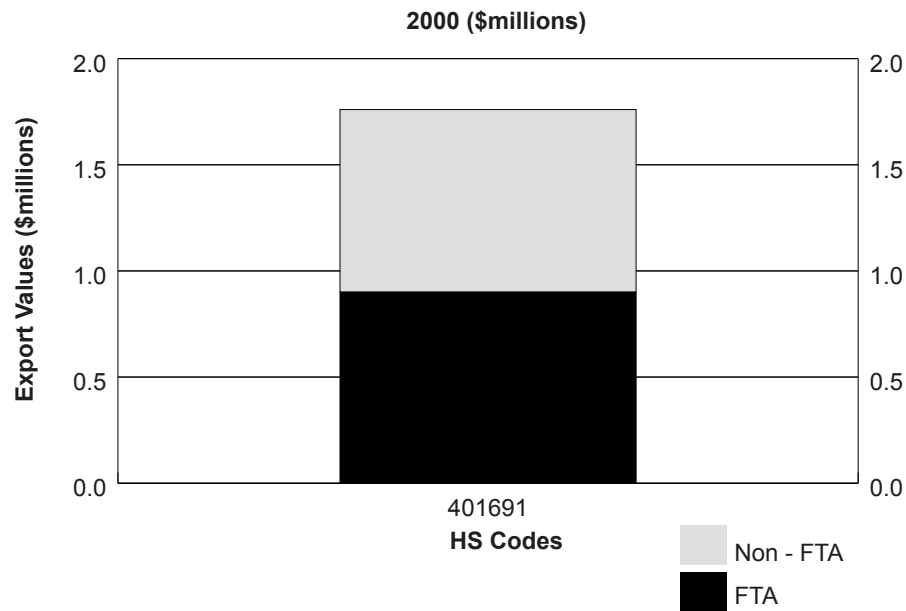
**Table 35. Bound Tariff Summary: Chapter 40**

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
401691	Floor Cover and Mats, Vulcanized	EU 15	2.5%	0.598

**Table 36. Alberta’s Annual Chapter 40 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
401691	Floor Cover and Mats, Vulcanized	0.031	0.063	1.193	0.351	0.496	0.862

**Figure 18. Total Alberta’s Chapter 40 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



## HS CHAPTER 41 – HIDES AND SKINS; LEATHER

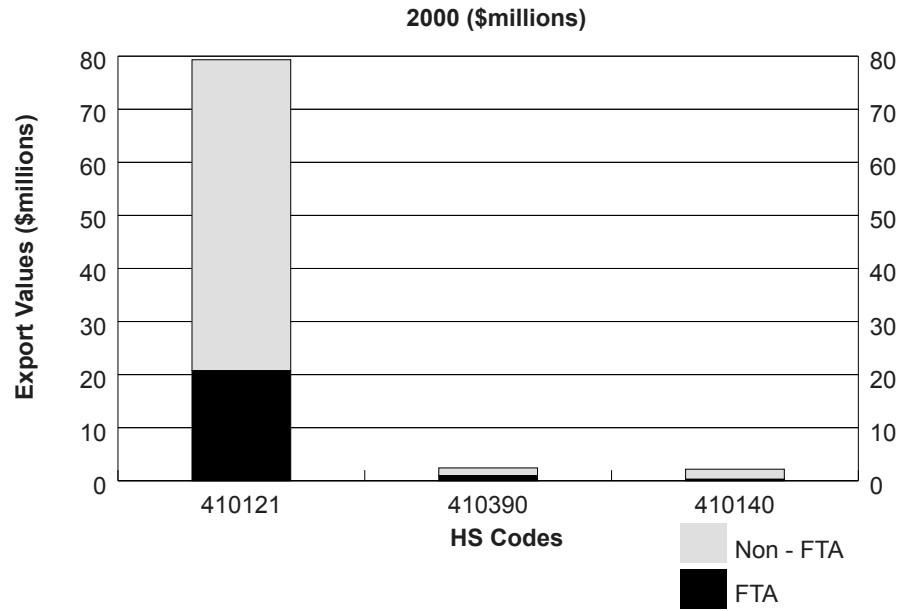
**Table 37. Bound Tariff Summary: Chapter 41**

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
410121	Bovine Hides, whole, fresh/salted	<i>China</i>	5% (MFN)	23.881
		<i>Taiwan</i>	0%	18.134
		South Korea	2%	6.735
		Thailand	27%	4.691
		Hong Kong	0%	2.974
		Japan	0%	1.799
410140	Equine Hides and Skins	Japan		1.542
		<i>China</i>		0.395
410390	Other, non-tanned	<i>Taiwan</i>	0%	1.383

**Table 38. Alberta's Annual Chapter 41 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
410121	Bovine Hides, whole, fresh/salted	49.290	36.978	61.087	53.369	50.067	58.587
410140	Equine Hides and Skins	1.380	1.900	2.537	2.747	1.377	1.937

Figure 19. Total Alberta's Chapter 41 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products



## HS CHAPTER 44 – WOOD AND ARTICLES OF WOOD

**Table 39. Bound Tariff Summary: Chapter 44**

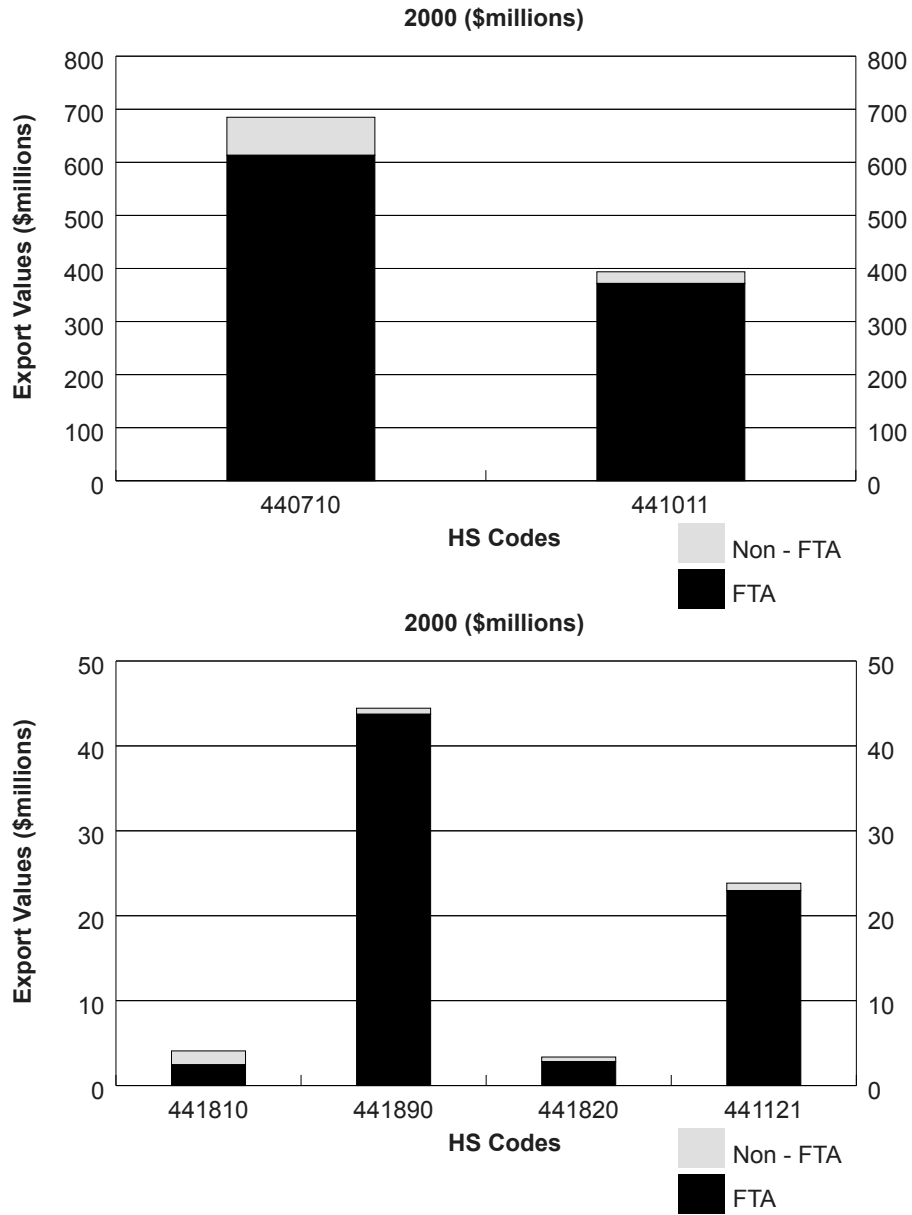
HS	Description	Market	Bound Rate	2000 Exports (\$millions)
440710	Coniferous Lumber (softwood) > 6 mm	Japan	0 - 6%	68.246
		EU 15	0%	1.936
		<i>Taiwan</i>	0%	1.003
441011	Wafer board, incl. Oriented s.b.	Japan	5 - 6%	19.203
		South Korea	8%	2.427
441121	Lign. Fibreboard > 0.5 <=0.8 g/cm3, unworked	Japan	2.6%	0.832
		South Korea	8%	0.040
		<i>Taiwan</i>	3% (MFN)	0.005
441810	Windows and Their Frames	Japan	0%	1.048
		EU 15	3%	0.496
441820	Doors, Frames and Threshold	Japan	0%	0.427
441890	Other	Japan	0 - 5%	0.520

The vast majority of wood and wooden products are exported to the US. Nevertheless, Japan is an important destination for Alberta exports of this chapter, especially of softwood lumber and wafer boards.

**Table 40. Alberta's Annual Chapter 44 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
<b>440710</b>	<b>Coniferous Lumber (softwood) &gt; 6 mm</b>	86.248	117.362	114.491	59.279	72.855	71.644
<b>441011</b>	<b>Waferboard, incl. Oriented s.b.</b>	-	34.316	31.655	23.302	27.093	21.919
<b>441121</b>	<b>Lign. Fibreboard &gt; 0.5 &lt;=0.8 g/cm3, unworked</b>	3.101	6.810	9.447	53.000	8.959	0.877
<b>441810</b>	<b>Windows and Their Frames</b>	0.495	0.959	0.939	0.422	1.575	1.628
<b>441820</b>	<b>Doors, Frames and Threshold</b>	0.383	0.487	0.563	0.289	0.404	0.537
<b>441890</b>	<b>Other</b>	2.024	1.218	3.252	0.264	0.352	0.706

**Figure 20. Total Alberta's Chapter 44 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**





## HS CHAPTER 47 – PULP OF WOOD, OTHER CELLULOSIC MATERIAL; WASTE

Table 41. Bound Tariff Summary: Chapter 47

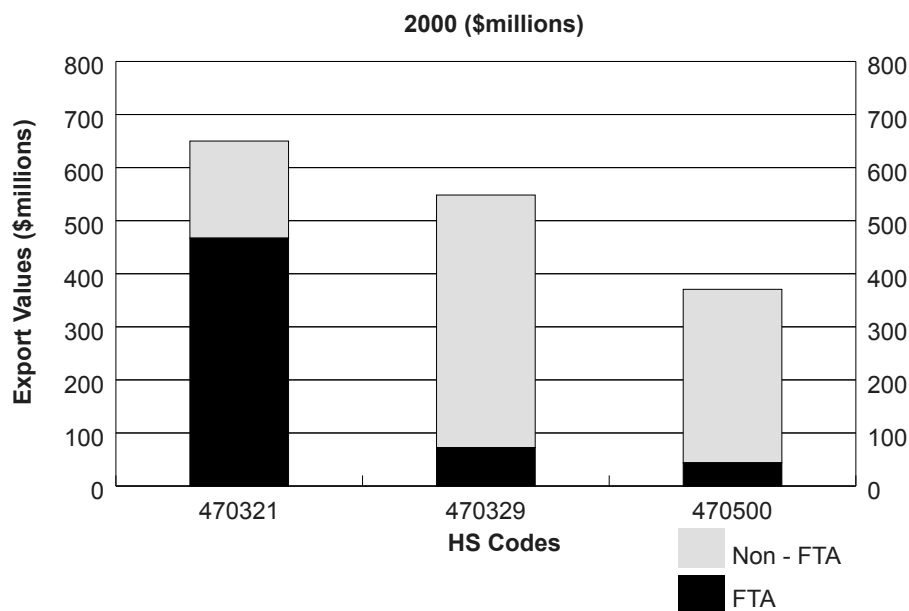
HS	Description	Market	Bound Rate	2000 Exports (\$millions)
470321	Chemical Pulp, Coniferous, Semi-Bleached and Bleached	Japan	0.9%	69.429
		EU 15	0%	42.070
		South Korea	2%	23.250
		<i>Taiwan</i>	0% (MFN)	17.786
		<i>China</i>	0% (MFN)	11.921
		Thailand	32%	6.189
		Malaysia	0%	5.335
		Indonesia	0%	5.034
		Philippines	3%	1.710
470329	Chemical Pulp, non-Coniferous, Semi-Bleached and Bleached	Japan	0.9%	180.693
		South Korea	2%	162.101
		EU 15	0%	125.036
		<i>Taiwan</i>	1.25% (MFN)	4.258
		Indonesia	0%	1.979
		Australia	0%	1.315
		<i>China</i>	0% (MFN)	0.605
470500	Semi-Chemical Wood Pulp	EU 15	0%	150.017
		South Korea	2%	41.761
		Japan	0.9%	40.102
		<i>China</i>	0% (MFN)	32.825
		<i>Taiwan</i>	1.25% (MFN)	31.235
		Indonesia	0%	17.319
		Switzerland	1.9%	10.845
		Philippines	10%	0.790
		India	25%	0.639
	Brazil	35%	0.597	

Japan, South Korea, EU 15 and China are the most important non-FTA markets for wood pulp. The total value of exports increased in 2000, when compared to the previous year. Most of the markets have set a zero tariff for the products in this chapter.

**Figure 42. Alberta's Annual Chapter 47 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
470321	Chemical Pulp, Coniferous, Semi-Bleached and Bleached	208.838	147.342	151.611	156.000	143.551	182.901
470329	Chemical Pulp, non-Coniferous, Semi-Bleached and Bleached	540.801	294.985	329.890	316.000	396.483	475.986
470500	Semi-Chemical Wood Pulp	246.287	132.478	138.785	178.000	212.495	326.806

**Figure 21. Total Alberta's Chapter 47 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



HS CHAPTERS 48 & 49 – PAPER, PAPERBOARD; PRINTED MATERIALS

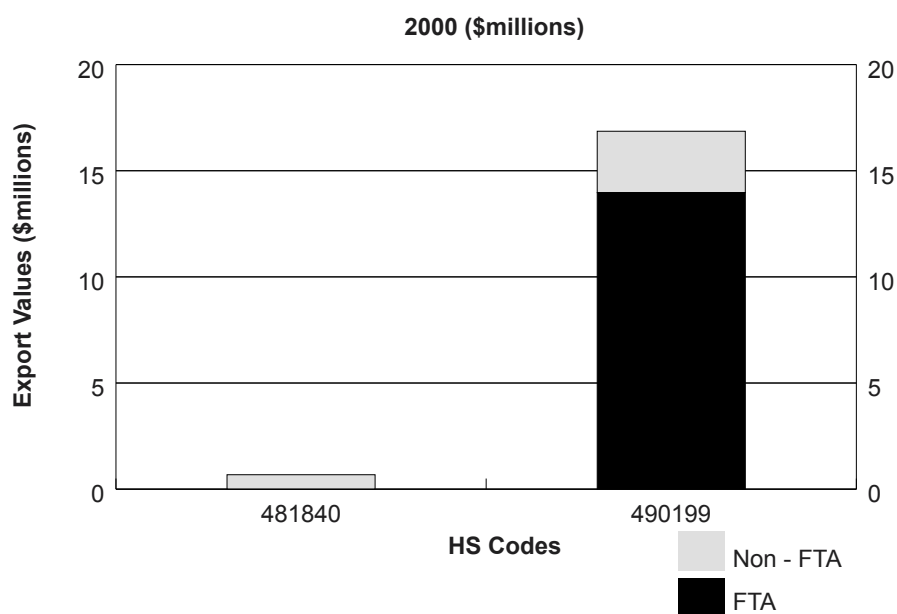
Table 43. Bound Tariff Summary: Chapters 48 & 49

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
481840	Sanitary Items; Toilet Paper	Taiwan	7.5 - 9% (MFN)	0.677
490199	Books, Brochures, Leaflets and Similar Printed Matter	EU 15	0%	0.758
		Russia	n.a.	0.581
		United Arab Emirates	10%	0.444
		Taiwan	0 - 7.5% (MFN)	0.311
		Japan	0%	0.292

Table 44. Alberta's Annual Chapters 48 & 49 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products

HS Code	Description	1995	1996	1997	1998	1999	2000
481840	Sanitary Items; Toilet Paper	-	-	0.220	-	0.500	0.677
490199	Books, Brochures, Leaflets and Similar Printed Matter	0.932	0.958	0.733	1.181	6.396	2.888

Figure 22. Total Alberta's Chapters 48 & 49 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products



## HS CHAPTER 55 – MAN MADE FIBRES

Table 45. Bound Tariff Summary: Chapter 55

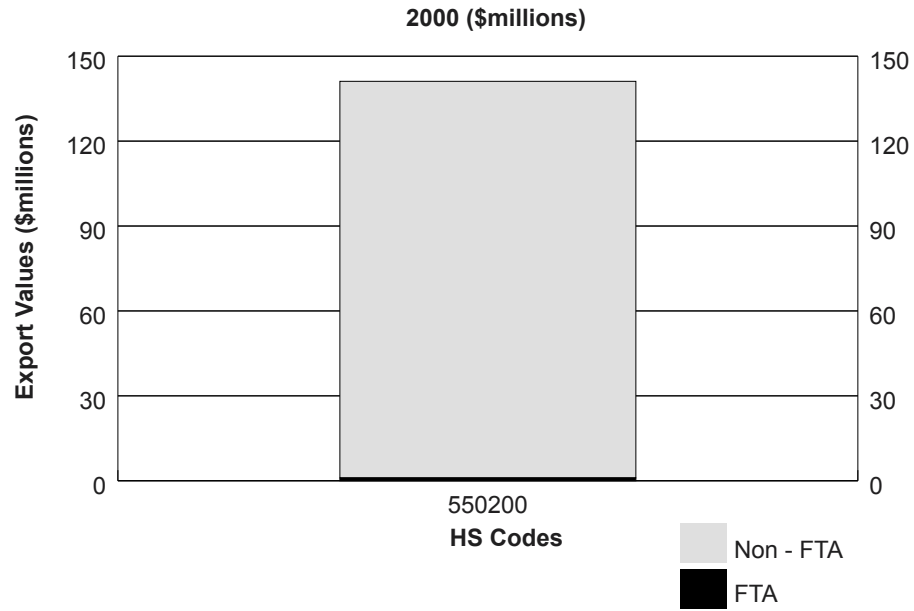
HS	Description	Market	Bound Rate	2000 Exports (\$millions)
550200	Artificial Filament Tow	<i>China</i>	11 - 12% (MFN)	94.458
		Hong Kong	0%	17.689
		Malaysia	0%	8.289
		South Korea	8%	5.619
		<i>Vietnam</i>	n.a.	3.092
		Indonesia	5%	2.607
		Australia	0%	1.745
		<i>Taiwan</i>	1.25% (MFN)	1.734
		India	40%	1.343
		Pakistan	40%	0.965
		Bangladesh		0.784
		Philippines	12.5%	0.542

China and Hong Kong continue to be the major markets for products in this chapter, followed by other South East Asian nations. China holds a tariff of 11-12%, according to latest APEC information, on artificial filament tow.

Figure 46. Alberta's Annual Chapter 55 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products

HS Code	Description	1995	1996	1997	1998	1999	2000
550200	Artificial Filament Tow	115.781	102.334	185.713	125.000	112.297	140.114

**Figure 23. Total Alberta's Chapter 55 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



**HS CHAPTER 69 – CERAMIC PRODUCTS**

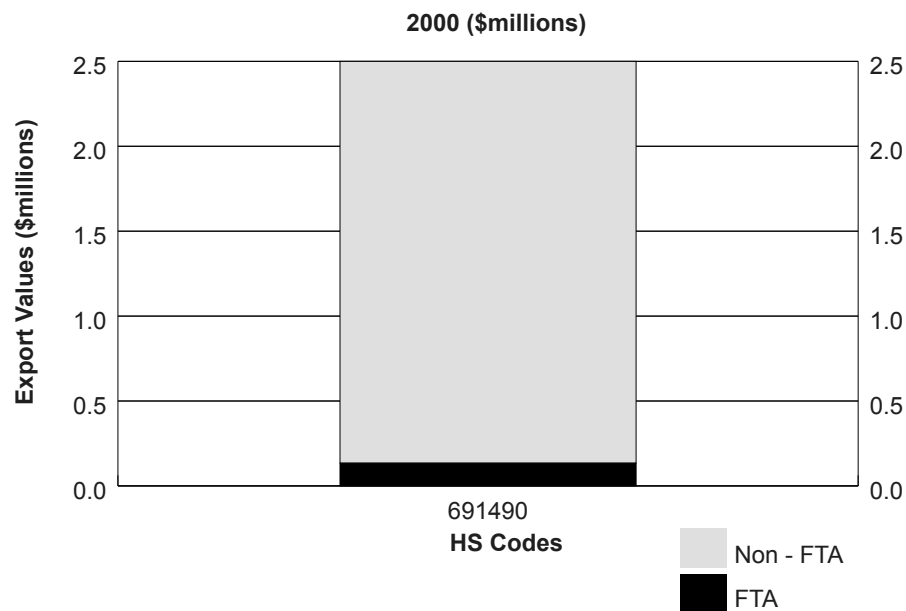
**Table 47. Bound Tariff Summary: Chapter 69**

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
691490	Ceramic Articles	Australia	5%	1.451
		EU 15	3%	0.839

**Table 48. Alberta’s Annual Chapter 69 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
691490	Ceramic Articles	0.009	0.104	0.572	0.524	1.342	2.367

**Figure 24. Total Alberta’s Chapter 69 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



HS CHAPTER 72 – IRON AND STEEL

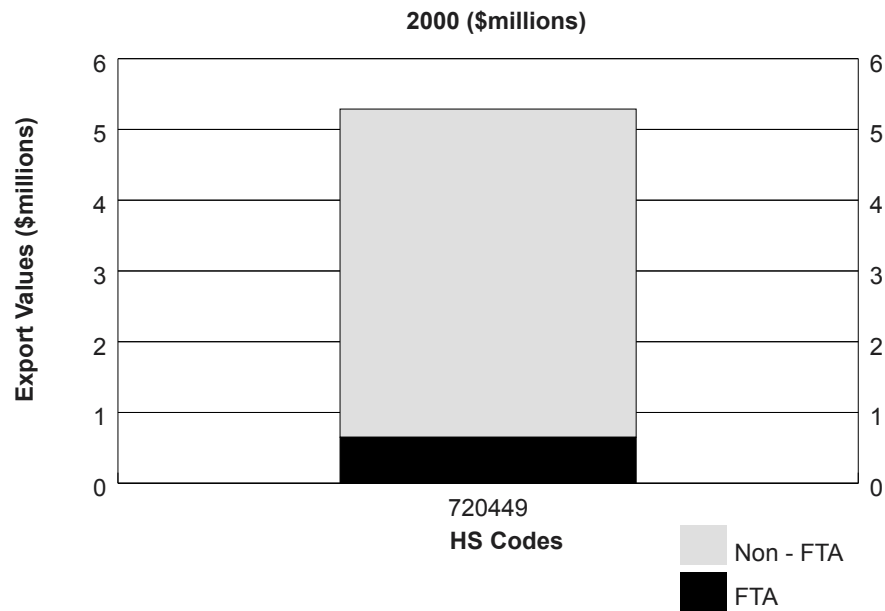
Table 49. Bound Tariff Summary: Chapter 30

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
720449	Other Ferrous Waste, Scrap	China	3% (MFN)	4.499

Table 50. Alberta’s Annual Chapter 72 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products

HS Code	Description	1995	1996	1997	1998	1999	2000
720449	Other Ferrous Waste, Scrap	0.267	0.098	0.173	0.232	0.586	4.638

Figure 25. Total Alberta’s Chapter 72 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products



**HS CHAPTER 73 – ARTICLES OF IRON AND STEEL**

**Table 51. Bound Tariff Summary: Chapter 73**

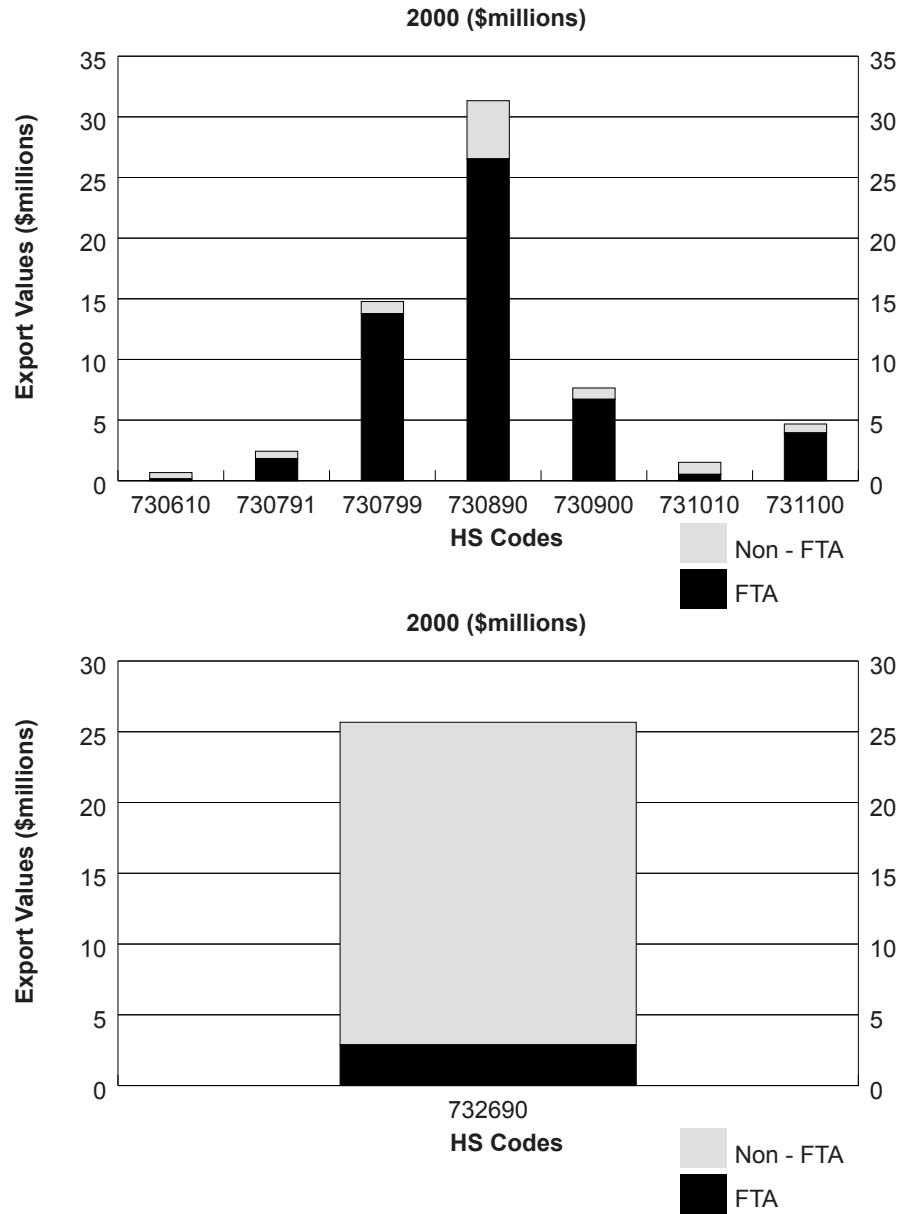
<b>HS</b>	<b>Description</b>	<b>Market</b>	<b>Bound Rate</b>	<b>2000 Exports (\$millions)</b>
730610	Other Pipes for Oil and Gas	Venezuela	40%	0.515
730791	Fittings, Pipe or Tube, Iron or Steel, Other Flanges	Bahrain		0.562
730799	Fittings, Pipe or Tube, Iron or Steel	EU 15	3.7%	0.530
		Singapore	0%	0.161
730890	Structures and Parts of Structures	Turkey		2.606
		Japan	0%	0.477
		Cuba		0.322
		Poland	12%	0.295
		Kuwait	100%	0.289
730900	Tanks, etc. > 300 l capacity	<i>Russia</i>		0.592
731010	Tanks, etc. < 300 l capacity	<i>Russia</i>		0.699
732690	Articles of Iron and Steel	EU 15	2.7%	17.580
		Venezuela	40%	1.662

**Table 52. Alberta's Annual Chapter 73 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

<b>HS Code</b>	<b>Description</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>
730610	Other Pipes for Oil and Gas	0.063	0.879	0.037	0.006	0.158	0.515
730791	Fittings, Pipe or Tube, Iron or Steel, Other Flanges	0.113	0.063	0.202	0.133	0.332	0.616
730799	Fittings, Pipe or Tube, Iron or Steel	1.715	3.544	1.440	1.431	0.740	0.995
730890	Structures and Parts of Structures	6.683	8.818	10.265	5.113	4.099	4.792
731010	Iron or steel containers, 50 <300L	0.002	0.009	0.052	2.234	0.122	0.989
732690	Articles of iron and steel	9.989	16.136	26.281	31.390	23.993	22.793



**Figure 26. Total Alberta's Chapter 73 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



HS CHAPTER 75 – NICKEL AND ARTICLES THEREOF

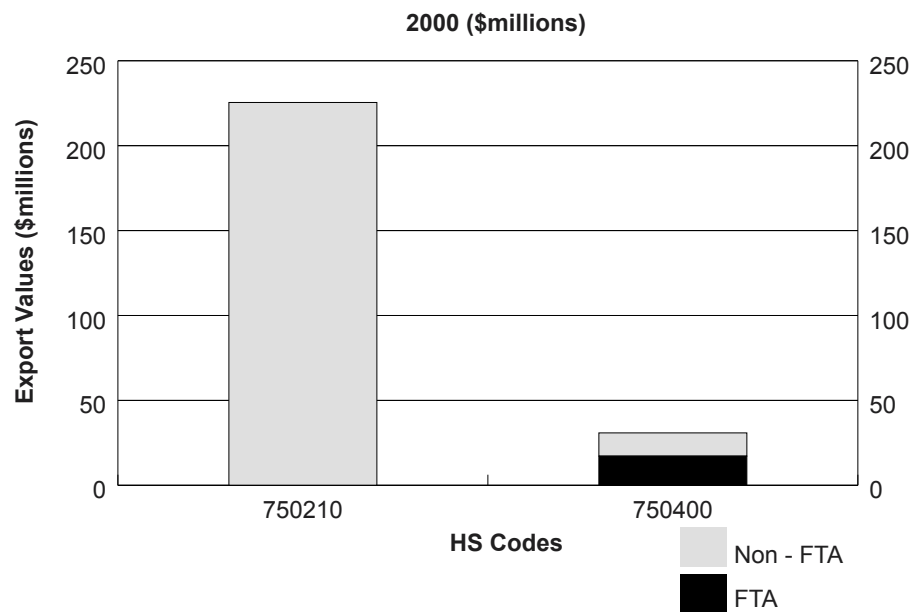
Table 53. Bound Tariff Summary: Chapter 75

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
750210	Nickel, Unwrought, not Alloyed	EU 15	0%	206.658
		Singapore	0%	9.871
		Japan	¥ 44 / kg	8.470
750400	Nickel, Powder and Flakes	EU 15	0%	7.674
		Japan	3% / ¥ 41 / kg	2.669
		Taiwan	0%	1.822
		South Korea	5%	0.917

Figure 54. Alberta’s Annual Chapter 75 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products

HS Code	Description	1995	1996	1997	1998	1999	2000
750210	Nickel, Unwrought, not Alloyed	149.502	237.799	226.139	163.000	179.861	225.435
750400	Nickel, Powder and Flakes	13.615	12.961	23.717	17.123	12.453	13.668

Figure 27. Total Alberta’s Chapter 75 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products



**HS CHAPTERS 76, 81 & 82 – ALUMINIUM, OTHER BASE METALS;  
TOOLS AND CUTLERY OF BASE METALS**

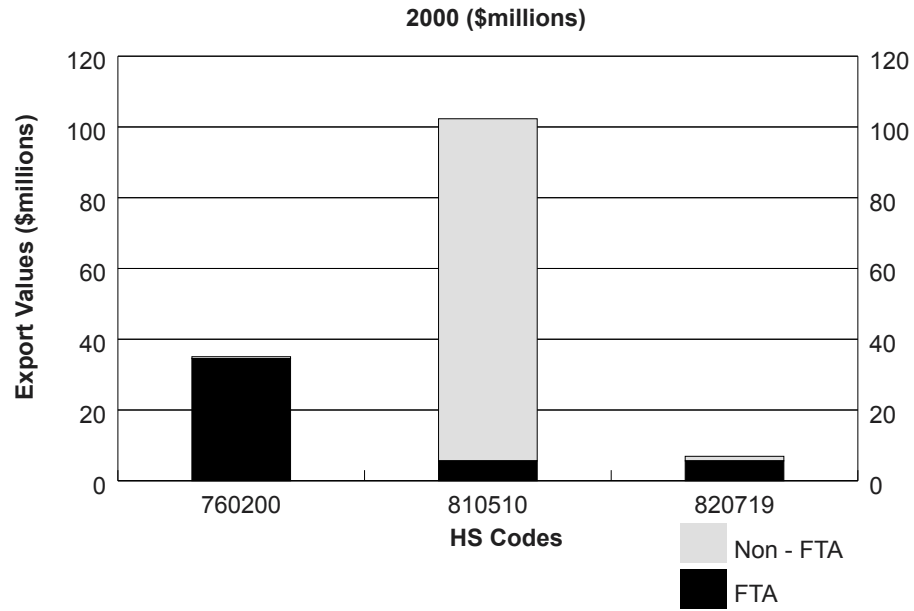
**Table 55. Bound Tariff Summary: Chapters 76, 81 & 82**

<b>HS</b>	<b>Description</b>	<b>Market</b>	<b>Bound Rate</b>	<b>2000 Exports (\$millions)</b>
760200	Aluminium Waste and Scrap	<i>China</i>	6% (MFN)	0.479
810510	Cobalt, Unwrought, Waste and Scrap	Japan	0%	48.980
		EU 15	0%	27.810
		Singapore	0%	14.879
		Hong Kong	0%	2.369
		<i>China</i>	4% (MFN)	1.035
		India	40%	0.967
		South Korea	3%	0.520
820719	Parts of Hand Tools for Drilling/Boring	Cuba		0.409
		Egypt	10%	0.306
		EU 15	n.a.	0.200
		United Arab Emirates	15%	0.101

**Table 56. Alberta's Annual Chapters 76, 81 & 82 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

<b>HS Code</b>	<b>Description</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>
760200	Aluminum Waste and Scrap	0.149	0.297	0.031	-	0.128	0.528
810510	Cobalt, Unwrought, Waste and Scrap	101.007	128.762	213.197	201.000	141.088	96.684
820719	Parts of Hand Tools for Drilling/Boring	-	0.572	1.495	1.709	1.027	1.282

**Figure 28. Total Alberta's Chapters 76, 81 & 82 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



## HS CHAPTER 84 – MACHINERY AND PARTS

Table 57. Bound Tariff Summary: Chapter 84

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
840219	Steam Boilers	<i>China</i>	16% (MFN)	1.285
840890	Engines, Diesel	Czech Republic	4%	1.209
		<i>China</i>	6 - 18% (MFN)	0.290
840991	Parts for Engines 8407, 8408	<i>Iran</i>		0.832
		EU 15	2.7%	0.142
841111	Gas Turbines, Turbo-jets of thrust < 25 KN	EU 15	0 - 3.2%	0.765
841112	Gas Turbines, Turbo-jets of thrust > 25 KN	EU 15	0 - 2.7%	0.948
841121	Gas Turbines, Propeller <= 1100 KW	EU 15	0 - 3.6%	13.457
		South Korea	3 - 8%	4.730
		Kenya	n.a.	1.437
		New Zealand	5%	1.074
		French Polynesia	n.a.	0.988
		Switzerland	0.1% + Fr 60 / 100 kg	0.967
		Australia	0%	0.555
841181	Gas Turbines, Other <= 5000 KW	Japan	0%	0.840
841191	Gas Turbines, Parts for Jet, Propeller	EU 15	0 - 2.7%	2.693
		Singapore	10%	0.126
841199	Gas Turbines, Parts not for Jet, Propeller	EU 15	0 - 4.1%	2.342
841221	Hydraulic Engines, Line	Singapore	0%	0.468
		<i>Russia</i>	n.a.	0.280
841229	Hydraulic Engines, non-Line	EU 15	0 - 4.2%	0.994
		Singapore	10%	0.646
		Nigeria		0.615
		<i>Taiwan</i>	n.a.	0.419
		Australia	15%	0.373

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
841290	Other Engine or Motor Parts	EU 15	0 - 2.7%	7.368
		United Arab Emirates	15%	5.223
		Venezuela	35%	4.483
		Singapore	0%	2.952
		Brazil	35%	2.729
		Egypt	20%	1.712
		Norway	4%	1.313
		Thailand		0.953
		Indonesia	0%	0.808
		<i>Russia</i>	n.a.	0.638
		Colombia		0.627
		Argentina		0.594
841311	Fuel and Lubricant Pumps	<i>China</i>	12% (MFN)	1.190
		Tunisia		0.200
841311	Other Reciprocating Liquid Pumps	Venezuela	40%	0.588
841360	Other Rotary Displacement Liquid Pumps	<i>Russia</i>	n.a.	0.305
		Cuba		0.215
		South Africa	15 - 30%	0.167
841370	Other Centrifugal Liquid Pumps	Cuba		0.583
841381	Other Pumps for Liquids	<i>China</i>	14% (MFN)	2.012
		Argentina		1.512
		Venezuela	40%	1.168
		<i>Syria</i>	n.a.	1.079
		Cuba	5%	1.001
		<i>Kazakhstan</i>	n.a.	0.845
		<i>Libya</i>	n.a.	0.642
841391	Parts of Pumps for Liquids	Venezuela	40%	6.076
		EU 15	1.7%	0.750
		Cuba	5%	0.377
841440	Air compressors	Australia	0 - 5%	1.056

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
841480	Other Air/Gas Pumps/Compressors	Australia	0 - 5%	4.906
		United Arab Emirates	15%	1.927
		Argentina		1.287
		EU 15	0 - 2.2%	0.753
841620	Furnace, Pulverized Solid Fuel	Nigeria	50%	0.500
841780	Other Furnace, for Industry or Lab, not Electric	Venezuela	40%	0.328
		<i>Iran</i>	n.a.	0.182
841869	Other Refrigerating and Freezing Equipment	EU 15	0 - 2.2%	0.629
		United Arab Emirates	15%	0.132
841899	Parts of Refrigerating and Freezing Equipment	EU 15	2%	0.469
841940	Distilling or Rectifying Plant	<i>Russia</i>	n.a.	10.882
		<i>Taiwan</i>	n.a.	0.761
		Venezuela	40%	0.480
841950	Heat Exchange Units, non-Domestic, non-Electric	<i>China</i>	16% (MFN)	2.145
		Venezuela	40%	1.709
841989	Temperature Treating Equipment	<i>Russia</i>	n.a.	5.146
		South Korea	0%	0.502
841990	Parts of Temperature Treating Equipment	Lithuania		11.703
		Romania	0 - 35%	1.761
		<i>China</i>	15% (MFN)	1.040
		<i>Russia</i>	n.a.	1.003
		<i>Libya</i>	n.a.	0.989
		Tunisia		0.456
		Venezuela	40%	0.408
842119	Centrifuges	<i>Yemen</i>	n.a.	1.462
842129	Filtering & Purifying Machinery for Liquids	Venezuela	40%	0.649
		<i>Yemen</i>	n.a.	0.623
		United Arab Emirates	15%	0.194

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
842139	Filtering & Purifying Machinery for Gases	Venezuela	40%	0.313
842199	Parts of Filtering & Purifying Machinery	Venezuela	40%	3.414
		<i>China</i>	10 - 20% (MFN)	2.708
842890	Lifting, Handling or Loading Machinery	Australia	5%	0.519
		Venezuela	40%	0.354
842911	Self-Propelled Bulldozers and Angel dozers	Cuba	6%	0.973
842959	Mechanic Shovels, Excavators and Shovel Loaders	Cuba		0.721
843041	Self-Propelled Boring or Sinking Machinery	EU 15	0%	4.534
		<i>Yemen</i>	n.a.	3.474
		<i>Russia</i>	n.a.	1.952
		<i>Libya</i>	n.a.	1.583
		United Arab Emirates	10%	0.998
		India	25%	0.885
		Argentina	25%	0.570
		Hong Kong	0%	0.527
		Venezuela	40%	0.474
		Angola	60%	0.412
		Bolivia		0.348
		Singapore	0%	0.248
843049	Boring or Sinking Machinery, not Self-Propelled	Venezuela	40%	1.664
		Australia*	0%	0.898
		EU 15	0%	0.632
		<i>Russia</i>	n.a.	0.547
		Qatar		0.478
843110	Parts of Pulley, Tackle, etc.	Venezuela	40%	0.771



HS	Description	Market	Bound Rate	2000 Exports (\$millions)
843139	Parts of Lifting, Handling, Loading Equipment	<i>Russia</i>	n.a.	5.313
		EU 15	0%	1.433
		Poland	5%	0.784
		<i>Kazakhstan</i>	n.a.	0.607
		United Arab Emirates	10%	0.489
		Cuba	n.a.	0.447
		Venezuela	40%	0.445
		Australia	5%	0.443
		Norway	0%	0.354
		Malaysia	5%	0.271
843141	Buckets, Shovels, Grabs & Grips of Derricks, etc.	<i>Libya</i>	n.a.	0.346
843143	Parts of Boring or Sinking Machinery	<i>Russia</i>	n.a.	10.619
		Venezuela	40%	3.962
		EU 15	0%	3.227
		Cuba		2.103
		United Arab Emirates	10%	1.916
		Indonesia	0%	1.888
		Singapore	0%	1.828
		Oman	n.a.	1.652
		Ecuador	10%	1.648
		<i>Kazakhstan</i>	n.a.	1.517
		<i>Sudan</i>	n.a.	0.968
		Australia*	0%	0.831
		Colombia	35%	0.648
		<i>Iran</i>	n.a.	0.633
843149	Parts of Cranes/Construction Equipment, Derricks, etc.	Cuba		1.995
		Japan	0%	1.172
		EU 15	0%	0.969
		<i>Russia</i>	n.a.	0.767
		Australia	0 - 5%	0.479

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
843290	Parts of Agricultural, Horticultural, Forestry Machinery	Australia	0%	1.713
844390	Parts of Printing Machinery	China	20%	1.627
846229	Bending and Folding Equipment for Metal Work	EU 15	1.7%	0.540
847149	Digital ADP Machines	Turkey	0%	1.195
		India	0%	0.612
		EU 15	0%	0.415
		Ecuador		0.373
		China		0.361
		Taiwan	0% (MFN)	0.147
		Brazil		0.110
		Venezuela	40%	0.087
847150	Digital Processing Units	Egypt	5%	0.086
		Australia	0%	0.163
847160	ADP Input or Output Units, Storage or not	EU 15	0%	0.167
		Brazil		0.107
		Singapore	0%	0.063
847170	ADP Storage Units	Hong Kong	0%	0.587
		EU 15	0%	0.223
		Australia	0%	0.122
847180	Other ADP Units	EU 15	0%	0.416
		Australia	0%	0.318
		Bermuda		0.314
		Philippines	0%	0.135
847190	ADP Machine, Optic/Magnetic Reader, etc	Saudi Arabia	n.a.	0.508
		EU 15	0%	0.389
		China	15% (MFN)	0.386
		Argentina		0.165
		India	0%	0.158

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
847330	Parts and Accessories of ADP Machines	EU 15	0%	3.187
		<i>China</i>	9% (MFN)	2.131
		India	0%	0.590
		Egypt	10%	0.496
		Hong Kong	0%	0.487
		<i>Saudi Arabia</i>	n.a.	0.447
		Mali		0.425
		Cuba		0.376
		<i>Taiwan</i>	0% (MFN)	0.348
		Japan	0%	0.344
847410	Sorting Machines of Earth, Stone or Mineral Substances	<i>Algeria</i>	n.a.	2.942
		<i>Yemen</i>	n.a.	0.888
847490	Parts of Sorting Machines	United Arab Emirates	15%	1.615
		<i>Algeria</i>	n.a.	0.409
		Cuba		0.138
847790	Parts of Machinery for Work with Rubber, Plastic, etc.	EU 15	0 - 1.7%	1.467
847910	Machinery for Public Work, Building or the Like	Cuba		0.661
		EU 15	0%	0.159
847981	Metal Treating Machinery	<i>Iran</i>	n.a.	0.916
847982	Machinery for Mixing, Kneading, Crushing or Grinding	Cuba		0.440
		<i>Russia</i>	n.a.	0.389

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
847989	Machinery and Mechanical Appliances of Individual Functions	<i>Iraq</i>	n.a.	9.357
		Venezuela	40%	5.301
		EU 15	0 - 1.7%	4.625
		Ecuador	10 - 15%	3.548
		<i>Russia</i>	n.a.	3.525
		<i>Yemen</i>	n.a.	2.388
		Cuba		1.845
		<i>China</i>	5 - 25% (MFN)	1.627
		United Arab Emirates	15%	1.552
		Czech Republic	0 - 5%	1.440
		<i>Kazakhstan</i>	n.a.	1.251
		Argentina		1.160
		<i>Iran</i>	n.a.	1.042
		Singapore	0%	0.995
		Egypt	10%	0.935
		Nigeria	n.a.	0.811
		Oman		0.579
<i>Sudan</i>		0.576		
<i>Libya</i>		0.507		
847990	Parts of Machinery and Mechanical Appliances of Individual Functions	Venezuela	40%	13.002
		<i>Kazakhstan</i>	n.a.	5.345
		EU 15	0 - 1.7%	4.176
		United Arab Emirates	15%	2.201
		Cuba		1.812
		Norway	0 - 4%	1.605
		<i>Russia</i>	n.a.	1.486
		Singapore	0%	1.442
		Ecuador	15%	0.923
		<i>Yemen</i>	n.a.	0.823
		Oman		0.751
		Australia	0 - 5%	0.606

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
848120	Transmission Valves	Cuba		0.490
848130	Check Valves	EU 15	2.2%	0.291
		Oman		0.128
848140	Safety or Relief Valves	Australia	15%	0.522
		Indonesia	0%	0.186
		Cuba		0.155
		EU 15	2.2%	0.143
		Oman		0.131
		Bahrain	35%	0.115
		Singapore	0%	0.111
		Norway	0%	0.095
848180	Taps, Cocks, Valves, etc.	EU 15	2.2%	2.890
		Norway	0 - 4%	2.519
		Singapore	0%	2.213
		India	40%	1.126
		Qatar	15%	0.921
		<i>Sudan</i>	n.a.	0.835
		Malaysia	0 - 25%	0.764
		<i>Iraq</i>	n.a.	0.733
		Ecuador	15 - 25%	0.690
		<i>China</i>	12 - 14% (MFN)	0.686
		Australia	0 - 5%	0.659
		<i>Algeria</i>	n.a.	0.530
848190	Parts of Taps, Cocks, Valves, etc.	<i>Saudi Arabia</i>	n.a.	0.861
		EU 15	2.2%	0.622
		Singapore	0%	0.209
		Australia	0 - 5%	0.112
		Cuba		0.095
		<i>China</i>	8 - 10% (MFN)	0.079
		United Arab Emirates	15%	0.070
		India	40%	0.054
		Indonesia	0%	0.054
		Venezuela	40%	0.052

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
848280	Other Ball or Roller Bearings	Cuba		1.172
		EU 15	8%	0.124
		United Arab Emirates	15%	0.052
848299	Parts of Bearings	<i>Kazakhstan</i>	n.a.	0.249
		United Arab Emirates	15%	0.185
848340	Gears, Ball or Roller Screws, Gear Boxes, etc.	<i>Turks &amp; Caicos Islands</i>	n.a.	0.257

\* Australia has a special rate for Canada

37% of Chapter HS 84 exports were marketed to non-FTA nations in 2000. These exports are composed of a large variety of products, typically exported in small volumes, to different countries. The EU 15, Russia, Venezuela and China were the major non-FTA destinations of machinery and parts in 2000. Tariffs vary by country and across products in this chapter indicating an overall reduction in broad terms would be beneficial to Alberta.

**Table 58. Alberta's Annual Chapter 84 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
840219	Steam Boilers	-	-	0.056	-	0.181	1.285
840890	Engines, Diesel	0.236	0.139	0.234	1.657	0.428	1.586
840991	Parts for Engines 8407, 8408	0.007	0.078	0.059	-	-	1.015
841111	Gas Turbines, Turbo-jets of thrust < 25 KN	1.762	-	-	0.708	0.000	0.765
841112	Gas Turbines, Turbo-jets of thrust > 25 KN	-	-	2.600	-	-	0.948
841121	Gas Turbines, Propeller <= 1100 KW	5.043	13.057	2.457	-	15.685	23.208
841181	Gas Turbines, Other <= 5000 KW	-	-	-	0.168	4.349	0.840
841191	Gas Turbines, Parts for Jet, Propeller	0.007	0.009	0.074	0.011	2.214	2.819
841199	Gas Turbines, Parts not for Jet, Propeller	3.687	0.035	0.053	-	0.170	1.775
841221	Hydraulic Engines, Line	0.191	0.739	0.101	0.041	0.024	0.826
841229	Hydraulic Engines, non-Line	2.939	7.971	5.209	5.649	1.687	3.462
841290	Other Engine or Motor Parts	13.205	13.319	23.004	19.814	14.122	32.574

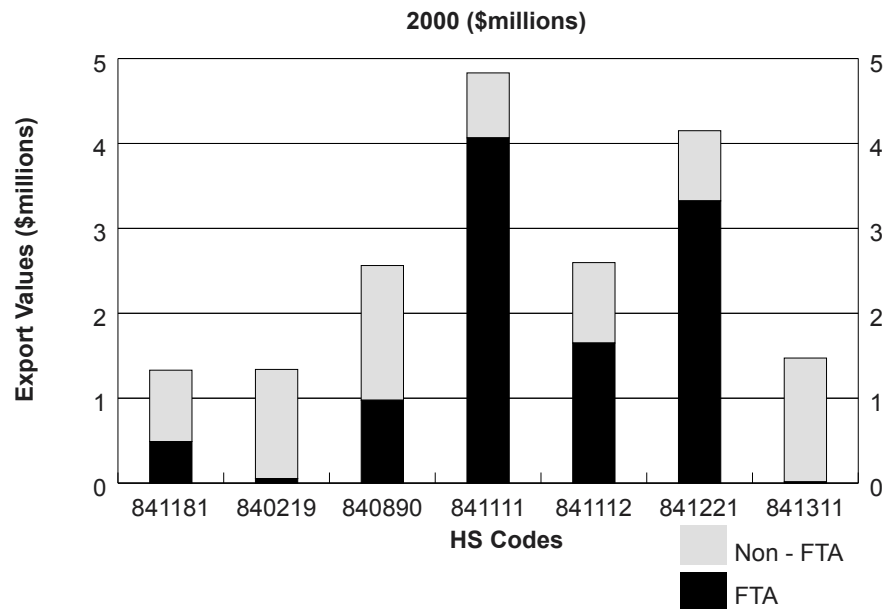
HS Code	Description	1995	1996	1997	1998	1999	2000
841311	Fuel and Lubricant Pumps	-	0.003	-	-	-	1.458
841350	Other Reciprocating Liquid Pumps	0.516	1.626	0.232	0.296	0.077	0.643
841360	Other Rotary Displacement Liquid Pumps	0.136	0.363	1.387	0.999	0.742	0.856
841370	Other Centrifugal Liquid Pumps	0.433	0.113	0.684	0.152	0.315	0.597
841381	Other Pumps for Liquids	1.527	3.021	5.345	11.055	5.827	10.452
841391	Parts of Pumps for Liquids	3.094	2.999	3.385	5.897	6.477	8.320
HS Code	Description	1995	1996	1997	1998	1999	2000
841440	Air compressors	0.079	0.350	0.117	0.094	0.052	1.056
841480	Other Air/Gas Pumps/Compressors	2.507	7.074	7.181	26.961	16.972	9.279
841620	Furnace, Pulverized Solid Fuel	0.006	0.037	0.069	-	0.365	0.513
841780	Other Furnace, for Industry or Lab, not Electric	0.022	0.199	0.203	0.671	0.000	0.513
841869	Other Refrigerating and Freezing Equipment	0.153	0.592	3.724	1.575	1.243	0.776
841899	Parts of Refrigerating and Freezing Equipment	0.030	0.191	0.006	0.698	0.067	0.534
841940	Distilling or Rectifying Plant	1.347	0.286	0.035	0.442	0.343	12.179
841950	Heat Exchange Units, non-Domestic, non-Electric	1.810	5.838	0.887	2.165	6.944	4.069
841989	Temperature Treating Equipment	8.857	8.834	1.385	15.033	6.269	7.745
841990	Parts of Temperature Treating Equipment	5.314	11.307	6.694	36.452	21.428	17.844
842119	Centrifuges	-	0.025	0.216	0.027	0.368	1.478
842129	Filtering & Purifying Machinery for Liquids	0.414	2.297	0.993	1.097	4.632	1.597
842139	Filtering & Purifying Machinery for Gases	1.123	5.470	2.462	13.485	0.674	0.710
842199	Parts of Filtering & Purifying Machinery	1.086	13.307	6.149	4.688	1.502	6.683
842890	Lifting, Handling or Loading Machinery	0.612	7.268	0.992	2.103	3.147	1.452
842911	Self-Propelled Bulldozers and Angledozer	0.180	0.853	0.111	0.618	-	0.973
842959	Mechanic Shovels, Excavators and Shovel Loaders	0.061	0.248	-	0.265	-	0.741
843041	Self-Propelled Boring or Sinking Machinery	1.425	3.998	4.590	5.019	8.469	16.571

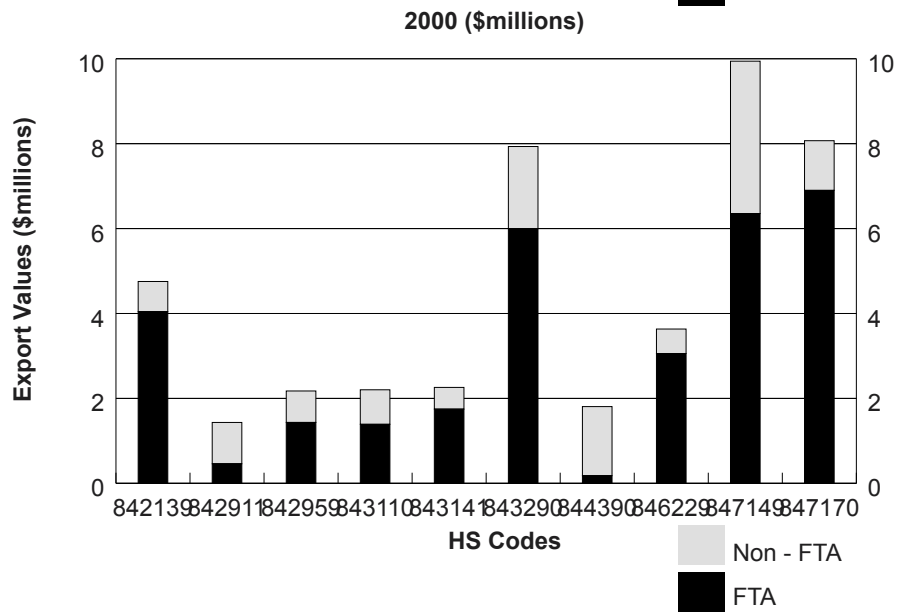
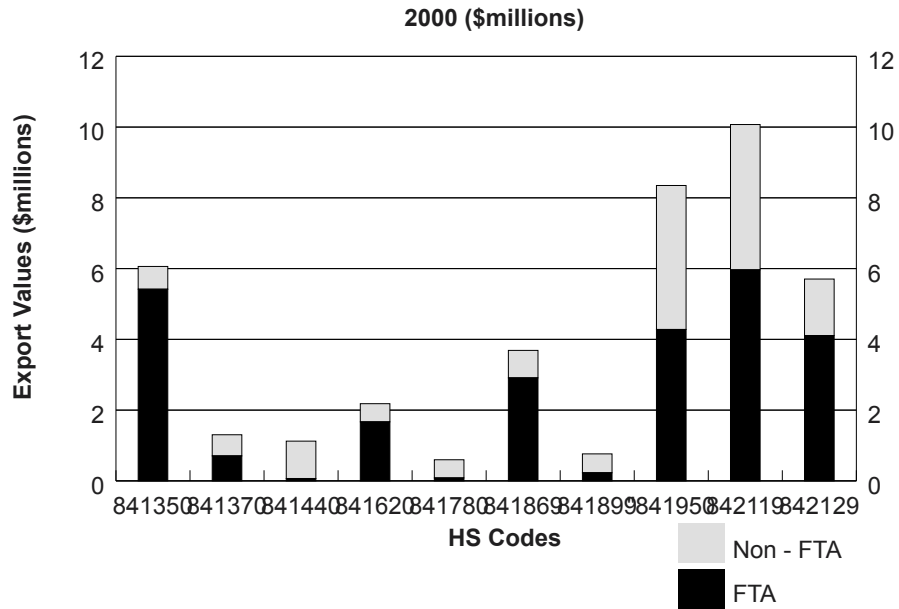
<b>HS Code</b>	<b>Description</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>
843049	Boring or Sinking Machinery, not Self-Propelled	6.871	6.504	16.065	31.308	9.406	5.085
HS Code	Description	1995	1996	1997	1998	1999	2000
843110	Parts of Pulley, Tackle, etc.	0.068	0.073	0.086	0.404	0.020	0.813
843139	Parts of Lifting, Handling, Loading Equipment	9.512	6.218	6.434	12.459	7.034	11.641
843141	Buckets, Shovels, Grabs & Grips of Derricks, etc.	0.465	0.039	0.079	0.368	0.304	0.511
843143	Parts of Boring or Sinking Machinery	18.934	17.454	26.492	42.026	28.278	38.677
843149	Parts of Cranes/Construction Equipment, Derricks, etc.	1.040	3.155	8.530	2.844	2.568	7.068
843290	Parts of Agricultural, Horticultural, Forestry Machinery	0.143	0.321	0.284	0.267	0.451	1.933
844390	Parts of Printing Machinery	0.020	0.047	0.055	-	-	1.627
846229	Bending and Folding Equipment for Metal Work	0.245	-	-	-	0.792	0.577
847149	Digital ADP Machines	-	0.772	3.137	1.072	1.083	3.589
847150	Digital Processing Units	-	0.689	0.201	0.312	0.238	0.649
847160	ADP Input or Output Units, Storage or not	-	1.360	0.934	0.398	0.332	0.587
847170	ADP Storage Units	-	0.471	1.299	2.239	0.859	1.172
847180	Other ADP Units	-	1.028	0.041	5.464	1.068	1.625
847190	ADP Machine, Optic/Magnetic Reader, etc	-	3.854	3.948	1.544	1.017	1.825
847330	Parts and Accessories of ADP Machines	11.133	14.518	4.765	4.397	3.450	10.230
847410	Sorting Machines of Earth, Stone or Mineral Substances	0.094	0.412	0.046	0.080	-	3.942
847490	Parts of Sorting Machines	0.045	0.562	0.094	0.386	0.645	2.246
847790	Parts of Machinery for Work with Rubber, Plastic, etc.	19.652	0.036	0.118	0.010	0.427	1.467
847910	Machinery for Public Work, Building or the Like	0.324	-	-	-	-	0.703
HS Code	Description	1995	1996	1997	1998	1999	2000
847981	Metal Treating Machinery	-	-	-	-	0.112	0.930
847982	Machinery for Mixing, Kneading, Crushing or Grinding	-	-	-	5.079	0.084	0.919
847989	Machinery and Mechanical Appliances of Individual Functions	14.522	27.993	16.746	28.005	21.501	48.587

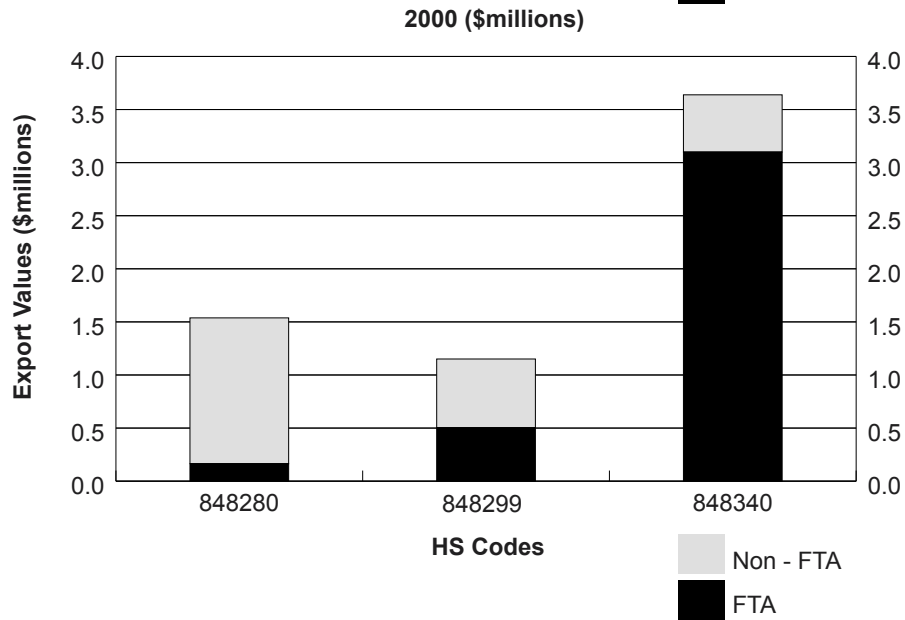
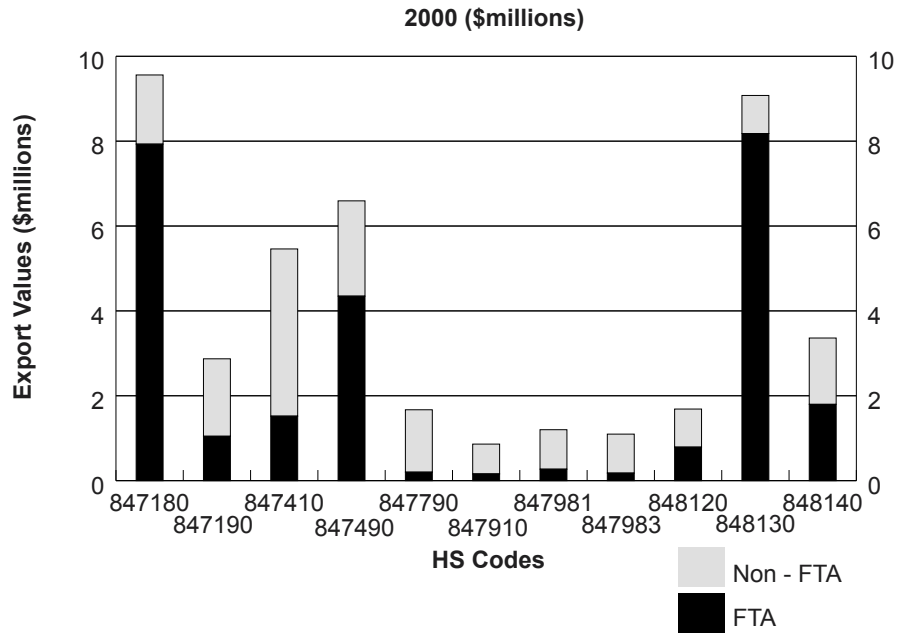


HS Code	Description	1995	1996	1997	1998	1999	2000
847990	Parts of Machinery and Mechanical Appliances of Individual Functions	21.497	21.558	21.921	30.450	23.831	39.975
848120	Transmission Valves	0.582	0.404	0.091	0.216	0.217	0.730
848130	Check Valves	0.187	0.677	0.302	0.445	0.737	0.897
848140	Safety or Relief Valves	0.780	0.453	2.569	1.896	1.099	1.563
848180	Taps, Cocks, Valves, etc.	17.081	15.296	12.316	26.954	15.471	16.833
848190	Parts of Taps, Cocks, Valves, etc.	3.541	3.322	9.091	14.017	5.640	2.590
848280	Other Ball or Roller Bearings	1.417	0.676	0.257	1.244	1.814	1.373
848299	Parts of Bearings	0.016	0.039	0.125	0.258	0.265	0.647
848340	Gears, Ball or Roller Screws, Gear Boxes, etc.	0.326	0.373	1.984	0.429	0.130	0.539

Figure 29. Total Alberta's Chapter 84 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products







## HS CHAPTER 85 – ELECTRICAL MACHINERY, EQUIPMENT AND PARTS

Table 59. Bound Tariff Summary: Chapter 85

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
850131	DC Motors and Generators <= 750 W	India	40%	2.602
		<i>China</i>	16% (MFN)	0.780
850133	DC Motors and Generators > 75 KW, <= 375 KW	India	25%	0.658
		Thailand		0.210
		South Korea	8%	0.133
850134	DC Motors and Generators > 375 KW	Romania	0 – 35%	3.400
		India	25%	3.281
		<i>China</i>	18% (MFN)	0.728
850153	AC Motors, Multi-Phase, > 75KW	<i>China</i>	18% (MFN)	0.531
		Nigeria		0.079
850211	Diesel Generating Set <= 75 KVA	India	40%	0.991
		<i>Algeria</i>	n.a.	0.314
850213	Compression-Ignition Generating Set > 375 KVA	Venezuela	40%	1.176
850220	Spark-Ignition Combustion Generating Set	United Arab Emirates	15%	1.632
850239	Other Electric Generating Sets	India		1.643
		Bangladesh		0.122
		Singapore	0%	0.099
		Pakistan		0.078
850300	Parts of Electric Motors, Generators and Sets	Argentina		0.427
		Venezuela	40%	0.332
		<i>Algeria</i>	n.a.	0.146
		South Africa	15%	0.056
850440	Static Converters &ADP Power Supplies	EU 15	0 - 3.3%	0.394
		Hong Kong	0%	0.301
		<i>Saudi Arabia</i>	n.a.	0.300
		Philippines	0 - 10%	0.200
		Japan	0%	0.198
		Australia	0 - 5%	0.183
		Singapore	0%	0.167
		Thailand		0.129
		<i>Yemen</i>	n.a.	0.114

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
850511	Permanent Magnets Made of Metal	EU 15	2.2%	0.811
851521	Electric Welders, Resistance, Full or Part Automated	EU 15	2.7%	0.566
851719	Videophones & Other Telephone Sets	<i>Taiwan</i>	0% (MFN)	20.134
		Hong Kong	0%	13.193
		Australia	0%	5.488
		Singapore	0%	5.295
		EU 15	0%	2.678
		United Arab Emirates	15%	1.859
		<i>Saudi Arabia</i>	n.a.	1.723
		<i>Russia</i>	n.a.	1.362
		Japan	0%	1.190
		South Korea	0%	0.793
851730	Telephonic or Telegraphic Switching Apparatus	Australia	0%	5.945
		<i>Taiwan</i>	0%	5.149
		EU 15	0%	4.473
		Hong Kong	0%	2.713
		South Korea	0%	1.478
		Singapore	0%	1.439
		<i>Saudi Arabia</i>	n.a.	1.206
		EU 15	0%	3.698
851750	Telecommunication Apparatus, Carrier-Current & Digital Line Systems	<i>Saudi Arabia</i>	n.a.	1.335
		Australia	0%	0.847
		<i>Taiwan</i>	1.7 - 1.8% (MFN)	0.616
		EU 15	0%	0.415
851780	Electric Telephonic and Telegraphic Apparatus	EU 15	0%	0.415
		Hong Kong	0%	0.293
		<i>Saudi Arabia</i>	n.a.	0.150

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
851790	Parts of Line Telephony & Telegraphy	EU 15	0%	17.981
		Australia	0%	15.367
		Guatemala	145%	12.064
		Hong Kong	0%	9.477
		<i>Taiwan</i>	0%	9.443
		Singapore	0%	7.118
		<i>Saudi Arabia</i>	n.a.	6.868
		South Korea	0%	4.479
		Brazil	35%	3.116
		Japan	0%	2.576
		Ecuador	15%	1.668
		Turkey	0%	1.627
		China		0.834
		United Arab Emirates	15%	0.580
Bahrain	35%	0.520		
852020	Telephone Answering Machines	Hong Kong	0%	1.346
		Singapore	0%	1.055
		EU 15	0%	1.044
		Australia	0%	0.799
		<i>Taiwan</i>	0% (MFN)	0.623
852290	Parts & Accessories of Sound/Video Reproducing /Recording Apparatus	EU 15	0 - 4%	0.519
		Hong Kong	0%	0.323
		<i>Taiwan</i>	0 - 6 % (MFN)	0.223
		<i>Saudi Arabia</i>	n.a.	0.135
		Singapore	0%	0.108
852440	Magnetic Tapes, not for Sound or Image	Australia	0%	1.183
		Hong Kong	0%	0.724
		Singapore	0%	0.640
		<i>Taiwan</i>	0% (MFN)	0.464
		Japan	0%	0.376
		South Korea	0%	0.275
		EU 15	0%	0.214

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
852491	Other Recorded Media, not Sound	India	0%	0.309
		Singapore	0%	0.125
		<i>Taiwan</i>	0% (MFN)	0.103
852499	Recorded Media, for Reproducing Sound or Image	EU 15	0%	2.642
		<i>Taiwan</i>	0% (MFN)	2.207
		Australia	0%	1.667
		Hong Kong	0%	0.677
		<i>Saudi Arabia</i>	n.a.	0.590
852520	Transmission & Reception Apparatus	EU 15	0%	18.994
		Australia	0%	5.608
		<i>Bosnia-Herzegovina</i>	n.a.	2.694
		Brazil	35%	2.529
		<i>Taiwan</i>	0%	2.287
		Hong Kong	0%	1.497
		Guatemala	145%	1.488
		Colombia	135%	0.701
		Turkey	0%	0.688
		852530	Fuel and Lubricant Pumps	Colombia
852691	Radio Navigational Aid Apparatus	<i>China</i>	3% (MFN)	2.507
		EU 15	0 - 3.7%	2.497
		Japan	0%	1.378
852910	Antennas & Antenna Reflectors & Parts	EU 15	0 - 5%	1.348
		Japan	0%	0.154
		Australia*	0 - 5%	0.119
852990	Parts of Transmission Apparatus	EU 15	0 - 3%	14.304
		Hong Kong	0%	1.269
		Japan	0%	0.726
		Poland	0 - 12%	0.603
		Brazil	35%	0.491
		Philippines	0 - 7%	0.483
		Australia*	0 - 5%	0.340
		Malaysia	0 - 10%	0.266
		<i>Russia</i>	n.a.	0.240
		<i>Taiwan</i>	0 - 14% (MFN)	0.224

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
853110	Burglar or Fire Alarms & Similar Apparatus	EU 15	0 – 2.2%	0.285
		Qatar		0.109
		China	15% (MFN)	0.068
		Sudan	n.a.	0.036
853400	Printed Circuits	Australia	0%	0.884
		EU 15	0%	0.461
853690	Circuit Protection Apparatus <= 1000 V	Brazil	35%	0.618
		Singapore	0%	0.302
		Taiwan	0 – 3.75% (MFN)	0.285
853710	Boards / Control Panels < 1000 V	EU 15	0 – 2.3%	0.150
		EU 15	2.1%	1.083
		Venezuela	40%	0.489
		Cuba		0.370
		Malta	50%	0.200
		Hong Kong	0%	0.177
		Argentina		0.162
853720	Boards / Control Panels > 1000 V	Singapore	0%	0.866
		Venezuela	40%	0.324
		India	25%	0.229
		EU 15	2%	0.225
		Ecuador	15%	0.175
		Argentina		0.102
854389	Electrical Machinery & Apparatus with Individual Functions	South Korea	8%	0.095
		EU 15	0%	0.272
		St. Vincent & the Grenadine	n.a.	0.147
854441	Insulated Electric Conductors <= 80 V	Hong Kong	0%	0.316
		Australia	0 – 13%	0.172
		EU 15	0 – 3.3%	0.170
		South Korea	0 – 8%	0.148
		Japan	0 – 4.8%	0.129
		Singapore	0%	0.129
854460	Electric Conductors for Voltage Exceeding 1000 V	Japan	0 - 4.8%	0.641
		Yemen	n.a.	0.448
		EU 15	3.7%	0.115
		Ecuador	15%	0.076

\* Australia has a special rate for Canada



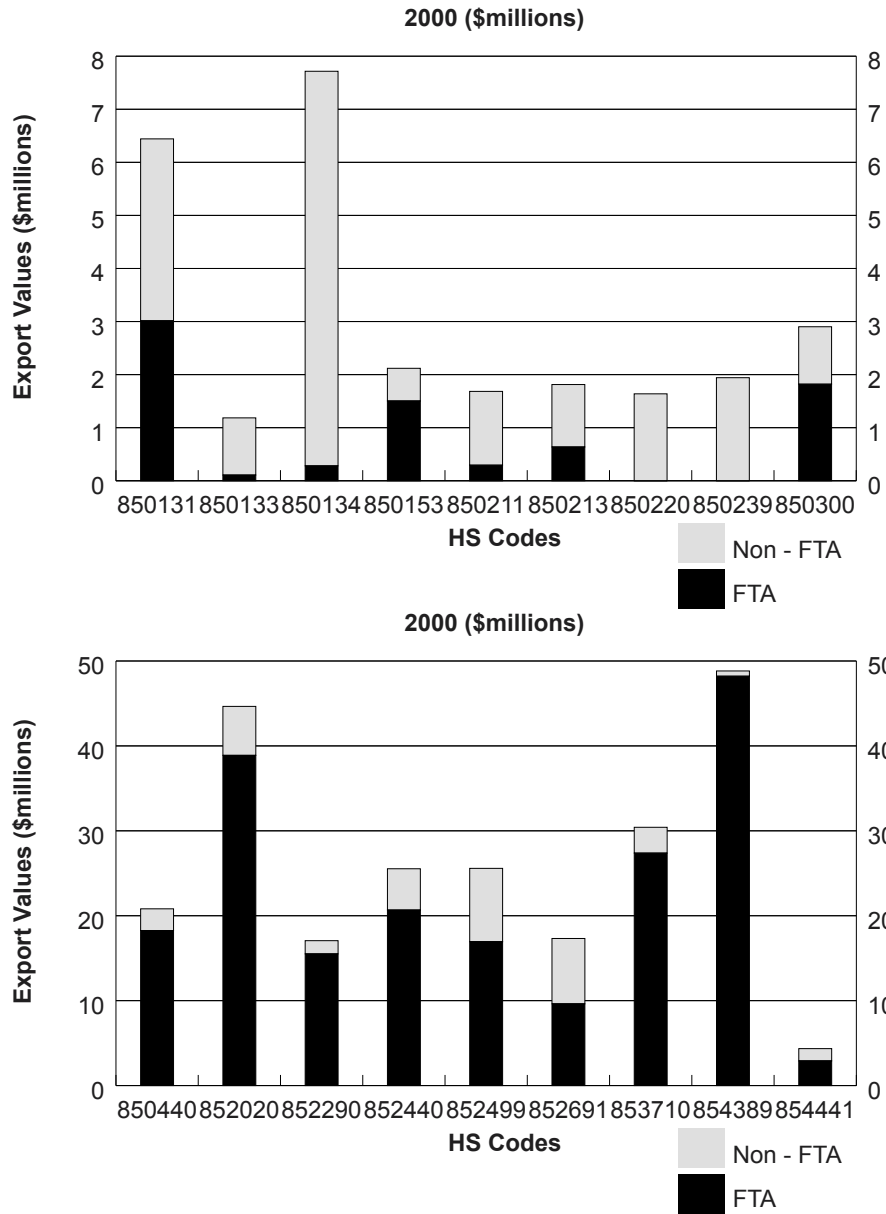
Less than 8% of Chapter HS 85 exports were shipped to non-FTA nations in 2000. As in chapter 84, these exports are composed of a large variety of products and typically exported in small volumes to different countries. The EU 15, Taiwan, Hong Kong and Australia were the major non-FTA destinations of electrical machinery and parts in 2000. The most important products in this chapter are in the telecommunications categories. Increasing the number of signatory countries of the IT Agreement of Singapore would be beneficial to Alberta, as some large volumes are exported to nations not included in the agreement.

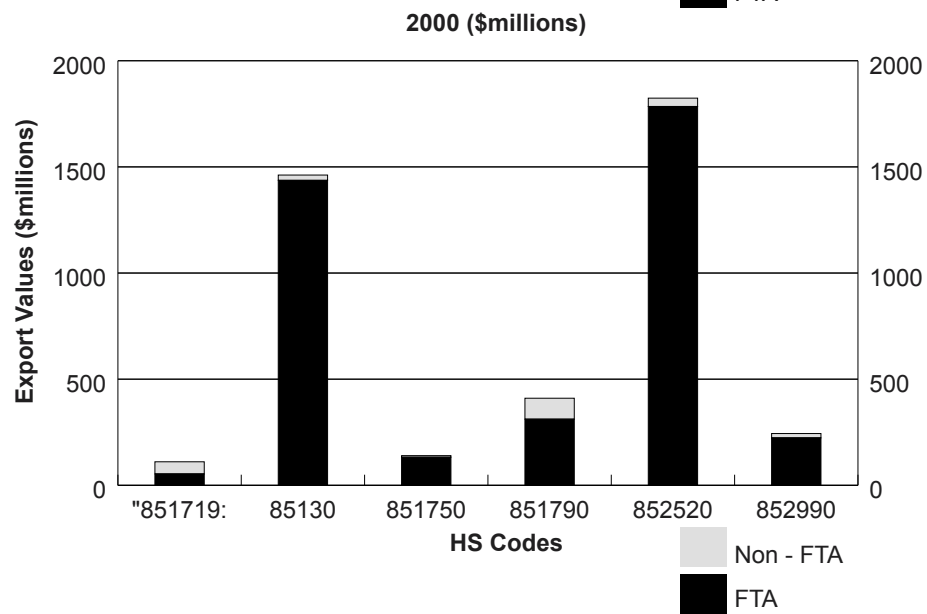
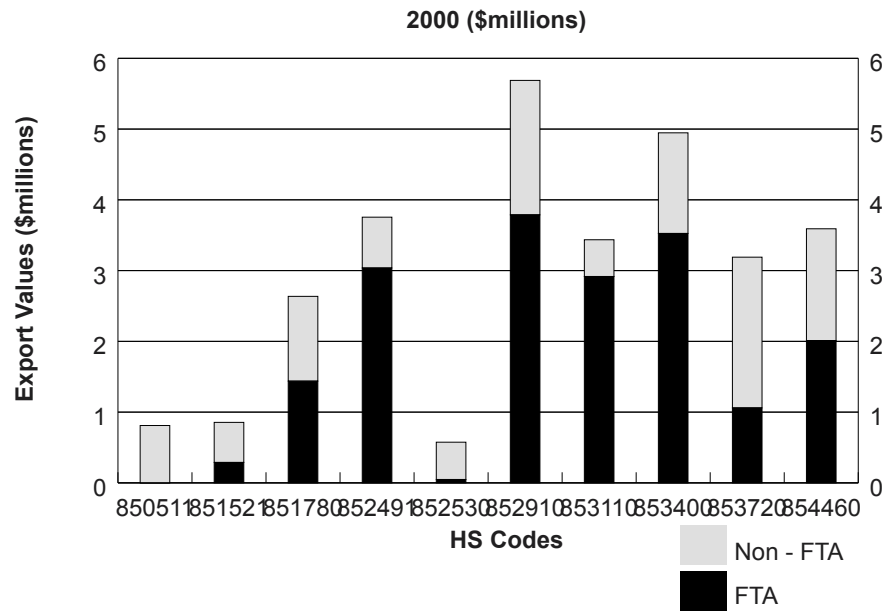
**Table 60. Alberta's Annual Chapter 85 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
850131	DC Motors and Generators <= 750 W	0.153	0.006	1.657	1.001	1.100	3.427
850133	DC Motors and Generators > 75 KW, <= 375 KW	0.004	-	0.012	-	0.073	1.077
850134	DC Motors and Generators > 375 KW	0.080	0.280	0.246	0.139	0.130	7.436
850153	AC Motors, Multi-Phase, > 75KW	-	0.007	0.095	0.290	0.087	0.615
850211	Diesel Generating Set <= 75 KVA	0.177	0.146	0.078	0.011	0.026	1.391
850213	Compression-Ignition Generating Set > 375 KVA	-	-	-	0.316	0.779	1.176
850220	Spark-Ignition Combustion Generating Set	0.003	-	-	0.020	-	1.639
850239	Other Electric Generating Sets	-	-	-	0.041	0.410	1.943
850300	Parts of Electric Motors, Generators and Sets	0.189	0.429	2.822	1.666	0.276	1.082
850440	Static Converters & ADP Power Supplies	1.010	1.121	1.512	1.680	0.834	2.554
850511	Permanent Magnets Made of Metal	-	-	-	-	-	0.811
851521	Electric Welders, Resistance, Full or Part Automated	-	0.012	-	-	-	0.566
851719	Videophones & Other Telephone Sets	-	20.823	23.229	20.137	42.572	57.106
851730	Telephonic or Telegraphic Switching Apparatus	18.994	13.746	15.038	9.670	21.557	24.900
851750	Telecommunication Apparatus, Carrier-Current & Digital Line Systems	-	4.503	3.348	9.377	9.383	7.356
851780	Electric Telephonic and Telegraphic Apparatus	-	0.054	0.349	0.897	1.152	1.199
851790	Parts of Line Telephony & Telegraphy	22.375	26.948	28.811	32.852	46.333	98.574
852020	Telephone Answering Machines	2.190	3.319	6.000	2.526	6.075	5.765

<b>HS Code</b>	<b>Description</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>
852290	Parts & Accessories of Sound/Video Reproducing /Recording Apparatus	0.028	0.042	0.145	0.573	0.493	1.553
852440	Magnetic Tapes, not for Sound or Image	-	0.091	-	-	-	4.858
852491	Other Recorded Media, not Sound	-	3.776	0.935	0.035	0.093	0.718
852499	Recorded Media, for Reproducing Sound or Image	-	0.167	0.111	0.500	5.331	8.629
852520	Transmission & Reception Apparatus	7.632	11.181	15.462	4.069	15.091	39.281
852530	Fuel and Lubricant Pumps	-	0.011	0.007	0.156	0.031	0.528
852691	Radio Navigational Aid Apparatus	1.283	2.860	3.074	6.106	7.063	7.694
852910	Antennas & Antenna Reflectors & Parts	0.221	0.386	0.763	1.933	2.151	1.900
852990	Parts of Transmission Apparatus	2.064	2.752	2.189	2.692	6.282	20.292
853110	Burglar or Fire Alarms & Similar Apparatus	0.447	0.035	0.115	0.077	0.016	0.519
853400	Printed Circuits	0.024	0.025	0.369	0.268	0.666	1.422
853690	Curcuit Protection Apparatus <= 1000 V	0.795	0.545	2.321	0.369	0.882	1.836
853710	Boards / Control Panels < 1000 V	-	1.978	1.879	3.544	3.633	3.038
853720	Boards / Control Panels > 1000 V	0.330	1.790	2.143	11.789	17.607	2.130
854389	Electrical Machinery & Apparatus with Individual Functions	-	2.274	3.088	2.107	3.271	0.617
854441	Insulated Electric Conductors <= 80 V	0.301	0.208	0.469	0.196	0.417	1.442
854460	Electric Conductors for Voltage Exceeding 1000 V	0.019	0.169	0.869	0.340	2.204	1.579

**Figure 30. Total Alberta's Chapter 85 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**





## HS CHAPTER 87 – VEHICLES AND PARTS THEREOF

**Table 61. Bound Tariff Summary: Chapter 87**

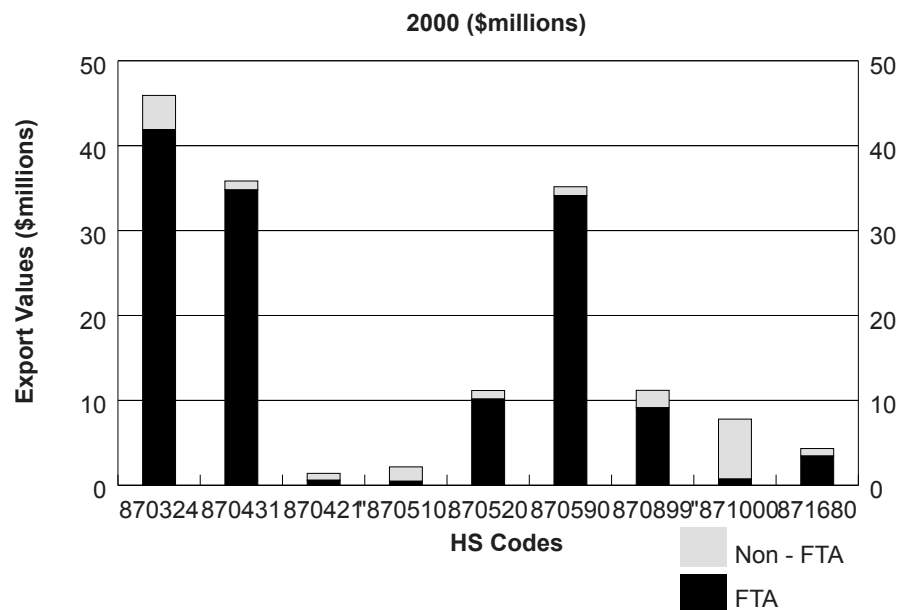
HS	Description	Market	Bound Rate	2000 Exports (\$millions)
870324	Passenger Autos, Spark-Ignition > 3000 cc	Japan	0%	3.321
		EU 15	10%	0.574
870421	Diesel Trucks, <= 5 MT	EU 15	3.5 - 22%	0.505
		Turkey	19.4%	0.193
		Phillipines	3 - 30%	0.052
870431	Motor Trucks, Spark-Ignition, <= 5 MT	Japan	0%	0.710
		EU 15	3.5 - 22%	0.306
870510	Mobile Cranes	<i>Yemen</i>	n.a.	1.679
870520	Mobile Drilling Derricks	Australia	5%	0.936
		<i>Croatia</i>	n.a.	0.070
870590	Other Special Purpose Vehicles	<i>Yemen</i>	n.a.	0.283
		Venezuela	40%	0.282
		Ecuador	20 - 40%	0.227
		Argentina		0.166
		Cuba	12%	0.075
870899	Other Parts & Accessories for Motor Vehicles	Argentina		0.425
		Cuba	5%	0.330
		EU 15	3 - 4.5%	0.291
		Australia*	0 - 7.5%	0.277
		Singapore		0.211
		Hong Kong	0%	0.161
871000	Motorized Tank & Other Armored War Vehicle	EU 15	1.7%	0.525
871640	Trailers and Semi-Trailers	<i>Russia</i>	n.a.	4.740
		EU 15	2.7%	1.572
		Hong Kong	0%	0.452
		Venezuela	40%	0.258
871680	Other Vehicles not-Mechanically Propelled	EU 15	1.7%	0.882

\* Australia has a special rate for Canada

**Table 62. Alberta's Annual Chapter 87 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
870324	Passenger Autos, Spark-Ignition > 3000 cc	3.419	3.489	1.670	1.935	2.736	4.018
870421	Diesel Trucks, <= 5 MT	0.321	0.512	0.351	0.157	0.222	0.810
870431	Motor Trucks, Spark-Ignition, <= 5 MT	1.227	1.167	1.041	0.617	1.500	1.053
870510	Mobile Cranes	-	0.309	0.042	-	0.451	1.693
870520	Mobile Drilling Derricks	4.348	4.195	4.330	0.758	0.109	1.006
870590	Other Special Purpose Vehicles	2.999	3.680	3.266	2.187	3.082	1.034
870899	Other Parts & Accessories for Motor Vehicles	2.947	1.558	3.346	3.483	2.857	2.053
871640	Trailers and Semi-Trailers	-	-	0.041	0.304	1.424	7.058
871680	Other Vehicles not-Mechanically Propelled	0.036	0.043	0.024	0.192	0.796	0.882

Figure 31. Total Alberta's Chapter 87 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products



## HS CHAPTER 88 – AIRCRAFT, SPACECRAFT AND PARTS

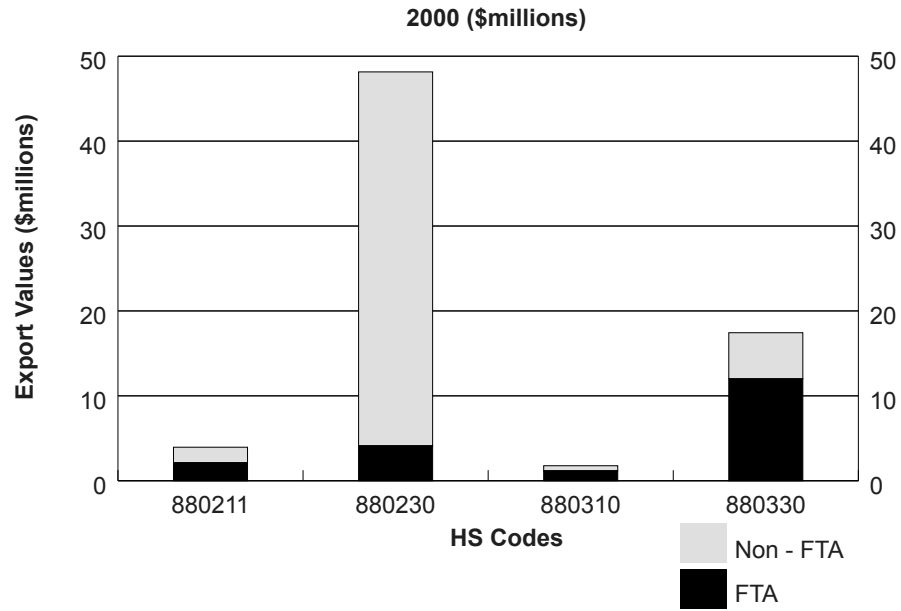
**Table 63. Bound Tariff Summary: Chapter 88**

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
880211	Helicopters <= 2000 kg	EU 15	0 - 7.5%	1.824
880230	Airplane & Aircraft > 2000 kg, <= 15000 kg	Argentina		36.377
		Jamaica	50%	5.167
		Nepal	n.a.	2.490
880310	Propeller Rotor & Parts of Gliders & Aircraft	EU 15	0 - 2.7%	0.475
		Nepal	n.a.	0.054
880330	Parts of Airplanes or Helicopters	EU 15	0 - 2.7%	3.843
		Malasya	0%	0.620
		Maldives	30%	0.214
		Australia	0%	0.182
		Singapore	0%	0.159

**Table 64. Alberta's Annual Chapter 88 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
880211	Helicopters <= 2000 kg	-	-	-	0.153	-	1.824
880230	Airplane & Aircraft > 2000 kg, <= 15000 kg	7.093	166.824	61.131	73.632	3.501	44.034
880310	Propeller Rotor & Parts of Gliders & Aircraft	0.309	0.334	0.035	0.013	0.179	0.593
880330	Parts of Airplanes or Helicopters	5.757	5.848	3.362	4.242	4.668	5.426

**Figure 32. Total Alberta's Chapter 88 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**





HS CHAPTER 90 – OPTICAL, PHOTO AND PRECISION INSTRUMENTS

Table 65. Bound Tariff Summary: Chapter 90

HS	Description	Market	Bound Rate	2000 Exports (\$millions)
901580	Surveying Instruments and Appliances	EU 15	2.7 - 3.7%	4.396
		Australia	0%	3.636
		Norway	2.5 - 4%	2.012
		Argentina		0.756
901590	Parts and Accessories of Surveying Instruments	<i>Russia</i>	n.a.	2.398
		<i>Libya</i>	n.a.	0.762
		Australia	0%	0.518
		EU 15	2.7%	0.404
		Malta	50%	0.321
		Norway	3 - 4%	0.316
901890	Instruments and Appliances for Medical, Surgical, Dental, Veterinarian	EU 15	0%	1.550
		<i>Russia</i>	n.a.	0.327
		Thailand	20%	0.275
		Switzerland	0%	0.076
901910	Mechanical Therapy, Massage or Testing Appliances	EU 15	0%	0.480
902130	Artificial Body Parts	EU 15	0%	21.772
		Japan	0%	12.471
		Hong Kong	0%	3.151
		Switzerland	0%	2.174
		Brazil	35%	1.035
		Cyprus	40%	0.999
		Norway	0%	0.992
		India	40%	0.768
		Egypt	10%	0.753
		Colombia	35%	0.747
		Australia	0%	0.726
		Jordan	n.a.	0.506
		902190	Appliances Worn, Carried, Implanted in Body & Parts	India
EU 15	0%			0.110

<b>HS</b>	<b>Description</b>	<b>Market</b>	<b>Bound Rate</b>	<b>2000 Exports (\$millions)</b>
902580	Hydrometers and Similar Instruments	<i>Russia</i>	n.a.	0.815
902610	Other Instruments and Apparatus for Measuring Liquid Flow or Level	<i>Kazakhstan</i>	n.a.	0.451
		EU 15	0%	0.226
		<i>Yemen</i>	n.a.	0.133
		Hungary		0.117
		Cuba		0.107
902620	Other Instruments and Apparatus for Measuring Pressure	<i>China</i>	12% (MFN)	2.618
		<i>Kazakhstan</i>	n.a.	0.282
902680	Other Instruments for Measuring Liquids or Gases	<i>China</i>	12% (MFN)	0.235
902690	Parts of Instruments for Measuring Liquids or Gases	<i>China</i>	9% (MFN)	0.458
		EU 15	0%	0.143
902710	Gas or Smoke Analysis Apparatus	EU 15	2.5%	3.140
		United Arab Emirates	15%	1.549
		Qatar	15%	0.639
		Singapore	0%	0.534
		Australia	0%	0.456
		South Korea	8%	0.445
902730	Spectrometers and Spectrophotometers	EU 15	0%	1.587
		South Korea	0%	0.050
		Australia	0%	0.047
902780	Instruments for Measuring Viscosity and Heat	Nigeria		2.523
		EU 15	0%	0.454
		India	0%	0.417
		<i>Yemen</i>	n.a.	0.346
		Colombia	35%	0.279
902790	Parts of Instruments for Physical/Chemical Analysis	EU 15	0 - 2.5%	0.479
		United Arab Emirates	15%	0.139

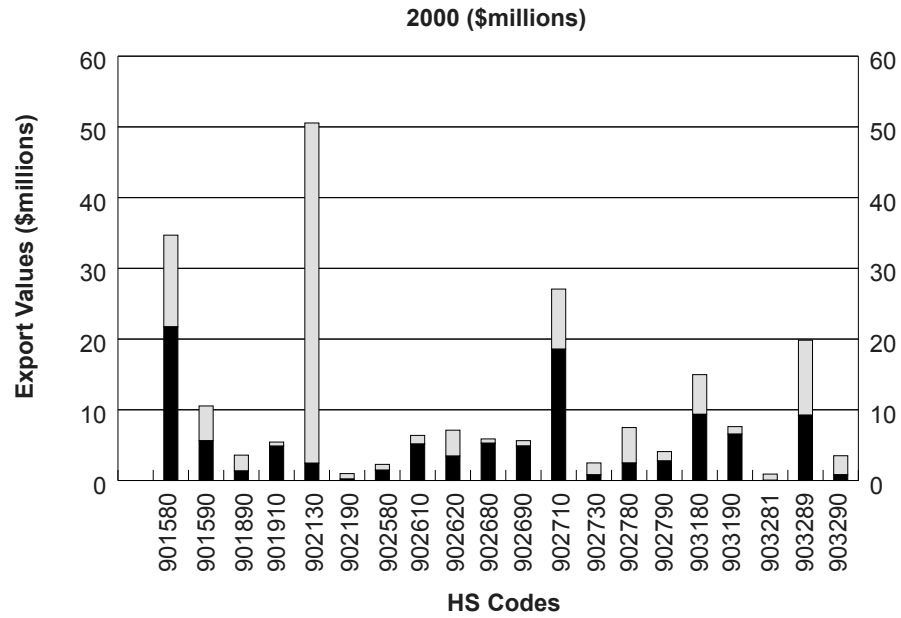
HS	Description	Market	Bound Rate	2000 Exports (\$millions)
903180	Measuring & Checking Instruments Appliances and Machines	EU 15	0 - 4%	1.717
		<i>Kazakhstan</i>	n.a.	1.193
		Venezuela	40%	0.812
		South Korea	0 - 8%	0.535
		<i>China</i>	12% (MFN)	0.363
903190	Parts of Measuring & Checking Instruments Appliances and Machines	Argentina		0.591
		EU 15	0 - 2.8%	0.142
		Poland	9%	0.120
		<i>Laos</i>	n.a.	0.114
903281	Hydraulic/Pneumatic Auto-Regulating Control Instrument	Qatar	15%	0.871
903289	Automatic Controlling Instruments	EU 15	0 - 2.8%	4.194
		United Arab Emirates	15%	1.497
		Hong Kong	0%	1.163
		Malasya	0%	0.723
		India	40%	0.550
		Singapore	0%	0.519
		903290	Parts of Automatic Controlling Instruments	Hong Kong
New Zealand		0.561		
Brazil	35%	0.420		
Argentina		0.192		
<i>Turkmenistan</i>	n.a.	0.171		
	Singapore	0%	0.160	

Almost 41% of Chapter HS 90 exports were shipped to non-FTA nations in 2000. As in chapters 84 and 85, these exports are composed of a large variety of products, typically exported in small volumes, to different countries. Artificial body parts and different precision instruments and apparatus are the most important products. The EU 15, Norway and Japan were the major non-FTA destinations of HS 90 in 2000. Tariffs, with a few exceptions, are not high in this chapter.

**Table 66. Alberta's Annual Chapter 90 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
901580	Surveying Instruments and Appliances	3.789	4.529	12.084	19.663	14.787	12.965
901590	Parts and Accessories of Surveying Instruments	0.940	1.721	3.258	2.876	1.909	4.921
901890	Instruments and Appliances for Medical, Surgical, Dental, Vet.	0.185	0.338	1.395	0.547	0.750	2.242
901910	Mechanical Therapy, Massage or Testing Appliances	0.114	0.025	0.061	0.434	0.225	0.580
902130	Artificial Body Parts	54.704	53.643	53.913	60.038	56.526	48.109
902190	Appliances Worn, Carried, Implanted in Body & Parts	0.120	0.393	0.174	0.411	0.405	0.772
902580	Hydrometers and Similar Instruments	0.099	0.658	0.130	0.010	0.074	0.821
902610	Other Instruments and Apparatus for Measuring Liquid Flow or Level	0.640	2.355	2.088	1.143	0.759	1.222
902620	Other Instruments and Apparatus for Measuring Pressure	3.587	2.421	4.417	1.118	1.038	3.668
902680	Other Instruments for Measuring Liquids or Gases	0.183	0.538	0.471	1.240	0.655	0.608
902690	Parts of Instruments for Measuring Liquids or Gases	0.397	0.747	0.826	1.369	1.978	0.761
902710	Gas or Smoke Analysis Apparatus	5.102	4.655	2.146	2.579	2.647	8.501
902730	Spectrometers and Spectrophotometers	0.444	-	1.427	1.371	2.421	1.683
902780	Instruments for Measuring Viscosity and Heat	0.818	1.070	0.609	1.843	1.837	5.015
902790	Parts of Instruments for Physical/Chemical Analysis	0.776	0.848	0.483	0.305	0.461	1.326
903180	Measuring & Checking Instruments Appliances and Machines	11.840	3.383	12.633	1.837	2.808	5.609
903190	Parts of Measuring & Checking Instruments Appliances and Machines	2.868	1.203	0.627	0.584	0.459	1.065
903281	Hydraulic/Pneumatic Auto-Regulating Control Instrument	0.003	0.048	0.021	0.011	0.000	0.877
HS Code	Description	1995	1996	1997	1998	1999	2000
903289	Automatic Controlling Instruments	0.620	1.042	1.582	2.162	10.137	10.600
903290	Parts of Automatic Controlling Instruments	0.241	0.801	0.445	0.241	0.387	2.692

**Figure 33. Total Alberta's Chapter 90 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



**HS CHAPTER 94 – FURNITURE, BEDDING; PRE-FABRICATED BUILDINGS**

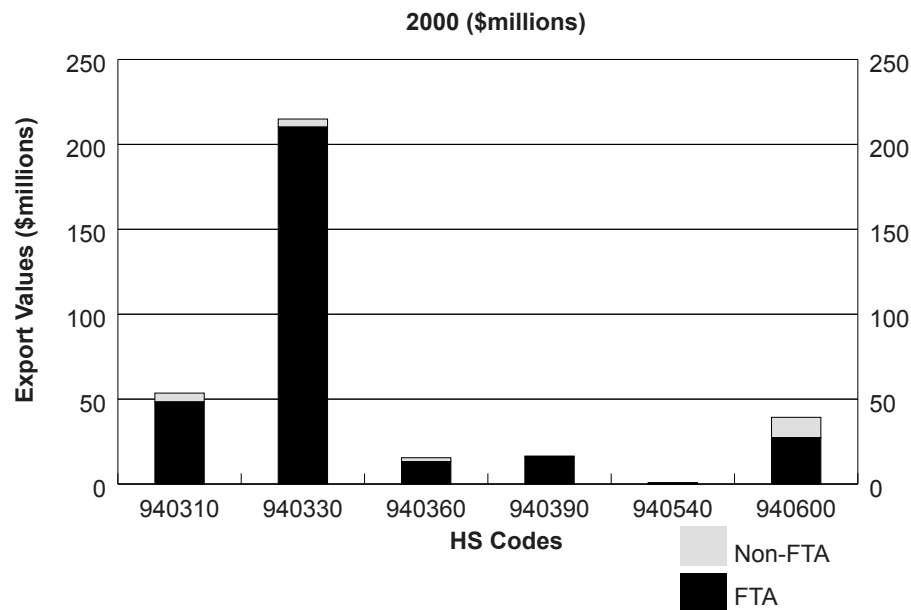
**Table 67. Bound Tariff Summary: Chapter 94**

<b>HS</b>	<b>Description</b>	<b>Market</b>	<b>Bound Rate</b>	<b>2000 Exports (\$millions)</b>
940310	Metal Office Furniture, Except Seats	EU 15	0%	1.425
		<i>Bahamas</i>	n.a.	0.894
		Japan	0%	0.639
		Egypt	60%	0.563
940330	Wooden Office Furniture, Except Seats	Switzerland	0%	1.982
		EU 15	0%	1.530
940360	Wooden Furniture	Japan	0%	1.251
		<i>Bahamas</i>	n.a.	0.424
		EU 15	0%	0.409
940390	Parts of Furniture	EU 15	2.7%	0.440
		<i>Bahamas</i>	n.a.	0.032
940540	Electric Lamps and Lighting Fittings	<i>Algeria</i>	n.a.	0.482
		EU 15	2.7 - 4.7%	0.139
		Cuba	7%	0.029
940600	Prefabricated Buildings	<i>Russia</i>	n.a.	3.554
		Japan	0%	2.620
		Venezuela	40%	2.437
		<i>Algeria</i>	n.a.	1.129
		<i>Azerbaijan</i>	n.a.	0.444
		Poland	6%	0.407

**Table 68. Alberta's Annual Chapter 94 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

HS Code	Description	1995	1996	1997	1998	1999	2000
940310	Metal Office Furniture, Except Seats	1.229	2.412	0.940	4.122	2.421	5.196
940330	Wooden Office Furniture, Except Seats	0.815	5.380	4.645	3.000	2.063	4.729
940360	Wooden Furniture	2.057	3.489	4.179	1.494	1.439	2.247
940390	Parts of Furniture	0.007	1.631	1.068	0.391	0.248	0.505
940540	Electric Lamps and Lighting Fittings	0.058	0.012	0.070	0.222	0.049	0.656
940600	Prefabricated Buildings	11.192	22.984	23.437	13.004	12.556	11.939

**Figure 34. Total Alberta's Chapter 94 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**



**HS CHAPTERS 95 & 97 – TOYS AND SPORTS EQUIPMENT; COLECTORS’ ITEMS, ARTS AND ANTIQUES**

**Table 69. Bound Tariff Summary: Chapters 95 & 97**

<b>HS</b>	<b>Description</b>	<b>Market</b>	<b>Bound Rate</b>	<b>2000 Exports (\$millions)</b>
950699	Articles for Sports	EU 15	0 - 2.7%	1.134
		Japan	0%	0.172
		Australia*	0 - 5%	0.118
		Norway	3%	0.054
950800	Fairground Amusement	Japan	0%	5.642
		South Korea	8%	0.221
970500	Collectors Items of Botanical/Historical Interest	Japan	0%	0.269
		EU 15	0%	0.179
		Hong Kong	0%	0.121
		Singapore	0%	0.030

\* Australia has a special rate for Canada

**Table 70. Alberta’s Annual Chapters 95 & 97 Export Values to Non-FTA Countries, 1995 - 2000, \$millions – selected products**

<b>HS Code</b>	<b>Description</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>
950699	Articles for Sports	0.371	0.653	0.259	0.509	0.670	1.491
950800	Fairground Amusement	0.009	0.004	0.155	0.054	0.027	5.863
970500	Collectors Items of Botanical/Historical Interest	1.821	0.887	2.353	0.973	1.261	0.622



**Figure 35. Total Alberta's Chapter 95 & 97 Export Values to Non-FTA and FTA Countries in 2000, (\$millions) – selected products**

