

Chapter 4

Protection and support

Robert McDougall and Aziz Elbehri

In this chapter, we summarize the average level of import tariffs and estimated agricultural export and output subsidies. A detailed description of protection data is found in chapter 13.

4.1 Import tariffs

Table 4.1 presents average import tariffs, by commodity and importing region. As discussed in chapter 13, these are averages of MFN applied tariff rates obtained at the tariff line level and aggregated up to the GTAP concordance using trade-weights. In those cases where there exists considerable variation in tariff rates within a GTAP sector, it is possible to obtain large differences in bilateral tariffs in the GTAP data base. These compositional differences in protection are not shown in table 4.1, which only presents import averages. However, the user of this data base should be aware of this feature which captures the flavor of tariff line (6,000 - 10,000 commodities) in the aggregated, 50-commodity data base.

In the case of agricultural products, where non-tariff barriers have played a very important role in the past, we have drawn upon the work of Marinos Tsigas (chapter 13.2) to characterize distortions -- particularly in the grains, livestock, and dairy products areas for the OECD countries. For non-OECD countries, indirect estimates were derived using OECD data and protection information from the GTAP version 3 data base. The version 4 GTAP aggregation is designed to capture some of these very large distortions in agricultural trade, and a cursory glance at table 4.1 shows why this was done. In Japan, import barriers for rice, wheat, and other grains range from 450 to 535%. Other countries with high tariffs for other grains include Korea, Malaysia, Philippines, Thailand, and Taiwan. Meat and dairy products in these economies are also heavily protected.

Indeed, dairy products are highly protected across most economies in the world. Outside agriculture, food processing tended to be the most highly protected among the manufacturing sectors.

On the non-food side, protection in the wearing apparel and textiles sector, which were the target for reform under Uruguay Round (UR) do not seem any higher than that for the other manufacturing sectors (contrast the pre-UR tariff levels for these commodities reported in the GTAP data base version 3).

Several more general observations about these data are also in order. In most regions, there is considerable variation in tariff levels across commodities. Chile provides an interesting exception to this rule where, with only a few exceptions, post-UR tariffs were set at a level between 10 and 20%. Also, since these tariffs predate a number of regional agreements which have been concluded recently, it is important for the user to consider updating the tariff information, via model simulation, in order to obtain an appropriate starting point for further analyses. For example, Argentina and Brazil have now joined MERCOSUR, and established a common external tariff. The same is true between EU_15 and Turkey who have formed a Customs Union. The version 4 data base doesn't take into consideration these agreements.

4.2 Agricultural output subsidies

The estimates of output subsidies to agriculture, reported in table 4.2 are based on producer subsidy equivalent (PSE) calculations performed by the OECD for the year 1995 (see chapter 13.2). These subsidies are quite important in many of the OECD countries, including Japan, Canada, USA, and the European Union. Indeed, in the case of some products, farmers seem to be getting the majority of their revenues from the government, either directly or indirectly.

4.3 Agricultural export subsidies

In the version 4 data base, a different approach was taken compared to version 3 to compute the agricultural export subsidies. In the version 3 data base, agricultural export subsidies were based on information from country submissions to the World Trade Organization on export subsidy expenditures. In version 4, agricultural export subsidies were computed on the basis of price comparisons for exportable between domestic market price and world price. Table 4.3 reports the agricultural export subsidy rates. As can be seen from these data, some of the implied rates are very high. Of course, in many cases the flows are negligible (e.g., paddy rice exports from Japan).

Table 4.1 Average import tariffs, by commodity and importing region

	AUS	NZL	JPN	KOR	IDN	MYS
Paddy rice	1.2	0.0	503.0	25.6	4.6	0.0
Wheat	0.0	0.0	535.1	59.2	0.0	59.2
Cereal grains n.e.c.	0.0	0.0	450.0	195.3	3.8	195.2
Vegetables, fruit, nuts	2.2	0.1	5.9	33.5	14.3	12.9
Oil seeds	0.0	0.0	0.0	7.4	12.0	1.9
Sugar cane, sugar beet	2.0	0.0	142.9	51.7	5.0	51.7
Plant-based fibers	3.3	3.2	42.0	2.0	3.8	2.0
Crops n.e.c.	6.0	0.1	1.1	5.9	9.3	3.5
Cattle, sheep, etc.	0.0	0.0	48.1	4.9	3.2	0.0
Animal prods n.e.c.	0.0	0.0	1.0	4.0	3.1	4.4
Raw milk	0.0	0.0	0.0	0.0	0.0	0.0
Wool, silk-worm cocoons	0.0	0.0	0.0	10.7	5.3	2.1
Forestry	0.0	0.0	0.0	1.5	0.0	23.2
Fishing	0.0	1.4	4.4	12.9	11.4	0.1
Coal	0.0	0.0	0.0	1.0	3.7	4.6
Oil	0.0	0.0	0.7	5.0	2.5	5.0
Gas	4.8	0.0	0.0	2.8	5.2	12.7
Minerals n.e.c.	0.6	0.4	0.0	1.8	3.7	1.7
Cattle, sheep, etc. meat prods	0.0	0.0	48.1	40.3	5.1	96.2
Meat prods n.e.c.	0.3	29.8	61.2	40.3	5.1	96.2
Vegetable oils & fats	0.0	0.0	0.0	4.8	2.8	5.4
Dairy prods	12.8	0.0	350.5	100.9	14.6	100.9
Processed rice	1.2	0.0	503.0	126.8	0.0	126.9
Sugar	3.1	0.0	142.9	4.9	1.6	0.4
Food prods n.e.c.	3.6	3.0	6.8	17.9	8.8	8.0
Beverages, tobacco prods	5.3	5.7	3.7	35.3	36.5	30.9
Textiles	21.5	2.1	3.5	7.1	16.6	17.1
Wearing apparel	6.6	16.5	6.8	8.0	29.9	22.1
Leather prods	19.3	7.9	9.6	5.8	3.8	16.4
Wood prods	7.2	5.2	0.9	6.9	11.7	23.5
Paper prods, publishing	6.5	5.5	0.5	4.1	5.3	6.7
Petroleum, coal prods	0.1	0.8	2.7	4.3	4.2	1.3
Chemical, rubber, plastic prods	7.7	1.5	2.2	7.5	8.0	8.0
Mineral prods n.e.c.	9.8	4.2	1.6	7.4	5.7	12.7
Ferrous metals	7.0	0.8	1.6	6.0	6.2	8.9
Metals n.e.c.	5.6	1.5	0.4	5.0	3.8	7.2
Metal prods	12.6	5.1	1.0	8.0	13.9	13.0
Motor vehicles, parts	15.6	7.7	1.3	8.8	36.2	25.1
Transport equipment n.e.c.	3.5	0.7	2.4	2.7	9.6	3.6
Electronic equipment	4.9	3.0	0.9	8.0	8.4	9.5
Machinery, equipment n.e.c.	9.4	5.2	0.2	8.0	4.1	5.9
Manufactures n.e.c.	11.7	5.9	1.3	7.7	14.2	10.8
Electricity	0.0	0.0	0.0	0.0	0.0	0.0

contd

Table 4.1 Average import tariffs, by commodity and importing region (continued)

	PHL	SGP	THA	VNM	CHN	HKG
Paddy rice	25.0	13.8	25.2	0.0	-35.4	0.0
Wheat	59.2	5.9	59.2	3.3	-12.9	0.0
Cereal grains n.e.c.	195.3	16.1	194.6	9.0	6.0	0.0
Vegetables, fruit, nuts	27.3	19.6	25.8	27.5	36.6	0.0
Oil seeds	0.0	20.8	23.8	7.2	4.3	0.0
Sugar cane, sugar beet	0.0	25.1	37.1	7.0	0.4	0.0
Plant-based fibers	0.0	20.0	16.9	1.7	15.0	0.0
Crops n.e.c.	16.2	15.5	39.3	4.9	24.6	0.0
Cattle, sheep, etc.	0.0	27.0	2.9	0.9	4.5	0.0
Animal prods n.e.c.	27.7	27.0	3.5	4.4	29.6	0.0
Raw milk	0.0	0.0	0.0	0.0	0.0	0.0
Wool, silk-worm cocoons	21.3	28.6	32.0	6.8	16.0	0.0
Forestry	0.0	0.0	1.0	7.0	3.1	0.0
Fishing	15.7	1.4	56.8	6.7	26.2	0.0
Coal	0.0	0.0	1.7	1.2	12.0	0.0
Oil	0.0	0.0	0.0	1.0	1.5	0.0
Gas	0.0	0.0	0.0	1.0	12.2	0.0
Minerals n.e.c.	4.8	0.0	1.6	1.7	3.2	0.0
Cattle, sheep, etc. meat prods	96.0	8.3	96.2	18.7	-32.7	0.0
Meat prods n.e.c.	96.0	8.3	96.2	18.7	-32.7	0.0
Vegetable oils & fats	29.1	24.1	18.6	16.2	18.0	0.0
Dairy prods	100.9	24.5	100.9	44.2	26.7	0.0
Processed rice	127.1	43.9	127.8	81.3	-24.9	0.0
Sugar	0.5	21.3	38.5	30.0	30.3	0.0
Food prods n.e.c.	27.1	18.8	41.4	18.6	23.9	0.0
Beverages, tobacco prods	29.9	24.8	54.5	121.1	122.6	0.0
Textiles	22.8	0.1	25.1	28.4	57.5	0.0
Wearing apparel	30.0	4.6	42.2	46.3	76.1	0.0
Leather prods	19.9	1.0	15.0	17.2	32.4	0.0
Wood prods	28.5	1.2	8.3	8.0	24.0	0.0
Paper prods, publishing	19.6	0.0	12.4	14.3	20.7	0.0
Petroleum, coal prods	9.9	12.3	7.8	30.1	8.0	0.0
Chemical, rubber, plastic prods	26.0	1.3	16.4	4.8	19.7	0.0
Mineral prods n.e.c.	26.6	0.0	15.9	22.0	33.5	0.0
Ferrous metals	16.7	0.0	9.2	2.8	11.0	0.0
Metals n.e.c.	26.4	0.0	9.1	0.5	14.5	0.0
Metal prods	29.0	0.0	22.9	12.6	37.3	0.0
Motor vehicles, parts	16.2	4.0	51.4	32.5	129.2	0.0
Transport equipment n.e.c.	22.7	2.2	7.3	20.0	13.9	0.0
Electronic equipment	15.4	0.0	7.8	6.3	22.2	0.0
Machinery, equipment n.e.c.	26.9	0.0	10.4	4.0	20.6	0.0
Manufactures n.e.c.	28.9	0.1	29.8	13.0	60.0	0.0
Electricity	0.0	0.0	0.0	0.0	1.0	0.0

contd

Table 4.1 Average import tariffs, by commodity and importing region (continued)

	TWN	IND	LKA	RAS	CAN	USA
Paddy rice	41.5	3.5	12.8	12.7	0.0	0.3
Wheat	66.9	-15.5	-15.5	-15.5	0.3	1.8
Cereal grains n.e.c.	194.5	-2.0	-2.0	-2.0	0.2	0.0
Vegetables, fruit, nuts	37.5	24.7	31.5	99.6	0.2	1.3
Oil seeds	0.6	60.0	35.0	59.5	0.0	0.0
Sugar cane, sugar beet	0.0	54.3	0.0	0.0	7.3	63.8
Plant-based fibers	4.5	40.0	15.6	60.0	3.2	0.1
Crops n.e.c.	9.5	51.9	37.2	78.6	0.1	3.6
Cattle, sheep, etc.	3.7	60.0	0.0	53.6	0.0	0.0
Animal prods n.e.c.	0.7	9.8	20.6	68.8	0.0	0.3
Raw milk	0.0	0.0	0.0	0.0	0.0	0.0
Wool, silk-worm cocoons	0.5	20.8	26.6	26.6	0.0	8.4
Forestry	0.0	10.5	10.0	99.6	0.0	0.0
Fishing	17.6	60.0	14.1	60.0	0.0	0.3
Coal	0.0	11.4	10.0	60.0	0.0	0.0
Oil	8.7	0.0	35.0	60.0	8.6	0.2
Gas	7.3	60.0	10.0	60.0	0.0	0.0
Minerals n.e.c.	0.9	4.5	10.1	49.6	0.0	0.1
Cattle, sheep, etc. meat prods	9.8	29.1	4.5	4.5	0.0	0.0
Meat prods n.e.c.	9.8	29.1	4.5	4.5	5.8	1.8
Vegetable oils & fats	7.4	62.3	19.2	60.8	0.0	0.0
Dairy prods	65.5	25.8	18.8	18.8	86.1	51.8
Processed rice	132.1	-10.0	-9.9	-9.9	0.0	0.3
Sugar	26.7	58.8	31.7	100.0	7.3	63.8
Food prods n.e.c.	18.9	60.2	15.3	74.2	4.2	1.9
Beverages, tobacco prods	48.8	205.0	164.0	193.6	6.9	19.0
Textiles	7.4	60.2	28.5	93.1	5.6	7.3
Wearing apparel	12.8	63.2	33.8	99.9	18.0	11.6
Leather prods	5.9	57.5	25.1	99.3	12.0	8.0
Wood prods	3.0	60.4	14.0	95.5	1.0	0.7
Paper prods, publishing	4.7	42.0	17.6	75.5	0.2	0.4
Petroleum, coal prods	8.3	24.1	16.8	60.0	1.3	3.5
Chemical, rubber, plastic prods	5.6	60.7	10.8	78.0	1.5	2.9
Mineral prods n.e.c.	8.3	62.0	13.4	72.9	1.4	5.0
Ferrous metals	6.3	47.8	12.9	99.8	2.2	2.8
Metals n.e.c.	3.4	60.2	13.9	73.8	0.5	0.7
Metal prods	10.0	60.1	21.9	92.1	1.7	2.6
Motor vehicles, parts	27.9	64.9	30.8	99.4	0.8	1.4
Transport equipment n.e.c.	3.9	45.5	11.6	51.3	0.7	1.6
Electronic equipment	3.7	63.3	13.2	77.4	0.4	1.1
Machinery, equipment n.e.c.	6.8	47.6	13.3	72.4	1.1	2.3
Manufactures n.e.c.	7.4	60.8	24.3	96.2	1.3	2.4
Electricity	0.0	0.0	0.0	0.0	0.0	0.0

contd

Table 4.1 Average import tariffs, by commodity and importing region (continued)

	MEX	CAM	VEN	COL	RAP	ARG
Paddy rice	-3.9	10.1	19.7	19.7	19.7	6.3
Wheat	-22.9	-25.0	-25.0	-25.0	-25.0	-25.0
Cereal grains n.e.c.	4.9	-1.0	-1.0	-1.0	-1.0	-1.0
Vegetables, fruit, nuts	10.9	22.2	11.2	10.0	13.9	9.8
Oil seeds	-8.1	11.2	13.9	1.1	10.6	2.3
Sugar cane, sugar beet	-15.5	10.3	7.4	0.0	8.1	18.3
Plant-based fibers	8.2	5.0	10.0	10.0	11.1	6.0
Crops n.e.c.	3.2	10.3	8.8	6.1	8.0	4.5
Cattle, sheep, etc.	-23.1	8.0	7.5	5.5	4.8	2.0
Animal prods n.e.c.	3.3	9.7	8.4	6.6	8.5	2.0
Raw milk	0.0	0.0	0.0	0.0	0.0	0.0
Wool, silk-worm cocoons	0.0	5.2	10.7	10.7	10.7	22.4
Forestry	1.1	11.8	5.0	4.9	13.8	2.0
Fishing	10.9	15.3	10.0	3.7	7.2	10.0
Coal	2.0	9.4	4.8	5.0	6.1	14.0
Oil	0.0	5.6	10.0	10.0	34.5	34.3
Gas	0.4	8.4	5.0	4.6	4.0	10.0
Minerals n.e.c.	3.2	8.1	5.1	4.8	8.7	3.4
Cattle, sheep, etc. meat prods	-23.1	5.5	6.0	6.0	6.0	4.2
Meat prods n.e.c.	-13.9	5.5	6.0	6.0	6.0	4.2
Vegetable oils & fats	-8.1	10.7	19.3	16.9	17.0	10.0
Dairy prods	-1.3	5.4	18.0	18.0	18.0	16.0
Processed rice	-3.9	-17.0	-17.0	-17.0	-17.0	-17.0
Sugar	-15.5	22.7	20.0	2.7	16.3	16.0
Food prods n.e.c.	12.4	17.1	17.3	7.7	15.3	13.4
Beverages, tobacco prods	15.7	23.2	18.4	4.8	19.1	17.2
Textiles	3.5	15.2	13.7	13.5	14.0	17.6
Wearing apparel	2.6	26.4	20.0	19.7	20.4	20.0
Leather prods	6.2	18.0	17.4	12.0	16.1	18.5
Wood prods	1.8	15.9	17.7	13.4	17.9	13.3
Paper prods, publishing	0.8	7.6	9.8	7.7	11.1	9.5
Petroleum, coal prods	0.6	8.4	10.0	4.3	9.9	1.8
Chemical, rubber, plastic prods	2.6	7.8	10.6	6.7	10.3	9.5
Mineral prods n.e.c.	5.0	13.6	13.7	9.9	13.9	13.2
Ferrous metals	4.1	7.4	11.4	7.4	9.2	12.3
Metals n.e.c.	1.5	7.4	10.0	3.2	9.6	8.6
Metal prods	2.7	9.5	14.4	11.8	15.6	16.1
Motor vehicles, parts	3.3	13.5	18.3	18.0	18.1	18.7
Transport equipment n.e.c.	4.6	8.2	10.9	7.4	14.7	13.6
Electronic equipment	4.6	6.7	12.2	5.8	12.3	5.7
Machinery, equipment n.e.c.	2.8	5.9	11.6	8.3	11.3	7.9
Manufactures n.e.c.	7.7	16.3	18.0	16.2	18.6	18.0
Electricity	0.0	0.0	0.0	0.0	0.0	0.0

contd

Table 4.1 Average import tariffs, by commodity and importing region (continued)

	BRA	CHL	URY	RSM	GBR	DEU
Paddy rice	-29.7	10.2	19.7	19.7	128.2	66.9
Wheat	12.2	-25.0	-25.0	-25.0	3.1	1.5
Cereal grains n.e.c.	-15.0	-1.0	-1.0	-1.0	5.8	4.6
Vegetables, fruit, nuts	7.8	2.4	16.0	10.0	2.5	1.5
Oil seeds	8.0	10.5	0.0	6.2	0.0	0.0
Sugar cane, sugar beet	-15.7	0.0	0.0	4.3	75.9	62.3
Plant-based fibers	8.0	10.8	0.0	6.0	37.9	43.0
Crops n.e.c.	9.1	9.8	4.4	4.4	1.4	1.2
Cattle, sheep, etc.	12.6	10.9	0.0	0.8	53.5	32.6
Animal prods n.e.c.	2.8	10.2	4.9	10.0	0.3	0.4
Raw milk	0.0	0.0	0.0	0.0	0.0	0.0
Wool, silk-worm cocoons	27.0	21.3	10.7	10.7	0.0	0.0
Forestry	14.7	11.0	0.0	4.4	0.0	0.0
Fishing	10.0	9.9	0.0	3.0	4.0	1.4
Coal	0.0	10.9	0.0	6.5	0.4	0.2
Oil	20.0	8.7	0.0	10.2	0.0	0.0
Gas	11.4	5.0	0.0	1.2	0.0	0.0
Minerals n.e.c.	0.4	8.4	0.0	3.8	0.0	0.0
Cattle, sheep, etc. meat prods	19.8	7.1	6.0	6.0	64.4	39.7
Meat prods n.e.c.	19.8	7.1	6.0	6.0	1.1	2.8
Vegetable oils & fats	7.3	10.4	13.5	10.0	0.0	0.0
Dairy prods	-21.0	18.2	18.0	18.0	20.5	4.5
Processed rice	-26.1	-17.0	-17.0	-17.0	19.5	19.8
Sugar	5.8	10.9	16.8	5.0	61.9	17.4
Food prods n.e.c.	8.6	9.6	14.0	17.0	2.8	2.2
Beverages, tobacco prods	11.9	10.8	5.1	20.0	3.6	2.3
Textiles	12.3	10.1	19.1	13.7	2.3	1.8
Wearing apparel	19.8	10.4	27.7	16.0	7.2	6.7
Leather prods	13.5	10.8	0.7	19.9	2.8	2.7
Wood prods	7.5	10.9	15.4	17.5	0.9	0.9
Paper prods, publishing	3.1	9.6	16.4	8.6	0.7	0.5
Petroleum, coal prods	17.7	9.5	0.0	0.0	0.5	0.2
Chemical, rubber, plastic prods	8.9	9.9	6.7	10.5	1.0	0.9
Mineral prods n.e.c.	9.8	10.1	18.1	13.1	1.3	1.3
Ferrous metals	11.0	10.1	10.1	8.9	0.7	0.8
Metals n.e.c.	6.2	9.3	8.4	9.6	0.8	0.7
Metal prods	15.0	10.2	11.3	13.0	1.5	1.6
Motor vehicles, parts	28.2	10.7	5.8	18.4	1.3	1.7
Transport equipment n.e.c.	14.6	9.5	3.5	8.3	0.7	0.9
Electronic equipment	22.7	10.8	0.7	9.7	2.6	2.6
Machinery, equipment n.e.c.	18.4	10.4	2.2	9.0	1.5	1.4
Manufactures n.e.c.	16.5	10.2	2.2	12.7	3.0	2.7
Electricity	0.0	0.0	0.0	0.0	0.0	0.0

contd

Table 4.1 Average import tariffs, by commodity and importing region (continued)

	DNK	SWE	FIN	REU	EFT	CEA
Paddy rice	34.1	111.7	2.3	79.7	0.0	0.0
Wheat	0.1	0.4	0.5	1.8	235.1	-17.9
Cereal grains n.e.c.	2.9	12.9	19.9	11.8	160.4	-15.3
Vegetables, fruit, nuts	0.8	1.7	2.0	2.1	67.4	11.1
Oil seeds	0.0	0.0	0.0	0.0	501.0	3.8
Sugar cane, sugar beet	27.9	76.0	76.5	68.9	277.0	29.1
Plant-based fibers	45.5	33.9	43.5	39.6	68.0	11.8
Crops n.e.c.	1.2	1.2	1.4	1.4	49.8	7.8
Cattle, sheep, etc.	16.3	97.3	75.8	15.2	205.1	2.3
Animal prods n.e.c.	0.3	0.2	0.1	0.2	24.9	8.8
Raw milk	0.0	0.0	0.0	0.0	0.0	0.0
Wool, silk-worm cocoons	0.0	0.0	0.0	0.0	50.9	0.0
Forestry	0.0	0.0	0.0	0.0	0.2	3.2
Fishing	1.8	1.4	2.3	2.7	0.3	7.3
Coal	0.4	0.3	0.3	0.4	0.2	2.1
Oil	0.0	0.0	0.0	0.0	0.7	1.3
Gas	0.0	0.0	0.0	0.0	0.3	1.3
Minerals n.e.c.	0.0	0.0	0.0	0.0	0.0	0.9
Cattle, sheep, etc. meat prods	8.8	43.6	16.9	18.7	205.1	2.3
Meat prods n.e.c.	1.4	3.1	1.0	2.1	187.3	33.8
Vegetable oils & fats	0.0	0.0	0.0	0.0	501.0	3.8
Dairy prods	13.8	4.7	4.6	3.8	265.1	20.5
Processed rice	4.7	64.6	48.0	49.2	0.0	0.0
Sugar	19.1	23.0	53.2	15.4	277.0	29.1
Food prods n.e.c.	4.6	2.2	2.0	2.7	2.8	14.6
Beverages, tobacco prods	1.8	2.7	6.9	1.0	4.1	36.6
Textiles	1.2	1.1	1.1	1.6	1.5	8.5
Wearing apparel	6.4	4.7	5.9	5.0	4.5	9.4
Leather prods	2.3	2.0	3.1	2.6	2.9	8.6
Wood prods	0.5	0.5	0.7	0.6	0.4	6.7
Paper prods, publishing	0.2	0.3	0.5	0.5	0.1	5.8
Petroleum, coal prods	0.3	0.1	0.4	0.5	0.2	7.0
Chemical, rubber, plastic prods	0.5	0.4	0.9	0.8	0.4	8.1
Mineral prods n.e.c.	0.7	0.7	0.9	0.8	0.4	9.4
Ferrous metals	0.2	0.3	0.9	0.6	0.3	4.2
Metals n.e.c.	0.1	0.5	0.8	0.6	0.4	4.8
Metal prods	0.6	0.7	1.3	0.7	0.4	8.8
Motor vehicles, parts	1.4	1.1	1.5	1.0	0.5	13.8
Transport equipment n.e.c.	0.7	0.6	0.7	0.7	0.8	11.0
Electronic equipment	1.2	1.0	2.1	2.0	1.2	7.9
Machinery, equipment n.e.c.	0.5	0.7	0.9	0.9	0.4	6.1
Manufactures n.e.c.	1.9	1.6	2.0	2.3	0.6	12.1
Electricity	0.0	0.0	0.1	0.0	0.0	0.0

contd

Table 4.1 Average import tariffs, by commodity and importing region (continued)

	FSU	TUR	RME	MAR	RNF	SAF
Paddy rice	-0.0	0.0	-21.2	-21.2	-21.2	35.4
Wheat	-7.0	-13.3	4.8	4.8	4.8	20.6
Cereal grains n.e.c.	1.2	-0.2	10.2	10.2	10.2	-7.5
Vegetables, fruit, nuts	8.0	16.3	12.0	18.3	16.3	9.3
Oil seeds	5.0	37.8	12.0	5.0	6.3	4.0
Sugar cane, sugar beet	0.0	22.4	12.0	0.0	25.1	20.0
Plant-based fibers	12.6	1.6	12.0	2.5	10.3	0.0
Crops n.e.c.	1.0	7.7	12.0	20.1	27.1	0.9
Cattle, sheep, etc.	0.6	60.1	12.0	2.5	5.4	0.0
Animal prods n.e.c.	7.4	64.6	12.0	6.0	16.4	0.1
Raw milk	0.0	0.0	0.0	0.0	0.0	0.0
Wool, silk-worm cocoons	-0.0	0.0	18.1	18.1	18.1	-0.0
Forestry	17.9	1.9	12.0	11.6	9.4	0.0
Fishing	9.9	9.7	12.0	22.9	12.2	1.7
Coal	5.0	2.8	12.0	2.1	5.6	0.0
Oil	5.0	10.0	6.9	2.3	0.0	0.0
Gas	5.0	0.0	12.0	17.4	0.3	6.7
Minerals n.e.c.	15.7	2.9	12.0	3.4	14.2	0.5
Cattle, sheep, etc. meat prods	12.6	60.1	10.1	10.1	10.1	33.4
Meat prods n.e.c.	12.6	64.6	10.1	10.1	10.1	33.4
Vegetable oils & fats	11.6	37.8	12.0	13.8	9.6	3.1
Dairy prods	-2.0	63.0	23.0	23.0	23.0	7.3
Processed rice	-4.4	0.0	37.2	37.2	37.2	0.0
Sugar	4.8	22.4	12.0	9.8	11.9	0.0
Food prods n.e.c.	11.4	9.5	12.0	25.3	16.6	6.6
Beverages, tobacco prods	20.0	48.9	30.0	18.9	289.3	22.1
Textiles	13.1	7.6	12.0	27.8	20.1	12.7
Wearing apparel	16.9	9.6	12.0	39.3	53.3	20.9
Leather prods	18.3	7.2	12.0	24.3	38.9	27.0
Wood prods	17.1	9.1	12.0	12.9	22.4	7.5
Paper prods, publishing	5.7	5.1	12.0	20.6	17.5	5.0
Petroleum, coal prods	5.3	15.7	12.0	19.3	16.3	2.6
Chemical, rubber, plastic prods	10.3	6.0	9.1	17.4	14.4	3.8
Mineral prods n.e.c.	16.3	5.4	12.0	26.8	25.9	9.5
Ferrous metals	12.7	3.4	12.0	5.8	16.3	5.5
Metals n.e.c.	10.3	4.4	12.0	9.8	19.0	2.1
Metal prods	15.2	13.2	12.0	25.6	30.9	9.0
Motor vehicles, parts	13.2	7.7	12.0	23.9	34.4	25.9
Transport equipment n.e.c.	13.9	7.1	12.0	18.1	18.9	2.6
Electronic equipment	11.6	5.9	12.0	15.5	16.7	1.7
Machinery, equipment n.e.c.	7.7	4.7	12.0	19.3	16.1	3.8
Manufactures n.e.c.	18.2	11.6	12.0	34.0	24.0	7.5
Electricity	3.8	0.0	0.2	0.0	0.0	0.0

contd

Table 4.1 Average import tariffs, by commodity and importing region (continued)

	RSA	RSS	ROW
Paddy rice	35.4	35.4	25.5
Wheat	20.6	20.6	3.3
Cereal grains n.e.c.	-7.5	-7.5	9.0
Vegetables, fruit, nuts	10.1	22.1	26.1
Oil seeds	12.4	12.0	27.6
Sugar cane, sugar beet	13.0	14.3	36.0
Plant-based fibers	10.8	11.1	23.7
Crops n.e.c.	10.8	20.6	31.2
Cattle, sheep, etc.	4.2	14.0	36.7
Animal prods n.e.c.	8.2	14.3	37.7
Raw milk	0.0	0.0	0.0
Wool, silk-worm cocoons	-0.0	-0.0	6.8
Forestry	12.4	15.4	17.9
Fishing	9.0	12.0	22.6
Coal	0.3	7.4	58.5
Oil	13.3	12.1	20.0
Gas	5.3	13.7	15.0
Minerals n.e.c.	4.5	18.1	16.8
Cattle, sheep, etc. meat prods	33.4	33.4	18.7
Meat prods n.e.c.	33.4	33.4	18.7
Vegetable oils & fats	12.7	16.0	43.8
Dairy prods	7.3	7.3	44.2
Processed rice	0.0	0.0	81.3
Sugar	11.4	10.2	43.4
Food prods n.e.c.	12.3	18.3	42.0
Beverages, tobacco prods	-3.4	17.7	177.8
Textiles	18.1	32.1	80.9
Wearing apparel	19.0	37.2	55.7
Leather prods	15.2	30.1	102.2
Wood prods	13.6	30.7	49.0
Paper prods, publishing	9.5	17.4	37.1
Petroleum, coal prods	7.4	14.1	32.3
Chemical, rubber, plastic prods	6.3	15.1	28.9
Mineral prods n.e.c.	11.0	21.1	40.1
Ferrous metals	7.5	14.9	21.2
Metals n.e.c.	14.1	24.4	16.2
Metal prods	10.8	22.6	47.3
Motor vehicles, parts	9.6	21.2	31.7
Transport equipment n.e.c.	7.6	15.5	31.1
Electronic equipment	5.6	21.7	24.2
Machinery, equipment n.e.c.	4.9	15.5	24.6
Manufactures n.e.c.	15.8	27.4	50.2
Electricity	1.0	0.9	0.7

Table 4.2 Output subsidies for agriculture and food production (per cent market value)

	AUS	NZL	JPN	KOR	IDN	MYS
Paddy rice	4.9	0.0	18.6	-0.4	0.0	0.0
Wheat	7.7	1.1	24.3	-0.2	0.0	21.0
Cereal grains n.e.c.	5.5	1.1	24.8	-0.1	0.0	11.5
Vegetables, fruit, nuts	-0.4	-1.3	-2.4	-0.2	-0.0	-1.4
Oil seeds	4.7	-2.5	41.8	-0.2	0.0	-0.2
Sugar cane, sugar beet	7.3	0.0	15.3	-0.6	0.0	-1.1
Plant-based fibers	-0.3	-2.5	-1.8	-0.2	-0.0	-0.4
Crops n.e.c.	-0.5	-2.5	-2.4	-0.2	0.0	-7.1
Cattle, sheep, etc.	6.7	2.1	15.3	-0.1	0.0	-0.0
Animal prods n.e.c.	4.8	42.7	2.7	-0.1	-0.0	-0.9
Raw milk	0.5	1.5	14.3	-0.1	0.0	0.0
Wool, silk-worm cocoons	7.1	1.5	0.0	-0.1	-0.0	0.0
	PHL	SGP	THA	VNM	CHN	HKG
Paddy rice	-2.1	-0.0	0.3	-0.2	-2.1	0.0
Wheat	-2.1	-0.0	44.7	0.0	-2.1	0.0
Cereal grains n.e.c.	-1.9	-0.0	13.8	-4.2	-2.0	-0.0
Vegetables, fruit, nuts	-2.4	-1.8	-0.0	-0.5	-3.3	0.0
Oil seeds	-2.2	-1.8	-0.1	-6.1	-7.4	0.0
Sugar cane, sugar beet	-2.4	-1.7	-0.1	-0.0	21.7	0.0
Plant-based fibers	-2.4	-1.4	-1.2	-1.6	-3.2	0.0
Crops n.e.c.	-2.4	-1.8	-0.5	-8.8	-3.8	-0.0
Cattle, sheep, etc.	-1.8	-2.1	-0.1	-0.0	-1.8	-0.0
Animal prods n.e.c.	-1.8	-2.1	-0.1	-1.2	-2.0	0.0
Raw milk	-1.7	-2.0	-0.1	-0.0	-1.7	0.0
Wool, silk-worm cocoons	-0.6	-0.2	0.0	-18.3	-1.7	0.0
	TWN	IND	LKA	RAS	CAN	USA
Paddy rice	-0.0	3.7	0.0	3.7	0.0	40.4
Wheat	0.1	5.2	2.0	5.3	21.8	18.5
Cereal grains n.e.c.	1.1	1.7	1.9	1.7	11.5	8.5
Vegetables, fruit, nuts	-0.2	0.6	0.1	0.6	-7.9	-0.3
Oil seeds	-0.1	2.7	1.5	2.7	14.1	7.6
Sugar cane, sugar beet	-0.4	2.7	2.0	2.7	9.3	8.5
Plant-based fibers	-0.1	2.7	1.5	2.6	-0.7	-0.8
Crops n.e.c.	-0.1	2.6	2.2	2.7	-7.7	-0.3
Cattle, sheep, etc.	-2.1	-0.4	2.0	-0.4	14.8	4.9
Animal prods n.e.c.	-1.1	-0.4	2.0	-0.4	15.1	4.4
Raw milk	-2.4	-0.4	2.0	-0.4	11.9	4.0
Wool, silk-worm cocoons	0.0	-0.4	2.0	-0.4	-0.0	66.8

contd

Table 4.2 Output subsidies for agriculture and food production (per cent market value)
(continued)

	MEX	CAM	VEN	COL	RAP	ARG
Paddy rice	21.2	0.0	0.0	-0.3	-0.4	0.0
Wheat	18.1	-0.4	-0.1	-0.3	-0.1	-9.2
Cereal grains n.e.c.	23.9	-0.0	-0.0	-0.3	-0.3	-0.3
Vegetables, fruit, nuts	0.4	-0.0	0.0	-0.3	-0.0	-0.0
Oil seeds	25.3	-0.0	0.0	-0.3	-0.0	0.0
Sugar cane, sugar beet	5.0	0.0	0.0	-0.3	-0.4	-0.0
Plant-based fibers	0.4	0.0	0.0	-0.3	-0.1	-0.0
Crops n.e.c.	0.4	0.0	0.0	-0.3	-0.1	0.0
Cattle, sheep, etc.	3.0	0.0	-0.0	-0.3	-0.3	0.0
Animal prods n.e.c.	5.0	0.0	0.0	-0.3	-0.3	-0.0
Raw milk	5.4	0.0	-0.0	-0.3	-0.4	-0.0
Wool, silk-worm cocoons	-0.0	0.0	0.0	-0.3	-0.4	-0.0
	BRA	CHL	URY	RSM	GBR	DEU
Paddy rice	0.8	-3.3	-0.5	21.5	18.8	4.0
Wheat	0.8	-3.1	-2.3	-1.6	59.0	59.9
Cereal grains n.e.c.	0.8	-3.0	-1.0	-1.2	58.8	60.8
Vegetables, fruit, nuts	0.6	-2.6	-1.1	-0.2	0.0	4.9
Oil seeds	-1.3	-2.7	2.1	7.6	109.5	109.5
Sugar cane, sugar beet	0.4	-2.6	-1.7	-1.7	-0.9	-1.9
Plant-based fibers	-0.4	-3.2	0.0	0.0	-0.0	4.9
Crops n.e.c.	-2.6	-2.5	-1.2	-1.0	0.0	4.9
Cattle, sheep, etc.	0.8	-0.6	-3.3	-3.1	24.5	27.3
Animal prods n.e.c.	0.6	-0.6	-2.2	-2.2	9.6	9.2
Raw milk	0.8	-0.6	-1.9	-1.8	8.9	8.9
Wool, silk-worm cocoons	0.0	-0.5	-2.2	-2.2	27.7	4.9
	DNK	SWE	FIN	REU	EFT	CEA
Paddy rice	17.2	8.2	3.8	4.5	4.8	0.1
Wheat	62.5	60.3	58.9	60.4	9.6	0.9
Cereal grains n.e.c.	55.7	57.2	59.1	55.3	50.2	3.8
Vegetables, fruit, nuts	2.2	-0.1	33.4	-0.1	3.6	0.4
Oil seeds	109.5	109.5	109.5	109.5	56.2	6.9
Sugar cane, sugar beet	-2.1	-2.4	-2.6	-1.4	22.7	4.6
Plant-based fibers	0.0	-0.9	26.7	0.0	4.6	0.4
Crops n.e.c.	16.6	-0.2	24.3	1.1	21.2	0.4
Cattle, sheep, etc.	24.1	23.3	22.1	24.4	55.1	6.4
Animal prods n.e.c.	10.3	9.2	11.5	9.4	26.7	6.1
Raw milk	8.9	8.9	8.9	8.9	46.9	5.9
Wool, silk-worm cocoons	2.0	-0.2	30.4	28.9	41.7	0.9

contd

Table 4.2 Output subsidies for agriculture and food production (per cent market value)
(continued)

	FSU	TUR	RME	MAR	RNF	SAF
Paddy rice	-1.5	1.0	-1.1	-0.0	-5.9	17.4
Wheat	-0.1	12.1	-0.1	0.0	0.0	0.7
Cereal grains n.e.c.	-0.4	7.8	0.3	0.0	0.0	-2.8
Vegetables, fruit, nuts	-0.4	1.0	-0.4	-0.4	-0.1	0.3
Oil seeds	-0.9	7.9	-0.1	-0.0	-0.0	0.8
Sugar cane, sugar beet	-0.4	10.7	-0.5	-0.0	-0.0	1.4
Plant-based fibers	-1.9	1.0	-0.6	-0.5	-8.1	1.1
Crops n.e.c.	-0.7	1.0	-0.5	-0.2	-0.1	0.7
Cattle, sheep, etc.	-0.3	16.3	-2.3	-0.0	-0.0	0.7
Animal prods n.e.c.	-0.3	6.5	-0.6	-0.0	-0.1	0.9
Raw milk	-0.3	13.4	-1.6	0.0	0.0	0.7
Wool, silk-worm cocoons	-0.9	-0.0	-2.3	0.0	-0.0	0.7
	RSA	RSS	RWO			
Paddy rice	0.9	1.2	-0.1			
Wheat	3.5	4.6	0.1			
Cereal grains n.e.c.	-1.9	0.5	-0.1			
Vegetables, fruit, nuts	-4.0	-1.2	-0.1			
Oil seeds	1.5	2.0	0.1			
Sugar cane, sugar beet	1.0	1.1	0.0			
Plant-based fibers	-0.6	0.8	0.3			
Crops n.e.c.	-7.9	-5.7	0.0			
Cattle, sheep, etc.	-2.1	-1.7	-0.2			
Animal prods n.e.c.	-1.9	-1.0	-0.1			
Raw milk	-0.5	-0.4	-0.0			
Wool, silk-worm cocoons	-1.5	-1.2	-0.2			

Table 4.3 Export subsidies for agriculture and food production (per cent market value)

	AUS	NZL	JPN	KOR	IDN	MYS
Paddy rice	1.2	0.0	503.0	76.9	14.1	76.9
Wheat	0.0	0.0	535.1	59.1	0.0	59.2
Cereal grains n.e.c.	0.0	0.0	450.0	195.3	3.6	195.3
Vegetables, fruit, nuts	-0.1	-0.0	0.0	-0.0	0.0	-12.1
Oil seeds	0.0	0.0	0.0	-0.0	0.0	-12.1
Sugar cane, sugar beet	4.0	0.0	142.9	-0.7	0.0	-11.8
Plant-based fibers	-0.0	0.0	-0.1	0.0	0.0	-9.1
Crops n.e.c.	-0.7	0.0	0.0	-0.0	0.0	-12.1
Cattle, sheep, etc.	0.0	0.0	48.1	0.0	0.0	-9.1
Animal prods n.e.c.	0.3	43.4	61.2	-0.0	0.0	-9.3
Raw milk	0.0	0.0	0.0	0.0	0.0	0.0
Wool, silk-worm cocoons	0.0	0.0	0.0	0.0	0.0	0.0
	PHL	SGP	THA	VNM	CHN	HKG
Paddy rice	76.9	-0.4	76.9	-13.9	-25.7	0.0
Wheat	0.0	-0.4	59.2	0.0	-12.9	0.0
Cereal grains n.e.c.	195.3	-0.3	195.3	-9.0	6.0	0.0
Vegetables, fruit, nuts	0.0	0.0	0.0	-14.4	-8.1	-0.0
Oil seeds	0.0	-0.0	0.0	-9.3	-33.6	0.0
Sugar cane, sugar beet	0.0	-0.3	0.0	-0.5	620.4	0.0
Plant-based fibers	0.0	-0.2	0.0	-7.8	-1.9	0.0
Crops n.e.c.	0.0	0.0	0.0	-13.5	-6.8	-0.0
Cattle, sheep, etc.	0.0	-0.0	0.0	0.0	-11.4	0.0
Animal prods n.e.c.	0.0	0.0	0.0	-18.5	-10.5	-0.0
Raw milk	0.0	0.0	0.0	0.0	0.0	0.0
Wool, silk-worm cocoons	0.0	-0.3	0.0	-19.8	0.0	0.0
	TWN	IND	LKA	RAS	CAN	USA
Paddy rice	127.2	8.6	8.6	8.6	0.0	0.3
Wheat	66.9	-15.5	0.0	0.0	0.3	1.8
Cereal grains n.e.c.	194.5	-2.0	-2.0	-2.0	0.2	0.0
Vegetables, fruit, nuts	0.0	0.0	0.0	0.0	-0.0	-1.6
Oil seeds	0.0	-0.6	-0.9	-0.6	0.0	0.0
Sugar cane, sugar beet	0.0	-0.6	-0.1	-0.6	7.3	63.8
Plant-based fibers	0.0	-0.6	-0.7	-0.6	-1.0	-2.1
Crops n.e.c.	0.0	-0.6	0.3	-0.6	0.1	-1.9
Cattle, sheep, etc.	0.0	-0.6	0.0	-0.6	0.0	0.0
Animal prods n.e.c.	0.0	-0.6	2.9	-0.6	5.8	1.8
Raw milk	0.0	0.0	0.0	0.0	0.0	0.0
Wool, silk-worm cocoons	0.0	0.0	0.0	0.0	0.0	8.4

contd

Table 4.3 Export subsidies for agriculture and food production (per cent market value)
(continued)

	MEX	CAM	VEN	COL	RAP	ARG
Paddy rice	-3.9	0.0	61.2	61.2	61.2	0.0
Wheat	-22.9	-25.0	-25.0	0.0	-25.0	-25.0
Cereal grains n.e.c.	4.9	-1.0	-1.0	-1.0	-1.0	-1.0
Vegetables, fruit, nuts	0.0	0.0	0.0	0.0	0.5	0.0
Oil seeds	-8.1	0.0	0.0	0.0	0.9	-0.0
Sugar cane, sugar beet	-15.5	0.0	0.0	0.0	0.0	0.0
Plant-based fibers	-0.0	0.0	0.0	0.0	0.9	0.0
Crops n.e.c.	0.0	0.0	0.0	0.0	1.1	0.0
Cattle, sheep, etc.	-23.1	0.0	0.0	0.0	0.9	-0.0
Animal prods n.e.c.	-13.9	0.0	0.0	0.0	1.8	0.0
Raw milk	0.0	0.0	0.0	0.0	0.0	0.0
Wool, silk-worm cocoons	0.0	0.0	0.0	0.0	0.0	0.0
	BRA	CHL	URY	RSM	GBR	DEU
Paddy rice	-21.4	0.0	61.2	61.2	128.4	22.9
Wheat	12.2	-25.0	-25.0	-25.0	2.8	4.1
Cereal grains n.e.c.	-15.0	-1.0	-1.0	-1.0	13.0	19.7
Vegetables, fruit, nuts	-16.7	-0.0	9.4	9.2	0.0	0.0
Oil seeds	-16.6	-0.9	9.5	9.5	0.0	0.0
Sugar cane, sugar beet	-3.5	-4.4	0.0	0.0	73.4	71.1
Plant-based fibers	-16.8	-4.3	0.0	0.0	0.0	-0.3
Crops n.e.c.	-16.7	0.0	0.0	0.0	0.0	-0.1
Cattle, sheep, etc.	-15.8	-0.0	-9.0	-9.0	47.6	44.0
Animal prods n.e.c.	-15.8	-0.0	-8.7	-8.6	7.0	6.0
Raw milk	0.0	0.0	0.0	0.0	0.0	0.0
Wool, silk-worm cocoons	0.0	0.0	0.0	0.0	0.0	0.0
	DNK	SWE	FIN	REU	EFT	CEA
Paddy rice	107.1	118.4	128.7	5.2	0.0	0.0
Wheat	8.7	7.2	9.6	4.2	235.1	-17.9
Cereal grains n.e.c.	5.9	17.3	33.1	5.4	160.4	-15.3
Vegetables, fruit, nuts	0.0	3.9	-0.0	-0.1	0.2	0.0
Oil seeds	0.0	0.0	0.0	0.0	501.0	3.8
Sugar cane, sugar beet	47.1	75.8	76.6	54.3	277.0	29.1
Plant-based fibers	0.0	-2.0	-5.8	0.0	-0.8	-0.0
Crops n.e.c.	15.1	0.0	-0.0	-0.3	48.2	0.0
Cattle, sheep, etc.	69.1	89.3	93.3	16.0	205.1	2.3
Animal prods n.e.c.	8.4	6.2	13.2	3.2	187.3	33.8
Raw milk	0.0	0.0	0.0	0.0	0.0	0.0
Wool, silk-worm cocoons	0.0	0.0	0.0	0.0	50.9	0.0

contd

Table 4.3 Export subsidies for agriculture and food production (per cent market value)
(continued)

	FSU	TUR	RME	MAR	RNF	SAF
Paddy rice	0.0	0.0	-14.9	-14.8	-14.9	109.1
Wheat	-7.0	-13.3	4.8	4.8	4.8	20.6
Cereal grains n.e.c.	1.2	-0.2	9.6	9.6	9.6	-7.5
Vegetables, fruit, nuts	-1.8	0.0	0.9	-1.7	-1.7	-1.4
Oil seeds	-1.8	37.8	6.0	-0.9	-0.9	0.2
Sugar cane, sugar beet	-1.1	22.4	0.7	-3.5	-3.5	3.3
Plant-based fibers	-1.9	0.1	-0.6	-58.2	-58.2	1.3
Crops n.e.c.	-1.8	-0.1	-0.4	-0.4	-0.4	-0.1
Cattle, sheep, etc.	-0.0	60.1	-5.3	-6.6	-6.6	5.2
Animal prods n.e.c.	-0.0	64.6	-3.2	-4.6	-4.6	5.2
Raw milk	0.0	0.0	0.0	0.0	0.0	0.0
Wool, silk-worm cocoons	0.0	0.0	0.0	0.0	0.0	0.0
	RSA	RSS	RWO			
Paddy rice	109.1	109.1	-0.7			
Wheat	20.6	20.6	-0.0			
Cereal grains n.e.c.	-7.5	-7.5	0.0			
Vegetables, fruit, nuts	-13.7	-13.7	-0.0			
Oil seeds	-5.8	-6.5	-0.0			
Sugar cane, sugar beet	-0.6	-0.6	0.1			
Plant-based fibers	-2.1	-2.4	-0.2			
Crops n.e.c.	-10.8	-11.6	0.0			
Cattle, sheep, etc.	-18.0	-18.2	0.1			
Animal prods n.e.c.	-15.7	-17.5	0.7			
Raw milk	0.0	0.0	0.0			
Wool, silk-worm cocoons	0.0	0.0	-0.0			