

## **STATE OF FOOD AND AGRICULTURE IN THE OIC COUNTRIES**

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In most OIC countries, agriculture is conducted primarily as a necessity of life and involves a larger portion of the population solely in food production activities. However, in some OIC countries, agricultural industry as well as related sectors such as storage, marketing, transportation and research on food products are growing. In this context, this paper aims to shed light on the problems these countries face in the field of food and agriculture. It first examines the natural constraints in land and water usage and the state of population growth in the OIC countries. It then analyses the recent situation in the areas of food and agricultural production and trade. Finally, the paper takes a look at food consumption and the prevalence of undernourishment in the OIC countries.

### **1. INTRODUCTION**

Agriculture has given rise to civilisation and society has been dependent upon agriculture throughout history. Today, agriculture is still the leading source of employment in many countries around the world, including the OIC countries. In most OIC countries, agriculture is conducted primarily as a necessity of life and involves a larger portion of the population solely in food production activities. However, in the more developed OIC countries, agricultural industry as well as related sectors such as storage, marketing, transportation and research on food products are growing.

It is widely accepted that establishing effective production and distribution systems for the food products is necessary for societies to expand and thrive. However, individual country data shows that not all countries can produce enough food for their people. A limited natural resource base, along with rapid population growth rate, have made it hard to reach and sustain self-sufficiency in many countries, particularly the poor ones. As a result, many countries both in the OIC and in the developing world continue to be net importers of food and agricultural commodities.

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This paper evaluates the problems the OIC countries face in the field of food and agriculture. It first examines the natural constraints in land and water usage and the state of population growth in those countries. It then analyses the recent situation in the areas of food and agricultural production and trade. Finally, the paper takes a look at food consumption and the prevalence of undernourishment in the OIC countries.

To be able to examine the situation of food and agriculture in the OIC countries, the countries are divided into four groups. The first includes the least developed member countries of the OIC, which will be referred to hereafter as the OIC-LDC group. It is made up of those members of the OIC which are designated as least developed by the United Nations, namely Afghanistan, Bangladesh, Benin, Burkina Faso, Chad, Comoros, Djibouti, Gambia, Guinea, Guinea-Bissau, Maldives, Mali, Mauritania, Mozambique, Niger, Sierra Leone, Somalia, Sudan, Togo, Uganda and Yemen.

The second group includes generally the middle-income OIC countries (OIC-MIC). These are Cameroon, Egypt, Guyana, Indonesia, Ivory Coast, Jordan, Lebanon, Malaysia, Morocco, Pakistan, Palestine, Senegal, Surinam, Syria, Tunisia, and Turkey.

The third comprises the oil-exporting members of the OIC (OIC-OEC). These are Algeria, Bahrain, Brunei, Gabon, Iran, Iraq, Kuwait, Libya, Nigeria, Oman, Qatar, Saudi Arabia, and the United Arab Emirates.

The last group comprises the member countries in transition (OIC-TC). These are Albania, Azerbaijan, Kazakhstan, Kyrgyz Republic, Tajikistan, Turkmenistan, and Uzbekistan.

## **2. LAND USE**

In many countries around the world, shortages of natural resources make it difficult to meet food needs. "Among the most serious constraints to achieving sustainable agriculture and food security in the face of population growth are shortages of arable land, degradation of land resources, loss of agricultural land due to urbanisation, water shortages and pollution, irrigation problems, collapsing fisheries, disappearing genetic diversity, and climatic change" (Population Information Program, 1997). In the light of these constraints, the use of land and water in

agriculture will be evaluated before examining the state of food security and agriculture in the OIC countries.

Even though it has great economic importance, land is limited in its magnitude. Only a part of it is suitable for cultivation, and that also is quite limited. Furthermore, most uncultivated land is made up of land with poor soils or receiving too little or too much rainfall. Therefore, efforts toward converting such lands to productive lots require costly measures.

FAO states that without great investments or improvements in technology, food production will have to come from land that is already being cultivated. However, an estimated 5 million to 7 million hectares of farming land is lost each year due to land degradation and urbanisation. As a result, it is possible that arable land will come under increasing pressure and agricultural yields will fall in the near future (FAO, 1995).

Table A.1 in the Annex provides data on the total land area, agricultural land, arable land, land under permanent crops, permanent pastures land, and irrigation land in the member countries of the OIC, as well as the totals of the developed countries, the developing countries and the world.

Table 1 summarises the data given in Table A.1 by showing the shares of the groups of countries mentioned above in the world total; the percentage distribution of agricultural, arable, permanent crop, permanent pasture, and irrigated land to total land area; and the percentage distribution of land within agricultural land area.

The OIC member countries as a whole cover a total land area of 3,166 million hectares, equivalent to 24.3 percent of the total land area of the world. Out of its total land area, they have an agricultural land area of 1,353 million hectares.

The agricultural land area of the OIC countries accounts for 42.8 percent of their total land area, a rate which is higher than that of the developing countries (40.9 percent), the developed countries (34 percent) and the world as a whole (38 percent). However, the OIC countries also have the highest share of permanent pastures in total land area among the groups examined. Therefore, those countries have the lowest share of arable land to total land area among the groups (8.4 percent).

**TABLE 1: LAND USE IN OIC COUNTRIES**

|                           | Land Area    | Agricultural Land | Arable Land  | Permanent Crops L. | Permanent Pasture | Irrigated Land** |
|---------------------------|--------------|-------------------|--------------|--------------------|-------------------|------------------|
| As % of world total       |              |                   |              |                    |                   |                  |
| Developed                 | 41.9         | 37.4              | 45.6         | 18.1               | 34.9              | 24.3             |
| Developing                | 58.1         | 62.6              | 54.4         | 81.9               | 65.1              | 75.7             |
| <b>OIC</b>                | <b>24.3</b>  | <b>27.3</b>       | <b>19.5</b>  | <b>33.0</b>        | <b>30.1</b>       | <b>25.6</b>      |
| World                     | 100.0        | 100.0             | 100.0        | 100.0              | 100.0             | 100.0            |
| As % of land area *       |              |                   |              |                    |                   |                  |
| <b>OIC</b>                | <b>100.0</b> | <b>42.8</b>       | <b>8.4</b>   | <b>1.4</b>         | <b>32.9</b>       | <b>2.2</b>       |
| Developed                 | 100.0        | 34.0              | 11.4         | 0.4                | 22.1              | 1.2              |
| Developing                | 100.0        | 40.9              | 9.8          | 1.4                | 29.7              | 2.7              |
| World                     | 100.0        | 38.0              | 10.5         | 1.0                | 26.5              | 2.1              |
| As % of agricultural land |              |                   |              |                    |                   |                  |
| <b>OIC</b>                | <b>..</b>    | <b>100.0</b>      | <b>19.74</b> | <b>3.23</b>        | <b>77.03</b>      | <b>5.2</b>       |
| Developed                 | ..           | 100.0             | 33.6         | 1.3                | 65.1              | 3.6              |
| Developing                | ..           | 100.0             | 24.0         | 3.5                | 72.5              | 6.7              |
| World                     | ..           | 100.0             | 27.6         | 2.7                | 69.7              | 5.5              |

Source: Table A.1 in the Annex.

\* Land area also includes land not used in agriculture or irrigation such as deserts and forests. For the purpose of this paper, the shares of such land types as a percentage of the total land area have not been included in this table.

\*\* Irrigated land is part of arable land, but is shown as a percentage of land area and agricultural land in the table for comparison purposes.

Notes:

- “Land area” refers to total area excluding area under inland water bodies such as rivers and lakes.
- “Agricultural land” refers to the total of arable land, permanent crops land, and permanent pastures.
- “Arable land” refers to land under temporary crops (double cropped areas counted only once), temporary meadows for mowing or pasture, land under market and kitchen gardens, and land temporarily fallow (less than five years).
- “Permanent crops” refers to land cultivated with crops that occupy land for long periods and need not be replanted after each harvest, such as cocoa, coffee, and rubber. It includes land under shrubs, fruit trees, nut trees and vines, but excludes land under trees grown for wood or timber.
- “Permanent pasture” refers to land used permanently for herbaceous forage crops, either cultivated or growing wild.
- “Irrigated land” refers to areas purposely provided with water, including land irrigated by controlled flooding.

As shown in Table A.1, among the sub-groups of OIC countries, the OIC-TC group has the highest level in its share of agricultural land in total land (72.7 percent), but the lowest level in terms of its share of arable land in agricultural land (13.8 percent). The OIC-MIC group has much higher levels compared to the other groups in both arable land to agricultural land and permanent crops to agricultural land with 45.7 percent and 15.8 percent respectively. The OIC-MIC group also holds the greatest irrigation area within the OIC with 34.3 million hectares, which forms almost half of the total irrigation area of the OIC. On the other hand, the OIC-LDC group, which has the largest total land within OIC, has the smallest irrigation land area covering only 9.7 million hectares.

### 3. WATER USE

Along with the shortages of arable land, another concern that develops as population increases is the lack of usable water in the world. Even though the world population shares a watery planet, 97 percent of the Earth's water is salt water. Of the remaining three percent, one percent is located in the North Pole and another one percent in the South Pole. Therefore, all of humanity depends upon one percent of the world's entire water supply for its entire domestic, agricultural, and industrial needs (Population Institute, 2001).

For the purpose of this paper, we are more concerned with the use of water for agricultural purposes. Table A.2 in the Annex provides data on the total and agricultural water withdrawal of the OIC countries. Table 2 summarises these data and compares the withdrawals within the groups of countries in the OIC and the OIC totals with those of the world totals.

The OIC countries had a total water withdrawal (annual quantity of water withdrawn for agricultural, industrial, and domestic purposes) of 734.3 million km<sup>3</sup>, which accounted for 22.7 percent of the world total in 1999. Within the sub-groups of the OIC countries, the highest water withdrawal is observed in the OIC-MIC group, with 363.2 million km<sup>3</sup>, while the lowest is observed in the OIC-LDC group, with 69.9 million km<sup>3</sup>. On an individual country basis, Pakistan is the country with the largest water withdrawal (155.6 million km<sup>3</sup>). This amount is greater than the combined water withdrawal of the OIC-LDC, OIC-OEC and OIC-TC groups and makes up 21.2 percent of the total water withdrawal

of the OIC countries. On the other hand, Djibouti, Guinea-Bissau, Gambia and Maldives are the four OIC countries with the lowest water withdrawal, together withdrawing less than 0.05 million km<sup>3</sup> (see Table A.2 in the Annex).

Total water withdrawal in the OIC countries accounts for 11.6 percent of their internal renewable water resources (IRWR). While this total accounts for less than 8 percent of IRWR in both the OIC-LDC and the OIC-MIC groups, it accounts for 25.6 percent in OIC-OEC and 59.7 percent in OIC-TC. In 21 OIC member countries, total water withdrawal accounts for less than 10 percent of their IRWR.

Although the irrigated land of the OIC countries forms only 5.2 percent of their agricultural land (Table 1), their water withdrawal accounts for 90.4 percent of their total water withdrawal and 29.7 percent of the world's total. Within the OIC, the OIC-MIC group has the highest and the OIC-LDC has the lowest amount of agricultural water withdrawal. On an individual country basis, Pakistan has the highest amount of agricultural water withdrawal in absolute terms, while Afghanistan has the highest ratio of agricultural withdrawal to total withdrawal (99 percent).

**TABLE 2: WATER USE IN AGRICULTURE**

|                  | Total withdrawal<br>(million km <sup>3</sup> ) | Total<br>withdrawal<br>as % of IRWR | Agricultural<br>withdrawal<br>(million km <sup>3</sup> ) | Agricultural<br>withdrawal<br>as % of total<br>withdrawal |
|------------------|--|-------------------------------------|--|---|
| OIC-LDC          | 69.9   | 7.8                                 | 65.4   | 93.6  |
| OIC-MIC          | 363.2  | 7.9                                 | 330.5  | 91.0  |
| OIC-OEC          | 147.0  | 25.6                                | 130.7  | 88.9  |
| OIC-TC           | 154.2  | 59.7                                | 137.3  | 89.0  |
| <b>Total OIC</b> | <b>734.3</b>                                   | <b>11.6</b>                         | <b>664.0</b>   | <b>90.4</b>   |
| % of world       | 22.7   |                                     | 29.7   |   |
| World            | <b>3,240.0</b>                                 | <b>8.1</b>                          | 2,235.6  | 69.0  |

Source: Table A.2 in the Annex.

#### 4. POPULATION IN OIC COUNTRIES

The problem of overpopulation is not a concern that has haunted humanity throughout its existence, but rather a concern that came into being in the last two centuries. "It took all of recorded history until 1830 for the world population to reach one billion; by 1930 we were at two

billion; by 1960, three billion; 1975, four billion; 1986, five billion; and in 1999 we crossed the six billion mark” (Population Institute, 2001).

Nearly 200 years ago, Thomas Robert Malthus observed a fundamental difference between human beings and the land: We increase; it does not. Malthus saw this as a harsh and inevitable natural limit to population growth. The ensuing two centuries, however, failed to support his thesis. In 1970, Green Revolution architect Norman E. Borlaug warned that recent advances in agricultural technology has produced only a “temporary success” that could at best merely buy time over the following 30 years to slow down dramatically the growth of world population (Engleman and LeRoy, 1995).

When Borlaug made this statement, world population growth rate was around 2 percent per annum. As Table 3 shows, this rate fell to 1.36 in the period 1995-2000. Since population growth is still over 2 percent in the OIC countries as a whole (higher than the average of the developing countries), it remains an important limitation to improvements in food and agricultural performance.

**TABLE 3: POPULATION IN OIC COUNTRIES**

|   | Total Population |             |             | Agricultural Population |             |             |
|---|------------------|-------------|-------------|-------------------------|-------------|-------------|
|   | 1990             | 1995        | 2000        | 1990                    | 1995        | 2000        |
| Distribution of population in the world (%)   |                  |             |             |                         |             |             |
| Developed countries                           | 23.9             | 22.8        | 21.7        | 5.5                     | 4.6         | 3.9         |
| Developing countries                          | 76.1             | 77.2        | 78.3        | 94.5                    | 95.4        | 96.1        |
| <b>OIC</b>                                    | <b>19.7</b>      | <b>20.5</b> | <b>21.3</b> | <b>21.0</b>             | <b>21.4</b> | <b>21.7</b> |
| World   | 100.0            | 100.0       | 100.0       | 100.0                   | 100.0       | 100.0       |
| Population Growth (%)                         |                  |             |             |                         |             |             |
|   |                  | 1990-95     | 1995-00     |                         | 1990-95     | 1995-00     |
| <b>OIC</b>                                    | ..               | <b>2.26</b> | <b>2.13</b> | ..                      | <b>0.96</b> | <b>0.70</b> |
| Developed countries                           | ..               | 0.54        | 0.38        | ..                      | -2.81       | -2.98       |
| Developing countries                          | ..               | 1.80        | 1.64        | ..                      | 0.79        | 0.58        |
| World   | ..               | 1.50        | 1.36        | ..                      | 0.61        | 0.42        |
| Share of agricultural population in total (%) |                  |             |             |                         |             |             |
|   |                  |             |             | 1990                    | 1995        | 2000        |
| <b>OIC</b>                                    | ..               | ..          | ..          | <b>49.5</b>             | <b>46.5</b> | <b>43.3</b> |
| Developed countries                           | ..               | ..          | ..          | 10.7                    | 9.0         | 7.6         |
| Developing countries                          | ..               | ..          | ..          | 57.6                    | 54.8        | 52.0        |
| World   | ..               | ..          | ..          | 46.4                    | 44.4        | 42.4        |

Source: Table A.3 in the Annex.

The total population of the OIC, amounting to about 1.29 billion in 2000, constituted 21.3 percent of the world population. In 1990, the OIC countries' population was 1.04 billion, representing 19.7 percent of the world total.

The population in the OIC countries grew at an annual rate of 2.13 percent between 1995-2000. Although a slight decrease was observed compared to 1990-1995, this rate was still the highest among the groups of countries examined.

Within the sub-groups of the OIC countries, the highest growth rates in population were observed in the OIC-LDC group with 2.53 percent and the OIC-OEC group with 2.42 percent in 1995-2000. However, both groups experienced falls from the growth rates observed in 1990-1995. On the other hand, the OIC-TC group was the only group to experience an increase in the growth rate (Table A.3).

In terms of agricultural population, the share of the developing countries in the world total was 96.1 percent in 2000. The agricultural population of the OIC countries and the developing countries constituted greater shares of the world total in 2000 when compared to the previous years.

The agricultural population growth rates between 1995-2000 were lower when compared to the rates observed in the first half of the decade in all the groups. The OIC group had an agricultural population growth rate in 1995-2000 of 0.70 percent per annum, the highest among the other groups. Moreover, the rate of growth in agricultural population was less than that of the total population in all groups during this period.

Overall, the share of agricultural population in total population is decreasing in all groups examined, including the groups of countries within the OIC. In the OIC countries, although agricultural population constituted almost half of the total in 1990 with 49.5 percent, its share decreased to 46.5 percent in 1995 and 43.3 percent in 2000. In the world as a whole, the share fell from 46.4 percent in 1990 to 42.4 percent in 2000. Within the OIC, the share remained highest in the OIC-LDC group with 64.6 percent in 2000, even though this group experienced a fall of around 7 percentage points since 1990 (Table A.3).

## 5. AGRICULTURAL PRODUCTION

During 1990-2001, the OIC countries were able to raise their agricultural production to a level higher than that of the developed countries and the world. However, the average level recorded by the DCs was the highest among the groups of countries examined. During 1990-1995, the OIC countries recorded an annual rate of growth in total agricultural production of 2.38 percent, against 3.95 percent in the developing countries, -1.44 in the developed countries, and 1.63 percent in the world. In 1998, the OIC countries had an annual growth rate of 5.19 percent, which was much higher than the rates of the other groups. A similar trend was observed in the year 2000 in which the OIC group had an even higher growth rate of 5.52 percent per annum. In contrast, the group recorded negative growth rates in 1999 and 2001. In 1999, the OIC growth rate was -3.53 percent per annum, its lowest in the examined time period (Table 4).

The performance in agricultural production varied among the countries and groups within the OIC. While the OIC-LDC, OIC-MIC, and the OIC-OEC groups witnessed growth rates higher than the OIC average between 1990-1995, the OIC-TC group witnessed a growth rate of -5.90 percent. However, in 1999, an impressive improvement was observed in the agricultural production growth rate of the latter group, rising to 16.29 percent per annum. This improvement can be attributed mainly to the significant increase of 46.9 percent in the agricultural production of Kazakhstan in 1999 (FAOSTAT, Agricultural Production Indices). In the same year, the growth rates of the OIC-MIC and OIC-OEC groups decreased significantly (Table 4).

**TABLE 4: RATE OF GROWTH IN TOTAL AGRICULTURAL PRODUCTION (%)**

|            | 1990-1995   | 1998        | 1999         | 2000        | 2001         |
|------------|-------------|-------------|--------------|-------------|--------------|
| OIC-LDC    | 2.64        | 5.19        | 4.00         | 1.43        | 4.62         |
| OIC-MIC    | 3.03        | 5.25        | -8.65        | 10.02       | -3.11        |
| OIC-OEC    | 4.08        | 8.93        | -1.87        | -0.15       | -2.72        |
| OIC-TC     | -5.90       | -6.38       | 16.29        | -0.03       | 9.08         |
| <b>OIC</b> | <b>2.38</b> | <b>5.19</b> | <b>-3.53</b> | <b>5.52</b> | <b>-0.76</b> |
| Developed  | -1.44       | -0.81       | 1.94         | 0.40        | -0.30        |
| Developing | 3.95        | 2.97        | 3.55         | 1.79        | 0.91         |
| World      | 1.63        | 1.46        | 2.96         | 1.23        | 0.49         |

Source: Calculated using Table A.4 in the Annex.

In 2000, the OIC-MIC group's growth rate improved significantly (mainly as a result of the increase in the agricultural production of Jordan) while that of the OIC-OEC group increased only slightly (FAOSTAT, Agricultural Production Indices). In 2001, the highest growth rate was observed in the OIC-TC group with 9.08 percent per annum. This group was followed by the OIC-LDC group with 4.62 percent per annum. On the other hand, negative growth rates were observed in the OIC-MIC and OIC-OEC groups, with -3.11 percent and -2.72 percent per annum respectively.

The performance in agricultural production is better analysed when the aspect of population is taken into consideration. As shown in section four, the population growth rates were higher in the OIC countries when compared to the other groups. Therefore, it is useful to examine the performance of agricultural production in the OIC and other groups in terms of per capita agricultural production.

It can be seen that the OIC countries witnessed a negative growth rate of -0.08 percent per annum in per capita agricultural production between 1990-1995, in contrast to the 2.38 percent per annum observed in its total agricultural production growth rate. Furthermore, while there were small differences between the per capita agricultural production and total agricultural production growth rates of the developed countries in this time period, the differences observed in the other three groups were more significant.

**TABLE 5: RATE OF GROWTH IN PER CAPITA AGRICULTURAL PRODUCTION (%)**

|            | 1990-1995    | 1998        | 1999         | 2000        | 2001         |
|------------|--------------|-------------|--------------|-------------|--------------|
| OIC-LDC    | -0.14        | 2.52        | 1.89         | 0.50        | 2.14         |
| OIC-MIC    | 0.55         | 4.29        | -11.61       | 9.30        | -5.67        |
| OIC-OEC    | 1.59         | 6.63        | -4.16        | -2.32       | -4.90        |
| OIC-TC     | -6.32        | -7.71       | 17.14        | -0.70       | 8.77         |
| <b>OIC</b> | <b>-0.08</b> | <b>3.42</b> | <b>-4.97</b> | <b>3.76</b> | <b>-2.57</b> |
| Developed  | -1.99        | -1.26       | 1.59         | 0.10        | -0.52        |
| Developing | 2.11         | 1.29        | 1.87         | 0.25        | -0.67        |
| World      | 0.12         | 0.09        | 1.61         | 0.00        | -0.84        |

Source: Calculated using Table A.4 in the Annex.

On examining the groups within the OIC in terms of per capita agricultural production, we can see that the trends observed in total

agricultural production growth rates were also observed in per capita agricultural growth rates during the period under consideration, with the only difference being that the per capita growth rates were significantly lower in all groups. This implies that although there was an increase in agricultural production in the OIC countries on average, this was not enough to meet the increases in population.

## 6. FOOD PRODUCTION

Tables 6 and 7 show the rates of growth in total and per capita food production for the OIC as a whole, the groups within the OIC, and the other groups of countries. The trends in total and per capita food production more or less resemble those in total and per capita agricultural production respectively.

Between 1990-2001, the OIC countries were able to raise their total food production at a higher rate when compared to the developed countries and the world, but at a lower rate when compared to the developing countries (except in 1998 and 2000). Between 1990-1995, OIC's total food production increased by 2.92 percent per annum, which was higher than its increase in agricultural production.

**TABLE 6: RATE OF GROWTH IN TOTAL FOOD PRODUCTION (%)**

|            | 1990-1995   | 1998        | 1999         | 2000        | 2001         |
|------------|-------------|-------------|--------------|-------------|--------------|
| OIC-LDC    | 2.80        | 8.33        | 4.87         | 1.90        | 3.80         |
| OIC-MIC    | 2.78        | 5.93        | -3.75        | 6.26        | -2.44        |
| OIC-OEC    | 3.95        | 9.75        | -2.97        | -0.75       | -2.62        |
| OIC-TC     | -1.18       | 2.42        | 5.94         | 4.27        | 4.94         |
| <b>OIC</b> | <b>2.92</b> | <b>7.22</b> | <b>-2.07</b> | <b>3.45</b> | <b>-1.39</b> |
| Developed  | -1.36       | -0.60       | 1.82         | 0.50        | -0.59        |
| Developing | 4.16        | 3.46        | 3.85         | 1.54        | 0.90         |
| World      | 1.76        | 1.87        | 3.09         | 1.13        | 0.32         |

Source: Calculated using Table A.4 in the Annex.

The OIC countries had the highest growth rate in food production among the groups in 1998 and 2000, and the lowest in 1999 and 2001. They recorded their highest food production growth rate during the period under consideration in 1998 with 7.22 percent per annum. On the other hand, their lowest food production growth rate was observed in 1999 with -2.07 percent per annum.

Within the OIC sub-groups, similar trends between the agricultural and the food production growth rates were observed, with a few exceptions. For example, while the agricultural production growth rates of the OIC-TC group fluctuated enormously between 1998 and 2001, its food production growth rates seemed to be much more stable. Similarly, narrower fluctuations in food production growth rates were observed in the OIC-MIC group in comparison to its growth rates in agricultural production in 1999 and 2000.

**TABLE 7: RATE OF GROWTH IN PER CAPITA FOOD PRODUCTION (%)**

|            | 1990-1995   | 1998        | 1999         | 2000        | 2001         |
|------------|-------------|-------------|--------------|-------------|--------------|
| OIC-LDC    | -0.28       | 5.33        | 2.24         | -0.23       | 1.01         |
| OIC-MIC    | 0.46        | 4.32        | -5.32        | 4.22        | -4.35        |
| OIC-OEC    | 1.49        | 7.56        | -5.16        | -2.81       | -4.77        |
| OIC-TC     | -2.01       | 0.72        | 5.23         | 3.00        | 3.90         |
| <b>OIC</b> | <b>0.55</b> | <b>5.30</b> | <b>-3.87</b> | <b>1.35</b> | <b>-3.40</b> |
| Developed  | -1.89       | -0.94       | 1.47         | 0.21        | -0.83        |
| Developing | 2.32        | 1.78        | 2.17         | 0.00        | -0.65        |
| World      | 0.26        | 0.56        | 1.69         | -0.18       | -0.92        |

Source: Calculated using Table A.4 in the Annex.

In terms of per capita food production, a growth rate of 0.55 percent per annum was observed in the OIC countries between 1990 and 1995, compared to its 2.92 percent per annum growth rate in total food production. The per capita food production growth rate in the OIC countries fluctuated significantly in the following years within a wide range of between 5.30 percent and -3.87 percent per annum.

Within the OIC sub-groups, while the per capita agricultural production growth rates fluctuated greatly for the OIC-MIC and OIC-TC groups in the given time period, these fluctuations were of a lower degree in terms of per capita food production growth rates. Taking the above into account, it seems that, as we shall see in the next two sections, most OIC countries are net food importers.

## 7. TRADE OF AGRICULTURAL COMMODITIES

Sections 7 and 8 of the paper use Tables 8 and 9 to analyse the development of trade of agricultural commodities and food items in the OIC countries, the developed countries, the developing countries and the

world as a whole between 1990 and 2000. Data on the situation in the groups within the OIC is provided in Tables A.5, A.6, and A.11 in the Annex.

In 1990, the OIC countries had a share of 7.7 percent in the world merchandise exports. Their share remained rather stable through the 1990s, only to increase to 8.1 percent by 2000. In terms of value, the OIC countries' total merchandise exports increased from \$269.7 billion in 1990 to \$358.5 billion in 1995 and to \$490.9 billion in 2000 (Table A.11).

The share of the OIC countries in world merchandise imports also increased slightly in this time period from 6.3 percent in 1990 to 6.9 percent in 2000. In absolute terms, an increase in the imports of the OIC countries from \$226.3 billion to \$359.2 in 1995 and \$421.0 billion in 2000 was observed (Table A.11).

As a result, the OIC countries were able to increase their trade surpluses by \$26.5 billion throughout the period under consideration (Table A.11). However, regarding food and agricultural trade, they were net importers of food and agricultural commodities during the period under consideration. Moreover, between 1990 and 1997, those countries faced larger deficits in their food trade balance than in their agricultural trade balance (Tables A.5 and A.6).

In the trade of agricultural commodities, the OIC countries as a whole experienced deficits between 1990 and 2000. Their exports of agricultural commodities increased from \$22.6 billion in 1990 to \$27.9 billion in 2000 (Table A.5). However, their agricultural export was \$35.3 billion in 1996 and fell in value in the following years. In the period 1990-1995, the agricultural exports of the OIC countries grew at an average annual rate of 8.75 percent, while a negative growth rate of 11.53 was recorded in 2000 (Table A.5).

The value of the agricultural imports of the OIC countries increased from \$38.2 billion in 1990 to \$51.9 billion in 1995 (Table A.5). However, in the second half of the 1990s, their agricultural imports decreased, eventually amounting to \$48.7 billion in 2000. While agricultural imports grew at an annual rate of 6.35 percent in the period 1990-95, a negative growth rate of 1.57 percent was recorded in 2000.

**TABLE 8: TRADE OF AGRICULTURAL COMMODITIES**

|   | 1990          | 1995          | 1998          | 1999          | 2000          |
|---|---------------|---------------|---------------|---------------|---------------|
| Shares of Groups of Countries in Total World Exports of Agricultural Commodities (in %) |               |               |               |               |               |
| <b>OIC</b>  | <b>6.9</b>    | <b>7.7</b>    | <b>7.6</b>    | <b>7.6</b>    | <b>6.8</b>    |
| Developed   | 72.5          | 70.8          | 69.6          | 70.7          | 70.9          |
| Developing  | 27.5          | 29.2          | 30.4          | 29.3          | 29.1          |
| World   | 100.0         | 100.0         | 100.0         | 100.0         | 100.0         |
| Growth Rates in Agr. Exports (%)  |               |               |               |               |               |
| <b>OIC</b>  |               | <b>8.75</b>   | <b>-5.32</b>  | <b>-4.97</b>  | <b>-11.53</b> |
| Developed   |               | 5.83          | -4.43         | -3.25         | -1.23         |
| Developing  |               | 7.66          | -4.63         | -8.09         | -2.16         |
| World   |               | 6.34          | -4.49         | -4.72         | -1.50         |
| Share of Agricultural Commodities in Merchandise Exports (in %)                         |               |               |               |               |               |
| <b>OIC</b>  | <b>8.4</b>    | <b>9.6</b>    | <b>8.6</b>    | <b>7.4</b>    | <b>5.7</b>    |
| Developed   | 8.8           | 8.4           | 7.6           | 7.2           | 6.9           |
| Developing  | 11.1          | 9.5           | 9.0           | 7.8           | 6.4           |
| World   | 9.3           | 8.7           | 8.0           | 7.4           | 6.8           |
| Shares of Groups of Countries in Total World Imports of Agricultural Commodities (in %) |               |               |               |               |               |
| <b>OIC</b>  | <b>10.8</b>   | <b>11.2</b>   | <b>10.8</b>   | <b>11.2</b>   | <b>10.9</b>   |
| Developed   | 75.5          | 70.6          | 71.4          | 71.7          | 67.6          |
| Developing  | 24.5          | 29.4          | 28.6          | 28.3          | 32.4          |
| World   | 100.0         | 100.0         | 100.0         | 100.0         | 100.0         |
| Growth Rates in Agr. Imports (%)  |               |               |               |               |               |
| <b>OIC</b>  |               | <b>6.35</b>   | <b>-5.21</b>  | <b>0.17</b>   | <b>-1.57</b>  |
| Developed   |               | 4.11          | -0.63         | -2.78         | -4.47         |
| Developing  |               | 9.48          | -6.82         | -4.05         | 15.88         |
| World   |               | 5.53          | -2.48         | -3.15         | 1.29          |
| Share of Agricultural Commodities in Merchandise Imports (in %)                         |               |               |               |               |               |
| <b>OIC</b>  | <b>16.9</b>   | <b>14.5</b>   | <b>13.3</b>   | <b>13.4</b>   | <b>11.6</b>   |
| Developed   | 9.4           | 8.8           | 8.0           | 7.5           | 7.0           |
| Developing  | 11.1          | 9.4           | 9.0           | 8.3           | 8.0           |
| World   | 9.8           | 9.0           | 8.3           | 7.7           | 7.3           |
| Agricultural Trade Balance (Million \$)   |               |               |               |               |               |
| <b>OIC</b>  | <b>-15583</b> | <b>-17574</b> | <b>-16213</b> | <b>-17945</b> | <b>-20802</b> |
| Developed   | -30030        | -12153        | -21347        | -22167        | -11613        |
| Developing  | 3126          | -6427         | 2625          | -2844         | -25336        |
| World   | -26904        | -18579        | -18722        | -25011        | -36949        |
| Ratio of Exports to Imports in Agricultural Goods                                       |               |               |               |               |               |
| <b>OIC</b>  | <b>59.2</b>   | <b>66.1</b>   | <b>67.2</b>   | <b>63.7</b>   | <b>57.3</b>   |
| Developed   | 88.7          | 96.3          | 93.4          | 93.0          | 96.2          |
| Developing  | 103.6         | 95.3          | 102.0         | 97.7          | 82.5          |
| World   | 92.4          | 96.0          | 95.9          | 94.3          | 91.7          |

Source: Table A.5.

Nevertheless, the deficit in the trade of agricultural commodities increased from \$15.6 billion in 1990 to \$20.8 billion in 2000 (Table 8). In the same period, the ratio of exports to imports in agricultural goods decreased from 59.2 percent to 57.3 percent. The OIC as a whole did not experience lasting improvements in its agricultural trade balance in the examined time period. Slight improvements were observed in 1997 and 1998, but these were offset in 1999 and followed by a further increase in the deficit in 2000.

The share of agricultural commodities in total merchandise exports of the OIC countries was 8.4 percent in 1990 and 9.6 percent in 1995. However, this share decreased to 7.4 percent in 1999 and further to 5.7 percent in 2000. The developed countries, developing countries and the world as a whole all experienced falls in their share of agricultural commodities in their total merchandise exports between 1990 and 2000. However in the case of OIC countries, this share remained the lowest among the shares of the groups in 2000, even though it was the highest in 1995.

Regarding imports, the share of agricultural commodities decreased in the OIC countries from 16.9 percent in 1990 to 11.6 percent in 2000 (Table 8). A similar trend was also observed in the case of the developed countries, the developing countries, and the world as a whole. However, the shares observed in those three groups were significantly lower than that of the OIC countries.

## **8. TRADE OF FOOD ITEMS**

Regarding the trade of food items, the OIC countries are, in general, net importers. Their food exports increased from \$12.8 billion in 1990 to \$20.8 billion in 1995, but fell to \$18.2 billion in 2000 (Table A.6). While the average rate of growth of food exports was 10.2 percent per annum during the period 1990-1995, it was -2.7 percent per annum during 1995-2000, and -17 percent per annum in 2000 (Table 9). The OIC countries' share in the world food exports increased from 5.9 percent in 1990 to 7.7 percent in 1999, but fell down to 6.6 percent in 2000 (Table 9).

On the other hand, the share of those countries in world food imports remained stable around 12.8 percent during the last decade

(Table 9). In absolute terms, their food imports increased from \$30.5 billion in 1990 to \$40.8 billion in 1996, but fell to \$37.3 billion by 2000 (Table A.6).

The food trade deficit of the OIC countries was \$17.7 billion in 1990. It grew to \$20.8 billion by 1996, but dropped to \$16.1 billion in 1998. As of 2000, the food trade deficit of the OIC countries was \$19.1 billion (Table A.6).

As Table 9 shows, the food trade deficit of the OIC countries remained higher when compared to those of the developed countries and the developing countries between 1990 and 2000. Furthermore, the last two were able to improve their trade deficits in certain years, while that of the OIC countries remained high throughout this period. Moreover, it should be kept in mind that the figure for the developing countries also includes the OIC countries' trade position. Since the food trade deficit of the OIC countries remained higher than that of the developing countries throughout 1990-2000, it is clear that the food trade balance of the other developing countries had a surplus.

In terms of the ratio of total food exports to total food imports, the OIC countries also ranked lowest as compared to the developed and the developing countries. This is an important indicator as it shows how much of the food imports are compensated by food exports. In 1990, the export-import ratio in the OIC countries' food trade was 42 percent against 91.5 percent in developed countries and 87.6 percent in the developing countries. By 1998, the OIC countries were able to increase their ratio to 57.8 percent. However, the gap between the ratio of the OIC and the ratios of the developed countries and the developing countries remained high in that year and further increased by 2000.

The share of food items in the merchandise imports of the OIC remained high when compared to the shares of the developed countries and the developing countries between 1990 and 2000. However, the shares of all three groups decreased in this time period and the OIC experienced the heaviest fall among them (from 13.5 percent in 1990 to 8.8 percent in 2000) (Table 9).

The share of food items in the merchandise exports of the OIC increased from 4.7 percent to 5.8 percent between 1990 and 1995, but

fell to 3.7 percent by 2000 (Table 9). In the latter year, all groups witnessed their lowest shares throughout the examined time period, but the greatest fall in the share from 1995 onwards was observed in the OIC countries.

It should not be forgotten that besides the natural constraints of land and water usage, certain OIC countries have also faced shocks in the recent years such as droughts and floods. Those shocks have affected the food and agricultural production in those countries and forced them to increase their imports substantially.

Of the OIC-LDC group, Somalia, Sudan, and Uganda felt the impact of a severe drought (which began in 1999 and continued in 2000) that devastated crops and livestock across eastern Africa, leaving millions of people in need of food assistance. In southern Africa, unprecedented floods struck central and southern Mozambique in early 2000, seriously damaging or destroying infrastructure and causing extensive crop and livestock losses. In Afghanistan, the drought decimated crops and livestock across the country and deaths from starvation were reported (FAO 2001).

Countries of the OIC-LDC region were not the only ones to be affected by droughts. Droughts also affected Jordan, Iraq, Syrian Arab Republic, Pakistan, and Tajikistan between 1999 and 2001, severely hitting small-scale farmers and herders. In the Islamic Republic of Iran, the drought in 2000 was a continuation of one of the worst in 30 years, and the country had to import almost 7 million tons of wheat in 1999-2000, making it one of the world's biggest wheat importer during this period (FAO 2001).

In the light of what has been discussed in sections 6 and 7 above, it can be said that it is necessary for the OIC countries to both satisfy the food needs of their population and promote agriculture, which is the area of production in which they are most likely to perform well within global specialisation. However, the agricultural sectors of those countries must be induced for this purpose. The best method for this is to obtain an increase in the global demand for their agricultural goods. In this framework, the tariff and non-tariff barriers imposed by developed countries on the agricultural goods of the OIC countries need to be eliminated.

**TABLE 9: TRADE OF FOOD ITEMS**

|   | 1990          | 1995          | 1998          | 1999          | 2000          |
|---|---------------|---------------|---------------|---------------|---------------|
| Shares of Groups of Countries in Total World Exports of Food Items (in %) |               |               |               |               |               |
| <b>OIC</b>  | <b>5.9</b>    | <b>7.0</b>    | <b>7.5</b>    | <b>7.7</b>    | <b>6.6</b>    |
| Developed   | 75.1          | 73.6          | 71.3          | 72.1          | 72.5          |
| Developing  | 24.9          | 26.4          | 28.7          | 27.9          | 27.5          |
| World   | 100.0         | 100.0         | 100.0         | 100.0         | 100.0         |
| Growth Rates in Food Exports (%)  |               |               |               |               |               |
| <b>OIC</b>  |               | <b>10.23</b>  | <b>-2.82</b>  | <b>-1.18</b>  | <b>-16.97</b> |
| Developed   |               | 6.26          | -4.15         | -2.94         | -2.73         |
| Developing  |               | 7.94          | 0.48          | -6.33         | -4.80         |
| World   |               | 6.69          | -2.87         | -3.91         | -3.31         |
| Share of Food Items in Merchandise Exports (in %)                         |               |               |               |               |               |
| <b>OIC</b>  | <b>4.7</b>    | <b>5.8</b>    | <b>5.8</b>    | <b>5.1</b>    | <b>3.7</b>    |
| Developed   | 6.0           | 5.9           | 5.3           | 5.0           | 4.7           |
| Developing  | 6.6           | 5.7           | 5.8           | 5.0           | 4.1           |
| World   | 6.2           | 5.8           | 5.4           | 5.0           | 4.5           |
| Shares of Groups of Countries in Total World Imports of Food Items (in %) |               |               |               |               |               |
| <b>OIC</b>  | <b>12.8</b>   | <b>13.1</b>   | <b>12.4</b>   | <b>12.9</b>   | <b>12.8</b>   |
| Developed   | 74.3          | 69.5          | 69.6          | 69.8          | 68.5          |
| Developing  | 25.7          | 30.5          | 30.4          | 30.2          | 31.5          |
| World   | 100.0         | 100.0         | 100.0         | 100.0         | 100.0         |
| Growth Rates in Food Imports (%)  |               |               |               |               |               |
| <b>OIC</b>  |               | <b>6.00</b>   | <b>-4.61</b>  | <b>2.08</b>   | <b>-4.71</b>  |
| Developed   |               | 4.09          | -0.14         | -1.64         | -5.46         |
| Developing  |               | 9.17          | -3.25         | -2.48         | 0.20          |
| World   |               | 5.49          | -1.11         | -1.89         | -3.75         |
| Share of Food Items in Merchandise Imports (in %)                         |               |               |               |               |               |
| <b>OIC</b>  | <b>13.5</b>   | <b>11.4</b>   | <b>10.3</b>   | <b>10.6</b>   | <b>8.8</b>    |
| Developed   | 6.3           | 5.8           | 5.3           | 5.0           | 4.6           |
| Developing  | 7.9           | 6.6           | 6.5           | 6.1           | 5.1           |
| World   | 6.6           | 6.0           | 5.6           | 5.3           | 4.8           |
| Food Trade Balance (Million \$)   |               |               |               |               |               |
| <b>OIC</b>  | <b>-17705</b> | <b>-19999</b> | <b>-16144</b> | <b>-17204</b> | <b>-19077</b> |
| Developed   | -15087        | 3112          | -3818         | -6496         | -570          |
| Developing  | -7619         | -16412        | -9055         | -12093        | -16090        |
| World   | -22706        | -13299        | -12873        | -18589        | -16660        |
| Ratio of Exports to Imports in Food Items                                 |               |               |               |               |               |
| <b>OIC</b>  | <b>42.0</b>   | <b>51.0</b>   | <b>57.8</b>   | <b>56.0</b>   | <b>48.8</b>   |
| Developed   | 91.5          | 101.4         | 98.2          | 96.9          | 99.7          |
| Developing  | 87.6          | 82.7          | 90.3          | 86.8          | 82.4          |
| World   | 90.5          | 95.7          | 95.8          | 93.9          | 94.3          |

Source: Table A.6.

## 9. FOOD CONSUMPTION AND UNDERNOURISHMENT

FAO statistics on food consumption include mainly three basic categories of food ingredients: calorie intake, protein, and fat. Table 10 shows the amount of food available for per capita daily consumption in terms of these three categories.

**TABLE 10: FOOD SUPPLY IN THE OIC COUNTRIES**

|  | 1990        | 1995        | 1998        | 1999        | 2000        |
|--|-------------|-------------|-------------|-------------|-------------|
| <b>Calories Per Capita Per Day</b>       |             |             |             |             |             |
| OIC-LDC                                  | 2093        | 2051        | 2132        | 2126        | 2121        |
| OIC-MIC                                  | 2762        | 2882        | 2895        | 2903        | 2898        |
| OIC-OEC                                  | 2695        | 2826        | 2819        | 2825        | 2838        |
| OIC-TC                                   | 2675        | 2604        | 2413        | 2459        | 2563        |
| <b>OIC Countries</b>                     | <b>2569</b> | <b>2639</b> | <b>2654</b> | <b>2660</b> | <b>2665</b> |
| Developed Countries                      | 3319        | 3186        | 3221        | 3239        | 3260        |
| Developing Countries                     | 2517        | 2619        | 2660        | 2686        | 2679        |
| World                                    | 2709        | 2748        | 2784        | 2807        | 2805        |
| <b>Protein Per Capita Per Day, Grams</b> |             |             |             |             |             |
| OIC-LDC                                  | 51.5        | 50.9        | 52.9        | 52.8        | 52.3        |
| OIC-MIC                                  | 68.5        | 72.6        | 72.0        | 72.7        | 72.3        |
| OIC-OEC                                  | 68.5        | 69.3        | 70.5        | 71.0        | 71.4        |
| OIC-TC                                   | 79.9        | 78.1        | 72.3        | 74.0        | 77.3        |
| <b>OIC Countries</b>                     | <b>64.7</b> | <b>66.6</b> | <b>66.7</b> | <b>67.2</b> | <b>67.2</b> |
| Developed Countries                      | 102.9       | 97.8        | 98.6        | 98.7        | 98.6        |
| Developing Countries                     | 61.7        | 66.6        | 68.2        | 69.2        | 69.2        |
| World                                    | 71.6        | 73.7        | 74.9        | 75.7        | 75.6        |
| <b>Fat Per Capita Per Day, Grams</b>     |             |             |             |             |             |
| OIC-LDC                                  | 33.2        | 36.1        | 37.5        | 37.6        | 36.6        |
| OIC-MIC                                  | 60.9        | 66.8        | 64.9        | 64.4        | 65.1        |
| OIC-OEC                                  | 65.3        | 69.1        | 67.3        | 67.4        | 66.6        |
| OIC-TC                                   | 64.9        | 66.1        | 58.8        | 59.8        | 60.6        |
| <b>OIC Countries</b>                     | <b>54.8</b> | <b>59.2</b> | <b>58.0</b> | <b>57.8</b> | <b>57.7</b> |
| Developed Countries                      | 121.9       | 115.2       | 116.6       | 117.4       | 119.5       |
| Developing Countries                     | 51.2        | 57.6        | 60.8        | 62.2        | 62.8        |
| World                                    | 68.2        | 70.8        | 73.2        | 74.4        | 75.2        |

Source: Tables A.7-A.9 in the Annex.

In terms of calorie intake, all groups except the developed countries were able to increase their daily calorie intake per capita between 1990

and 2000. However, it should be noted that the developed countries had the highest daily calorie intake per capita among the groups in this time period. The averages for the OIC countries and the developing countries were fairly close to each other. The daily calorie intake per capita of the OIC countries was slightly higher than that of the developing countries between 1990 and 1995, but lower in recent years. In 2000, the daily calorie intakes of the OIC countries and the developing countries were 2665 calories per capita 2679 calories per capita, which were lower than the world average of 2805 calories per capita.

Within the OIC, all groups except the OIC-TC group were able to increase their daily calorie intake per capita between 1990 and 2000. The intake of the OIC-TC group showed signs of improvement only from 1998 onwards. While the intakes observed in the OIC-MIC and OIC-OEC groups were higher than that of the world average in 2000, that of the OIC-LDC group was 684 calories lower than that of the world average. On examining the countries individually, it can be seen that Afghanistan, Comoros, Mozambique, Sierra Leone, Somalia, and Tajikistan had daily calorie intakes of less than 2000 calories per capita in the year 2000. On the other hand, 19 countries within the OIC had daily intakes higher than that of the world average in the same year.

Protein availability for human consumption in the OIC countries as a group and the developing countries also remained significantly low compared to that of the developed countries. However, the gap among those groups decreased throughout the examined time period. Moreover, while protein consumption was higher in the OIC countries when compared to the developing countries in the first half of the 1990s, the situation reversed during the second half of the decade. In 1996, 1999 and 2000, protein availability in the OIC countries reached 67.2 grams daily per capita (Table A.8). Even though this was the highest level of protein consumption observed in the OIC countries during the study period, it was still below the levels observed in the developing countries in the same years.

Within the OIC, the OIC-LDC group had the lowest average protein consumption in the study period. Furthermore, this group's consumption did not experience any significant improvement in this period, rising from 51.5 grams per capita per day in 1990 to 52.3 grams in 2000. In 8 countries of this group, daily per capita protein consumption was below

50 grams in 2000. While protein consumption increased in the OIC-MIC and the OIC-OEC groups, it decreased in the OIC-TC group between 1990 and 2000. However, in 2000, the OIC-TC group still had the highest daily per capita protein consumption among the group of countries within the OIC (77.3 grams).

In the OIC countries, similar trends were also observed in fat consumption. While OIC's fat consumption was higher than that of the developing countries in the first half of the 1990s, that of the developing countries was higher in the second half of the decade. Furthermore, as of 2000, fat consumption of the OIC countries was the lowest among the groups examined with 57.7 grams per capita per day. This amount is especially low compared to the 119.5 grams of the developed countries.

In 2000, daily per capita fat consumption was 36.6 grams in the OIC-LDC group, while those of the other groups were all above 60 grams. The lowest fat consumption among OIC countries was observed in Afghanistan, Bangladesh, and Mozambique with 28.9, 22, and 27.3 grams in 2000 respectively (Table A.9). On the other hand, 12 OIC countries had fat consumption that was higher than that of the world average in the said year.

After examining food consumption in the OIC countries, an important question that comes to mind is what portion of the total population of the OIC is adequately nourished and what portion is undernourished. It can be seen that from the period 1990-1992 to the period 1997-1999, the available data indicate a great improvement in the number of adequately nourished people within the whole OIC group.

In absolute terms, total number of undernourished people within the OIC region was 176.3 million during the period 1997-1999, which was only 2.8 million higher than the total in 1990-1992. This was a very small increase if we keep in mind that the total population of the OIC increased by nearly 170 million in the same time period. As a result, even though the total number of undernourished people in the OIC increased slightly in absolute terms, the percentage of the total population that was undernourished decreased from 17.4 percent in 1990-1992 to 15.1 percent in 1997-1999 (Table 11).

The slight increase in the number of the undernourished in the OIC in absolute terms can be attributed to the increase witnessed in the OIC-

LDC group. In the other three groups, the number of undernourished people decreased in absolute terms from 1990-1992 to 1997-1999. That number in the OIC-LDC group increased by over 11 million people, whereas the total increase in population in this group was around 56 million (Table 11).

Of the 41 OIC member countries for which data is available, 15 countries experienced a fall in absolute terms in the number of undernourished people, and another 8 maintained approximately the same number in the given time period (Table A.10). Furthermore, a total of 27 countries witnessed decreases in the percentage of the population that was undernourished. The two countries with the highest percentage of undernourished people in their total populations in 1997-1999 were Somalia (with 74.07 percent and an increase of 8 percentage points since 1990-1992) and Afghanistan (with 58.2 percent but a fall of 5 percentage points).

**TABLE 11: UNDERNOURISHMENT IN THE OIC**

|                  | <b>1990-1992</b>               |                          | <b>1997-1999</b>               |                          |
|------------------|--------------------------------|--------------------------|--------------------------------|--------------------------|
|                  | Total undernourished (million) | As % of total population | Total undernourished (million) | As % of total population |
| OIC-LDC          | 99.7                           | 37.5%                    | 110.8                          | 34.5%                    |
| OIC-MIC          | 55.2                           | 10.8%                    | 48.8                           | 8.4%                     |
| OIC-OEC          | 18.1                           | 8.4%                     | 16.4                           | 6.4%                     |
| OIC-TC*          | 0.5                            | 15.2%                    | 0.3                            | 9.7%                     |
| <b>Total OIC</b> | <b>173.5</b>                   | <b>17.4%</b>             | <b>176.3</b>                   | <b>15.1%</b>             |
| DCs              | 816.3                          | 20%                      | 777.2                          | 17%                      |

Source: Table A.10 in the Annex.

\* Only data on Albania was available in this group.

The percentage of undernourished people in total population remained over 30 percent in Chad, Yemen, Bangladesh, and Guinea; over 40 percent in Niger and Sierra Leone; and over 50 percent in Mozambique during 1997-1999. However, among those countries, Niger was the only one to experience a slight increase in the percentage of undernourished people in total population (Table A.10). In fact, Chad and Mozambique were among the ten best performing countries in the world in bringing down the proportion of undernourished people in their population in this time period according to FAO's 'The State of Food

Insecurity in the World 2001'. Sudan and Kuwait were two other OIC member countries included in this category. On the other hand, Iraq and Somalia were categorised as being among the ten worst performers.

## **10. CONCLUSION**

With agricultural population accounting for more than 43 percent of their total population, the OIC countries as a whole can still be classified as agricultural economies. The total and agricultural population growth rate of the OIC countries remained the highest compared to the rates observed in the developing countries, developed countries, and the world as a whole during the last decade.

As a result of the large population growth, the OIC countries were not able to significantly improve their per capita agricultural and food production in this time period, even though they showed improvement in their total food and agricultural production.

To meet the needs in food and agriculture, the OIC countries substantially increased their imports of food and agricultural commodities during the 1990s, while smaller increases were observed in their exports of those commodities. Overall, the OIC countries remained net importers of food and agricultural commodities. While agricultural exports compensated for 57.3 percent of the agricultural imports in 2000, the ratio in the trade of food items was even lower (48.8 percent). Furthermore, food and agricultural imports constitute high portions of the total merchandise imports of the OIC countries when compared to the other country groups.

Even though the OIC countries as a whole fared reasonably in terms of food consumption (protein, fat, and calorie intake), the countries of the OIC-LDC group fared poorly. This group was also the only group within the OIC in which the total of undernourished people increased in absolute terms from 1990-92 to 1997-99. However, all groups within the OIC were able to show improvement in increasing the share of adequately nourished people in their population. Even though the number of undernourished people within the OIC increased from 173.5 million to 176.3 million in this time period, as a percentage of total population, they formed 15.1 percent in 1997-99 as compared to 17.4 percent in 1990-92.

It should be kept in mind that as groups within the OIC show diversity in food and agricultural performance, so do individual countries within the group. Some countries face a greater challenge in improving their performance due to natural constraints and large population growth rates, while others do not feel those constraints as strongly. According to FAO data on undernourishment, while there were OIC member countries that were categorised as the best performers in terms of increasing the share of adequately nourished people within their population during the last decade, there were also other OIC member countries that were classified as the poorest performers.

Taking into account what has been discussed throughout this paper, it can be said that the OIC countries may need to:

- Further improve cooperation amongst each other and take joint action to enhance agricultural production and food security, promote collective self-reliance and ensure continuity of food supply,
- Promote increased investments in the agricultural sector and rural infrastructure and improve agricultural markets and credit systems,
- Make additional use of the appropriate economic policies and measures to overcome the factors that impede agricultural production, food security, and foreign investment in agriculture,
- Promote additional coordinated mechanisms to overcome threats to food production and security caused by climatic factors, plant and animal pests and diseases,
- Expand cooperation in the area of agricultural research and the development of joint activities, and
- Promote the increased use of agricultural technology and new innovations to help bring agricultural production to higher levels and make better use of land, water, and yields.

Finally, it should be noted that the existing income and export subsidies on food and agricultural goods granted by the developed countries enormously distort world trade and production. In this respect,

either a substantial reduction in or the elimination of all developed countries' income and export subsidies are needed to ensure that the OIC countries, as well as other developing countries, improve their production of food and agricultural goods, reduce undernourishment and poverty, improve their import/export balance, and utilise their comparative advantage on a global scale.

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**TABLE A.1: LAND USE IN AGRICULTURE (1000 Hectares), 1999**

| <b>Countries and Groups</b> | <b>Land Area</b> | <b>Agricultural Area</b> | <b>Arable Land</b> | <b>Permanent Crops</b> | <b>Permanent Pasture</b> | <b>Irrigated Land</b> |
|-----------------------------|------------------|--------------------------|--------------------|------------------------|--------------------------|-----------------------|
| Afghanistan                 | 65209            | 38054                    | 7910               | 144                    | 30000                    | 2386                  |
| Bangladesh                  | 13017            | 9040                     | 8100               | 340                    | 600                      | 3985                  |
| Benin                       | 11062            | 2400                     | 1700               | 150                    | 550                      | 12                    |
| Burkina Faso                | 27360            | 9450                     | 3400               | 50                     | 6000                     | 25                    |
| Chad                        | 125920           | 48550                    | 3520               | 30                     | 45000                    | 20                    |
| Comoros                     | 223              | 133                      | 78                 | 40                     | 15                       | 0                     |
| Djibouti                    | 2318             | 1300                     | 0                  | 0                      | 1300                     | 1                     |
| Gambia                      | 1000             | 659                      | 195                | 5                      | 459                      | 2                     |
| Guinea                      | 24572            | 12185                    | 885                | 600                    | 10700                    | 95                    |
| Guinea-Bissau               | 2812             | 1430                     | 300                | 50                     | 1080                     | 17                    |
| Maldives                    | 30               | 4                        | 1                  | 2                      | 1                        | 0                     |
| Mali                        | 122019           | 34650                    | 4606               | 44                     | 30000                    | 138                   |
| Mauritania                  | 102522           | 39750                    | 488                | 12                     | 39250                    | 49                    |
| Mozambique                  | 78409            | 47350                    | 3120               | 230                    | 44000                    | 107                   |
| Niger                       | 126670           | 17000                    | 4994               | 6                      | 12000                    | 66                    |
| Senegal                     | 19253            | 7916                     | 2230               | 36                     | 5650                     | 71                    |
| Sierra Leone                | 7162             | 2740                     | 484                | 56                     | 2200                     | 29                    |
| Somalia                     | 62734            | 44065                    | 1043               | 22                     | 43000                    | 200                   |
| Sudan                       | 237600           | 126900                   | 16700              | 200                    | 110000                   | 1950                  |
| Togo                        | 5439             | 3300                     | 2200               | 100                    | 1000                     | 7                     |
| Uganda                      | 19710            | 8610                     | 5060               | 1750                   | 1800                     | 9                     |
| Yemen                       | 52797            | 17733                    | 1545               | 123                    | 16065                    | 490                   |

|                |                |               |              |              |               |              |
|----------------|----------------|---------------|--------------|--------------|---------------|--------------|
| <b>OIC-LDC</b> | <b>1107838</b> | <b>473219</b> | <b>68559</b> | <b>3990</b>  | <b>400670</b> | <b>9659</b>  |
| Cameroon       | 46540          | 9160          | 5960         | 1200         | 2000          | 33           |
| Côte d'Ivoire  | 31800          | 20350         | 2950         | 4400         | 13000         | 73           |
| Egypt          | 99545          | 3300          | 2834         | 466          | 0             | 3300         |
| Guyana         | 19685          | 1726          | 480          | 16           | 1230          | 150          |
| Indonesia      | 181157         | 42164         | 17941        | 13046        | 11177         | 4815         |
| Jordan         | 8893           | 1178          | 244          | 143          | 791           | 75           |
| Lebanon        | 1023           | 324           | 180          | 128          | 16            | 120          |
| Malaysia       | 32855          | 7890          | 1820         | 5785         | 285           | 365          |
| Morocco        | 44630          | 30445         | 8500         | 945          | 21000         | 1305         |
| Pakistan       | 77088          | 26880         | 21234        | 646          | 5000          | 17950        |
| Suriname       | 15600          | 88            | 57           | 10           | 21            | 51           |
| Syria          | 18378          | 13767         | 4701         | 801          | 8265          | 1186         |
| Tunisia        | 15536          | 9000          | 2850         | 2250         | 3900          | 380          |
| Turkey         | 76963          | 39050         | 24138        | 2534         | 12378         | 4500         |
| <b>OIC-MIC</b> | <b>669693</b>  | <b>205322</b> | <b>93889</b> | <b>32370</b> | <b>79063</b>  | <b>34303</b> |
| Algeria        | 238174         | 42715         | 7700         | 515          | 34500         | 560          |
| Bahrain        | 69             | 10            | 3            | 3            | 4             | 5            |
| Brunei D.      | 527            | 13            | 3            | 4            | 6             | 1            |
| Gabon          | 25767          | 5160          | 325          | 170          | 4665          | 15           |
| Iran           | 162200         | 63265         | 17300        | 1965         | 44000         | 7562         |
| Iraq           | 43737          | 9540          | 5200         | 340          | 4000          | 3525         |
| Kuwait         | 1782           | 143           | 6            | 1            | 136           | 7            |
| Libya          | 175954         | 15450         | 1815         | 335          | 13300         | 470          |
| Nigeria        | 91077          | 69938         | 28200        | 2538         | 39200         | 233          |

|                             |                 |                |                |               |                |               |
|-----------------------------|-----------------|----------------|----------------|---------------|----------------|---------------|
| Oman                        | 21246           | 1077           | 16             | 61            | 1000           | 62            |
| Qatar                       | 1100            | 71             | 18             | 3             | 50             | 13            |
| Saudi Arabia                | 214969          | 173785         | 3594           | 191           | 170000         | 1620          |
| U.A.E.                      | 8360            | 439            | 82             | 52            | 305            | 76            |
| <b>OIC-OEC</b>              | <b>984962</b>   | <b>381606</b>  | <b>64262</b>   | <b>6178</b>   | <b>311166</b>  | <b>14149</b>  |
| Albania                     | 2740            | 1128           | 577            | 122           | 429            | 340           |
| Azerbaijan                  | 8660            | 4462           | 1720           | 263           | 2479           | 1455          |
| Kazakhstan                  | 269970          | 212461         | 30000          | 135           | 182326         | 2350          |
| Kyrgyz Republic             | 19180           | 10726          | 1368           | 67            | 9291           | 1072          |
| Tajikistan                  | 14060           | 4360           | 730            | 130           | 3500           | 719           |
| Turkmenistan                | 46993           | 32395          | 1630           | 65            | 30700          | 1800          |
| Uzbekistan                  | 41424           | 27650          | 4475           | 375           | 22800          | 4281          |
| <b>OIC-TC</b>               | <b>403027</b>   | <b>293182</b>  | <b>40500</b>   | <b>1157</b>   | <b>251525</b>  | <b>12017</b>  |
| <b>Total OIC Countries</b>  | <b>3165520</b>  | <b>1353329</b> | <b>267210</b>  | <b>43695</b>  | <b>1042424</b> | <b>70128</b>  |
| As % of DC                  | 41.7%           | 43.6%          | 35.9%          | 40.3%         | 46.3%          | 33.8%         |
| As % of World               | 24.3%           | 27.3%          | 19.5%          | 33.0%         | 30.1%          | 25.6%         |
| <b>Developing Countries</b> | <b>7585817</b>  | <b>3104785</b> | <b>745144</b>  | <b>108443</b> | <b>2251261</b> | <b>207458</b> |
| As % of World               | 58.1%           | 62.6%          | 54.4%          | 81.9%         | 65.1%          | 75.7%         |
| <b>Developed Countries</b>  | <b>5464699</b>  | <b>1856504</b> | <b>623966</b>  | <b>23962</b>  | <b>1208575</b> | <b>66708</b>  |
| As % of World               | 41.9%           | 37.4%          | 45.6%          | 18.1%         | 34.9%          | 24.3%         |
| <b>World</b>                | <b>13050516</b> | <b>4961289</b> | <b>1369110</b> | <b>132405</b> | <b>3459836</b> | <b>274166</b> |

Source: FAO Database (FAOSTAT). <http://www.fao.org/faostat>.

**TABLE A.2: WATER USE IN AGRICULTURE, 1999**

| <b>Countries and Groups</b> | <b>Total withdrawal<br/>(million m3)</b> | <b>Total withdrawal<br/>as % of<br/>IRWR</b> | <b>Agricultural withdrawal<br/>(million m3)</b> | <b>Agricultural withdrawal<br/>as % of total<br/>withdrawal</b> |
|-----------------------------|--|--|---|---|
| Afghanistan                 | 26110                                    | 47.5   | 25849   | 99.0  |
| Bangladesh                  | 14636                                    | 13.9   | 12600   | 86.1  |
| Benin                       | 145                                      | 1.4  | 97  | 66.9  |
| Burkina Faso                | 376                                      | 2.1  | 303   | 80.6  |
| Chad                        | 180                                      | 1.2  | 148   | 82.0  |
| Djibouti                    | 8  | 2.5  | 7   | 86.7  |
| Gambia, The                 | 20                                       | 0.7  | 18  | 91.0  |
| Guinea                      | 740                                      | 0.3  | 644   | 87.0  |
| Guinea-Bissau               | 17                                       | 0.1  | 6   | 36.1  |
| Maldives                    | 3  | 11.2   | 0   | 0.0   |
| Mali                        | 1360                                     | 2.3  | 1319  | 97.0  |
| Mauritania                  | 1630                                     | 407.5  | 1500  | 92.0  |
| Mozambique                  | 605                                      | 0.6  | 540   | 89.3  |
| Niger                       | 500                                      | 14.3   | 410   | 82.0  |
| Senegal                     | 1360                                     | 5.2  | 1251  | 92.0  |
| Sierra Leone                | 370                                      | 0.2  | 329   | 89.0  |
| Somalia                     | 810                                      | 13.5   | 786   | 97.0  |
| Sudan                       | 17800                                    | 50.9   | 16800   | 94.4  |
| Togo                        | 91                                       | 0.8  | 23  | 25.3  |
| Uganda                      | 200                                      | 0.5  | 120   | 60.0  |
| Yemen                       | 2932                                     | 71.5   | 2700  | 92.1  |
| <b>OIC-LDC</b>              | <b>69893</b>                             | <b>7.8</b>                                   | <b>65449</b>                                    | <b>93.6</b>   |
| Cameroon                    | 400                                      | 0.1  | 140   | 35.0  |
| Cote d'Ivoire               | 709                                      | 0.9  | 475   | 67.0  |
| Egypt                       | 55100                                    | 3061.1                                       | 47400   | 86.0  |
| Guyana                      | 1460                                     | 0.6  | 1438  | 98.5  |
| Indonesia                   | 74346                                    | 2.6  | 69241   | 93.1  |
| Jordan                      | 984                                      | 144.7  | 737   | 74.9  |
| Lebanon                     | 1293                                     | 26.9   | 875   | 67.7  |
| Malaysia                    | 12733                                    | 2.2  | 9750  | 76.6  |
| Morocco                     | 11045                                    | 36.8   | 10180   | 92.2  |
| Pakistan                    | 155600                                   | 62.7   | 150600  | 96.8  |
| Suriname                    | 460                                      | 0.5  | 410   | 89.1  |
| Syria                       | 14410                                    | 205.9  | 13600   | 94.4  |
| Tunisia                     | 3075                                     | 87.4   | 2728  | 88.7  |

|                  |                |             |                  |             |
|------------------|----------------|-------------|------------------|-------------|
| Turkey           | 31600          | 16.1        | 22900            | 72.5        |
| <b>OIC-MIC</b>   | <b>363215</b>  | <b>7.9</b>  | <b>330474</b>    | <b>91.0</b> |
| Algeria          | 4500           | 32.4        | 2700             | 60.0        |
| Bahrain          | 239            | 5980.8      | 135              | 56.5        |
| Gabon            | 60             | 0.0         | 4                | 6.0         |
| Iran             | 70034          | 54.5        | 64155            | 91.6        |
| Iraq             | 42800          | 121.6       | 39380            | 92.0        |
| Kuwait           | 538            | 0.0         | 324              | 60.2        |
| Libya            | 4600           | 766.7       | 4000             | 87.0        |
| Nigeria          | 3630           | 1.6         | 1960             | 54.0        |
| Oman             | 1223           | 124.2       | 1148             | 93.9        |
| Qatar            | 285            | 558.6       | 211              | 73.9        |
| Saudi Arabia     | 17018          | 709.1       | 15308            | 90.0        |
| U.A.E.           | 2108           | 1405.3      | 1408             | 66.8        |
| <b>OIC-OEC</b>   | <b>147035</b>  | <b>25.6</b> | <b>130732</b>    | <b>88.9</b> |
| Albania          | 200            | 0.4         | 152              | 76.0        |
| Azerbaijan       | 16533          | 203.7       | 11631            | 70.3        |
| Kazakhstan       | 33674          | 44.6        | 27413            | 81.4        |
| Kyrgyz Republic  | 10086          | 21.7        | 9496             | 94.2        |
| Tajikistan       | 11874          | 17.9        | 10961            | 92.3        |
| Turkmenistan     | 23779          | 1748.5      | 23291            | 97.9        |
| Uzbekistan       | 58051          | 355.3       | 54366            | 93.7        |
| <b>OIC-TC</b>    | <b>154197</b>  | <b>59.7</b> | <b>137310</b>    | <b>89.0</b> |
| <b>Total OIC</b> | <b>734340</b>  | <b>11.6</b> | <b>663964</b>    | <b>90.4</b> |
| % of world       | 22.7           |             | 29.7             |             |
| <b>World</b>     | <b>3240000</b> |             | <b>2235600.0</b> |             |

Source: FAO's Information System on Water and Agriculture (AQUASTAT).  
<http://www.fao.org/aquastat>.

**TABLE A.3: POPULATION (Thousands)**

| <b>Countries and Groups</b> | <b>Total Population</b> |             |             | <b>Agricultural Population</b> |             |             |
|-----------------------------|-------------------------|-------------|-------------|--------------------------------|-------------|-------------|
|                             | <b>1990</b>             | <b>1995</b> | <b>2000</b> | <b>1990</b>                    | <b>1995</b> | <b>2000</b> |
| Afghanistan                 | 13,675                  | 19,073      | 21,765      | 9,617                          | 13,095      | 14,577      |
| Bangladesh                  | 110,025                 | 123,612     | 137,439     | 71,700                         | 74,765      | 76,472      |
| Benin                       | 4,655                   | 5,492       | 6,272       | 2,957                          | 3,232       | 3,386       |
| Burkina Faso                | 9,008                   | 10,270      | 11,535      | 8,325                          | 9,484       | 10,643      |
| Chad                        | 5,829                   | 6,735       | 7,885       | 4,852                          | 5,356       | 5,931       |
| Comoros                     | 527                     | 609         | 706         | 408                            | 461         | 520         |
| Djibouti                    | 504                     | 545         | 632         | -                              | -           | -           |
| Gambia                      | 928                     | 1,115       | 1,303       | 760                            | 897         | 1,029       |
| Guinea                      | 6,139                   | 7,332       | 8,154       | 5,352                          | 6,276       | 6,838       |
| Guinea-Bissau               | 946                     | 1,078       | 1,199       | 808                            | 906         | 993         |
| Maldives                    | 216                     | 250         | 291         | 82                             | 81          | 79          |
| Mali                        | 8,778                   | 9,928       | 11,351      | 7,530                          | 8,294       | 9,191       |
| Mauritania                  | 1,992                   | 2,275       | 2,665       | 1,100                          | 1,230       | 1,408       |
| Mozambique                  | 13,645                  | 16,293      | 18,292      | 10,723                         | 12,601      | 13,911      |
| Niger                       | 7,707                   | 9,109       | 10,832      | 6,921                          | 8,090       | 9,505       |
| Senegal                     | 7,327                   | 8,298       | 9,421       | 5,621                          | 6,247       | 6,945       |
| Sierra Leone                | 4,061                   | 4,080       | 4,405       | 2,739                          | 2,646       | 2,738       |
| Somalia                     | 7,163                   | 7,348       | 8,778       | 5,395                          | 5,387       | 6,247       |
| Sudan                       | 24,818                  | 27,952      | 31,095      | 17,243                         | 18,283      | 18,987      |
| Togo                        | 3,453                   | 3,844       | 4,527       | 2,264                          | 2,410       | 2,703       |
| Uganda                      | 17,245                  | 20,108      | 23,300      | 14,414                         | 16,369      | 18,404      |
| Yemen                       | 11,590                  | 14,895      | 18,349      | 7,065                          | 8,350       | 9,345       |

|                |                |                |                |                |                |                |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>OIC-LDC</b> | <b>260,231</b> | <b>300,241</b> | <b>340,196</b> | <b>185,876</b> | <b>204,460</b> | <b>219,852</b> |
| Cameroon       | 11,614         | 13,273         | 14,876         | 7,382          | 7,738          | 7,828          |
| Côte d'Ivoire  | 12,582         | 14,385         | 16,013         | 7,520          | 7,849          | 7,873          |
| Egypt          | 56,223         | 61,991         | 67,884         | 24,664         | 24,941         | 24,871         |
| Guyana         | 731            | 743            | 761            | 158            | 145            | 134            |
| Indonesia      | 182,474        | 197,622        | 212,092        | 92,897         | 93,844         | 93,540         |
| Jordan         | 3,254          | 4,249          | 4,913          | 491            | 553            | 562            |
| Lebanon        | 2,713          | 3,169          | 3,496          | 198            | 166            | 130            |
| Malaysia       | 17,845         | 20,017         | 22,218         | 4,646          | 4,314          | 3,926          |
| Morocco        | 24,624         | 27,213         | 29,878         | 11,110         | 11,072         | 10,909         |
| Pakistan       | 109,811        | 123,648        | 141,256        | 60,910         | 65,858         | 71,868         |
| Suriname       | 402            | 409            | 417            | 85             | 82             | 79             |
| Syria          | 12,386         | 14,221         | 16,189         | 4,104          | 4,306          | 4,493          |
| Tunisia        | 8,156          | 8,943          | 9,459          | 2,295          | 2,367          | 2,329          |
| Turkey         | 56,098         | 61,493         | 66,668         | 20,950         | 20,856         | 20,496         |
| <b>OIC-MIC</b> | <b>498,913</b> | <b>551,376</b> | <b>606,120</b> | <b>237,410</b> | <b>244,091</b> | <b>249,038</b> |
| Algeria        | 24,855         | 27,655         | 30,291         | 6,396          | 6,921          | 7,257          |
| Bahrain        | 490            | 573            | 640            | 10             | 9              | 7              |
| Brunei D.      | 257            | 294            | 328            | 5              | 4              | 3              |
| Gabon          | 935            | 1,078          | 1,230          | 482            | 481            | 464            |
| Iran           | 58,435         | 64,630         | 70,330         | 18,749         | 18,772         | 18,543         |
| Iraq           | 17,271         | 20,049         | 22,946         | 2,781          | 2,564          | 2,320          |
| Kuwait         | 2,143          | 1,691          | 1,914          | 25             | 19             | 21             |
| Libya          | 4,311          | 4,755          | 5,290          | 471            | 383            | 316            |
| Nigeria        | 85,953         | 99,278         | 113,862        | 36,957         | 37,753         | 37,921         |

|                             |                  |                  |                  |                  |                  |                  |
|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Oman                        | 1,785            | 2,154            | 2,538            | 798              | 868              | 910              |
| Qatar                       | 453              | 512              | 565              | 12               | 10               | 7                |
| Saudi Arabia                | 15,400           | 17,091           | 20,346           | 2,940            | 2,368            | 2,002            |
| U.A.E.                      | 2,014            | 2,352            | 2,606            | 158              | 147              | 128              |
| <b>OIC-OEC</b>              | <b>214,302</b>   | <b>242,112</b>   | <b>272,886</b>   | <b>69,784</b>    | <b>70,299</b>    | <b>69,899</b>    |
| Albania                     | 3,289            | 3,185            | 3,134            | 1,796            | 1,638            | 1,511            |
| Azerbaijan                  | 7,387            | 7,685            | 8,041            | 2,223            | 2,211            | 2,142            |
| Kazakhstan                  | 16,796           | 16,611           | 16,172           | 3,960            | 3,667            | 3,194            |
| Kyrgyz Republic             | 4,467            | 4,562            | 4,921            | 1,373            | 1,312            | 1,263            |
| Tajikistan                  | 5,509            | 5,741            | 6,087            | 2,163            | 2,133            | 2,056            |
| Turkmenistan                | 3,878            | 4,210            | 4,737            | 1,413            | 1,484            | 1,580            |
| Uzbekistan                  | 21,438           | 22,785           | 24,881           | 7,161            | 7,104            | 6,881            |
| <b>OIC-TC</b>               | <b>62,764</b>    | <b>64,779</b>    | <b>67,973</b>    | <b>20,089</b>    | <b>19,549</b>    | <b>18,627</b>    |
| <b>Total OIC</b>            | <b>1,036,210</b> | <b>1,158,508</b> | <b>1,287,175</b> | <b>513,159</b>   | <b>538,399</b>   | <b>557,416</b>   |
| % of DC                     | 25.9%            | 26.5%            | 27.1%            | 22.3%            | 22.5%            | 22.6%            |
| % of World                  | 19.7%            | 20.5%            | 21.3%            | 21.0%            | 21.4%            | 21.7%            |
| <b>Developing Countries</b> | 3,998,886        | 4,371,942        | 4,742,170        | 2,304,441        | 2,397,237        | 2,467,221        |
| % of World                  | 76.1%            | 77.2%            | 78.3%            | 94.5%            | 95.4%            | 96.1%            |
| <b>Developed Countries</b>  | 1,255,935        | 1,289,923        | 1,314,540        | 133,842          | 116,069          | 99,780           |
| % of World                  | 23.9%            | 22.8%            | 21.7%            | 5.5%             | 4.6%             | 3.9%             |
| <b>World</b>                | <b>5,254,821</b> | <b>5,661,865</b> | <b>6,056,710</b> | <b>2,438,283</b> | <b>2,513,306</b> | <b>2,567,001</b> |

Source: FAO Database (FAOSTAT). <http://www.fao.org/faostat>.

Note: For OIC-TC countries (excluding Albania), 1992 data have been used for the year 1990.

**TABLE A.4: AGRICULTURAL AND FOOD PRODUCTION INDICES**

| <b>1979-1981 = 100</b>                    |             |             |             |             |             |             |             |             |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>TOTAL AGRICULTURAL PRODUCTION</b>      |             |             |             |             |             |             |             |             |
|   | <b>1990</b> | <b>1995</b> | <b>1996</b> | <b>1997</b> | <b>1998</b> | <b>1999</b> | <b>2000</b> | <b>2001</b> |
| OIC-LDC                                   | 98.4        | 112.1       | 119.2       | 121.5       | 127.9       | 133.0       | 134.9       | 141.1       |
| OIC-MIC                                   | 104.2       | 121.0       | 115.2       | 120.6       | 126.9       | 115.9       | 127.5       | 123.6       |
| OIC-OEC                                   | 102.0       | 124.6       | 131.6       | 130.8       | 142.5       | 139.8       | 139.6       | 135.8       |
| OIC-TC                                    | 102.2       | 75.4        | 71.9        | 72.1        | 67.5        | 78.5        | 78.5        | 85.6        |
| OIC TOTAL                                 | 102.6       | 115.4       | 114.4       | 117.6       | 123.7       | 119.4       | 125.9       | 125.0       |
| World                                     | 100.7       | 109.2       | 113.8       | 116.7       | 118.4       | 121.9       | 123.4       | 124         |
| Developed Countries                       | 101.3       | 94.2        | 97.4        | 98.9        | 98.1        | 100.0       | 100.4       | 100.1       |
| Developing Countries                      | 100.2       | 121.6       | 127.4       | 131.3       | 135.2       | 140.0       | 142.5       | 143.8       |
| <b>PER CAPITA AGRICULTURAL PRODUCTION</b> |             |             |             |             |             |             |             |             |
|   | <b>1990</b> | <b>1995</b> | <b>1996</b> | <b>1997</b> | <b>1998</b> | <b>1999</b> | <b>2000</b> | <b>2001</b> |
| OIC-LDC                                   | 98.5        | 97.8        | 101.4       | 100.9       | 103.4       | 105.4       | 105.9       | 108.2       |
| OIC-MIC                                   | 104.2       | 107.1       | 99.2        | 101.8       | 106.1       | 93.8        | 102.5       | 96.7        |
| OIC-OEC                                   | 102.0       | 110.4       | 114.0       | 110.6       | 118.0       | 113.1       | 110.4       | 105.0       |
| OIC-TC                                    | 100.5       | 72.5        | 69.0        | 68.8        | 63.5        | 74.4        | 73.9        | 80.3        |
| OIC TOTAL                                 | 102.1       | 101.7       | 99.0        | 99.5        | 102.9       | 97.7        | 101.4       | 98.8        |
| World                                     | 100.7       | 101.3       | 104.2       | 105.3       | 105.4       | 107.1       | 107.1       | 106.2       |
| Developed Countries                       | 101.4       | 91.7        | 94.4        | 95.5        | 94.3        | 95.8        | 95.9        | 95.4        |
| Developing Countries                      | 100.2       | 111.2       | 114.6       | 116.2       | 117.7       | 119.9       | 120.2       | 119.4       |

| <b>TOTAL FOOD PRODUCTION</b>      |             |             |             |             |             |             |             |             |
|-----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                                   | <b>1990</b> | <b>1995</b> | <b>1996</b> | <b>1997</b> | <b>1998</b> | <b>1999</b> | <b>2000</b> | <b>2001</b> |
| OIC-LDC                           | 99.7        | 114.5       | 114.1       | 116.9       | 126.7       | 132.9       | 135.4       | 140.5       |
| OIC-MIC                           | 102.6       | 117.7       | 120.7       | 121.9       | 129.1       | 124.2       | 132.0       | 128.8       |
| OIC-OEC                           | 103.0       | 125.0       | 132.3       | 131.4       | 144.3       | 140.0       | 138.9       | 135.3       |
| OIC-TC                            | 99.8        | 94.1        | 91.1        | 91.4        | 93.6        | 99.1        | 103.4       | 108.5       |
| OIC TOTAL                         | 102.2       | 118.0       | 121.4       | 122.2       | 131.0       | 128.3       | 132.7       | 130.9       |
| World                             | 100.8       | 110         | 114.8       | 117.7       | 119.9       | 123.6       | 125.0       | 125.4       |
| Developed Countries               | 101.3       | 94.6        | 98.1        | 99.6        | 99.0        | 100.8       | 101.3       | 100.7       |
| Developing Countries              | 100.4       | 123.1       | 129.1       | 133.1       | 137.7       | 143         | 145.2       | 146.5       |
| <b>PER CAPITA FOOD PRODUCTION</b> |             |             |             |             |             |             |             |             |
|                                   | <b>1990</b> | <b>1995</b> | <b>1996</b> | <b>1997</b> | <b>1998</b> | <b>1999</b> | <b>2000</b> | <b>2001</b> |
| OIC-LDC                           | 99.7        | 98.4        | 95.4        | 95.1        | 100.2       | 102.4       | 102.2       | 103.2       |
| OIC-MIC                           | 102.4       | 104.8       | 106.1       | 104.6       | 109.1       | 103.3       | 107.7       | 103.0       |
| OIC-OEC                           | 103.0       | 111.0       | 114.8       | 111.4       | 119.8       | 113.6       | 110.4       | 105.2       |
| OIC-TC                            | 96.8        | 87.4        | 83.8        | 82.9        | 83.5        | 87.9        | 90.5        | 94.1        |
| OIC TOTAL                         | 101.9       | 104.7       | 105.9       | 104.1       | 109.6       | 105.3       | 106.7       | 103.1       |
| World                             | 100.8       | 102.1       | 105.1       | 106.2       | 106.8       | 108.6       | 108.4       | 107.4       |
| Developed Countries               | 101.3       | 92.1        | 95.1        | 96.1        | 95.2        | 96.6        | 96.8        | 96.0        |
| Developing Countries              | 100.4       | 112.6       | 116.1       | 117.8       | 119.9       | 122.5       | 122.5       | 121.7       |

Source: FAO Database (FAOSTAT). <http://www.fao.org/faostat>.

Note: For OIC-TC countries (excluding Albania), 1992 data have been used for the year 1990.

**TABLE A.5**

| <b>EXPORTS OF AGRICULTURAL COMMODITIES (Million \$)</b>       |             |             |             |             |             |             |             |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|   | <b>1990</b> | <b>1995</b> | <b>1996</b> | <b>1997</b> | <b>1998</b> | <b>1999</b> | <b>2000</b> |
| OIC-LDC   | 2195.0      | 2628.1      | 2649.1      | 2260.3      | 2434.2      | 2129.6      | 2056.8      |
| OIC-MIC   | 15965.2     | 24952.0     | 26174.3     | 26122.0     | 25052.8     | 24102.2     | 20966.7     |
| OIC-OEC   | 2001.2      | 3237.3      | 3486.3      | 3078.7      | 3266.1      | 3264.0      | 2535.9      |
| OIC-TC  | 2414.5      | 3517.0      | 2937.3      | 3588.7      | 2432.1      | 2038.5      | 2339.3      |
| OIC   | 22575.9     | 34334.3     | 35246.9     | 35049.8     | 33185.3     | 31534.3     | 27898.6     |
| Developed Countries   | 236620.0    | 314048.0    | 330775.1    | 318615.9    | 304504.5    | 294619.1    | 291007.6    |
| Developing Countries  | 89623.9     | 129599.9    | 135043.8    | 139380.8    | 132932.7    | 122180.1    | 119541.0    |
| World   | 326243.9    | 443647.9    | 465818.8    | 457996.7    | 437437.2    | 416799.2    | 410548.6    |
| <b>SHARE OF AGRICULTURAL GOODS IN MERCHANDISE EXPORTS (%)</b> |             |             |             |             |             |             |             |
| OIC-LDC   | 30.4        | 24.2        | 22.5        | 18.1        | 18.9        | 15.1        | 12.4        |
| OIC-MIC   | 16.8        | 14.1        | 13.9        | 13.2        | 13.3        | 12.1        | 9.2         |
| OIC-OEC   | 1.2         | 2.0         | 1.8         | 1.4         | 1.9         | 1.6         | 1.1         |
| OIC-TC  | 48.7        | 30.1        | 20.6        | 28.2        | 21.8        | 16.5        | 12.9        |
| OIC   | 8.4         | 9.6         | 8.5         | 8.0         | 8.6         | 7.4         | 5.7         |
| Developed Countries   | 8.8         | 8.4         | 8.6         | 8.1         | 7.6         | 7.2         | 6.9         |
| Developing Countries  | 11.1        | 9.5         | 9.2         | 8.8         | 9.0         | 7.8         | 6.4         |
| World   | 9.3         | 8.7         | 8.7         | 8.3         | 8.0         | 7.4         | 6.8         |

| <b>IMPORTS OF AGRICULTURAL COMMODITIES (Million \$)</b>       |          |          |          |          |          |          |          |
|---|----------|----------|----------|----------|----------|----------|----------|
| OIC-LDC   | 3874.9   | 4775.0   | 5246.7   | 4728.6   | 5254.0   | 5695.4   | 4612.6   |
| OIC-MIC   | 14935.5  | 24658.8  | 26076.1  | 24346.9  | 22589.4  | 22941.5  | 23608.1  |
| OIC-OEC   | 16412.8  | 20223.8  | 19952.7  | 20791.8  | 19467.0  | 18947.3  | 18520.4  |
| OIC-TC  | 2935.8   | 2250.7   | 2690.9   | 2246.2   | 2087.7   | 1895.5   | 1959.3   |
| OIC   | 38159.0  | 51908.4  | 53966.4  | 52113.5  | 49398.0  | 49479.6  | 48700.4  |
| Developed Countries   | 266649.6 | 326200.6 | 338003.6 | 327926.1 | 325851.5 | 316786.2 | 302620.4 |
| Developing Countries  | 86498.1  | 136026.7 | 141701.0 | 139840.5 | 130307.8 | 125023.8 | 144877.0 |
| World   | 353147.6 | 462227.3 | 479704.6 | 467766.5 | 456159.2 | 441810.0 | 447497.4 |
| <b>SHARE OF AGRICULTURAL GOODS IN MERCHANDISE IMPORTS (%)</b> |          |          |          |          |          |          |          |
| OIC-LDC   | 26.9     | 27.8     | 27.6     | 23.6     | 24.8     | 27.0     | 21.0     |
| OIC-MIC   | 13.0     | 11.5     | 11.3     | 10.3     | 11.4     | 11.7     | 10.0     |
| OIC-OEC   | 17.6     | 17.2     | 16.7     | 15.6     | 14.1     | 13.5     | 12.4     |
| OIC-TC  | 74.2     | 21.2     | 19.8     | 17.4     | 17.2     | 16.2     | 14.8     |
| OIC   | 16.9     | 14.5     | 14.1     | 12.9     | 13.3     | 13.4     | 11.6     |
| Developed Countries   | 9.4      | 8.8      | 8.8      | 8.3      | 8.0      | 7.5      | 7.0      |
| Developing Countries  | 11.1     | 9.4      | 9.2      | 8.7      | 9.0      | 8.3      | 8.0      |
| World   | 9.8      | 9.0      | 8.9      | 8.4      | 8.3      | 7.7      | 7.3      |

Source: Calculated using FAO Database (FAOSTAT). <http://www.fao.org/faostat>.

Note: For OIC-TC countries (excluding Albania), 1992 data have been used for the year 1990.

**TABLE A.6**

| <b>FOOD EXPORTS (Million \$)</b>                            |             |             |             |             |             |             |             |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|   | <b>1990</b> | <b>1995</b> | <b>1996</b> | <b>1997</b> | <b>1998</b> | <b>1999</b> | <b>2000</b> |
| OIC-LDC   | 1015.5      | 1016.4      | 1059.8      | 1097.2      | 968.2       | 988.8       | 1040.4      |
| OIC-MIC   | 9761.1      | 16770.9     | 17286.8     | 18569.3     | 18148.9     | 17899.6     | 14231.3     |
| OIC-OEC   | 1504.5      | 2352.2      | 2483.2      | 2082.3      | 2389.3      | 2396.1      | 2012.7      |
| OIC-TC  | 528.3       | 702.7       | 962.5       | 1047.2      | 646.2       | 606.1       | 890.5       |
| OIC TOTAL   | 12809.4     | 20842.2     | 21792.2     | 22796.1     | 22152.5     | 21890.6     | 18174.9     |
| Developed Countries   | 162168.4    | 219676.4    | 233407.1    | 220025.3    | 210898.6    | 204699.4    | 199103.8    |
| Developing Countries  | 53715.4     | 78693.9     | 81021.0     | 84337.7     | 84741.2     | 79379.5     | 75569.5     |
| World   | 215883.8    | 298370.3    | 314428.1    | 304363.0    | 295639.8    | 284079.0    | 274673.3    |
| <b>SHARE OF FOOD ITEMS IN TOTAL MERCHANDISE EXPORTS (%)</b> |             |             |             |             |             |             |             |
| OIC-LDC   | 14.1        | 9.4         | 9.0         | 8.8         | 7.5         | 7.0         | 6.3         |
| OIC-MIC   | 10.2        | 9.5         | 9.2         | 9.4         | 9.7         | 9.0         | 6.2         |
| OIC-OEC   | 0.9         | 1.5         | 1.3         | 1.0         | 1.4         | 1.2         | 0.9         |
| OIC-TC  | 10.7        | 6.0         | 6.8         | 8.2         | 5.8         | 4.9         | 4.9         |
| OIC   | 4.7         | 5.8         | 5.3         | 5.2         | 5.8         | 5.1         | 3.7         |
| Developed Countries   | 6.0         | 5.9         | 6.0         | 5.6         | 5.3         | 5.0         | 4.7         |
| Developing Countries  | 6.6         | 5.7         | 5.5         | 5.3         | 5.8         | 5.0         | 4.1         |
| World   | 6.2         | 5.8         | 5.9         | 5.5         | 5.4         | 5.0         | 4.5         |

| <b>FOOD IMPORTS (Million \$)</b>                            |          |          |          |          |          |          |          |
|---|----------|----------|----------|----------|----------|----------|----------|
| OIC-LDC   | 3185.4   | 3981.8   | 4361.0   | 3841.4   | 4171.1   | 4695.8   | 3756.5   |
| OIC-MIC   | 10880.1  | 17640.7  | 18643.5  | 16699.9  | 15668.4  | 16723.7  | 16383.3  |
| OIC-OEC   | 13696.1  | 17305.3  | 17213.8  | 17712.2  | 16715.2  | 16024.0  | 15503.7  |
| OIC-TC  | 2752.8   | 1912.9   | 2333.3   | 1893.6   | 1742.3   | 1650.8   | 1608.4   |
| OIC TOTAL   | 30514.3  | 40840.8  | 42551.6  | 40147.2  | 38296.9  | 39094.3  | 37251.9  |
| Developed Countries   | 177255.6 | 216564.0 | 227684.0 | 215023.1 | 214716.6 | 211195.4 | 199673.4 |
| Developing Countries  | 61334.2  | 95105.8  | 99217.8  | 96951.6  | 93796.4  | 91472.7  | 91659.5  |
| World   | 238589.8 | 311669.8 | 326901.7 | 311974.7 | 308512.9 | 302668.1 | 291332.9 |
| <b>SHARE OF FOOD ITEMS IN TOTAL MERCHANDISE IMPORTS (%)</b> |          |          |          |          |          |          |          |
| OIC-LDC   | 22.1     | 23.2     | 22.9     | 19.1     | 19.7     | 22.2     | 17.1     |
| OIC-MIC   | 9.5      | 8.3      | 8.1      | 7.0      | 7.9      | 8.5      | 6.9      |
| OIC-OEC   | 14.7     | 14.7     | 14.4     | 13.3     | 12.1     | 11.4     | 10.4     |
| OIC-TC  | 69.5     | 18.0     | 17.2     | 14.7     | 14.4     | 14.1     | 12.1     |
| OIC   | 13.5     | 11.4     | 11.1     | 9.9      | 10.3     | 10.6     | 8.8      |
| Developed Countries   | 6.3      | 5.8      | 5.9      | 5.4      | 5.3      | 5.0      | 4.6      |
| Developing Countries  | 7.9      | 6.6      | 6.5      | 6.0      | 6.5      | 6.1      | 5.1      |
| World   | 6.6      | 6.0      | 6.1      | 5.6      | 5.6      | 5.3      | 4.8      |

Source: Calculated using FAO Database (FAOSTAT). <http://www.fao.org/faostat>.

Note: For OIC-TC countries (excluding Albania), 1992 data have been used for the year 1990.

**TABLE A.7: FOOD SUPPLY: CALORIES PER CAPUT PER DAY**

|                | <b>1990</b> | <b>1995</b> | <b>1996</b> | <b>1997</b> | <b>1998</b> | <b>1999</b> | <b>2000</b> |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Afghanistan    | 1916        | 1603        | 1661        | 1677        | 1702        | 1636        | 1539        |
| Bangladesh     | 2082        | 2001        | 2057        | 2070        | 2113        | 2087        | 2103        |
| Benin          | 2319        | 2428        | 2452        | 2530        | 2551        | 2598        | 2558        |
| Burkina Faso   | 2228        | 2274        | 2349        | 2194        | 2299        | 2357        | 2293        |
| Chad           | 1695        | 1896        | 1902        | 1971        | 2205        | 2216        | 2046        |
| Comoros        | 1839        | 1836        | 1851        | 1812        | 1772        | 1772        | 1753        |
| Djibouti       | 1864        | 2113        | 2153        | 2007        | 2008        | 2098        | 2050        |
| Gambia         | 2467        | 2250        | 2124        | 2221        | 2299        | 2432        | 2474        |
| Guinea         | 1993        | 2258        | 2264        | 2256        | 2203        | 2147        | 2353        |
| Guinea-Bissau  | 2423        | 2494        | 2398        | 2358        | 2296        | 2311        | 2333        |
| Maldives       | 2325        | 2549        | 2556        | 2555        | 2566        | 2577        | 2592        |
| Mali           | 2303        | 2265        | 2266        | 2223        | 2340        | 2442        | 2403        |
| Mauritania     | 2564        | 2657        | 2692        | 2692        | 2675        | 2658        | 2638        |
| Mozambique     | 1830        | 1753        | 1830        | 1873        | 1895        | 1920        | 1927        |
| Niger          | 2158        | 1911        | 1937        | 2095        | 2100        | 2102        | 2089        |
| Senegal        | 2314        | 2300        | 2256        | 2259        | 2237        | 2276        | 2257        |
| Sierra Leone   | 1988        | 2110        | 2152        | 2112        | 2073        | 1996        | 1863        |
| Somalia        | 1788        | 1556        | 1581        | 1557        | 1562        | 1615        | 1628        |
| Sudan          | 2138        | 2335        | 2367        | 2340        | 2360        | 2365        | 2348        |
| Togo           | 2455        | 2231        | 2372        | 2479        | 2331        | 2450        | 2329        |
| Uganda         | 2335        | 2287        | 2214        | 2207        | 2296        | 2335        | 2359        |
| Yemen          | 2018        | 2033        | 2034        | 2030        | 2091        | 2003        | 2038        |
| <b>OIC-LDC</b> | <b>2093</b> | <b>2051</b> | <b>2085</b> | <b>2092</b> | <b>2132</b> | <b>2126</b> | <b>2121</b> |
| Cameroon       | 2111        | 2137        | 2115        | 2182        | 2214        | 2347        | 2255        |
| Côte d'Ivoire  | 2424        | 2522        | 2490        | 2658        | 2618        | 2571        | 2590        |
| Egypt          | 3179        | 3276        | 3328        | 3302        | 3319        | 3302        | 3346        |
| Guyana         | 2342        | 2552        | 2547        | 2608        | 2522        | 2557        | 2582        |
| Indonesia      | 2624        | 2934        | 2895        | 2842        | 2897        | 2915        | 2902        |
| Jordan         | 2868        | 2689        | 2678        | 2699        | 2678        | 2719        | 2749        |
| Lebanon        | 3178        | 3192        | 3154        | 3163        | 3146        | 3184        | 3155        |
| Malaysia       | 2758        | 2923        | 2912        | 2921        | 2911        | 2945        | 2919        |
| Morocco        | 3089        | 2912        | 3036        | 3035        | 3075        | 2979        | 2964        |
| Pakistan       | 2376        | 2406        | 2454        | 2486        | 2446        | 2475        | 2452        |
| Suriname       | 2451        | 2615        | 2631        | 2608        | 2604        | 2623        | 2652        |
| Syria          | 2813        | 2910        | 3007        | 3007        | 3064        | 3055        | 3038        |
| Tunisia        | 3157        | 3191        | 3241        | 3277        | 3352        | 3435        | 3299        |
| Turkey         | 3546        | 3444        | 3367        | 3362        | 3392        | 3365        | 3416        |
| <b>OIC-MIC</b> | <b>2762</b> | <b>2882</b> | <b>2883</b> | <b>2875</b> | <b>2895</b> | <b>2903</b> | <b>2898</b> |

|                      |             |             |             |             |             |             |             |
|----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Algeria              | 2902        | 2962        | 2938        | 2897        | 2940        | 2983        | 2944        |
| Brunei D.            | 2736        | 2759        | 2766        | 2745        | 2766        | 2793        | 2832        |
| Gabon                | 2372        | 2499        | 2511        | 2577        | 2539        | 2543        | 2564        |
| Iran                 | 2843        | 2929        | 2946        | 2961        | 2918        | 2901        | 2913        |
| Iraq                 | 3295        | 2234        | 2191        | 2099        | 2073        | 2173        | 2197        |
| Kuwait               | 2282        | 3018        | 3048        | 3092        | 3127        | 3125        | 3132        |
| Libya                | 3274        | 3246        | 3284        | 3291        | 3295        | 3305        | 3305        |
| Nigeria              | 2376        | 2808        | 2781        | 2791        | 2837        | 2833        | 2850        |
| Saudi Arabia         | 2800        | 2860        | 2880        | 2837        | 2824        | 2811        | 2875        |
| U.A.E.               | 3033        | 3151        | 3168        | 3127        | 3145        | 3190        | 3192        |
| <b>OIC-OEC</b>       | <b>2695</b> | <b>2826</b> | <b>2816</b> | <b>2809</b> | <b>2819</b> | <b>2825</b> | <b>2838</b> |
| Albania              | 2657        | 2794        | 3054        | 2674        | 2658        | 2722        | 2864        |
| Azerbaijan           | 2298        | 2079        | 2260        | 2122        | 2159        | 2356        | 2468        |
| Kazakhstan           | 3030        | 3111        | 2977        | 3136        | 2501        | 2669        | 2991        |
| Kyrgyz Rep.          | 2507        | 2089        | 2466        | 2596        | 2768        | 2833        | 2871        |
| Tajikistan           | 2324        | 2285        | 2094        | 2045        | 1885        | 1766        | 1720        |
| Turkmenistan         | 2755        | 2438        | 2570        | 2625        | 2762        | 2735        | 2675        |
| Uzbekistan           | 2652        | 2601        | 2833        | 2455        | 2399        | 2354        | 2371        |
| <b>OIC-TC</b>        | <b>2675</b> | <b>2604</b> | <b>2704</b> | <b>2586</b> | <b>2413</b> | <b>2459</b> | <b>2563</b> |
| <b>Total OIC</b>     | <b>2569</b> | <b>2639</b> | <b>2652</b> | <b>2642</b> | <b>2654</b> | <b>2660</b> | <b>2665</b> |
| World                | 2709        | 2748        | 2771        | 2794        | 2784        | 2807        | 2805        |
| Developed Countries  | 3319        | 3186        | 3203        | 3213        | 3221        | 3239        | 3260        |
| Developing Countries | 2517        | 2619        | 2644        | 2673        | 2660        | 2686        | 2679        |

Source: FAO Database (FAOSTAT). <http://www.fao.org/faostat>.

Note: For OIC-TC countries (excluding Albania), 1992 data have been used for the year 1990.

**TABLE A.8: PROTEIN PER CAPUT PER DAY (Grams)**

|                | <b>1990</b> | <b>1995</b> | <b>1996</b> | <b>1997</b> | <b>1998</b> | <b>1999</b> | <b>2000</b> |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Afghanistan    | 55.0        | 46.2        | 49.3        | 51.4        | 52.8        | 49.4        | 45.8        |
| Bangladesh     | 44.9        | 43.1        | 44.3        | 44.2        | 45.3        | 45.2        | 44.9        |
| Benin          | 56.0        | 58.2        | 58.0        | 61.1        | 59.9        | 60.1        | 59.3        |
| Burkina Faso   | 65.2        | 67.7        | 70.4        | 64.0        | 67.3        | 69.9        | 67.8        |
| Chad           | 48.4        | 55.8        | 56.2        | 58.5        | 68.3        | 66.4        | 60.4        |
| Comoros        | 43.9        | 42.8        | 43.3        | 42.3        | 41.8        | 41.8        | 42.3        |
| Djibouti       | 46.3        | 44.2        | 44.5        | 44.1        | 46.0        | 43.7        | 47.6        |
| Gambia         | 53.1        | 47.3        | 48.5        | 48.4        | 51.2        | 53.7        | 56.0        |
| Guinea         | 46.1        | 48.9        | 47.1        | 46.7        | 47.0        | 45.4        | 50.1        |
| Guinea-Bissau  | 48.2        | 49.7        | 47.8        | 46.7        | 45.4        | 46.1        | 45.4        |
| Maldives       | 72.8        | 105.2       | 108.0       | 107.7       | 110.9       | 114.6       | 113.1       |
| Mali           | 64.3        | 67.2        | 63.9        | 63.1        | 66.5        | 69.2        | 67.1        |
| Mauritania     | 79.3        | 76.4        | 79.8        | 75.3        | 75.9        | 73.6        | 73.9        |
| Mozambique     | 32.3        | 35.2        | 35.1        | 36.0        | 37.4        | 38.1        | 38.5        |
| Niger          | 56.3        | 52.5        | 52.4        | 56.2        | 58.4        | 57.8        | 57.4        |
| Senegal        | 68.8        | 64.3        | 64.1        | 63.7        | 63.2        | 65.0        | 64.4        |
| Sierra Leone   | 42.2        | 44.5        | 45.8        | 46.0        | 46.2        | 45.4        | 40.8        |
| Somalia        | 58.6        | 51.9        | 52.0        | 51.2        | 50.6        | 49.1        | 49.0        |
| Sudan          | 65.8        | 74.1        | 75.2        | 75.0        | 75.1        | 74.6        | 75.2        |
| Togo           | 56.4        | 50.0        | 57.3        | 59.5        | 53.4        | 54.5        | 54.1        |
| Uganda         | 55.9        | 52.3        | 48.8        | 48.4        | 52.7        | 54.5        | 54.6        |
| Yemen          | 56.3        | 55.8        | 55.0        | 54.5        | 57.4        | 55.1        | 56.9        |
| <b>OIC-LDC</b> | <b>51.5</b> | <b>50.9</b> | <b>51.5</b> | <b>51.5</b> | <b>52.9</b> | <b>52.8</b> | <b>52.3</b> |
| Cameroon       | 50.6        | 51.0        | 50.8        | 51.9        | 53.1        | 57.4        | 56.7        |
| Côte d'Ivoire  | 51.5        | 49.4        | 48.8        | 52.6        | 52.2        | 52.2        | 52.3        |
| Egypt          | 84.0        | 88.5        | 90.2        | 91.0        | 92.1        | 92.4        | 93.1        |
| Guyana         | 58.1        | 69.1        | 70.1        | 73.6        | 71.1        | 72.3        | 74.1        |
| Indonesia      | 58.5        | 67.8        | 67.5        | 64.8        | 63.0        | 64.2        | 64.2        |
| Jordan         | 75.7        | 73.0        | 69.4        | 70.7        | 69.6        | 73.5        | 75.2        |
| Lebanon        | 76.8        | 80.2        | 82.0        | 81.9        | 83.5        | 83.9        | 83.7        |
| Malaysia       | 63.1        | 74.9        | 76.3        | 76.3        | 73.9        | 78.0        | 75.1        |
| Morocco        | 86.6        | 76.7        | 82.5        | 80.9        | 82.2        | 80.9        | 79.5        |
| Pakistan       | 59.1        | 60.9        | 64.1        | 63.8        | 63.4        | 63.1        | 62.5        |
| Suriname       | 63.5        | 63.5        | 64.5        | 60.7        | 63.0        | 61.8        | 61.9        |
| Syria          | 71.7        | 70.6        | 71.4        | 71.4        | 74.3        | 74.4        | 74.1        |
| Tunisia        | 83.9        | 86.8        | 87.9        | 87.9        | 90.6        | 92.6        | 90.9        |
| Turkey         | 102.1       | 100.8       | 95.8        | 93.0        | 97.9        | 98.0        | 97.6        |
| <b>OIC-MIC</b> | <b>68.5</b> | <b>72.6</b> | <b>73.1</b> | <b>71.9</b> | <b>72.0</b> | <b>72.7</b> | <b>72.3</b> |

|                            |             |             |             |             |             |             |             |
|----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Algeria                    | 77.7        | 80.1        | 78.8        | 77.0        | 82.7        | 83.0        | 81.2        |
| Brunei D.                  | 79.0        | 84.1        | 89.7        | 78.4        | 76.6        | 79.3        | 76.4        |
| Gabon                      | 65.8        | 75.5        | 76.0        | 73.4        | 73.8        | 73.9        | 73.8        |
| Iran                       | 73.9        | 75.5        | 79.0        | 77.8        | 77.2        | 77.1        | 78.1        |
| Iraq                       | 85.4        | 47.1        | 46.3        | 45.8        | 47.8        | 51.4        | 52.1        |
| Kuwait                     | 67.4        | 93.3        | 96.1        | 96.6        | 97.8        | 98.0        | 95.7        |
| Libya                      | 82.5        | 82.4        | 82.4        | 82.5        | 88.4        | 87.2        | 85.2        |
| Nigeria                    | 56.0        | 63.2        | 62.5        | 63.2        | 64.0        | 64.5        | 65.2        |
| Saudi Arabia               | 78.3        | 79.0        | 79.7        | 79.1        | 77.4        | 78.3        | 78.6        |
| U.A.E.                     | 94.4        | 97.9        | 98.6        | 97.1        | 97.8        | 100.2       | 101.2       |
| <b>OIC-OEC</b>             | <b>68.5</b> | <b>69.3</b> | <b>69.8</b> | <b>69.4</b> | <b>70.5</b> | <b>71.0</b> | <b>71.4</b> |
| Albania                    | 81.5        | 94.1        | 102.8       | 90.0        | 87.7        | 92.5        | 96.8        |
| Azerbaijan                 | 69.3        | 62.0        | 66.4        | 62.4        | 65.7        | 69.5        | 72.2        |
| Kazakhstan                 | 92.9        | 96.4        | 93.7        | 99.9        | 80.0        | 85.8        | 94.6        |
| Kyrgyz Republic            | 79.8        | 67.8        | 80.3        | 85.9        | 90.7        | 92.1        | 92.6        |
| Tajikistan                 | 66.8        | 61.2        | 53.4        | 51.2        | 49.3        | 45.8        | 45.0        |
| Turkmenistan               | 80.1        | 70.4        | 74.8        | 73.9        | 77.7        | 78.1        | 76.6        |
| Uzbekistan                 | 77.1        | 75.6        | 81.0        | 70.1        | 68.0        | 67.0        | 69.0        |
| <b>OIC-TC</b>              | <b>79.9</b> | <b>78.1</b> | <b>80.7</b> | <b>77.5</b> | <b>72.3</b> | <b>74.0</b> | <b>77.3</b> |
| <b>Total OIC Countries</b> | <b>64.7</b> | <b>66.6</b> | <b>67.2</b> | <b>66.4</b> | <b>66.7</b> | <b>67.2</b> | <b>67.2</b> |
| World                      | 71.6        | 73.7        | 74.6        | 75.0        | 74.9        | 75.7        | 75.6        |
| Developed Countries        | 102.9       | 97.8        | 98.1        | 97.8        | 98.6        | 98.7        | 98.6        |
| Developing Countries       | 61.7        | 66.6        | 67.7        | 68.4        | 68.2        | 69.2        | 69.2        |

Source: FAO Database (FAOSTAT). <http://www.fao.org/faostat>.

Note: For OIC-TC countries (excluding Albania), 1992 data have been used for the year 1990.

**TABLE A.9: FAT PER CAPUT PER DAY (Grams)**

|                | <b>1990</b> | <b>1995</b> | <b>1996</b> | <b>1997</b> | <b>1998</b> | <b>1999</b> | <b>2000</b> |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Afghanistan    | 40.3        | 36.5        | 36.3        | 32.5        | 34.8        | 32.8        | 28.9        |
| Bangladesh     | 16.8        | 20.0        | 19.6        | 20.8        | 21.5        | 21.0        | 22.0        |
| Benin          | 44.1        | 44.1        | 45.0        | 43.2        | 46.8        | 46.1        | 43.4        |
| Burkina Faso   | 47.3        | 46.1        | 50.0        | 47.7        | 50.8        | 49.1        | 49.5        |
| Chad           | 40.2        | 56.3        | 56.8        | 63.2        | 69.9        | 69.7        | 58.1        |
| Comoros        | 37.3        | 44.1        | 43.6        | 43.7        | 39.8        | 39.4        | 39.9        |
| Djibouti       | 41.4        | 61.9        | 62.1        | 59.8        | 56.6        | 63.9        | 60.3        |
| Gambia         | 55.3        | 56.7        | 57.0        | 62.8        | 74.1        | 79.7        | 77.4        |
| Guinea         | 41.1        | 49.0        | 57.5        | 55.8        | 50.8        | 52.1        | 56.0        |
| Guinea-Bissau  | 62.1        | 64.4        | 59.3        | 57.2        | 57.0        | 56.4        | 59.7        |
| Maldives       | 43.5        | 54.3        | 55.0        | 62.8        | 65.2        | 64.3        | 65.8        |
| Mali           | 51.2        | 45.8        | 44.2        | 47.4        | 47.3        | 48.1        | 48.2        |
| Mauritania     | 65.6        | 68.0        | 66.6        | 65.8        | 64.5        | 69.6        | 65.3        |
| Mozambique     | 38.1        | 32.3        | 33.1        | 33.9        | 33.9        | 36.4        | 27.3        |
| Niger          | 32.3        | 30.4        | 33.1        | 36.3        | 34.1        | 35.6        | 34.4        |
| Senegal        | 49.1        | 67.2        | 64.6        | 69.7        | 69.1        | 67.3        | 66.1        |
| Sierra Leone   | 54.8        | 58.2        | 59.8        | 59.9        | 51.6        | 45.8        | 45.0        |
| Somalia        | 64.2        | 58.7        | 58.3        | 56.8        | 55.4        | 55.1        | 55.4        |
| Sudan          | 58.0        | 70.2        | 71.1        | 71.8        | 73.9        | 74.6        | 73.1        |
| Togo           | 47.2        | 49.9        | 52.6        | 46.4        | 40.7        | 46.8        | 42.8        |
| Uganda         | 30.4        | 32.9        | 32.2        | 32.6        | 31.6        | 33.2        | 30.9        |
| Yemen          | 36.2        | 36.5        | 34.9        | 37.2        | 39.1        | 39.5        | 39.5        |
| <b>OIC-LDC</b> | <b>33.2</b> | <b>36.1</b> | <b>36.2</b> | <b>37.0</b> | <b>37.5</b> | <b>37.6</b> | <b>36.6</b> |
| Cameroon       | 45.3        | 43.5        | 42.1        | 42.9        | 43.9        | 47.5        | 47.5        |
| Côte d'Ivoire  | 49.0        | 50.1        | 51.4        | 54.5        | 54.1        | 56.2        | 53.3        |
| Egypt          | 58.6        | 58.2        | 58.7        | 56.5        | 55.6        | 56.9        | 59.6        |
| Guyana         | 30.8        | 48.9        | 49.8        | 52.1        | 50.0        | 50.7        | 49.2        |
| Indonesia      | 50.3        | 60.4        | 57.9        | 55.2        | 56.3        | 55.0        | 55.1        |
| Jordan         | 69.3        | 77.4        | 72.4        | 82.4        | 83.6        | 76.3        | 80.9        |
| Lebanon        | 101.4       | 100.6       | 97.7        | 96.9        | 95.1        | 96.9        | 98.2        |
| Malaysia       | 99.8        | 90.7        | 80.6        | 86.6        | 86.7        | 88.8        | 87.2        |
| Morocco        | 57.4        | 59.6        | 56.4        | 60.5        | 59.6        | 58.4        | 58.6        |
| Pakistan       | 56.2        | 65.6        | 67.2        | 64.7        | 66.0        | 63.9        | 64.2        |
| Suriname       | 46.1        | 51.9        | 49.4        | 68.6        | 67.6        | 66.5        | 67.3        |
| Syria          | 81.6        | 93.7        | 101.9       | 104.0       | 102.0       | 104.2       | 103.7       |
| Tunisia        | 87.5        | 85.9        | 85.8        | 91.4        | 95.5        | 104.7       | 99.7        |
| Turkey         | 90.9        | 91.2        | 93.0        | 96.6        | 86.5        | 86.4        | 90.2        |
| <b>OIC-MIC</b> | <b>60.9</b> | <b>66.8</b> | <b>66.1</b> | <b>65.5</b> | <b>64.9</b> | <b>64.4</b> | <b>65.1</b> |

|                            |             |             |             |             |             |             |             |
|----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Algeria                    | 72.8        | 74.4        | 67.2        | 70.1        | 67.9        | 70.4        | 68.0        |
| Brunei D.                  | 73.1        | 74.4        | 76.1        | 74.3        | 80.2        | 71.6        | 67.8        |
| Gabon                      | 45.9        | 49.8        | 50.8        | 52.5        | 56.5        | 62.1        | 65.4        |
| Iran                       | 62.5        | 66.8        | 63.2        | 62.5        | 62.2        | 58.9        | 59.2        |
| Iraq                       | 74.0        | 73.4        | 73.9        | 58.8        | 54.0        | 51.7        | 50.6        |
| Kuwait                     | 80.8        | 96.2        | 93.4        | 93.8        | 94.5        | 97.6        | 98.4        |
| Libya                      | 109.2       | 103.0       | 104.3       | 100         | 101.2       | 101.2       | 107.8       |
| Nigeria                    | 57.2        | 63.9        | 67.4        | 68.0        | 68.3        | 70.1        | 68.5        |
| Saudi Arabia               | 84.6        | 78.4        | 80.1        | 77.2        | 79.0        | 80.5        | 81.0        |
| U.A.E.                     | 93.7        | 101.9       | 102.3       | 100.3       | 100.8       | 101.3       | 100.4       |
| <b>OIC-OEC</b>             | <b>65.3</b> | <b>69.1</b> | <b>68.9</b> | <b>67.7</b> | <b>67.3</b> | <b>67.4</b> | <b>66.6</b> |
| Albania                    | 63.9        | 83.8        | 88.8        | 78.5        | 80.8        | 81.8        | 86.0        |
| Azerbaijan                 | 39.4        | 34.5        | 37.1        | 34.6        | 34.5        | 39.2        | 37.2        |
| Kazakhstan                 | 80.2        | 74.7        | 69.4        | 63.3        | 60.7        | 64.4        | 72.7        |
| Kyrgyz Republic            | 52.3        | 53.1        | 55.4        | 52.8        | 53.6        | 52.9        | 52.5        |
| Tajikistan                 | 47.3        | 46.6        | 43.0        | 43.3        | 34.2        | 34.5        | 32.3        |
| Turkmenistan               | 67.7        | 71.1        | 66.8        | 68.8        | 75.0        | 70.4        | 67.3        |
| Uzbekistan                 | 69.0        | 74.5        | 70.4        | 69.8        | 66.8        | 66.2        | 63.6        |
| <b>OIC-TC</b>              | <b>64.9</b> | <b>66.1</b> | <b>63.4</b> | <b>60.8</b> | <b>58.8</b> | <b>59.8</b> | <b>60.6</b> |
| <b>Total OIC Countries</b> | <b>54.8</b> | <b>59.2</b> | <b>58.8</b> | <b>58.3</b> | <b>58.0</b> | <b>57.8</b> | <b>57.7</b> |
| World                      | 68.2        | 70.8        | 71.0        | 72.0        | 73.2        | 74.4        | 75.2        |
| Developed Countries        | 121.9       | 115.2       | 114.8       | 115.4       | 116.6       | 117.4       | 119.5       |
| Developing Countries       | 51.2        | 57.6        | 58.2        | 59.4        | 60.8        | 62.2        | 62.8        |

Source: FAO Database (FAOSTAT). <http://www.fao.org/faostat>.

Note: For OIC-TC countries (excluding Albania), 1992 data have been used for the year 1990.

**TABLE A.10: PREVALENCE OF UNDERNOURISHMENT**

| Countries and Groups | Number of undernourished people (millions) |              | Proportion of total population (%) |             |
|----------------------|--|--------------|------------------------------------|-------------|
|                      | 1990-92                                    | 1997-99      | 1990-92                            | 1997-99     |
| Afghanistan          | 9.3  | 12.1         | 63.7                               | 58.2        |
| Bangladesh           | 39.2                                       | 44.1         | 34.8                               | 33.5        |
| Benin                | 0.9  | 0.9          | 18.8                               | 15.0        |
| Burkina Faso         | 2.8  | 2.6          | 30.1                               | 23.6        |
| Chad                 | 3.5  | 2.5          | 58.3                               | 33.8        |
| Gambia               | 0.2  | 0.2          | 20.0                               | 16.7        |
| Guinea               | 2.6  | 2.7          | 40.6                               | 34.2        |
| Mali                 | 2.2  | 3.0          | 24.4                               | 28.0        |
| Mauritania           | 0.3  | 0.3          | 15.0                               | 12.0        |
| Mozambique           | 9.6  | 9.5          | 68.1                               | 54.0        |
| Niger                | 3.3  | 4.2          | 41.3                               | 41.6        |
| Senegal              | 1.7  | 2.1          | 22.7                               | 23.3        |
| Sierra Leone         | 1.9  | 1.7          | 46.3                               | 40.5        |
| Somalia              | 4.8  | 6.0          | 66.7                               | 74.1        |
| Sudan                | 7.9  | 6.3          | 31.1                               | 21.1        |
| Togo                 | 0.9  | 0.7          | 25.7                               | 16.7        |
| Uganda               | 4.2  | 6.2          | 23.6                               | 28.2        |
| Yemen                | 4.4  | 5.7          | 36.1                               | 33.7        |
| <b>OIC-LDC</b>       | <b>99.7</b>                                | <b>110.8</b> | <b>37.5</b>                        | <b>34.5</b> |
| Cameroon             | 3.4  | 3.6          | 28.6                               | 25.4        |
| Côte d'Ivoire        | 2.5  | 2.4          | 19.2                               | 15.6        |
| Egypt                | 2.6  | 2.4          | 4.5                                | 3.7         |
| Guyana               | 0.1  | 0.1          | 14.3                               | 12.5        |
| Indonesia            | 16.7                                       | 12.0         | 9.0                                | 5.8         |
| Jordan               | 0.1  | 0.2          | 2.9                                | 4.3         |
| Lebanon              | 0.1  | 0.1          | 3.6                                | 2.9         |
| Malaysia             | 0.6  | 0.4          | 3.3                                | 1.9         |
| Morocco              | 1.4  | 1.8          | 5.6                                | 6.3         |
| Pakistan             | 26.5                                       | 24.4         | 23.6                               | 18.2        |
| Suriname             | 0.0  | 0.0          | 0.0                                | 0.0         |
| Syria                | 0.2  | 0.2          | 1.6                                | 1.3         |
| Tunisia              | 0.1  | 0.0          | 1.2                                | 0.0         |
| Turkey               | 0.9  | 1.2          | 1.6                                | 1.9         |
| <b>OIC-MIC</b>       | <b>55.2</b>                                | <b>48.8</b>  | <b>10.8</b>                        | <b>8.4</b>  |
| Algeria              | 1.3  | 1.7          | 5.1                                | 5.8         |
| Iran                 | 2.7  | 3.5          | 4.5                                | 5.1         |
| Iraq                 | 1.2  | 3.0          | 6.7                                | 13.8        |

|                            |              |              |             |             |
|----------------------------|--------------|--------------|-------------|-------------|
| Kuwait                     | 0.5          | 0.1          | 23.8        | 5.6         |
| Libya                      | 0.0          | 0.0          | 0.0         | 0.0         |
| Nigeria                    | 12.0         | 7.6          | 13.6        | 7.0         |
| Saudi Arabia               | 0.3          | 0.4          | 1.9         | 2.1         |
| U.A.E.                     | 0.1          | 0.1          | 4.8         | 4.0         |
| <b>OIC-OEC</b>             | <b>18.1</b>  | <b>16.4</b>  | <b>8.4</b>  | <b>6.4</b>  |
| Albania                    | 0.5          | 0.3          | 15.2        | 9.7         |
| <b>OIC-TC</b>              | <b>0.5</b>   | <b>0.3</b>   | <b>15.2</b> | <b>9.7</b>  |
| <b>Total OIC Countries</b> | <b>173.5</b> | <b>176.3</b> | <b>17.4</b> | <b>15.1</b> |

Source: FAO, State of Food Insecurity 2001.

**TABLE A.11: MERCHANDISE TRADE (Million \$)**

| <b>MERCHANDISE EXPORTS (Million \$)</b> |               |               |               |               |               |               |               |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|   | <b>1990</b>   | <b>1995</b>   | <b>1996</b>   | <b>1997</b>   | <b>1998</b>   | <b>1999</b>   | <b>2000</b>   |
| <b>OIC-LDC</b>                          | 7227          | 10842         | 11757         | 12494         | 12865         | 14136         | 16615         |
| <b>OIC-MIC</b>                          | 95250         | 176994        | 188489        | 197381        | 188041        | 198893        | 228511        |
| <b>OIC-OEC</b>                          | 162276        | 159003        | 198512        | 213737        | 171674        | 202381        | 227559        |
| <b>OIC-TC</b>                           | 4954          | 11676         | 14243         | 12735         | 11170         | 12360         | 18200         |
| <b>OIC</b>                              | <b>269707</b> | <b>358515</b> | <b>413001</b> | <b>436348</b> | <b>383750</b> | <b>427770</b> | <b>490885</b> |
| % of world                              | 7.7%          | 7.0%          | 7.7%          | 7.9%          | 7.0%          | 7.6%          | 8.1%          |
| Developed Countries                     | 2687114       | 3742144       | 3867573       | 3956165       | 3994238       | 4073258       | 4215612       |
| Developing Countries                    | 808341        | 1368742       | 1474725       | 1582720       | 1470879       | 1575841       | 1863983       |
| World                                   | 3495455       | 5110886       | 5342298       | 5538885       | 5465116       | 5649099       | 6079596       |
| <b>MERCHANDISE IMPORTS (Million \$)</b> |               |               |               |               |               |               |               |
|   | <b>1990</b>   | <b>1995</b>   | <b>1996</b>   | <b>1997</b>   | <b>1998</b>   | <b>1999</b>   | <b>2000</b>   |
| <b>OIC-LDC</b>                          | 14386         | 17176         | 19035         | 20076         | 21212         | 21125         | 22007         |
| <b>OIC-MIC</b>                          | 114526        | 213559        | 230035        | 237085        | 198585        | 196598        | 236406        |
| <b>OIC-OEC</b>                          | 93469         | 117822        | 119709        | 133529        | 138438        | 140208        | 149335        |
| <b>OIC-TC</b>                           | 3959          | 10620         | 13594         | 12881         | 12105         | 11723         | 13276         |
| <b>OIC</b>                              | <b>226339</b> | <b>359177</b> | <b>382373</b> | <b>403571</b> | <b>370339</b> | <b>369654</b> | <b>421023</b> |
| % of world                              | 6.3%          | 7.0%          | 7.1%          | 7.2%          | 6.7%          | 6.5%          | 6.9%          |
| Developed Countries                     | 2829740       | 3703039       | 3854810       | 3960620       | 4076861       | 4218107       | 4317671       |
| % of world                              | 78.4%         | 71.9%         | 71.5%         | 71.0%         | 73.8%         | 73.7%         | 70.6%         |
| Developing Countries                    | 778139        | 1449839       | 1533474       | 1614924       | 1448967       | 1508152       | 1800375       |
| World                                   | 3607879       | 5152878       | 5388284       | 5575544       | 5525828       | 5726259       | 6118045       |

Source: FAO Database (FAOSTAT). Note: For OIC-TC countries (excluding Albania), 1992 data have been used for the year 1990.