



مركز الإحصاء - أبوظبي
STATISTICS CENTRE - ABU DHABI



Food Balance Sheet

of the Emirate of Abu Dhabi 2007/2008

March 2009

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Food Balance Sheet

1. Food Balance Sheet (the Emirate of Abu Dhabi)
2. Food Balance Sheet (Citizen Households)
3. Food Balance Sheet (Non-Citizen Households)
4. Food Balance Sheet (Collective Households)

2007/2008

Director of Agriculture & Environment

foreword

Statistics Centre – Abu Dhabi (SCAD) is pleased to provide decision and policy makers, businessmen, researchers and all the related people with the food Balance Sheet Bulletin 2007/2008.. The bulletin monitors indicators and evidences of the food security by household in the Emirate of Abu Dhabi during 2007/2008., under the wise leadership of H.H. Sheikh Khalifa Bin Zayed Al Nahyan – President of the UAE and Ruler of Abu Dhabi; in addition to the unlimited support of H.H. General Sheikh Mohammed Bin Zayed Al Nahyan – Crown Prince of Abu Dhabi, Deputy Supreme Commander of the Armed forces and Chairman of the Executive Council of Abu Dhabi.

The bulletin provides detailed and specialized tables on the food Balance Sheet 2007/2008., covering the quantity of food available and the per capita energy, proteins and fats by household, in addition to charts and executive summary containing the most important results.

Statistics Centre - Abu Dhabi is keen to follow the international standards of data collection and compilation. The Centre adopted the data and methodology of the Household Expenditure and Income Survey in order to build the food balance sheet model and to calculate the food available for consumption and the per capita energy, proteins and fats, in the Emirate of Abu Dhabi during a specified reference period.

The Statistics Centre – Abu Dhabi wishes to extend its thanks to all those who contributed to the success of this bulletin.

We are hopeful that the food Balance Sheet Bulletin of the Emirate of Abu Dhabi will contribute to achieve the food security requirements in the Emirate.

Kind Regards,

Butti Ahmed Mohammed Butti Al Qubaisi
Director – General

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Introduction

The food Balance Sheet is defined as the wide frame that includes the food pattern of the Emirate of Abu Dhabi during a specified period of time. The food and product groups (raw or after manufacturing) are classified by source. The food Balance Sheet provides important data, which is required to produce food indicators, help create development plans and contribute in achieving the food security of the Emirate by studying the food pattern of both individuals and households by type.

Creating the food Balance Sheet model depends on the data of food available for consumption by the households and the non-household sector, which includes the food services establishments. It also depends on the population estimates by type of household and the food structure tables.

The Household and Expenditure Survey provided data on the per capita food consumption by household. This data was used to calculate the quantities of food available for consumption by multiplying the per capita food consumption for each good by the total population.

The food balance sheet provides a comprehensive background on the level of food security of individuals in term of the quantity available for consumption from both animal and Plant Products. It evaluates the food situation of the population on the Emirate level and by type of household.

The food balance sheet provides data on the quantity of food available and the daily per capita calories, proteins and fats. It offers food policy makers a comprehensive and clear vision of the current situation, including agricultural policies, food pattern and its relationship to the food security.

The food balance sheet model of Abu Dhabi is structured according to the international standards published in the FAO manual for the preparation of the food balance sheet 1949 and its amendments. In order to obtain accurate results, calculations and scientific equations were done adopting the latest methodologies of producing food balance sheet.

Objective of the Study

- A. Provide data on the per capita distribution of calories, proteins and fats.
- B. Provide data on the quantity of food available for consumption.
- C. Determine the food pattern of Abu Dhabi by type of household and the quantity of food available.

Data Processing and Results Extracting

1. Office Processing

After the collection stage, data was processed and classified into food groups by source, either from plant or animal sources. The food groups included more than 200 food items of plant and animal sources. Data was classified and processed to include all the households in the Emirate of Abu Dhabi, Private National, Private non-national and collective households.

2. Electronic Processing

Data was entered into the computer according to its international classification through a preset program. It was then audited to remove all mistakes.

3. Tabulation and Dissemination of Results

After the data entry, data was audited in accordance with the matching rules and tabulated in tables, which are specially-designed for this purpose by food group. The initial tables were extracted by type of household. Tables were audited to ensure consistency and remove all mistakes.

Main Indicators

The bulletin included many statistical tables, which contain data of Abu Dhabi, National, non-national and collective households according to the methodology of the Household Expenditure and Income Survey 2007/2008.. Some key indicators are presented in the table below:

1. food Balance Sheet (the Emirate of Abu Dhabi)

Indicator	
Per capita per day of:	
a. energy (calorie)	3143.6
b. protein (g)	106.9
c. fats (g)	76.6
d. food (kg/yr)	632.7
Percentage of energy (calorie) resulted from the vegetative goods and its products.	81.2
Percentage of energy (calorie) resulted from the animal goods and its products.	18.8
Percentage of protein (g) resulted from the vegetative goods and its products.	63.6
Percentage of protein (g) resulted from the animal goods and its products.	36.4
Percentage of fats (g) resulted from the vegetative goods and its products.	45.2
Percentage of fats (g) resulted from the animal goods and its products.	54.8

2. food Balance Sheet (Citizen Households)

Indicator	
Per capita per day of:	
a. energy (calorie)	3216.7
b. protein (g)	112.2
c. fats (g)	90.1
d. food (kg/yr)	657.4
Percentage of energy (calorie) resulted from the vegetative goods and its products.	76.5
Percentage of energy (calorie) resulted from the animal goods and its products.	23.5
Percentage of protein (g) resulted from the vegetative goods and its products.	58
Percentage of protein (g) resulted from the animal goods and its products.	42
Percentage of fats (g) resulted from the vegetative goods and its products.	41.6
Percentage of fats (g) resulted from the animal goods and its products.	58.4

3. food Balance Sheet (non-Citizen Households)

Indicator	
Per capita per day of:	
a. energy (calorie)	3080.6
b. protein (g)	104.3
c. fats (g)	75.7
d. food (kg/yr)	629.7
Percentage of energy (calorie) resulted from the vegetative goods and its products.	82.8
Percentage of energy (calorie) resulted from the animal goods and its products.	17.2
Percentage of protein (g) resulted from the vegetative goods and its products.	68.3
Percentage of protein (g) resulted from the animal goods and its products.	31.7
Percentage of fats (g) resulted from the vegetative goods and its products.	52.2
Percentage of fats (g) resulted from the animal goods and its products.	47.8

4. food Balance Sheet (Collective Households)

Indicator	
Per capita per day of:	
a. energy (calorie)	2999.5
b. protein (g)	97.1
c. fats (g)	58.9
d. food (kg/yr)	570.1
Percentage of energy (calorie) resulted from the vegetative goods and its products.	85
Percentage of energy (calorie) resulted from the animal goods and its products.	15
Percentage of protein (g) resulted from the vegetative goods and its products.	67.4
Percentage of protein (g) resulted from the animal goods and its products.	32.6
Percentage of fats (g) resulted from the vegetative goods and its products.	50.4
Percentage of fats (g) resulted from the animal goods and its products.	

1. food Balance Sheet

the Emirate of Abu Dhabi

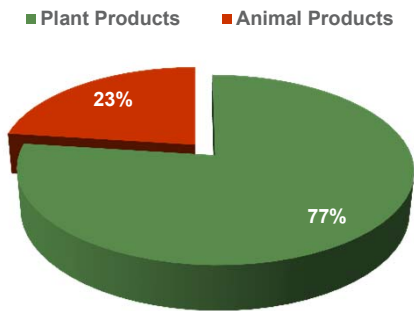
.2007/2008

Table 1.1: Quantity of food available for consumption and per capita energy, proteins and fats, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Grand Total	824,476	632.7	3,143.6	106.9	76.6
Plant Products	635,107	487.4	2,552.2	68.1	34.7
Animal Products	189,369	145.3	591.4	38.9	42.0
Total	824,476	632.7	3,143.6	106.9	76.6
Cereals and Products	319,164	244.9	1,851.2	55.6	10.2
Starchy Roots	22,934	17.6	38.0	0.6	0.1
Sugar and Sweeteners	24,629	18.9	198.5	0.0	0.0
Pulses	8,800	6.7	49.2	4.4	0.3
Nuts	1,579	1.2	8.9	0.3	0.9
Oil Crops	2,861	2.2	17.9	0.7	1.5
Vegetable Oils	9,249	7.1	149.6	0.0	17.1
Vegetables	129,788	99.6	79.3	3.5	0.2
Fruits and Products	75,839	58.2	82.3	1.0	0.5
Stimulants	8,470	6.5	36.3	1.3	2.9
Spices	3,256	2.5	23.6	0.7	0.9
Non Alcoholic Beverages	28,538	21.9	17.4	0.0	0.0
Animal Meats	76,364	58.6	285.7	21.4	24.4
Offals	1,128	0.9	2.8	0.4	0.1
Animal Fats	2,658	2.0	39.5	0.0	4.3
Milk	29,711	22.8	48.7	2.2	3.2
Milk Products	51,083	39.2	155.9	7.9	6.7
Eggs	8,879	6.8	26.5	2.0	1.9
Sea Foods	19,546	15.0	32.3	5.0	1.2

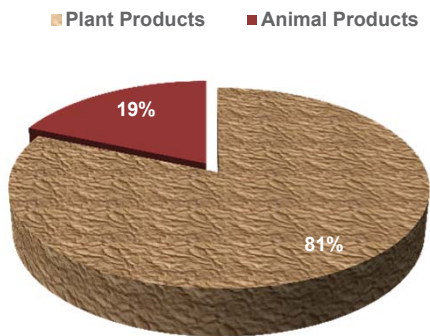
Source: Statistics Centre - Abu Dhabi

Figure 1.1: Percentage distribution of quantity of food available for consumption, the Emirate of Abu Dhabi, 2007/2008.



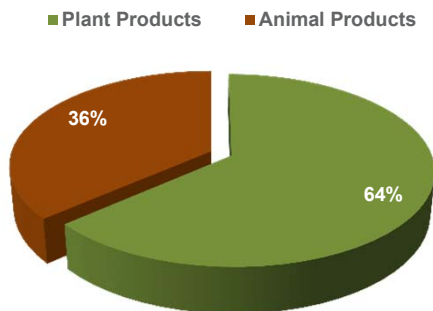
Source: Statistics Centre - Abu Dhabi

Figure 1.2: Percentage distribution of calories , the Emirate of Abu Dhabi, 2007/2008.



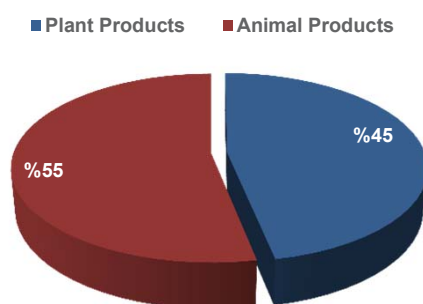
Source: Statistics Centre - Abu Dhabi

Figure 1.3: Percentage distribution of proteins , the Emirate of Abu Dhabi, 2007/2008.



Source: Statistics Centre - Abu Dhabi

Figure 1.4: Percentage distribution of fats, the Emirate of Abu Dhabi, 2007/2008.



Source: Statistics Centre - Abu Dhabi

Table 1.2: Quantity of food available for consumption and per capita energy, proteins and fats from cereals and products, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	319,164	244.9	1,851.2	55.6	10.2
Wheat products	239,269	183.6	1,282.2	43.4	7.9
Rice	74,277	57.0	519.4	11.1	1.1
Maize products	261	0.2	2.0	0.0	0.0
Others	5,357	4.1	47.6	1.1	1.2

Source: Statistics Centre - Abu Dhabi

Table 1.3: Quantity of food available for consumption and per capita energy, proteins and fats from starchy roots and products, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	22,934	17.6	38.0	0.6	0.1
Potatoes	17,592	13.5	27.7	0.4	0.1
Sweet Potatoes	912	0.7	1.8	0.0	0.0
Others	4,430	3.4	8.5	0.1	0.0

Source: Statistics Centre - Abu Dhabi

Table 1.4: Quantity of food available for consumption and per capita energy, proteins and fats from sugar and sweeteners, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	24,629	18.9	198.5	0.0	0.0
Sugar	23,847	18.3	194.0	0.0	0.0
Sweeteners	261	0.2	1.3	0.0	0.0
Honey	521	0.4	3.2	0.0	0.0

Source: Statistics Centre - Abu Dhabi

Table 1.5: Quantity of food available for consumption and per capita energy, proteins and fats from pulses, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	8,800	6.7	49.2	4.4	0.3
Beans	391	0.3	2.8	0.2	0.0
Chick Peas	652	0.5	4.9	0.3	0.0
Lentils	2,997	2.3	22.3	1.6	0.1
Broad Beans	670	0.5	4.7	0.3	0.0
Others	4,090	3.1	14.5	2.0	0.2

Source: Statistics Centre - Abu Dhabi

Table 1.6: Quantity of food available for consumption and per capita energy, proteins and fats from nuts, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	1,579	1.2	8.9	0.3	0.9
Almonds	130	0.1	0.6	0.0	0.1
Pistachios	145	0.1	0.8	0.0	0.1
Chashew Nuts	132	0.1	0.7	0.0	0.1
Others	1,172	0.9	6.8	0.2	0.6

Source: Statistics Centre - Abu Dhabi

Table 1.7: Quantity of food available for consumption and per capita energy, proteins and fats from oil crops and products, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	2,861	2.2	17.9	0.7	1.5
Soybeans	196	0.2	1.4	0.2	0.1
Groundnuts	130	0.1	1.5	0.1	0.1
Sunflower Seed	287	0.2	1.9	0.1	0.2
Coconuts	652	0.5	2.5	0.0	0.2
Sesame Seed	208	0.2	2.6	0.1	0.2
Olive, Preserved	997	0.8	2.3	0.0	0.2
Others	391	0.3	5.7	0.2	0.5

Source: Statistics Centre - Abu Dhabi

Table 1.8: Quantity of food available for consumption and per capita energy, proteins and fats from vegetable oils and products, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	9,249	7.1	149.6	0.0	17.1
Soybeans Oil	2,215	1.7	41.2	0.0	4.7
Sunflower Seed Oil	652	0.5	12.1	0.0	1.4
Sesame Seed Oil	205	0.2	3.8	0.0	0.4
Olive Oil	964	0.7	17.9	0.0	2.0
Maize Germ Oil	3,127	2.4	49.1	0.0	5.6
Others	2,086	1.6	25.5	0.0	3.1

Source: Statistics Centre - Abu Dhabi

Table 1.9: Quantity of food available for consumption and per capita energy, proteins and fats from vegetables and products, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	129,788	99.6	79.3	3.5	0.2
Tomatoes	32,838	25.2	12.4	0.7	0.1
Cucumbers	10,555	8.1	3.8	0.2	0.0
Squash	5,343	4.1	3.5	0.1	0.0
Eggplants	3,518	2.7	2.1	0.1	0.0
Cauliflower	1,303	1.0	0.4	0.0	0.0
Cabbages	2,215	1.7	0.7	0.0	0.0
Peppers	3,649	2.8	1.3	0.1	0.0
Onion, dry	21,762	16.7	19.2	0.6	0.1
Carrots	3,779	2.9	2.9	0.1	0.0
Beans, green	1,564	1.2	2.0	0.1	0.0
Watermelons	10,555	8.1	2.9	0.0	0.0
Sweet Melons	2,476	1.9	1.5	0.0	0.0
Okra	1,824	1.4	1.2	0.1	0.0
Others	28,407	21.8	25.4	1.4	0.0

Source: Statistics Centre - Abu Dhabi

Table 1.10: Quantity of food available for consumption and per capita energy, proteins and fats for fruits and products, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	75,839	58.2	82.3	1.0	0.5
Oranges	15,507	11.9	9.5	0.2	0.1
Lemons	4,300	3.3	1.6	0.0	0.0
Grapefruit and Pummelors	261	0.2	0.1	0.0	0.0
Other Citrus Fruit	1,303	1.0	0.9	0.0	0.0
Bananas	12,901	9.9	13.3	0.3	0.1
Apples	12,509	9.6	10.9	0.1	0.1
Pears	1,173	0.9	1.4	0.0	0.0
Apricots	391	0.3	0.4	0.0	0.0
Grapes	4,170	3.2	5.9	0.1	0.0
Mangoes	4,952	3.8	4.7	0.0	0.0
Guava	782	0.6	1.3	0.0	0.0
Kiwi Fruit	1,173	0.9	1.3	0.0	0.0
Others	16,417	12.6	31.1	0.3	0.2

Source: Statistics Centre - Abu Dhabi

Table 1.11: Quantity of food available for consumption and per capita energy, proteins and fats from stimulants, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	8,470	6.5	36.3	1.3	2.9
Coffee	1,824	1.4	2.1	0.3	0.0
Cocoa Beans	3,909	3.0	31.9	0.4	2.9
Tea	2,737	2.1	2.3	0.6	0.0

Source: Statistics Centre - Abu Dhabi

Table 1.12: Quantity of food available for consumption and per capita energy, proteins and fats from Spices, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	3,256	2.5	23.6	0.7	0.9
Pepper	260	0.2	1.5	0.1	0.0
Cinnamon	130	0.1	0.7	0.0	0.0
Others	2,866	2.2	21.4	0.6	0.9

Source: Statistics Centre - Abu Dhabi

Table 1.13: Quantity of food available for consumption and per capita energy, proteins and fats from non-alcoholic beverages, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Non-Alcoholic Beverages	28,538	21.9	17.4	0.0	0.0

Source: Statistics Centre - Abu Dhabi

Table 1.14: Quantity of food available for consumption and per capita energy, proteins and fats from animal meats, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	76,364	58.6	285.7	21.4	24.4
Beef	10,556	8.1	45.1	3.2	4.4
Mutton and Goat Meats	28,669	22.0	140.5	8.1	13.7
Chicken Meats	36,227	27.8	96.7	9.9	6.0
Others	912	0.7	3.3	0.2	0.3

Source: Statistics Centre - Abu Dhabi

Table 1.15: Quantity of food available for consumption and per capita energy, proteins and fats from offals, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Offals	1,128	0.9	2.8	0.4	0.1

Source: Statistics Centre - Abu Dhabi

Table 1.16: Quantity of food available for consumption and per capita energy, proteins and fats from animal fats, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	2,658	2.0	39.5	0.0	4.3
Butter, Ghee	912	0.7	14.2	0.0	1.6
Cream	521	0.4	2.1	0.0	0.2
Raw animals fats	1,225	0.9	23.2	0.0	2.5

Source: Statistics Centre - Abu Dhabi

Table 1.17: Quantity of food available for consumption and per capita energy, proteins and fats from milk, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Fresh Milk	29,711	22.8	48.7	2.2	3.2

Source: Statistics Centre - Abu Dhabi

Table 1.18: Quantity of food available for consumption and per capita energy, proteins and fats from milk products, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	51,083	39.2	155.9	7.9	6.7
Yoghurt	24,108	18.5	30.9	1.8	1.7
Yogurt	782	0.6	1.3	0.1	0.0
Cheese	6,385	4.9	13.8	1.7	0.6
Dry Whole Milk	4,952	3.8	52.8	2.7	2.9
Others	14,856	11.4	57.2	1.7	1.5

Source: Statistics Centre - Abu Dhabi

Table 1.19: Quantity of food available for consumption and per capita energy, proteins and fats from eggs, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Table Eggs	8,879	6.8	26.5	2.0	1.9

Source: Statistics Centre - Abu Dhabi

Table 1.20: Quantity of food available for consumption and per capita energy, proteins and fats of sea foods, the Emirate of Abu Dhabi, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	19,546	15.0	32.3	5.0	1.2
Fish	18,764	14.4	31.5	4.8	1.2
Crustaceans and Cephalopods	782	0.6	0.8	0.2	0.0

Source: Statistics Centre - Abu Dhabi

2. food Balance Sheet

Citizen Households

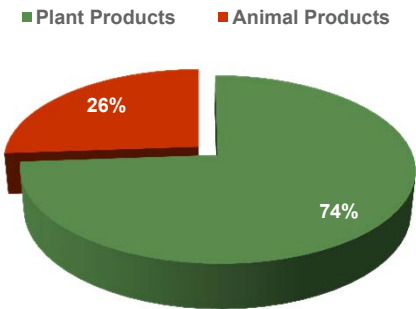
2007/2008

Table 2.1: Quantity of food available for consumption and per capita energy, proteins and fats for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Grand Total	352,965.7	657.4	3,216.7	112.2	90.1
Plant Products	260,722.0	485.6	2,461.8	65.1	37.5
Animal Products	92,243.7	171.8	754.9	47.1	52.6
Total	352,965.7	657.4	3,216.7	112.2	90.1
Cereals and Products	128,792.0	239.8	1,702.3	54.1	9.8
Starchy Roots	9,228.0	17.2	37.3	0.6	0.1
Sugar and Sweeteners	12,393.0	23.1	222.1	0.0	0.0
Pulses	2,601.0	4.8	45.5	3.1	0.2
Nuts	714.0	1.3	9.8	0.3	1.0
Oil Crops	986.0	1.9	16.4	0.7	1.4
Vegetable Oils	3,846.0	7.2	163.1	0.0	19.7
Vegetables	46,841.0	87.2	68.8	3.0	0.4
Fruits and Products	36,237.0	67.5	103.3	1.3	0.6
Stimulants	3,901.0	7.3	39.4	1.4	3.1
Spices	1,448.0	2.7	26.6	0.7	1.2
Non Alcoholic Beverages	13,735.0	25.6	27.3	0.0	0.0
Animal Meats	41,204.0	76.7	419.1	28.2	33.2
Offals	332.0	0.6	2.0	0.3	0.1
Animal Fats	1,250.0	2.3	42.8	0.1	4.7
Milk	12,942.0	24.1	51.5	2.4	3.4
Milk Products	24,552.0	45.7	177.5	9.1	7.8
Eggs	4,235.0	7.9	30.7	2.3	2.2
Sea Foods	7,728.7	14.4	31.3	4.7	1.2

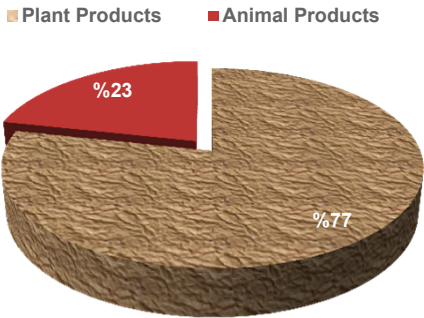
Source: Statistics Centre - Abu Dhabi

Figure 2.1: Percentage distribution of quantity of food available for consumption for citizen households, 2007/2008.



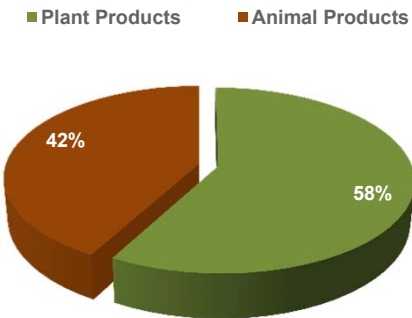
Source: Statistics Centre - Abu Dhabi

Figure 2.2: Percentage distribution of calories for citizen households, 2007/2008.



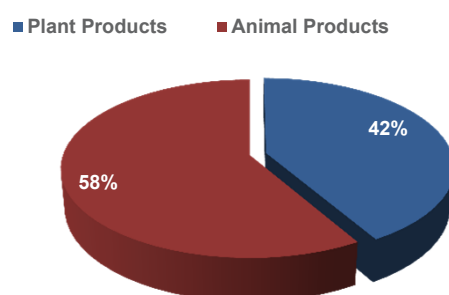
Source: Statistics Centre - Abu Dhabi

Figure 2.3: Percentage distribution of proteins for citizen households, 2007/2008.



Source: Statistics Centre - Abu Dhabi

Figure 2.4: Percentage distribution of fats for citizen households, 2007/2008.



Source: Statistics Centre - Abu Dhabi

Table 2.2: Quantity of food available for consumption and per capita energy, proteins and fats from cereals and products for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	128,792	239.8	1,702.3	54.1	9.8
Wheat products	91,175	169.8	1,038.0	40.3	7.3
Rice	35,410	65.9	636.2	12.8	1.3
Maize products	107	0.2	2.0	0.0	0.0
Others	2,100	3.9	26.1	1.0	1.2

Source: Statistics Centre - Abu Dhabi

Table 2.3: quantity of food available for consumption and per capita energy, proteins and fats from starchy roots and products for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	9,228	17.2	37.3	0.6	0.1
Potatoes	6,921	12.9	26.5	0.4	0.1
Sweet Potatoes	376	0.7	1.8	0.0	0.0
Others	1,931	3.6	9.0	0.2	0.0

Source: Statistics Centre - Abu Dhabi

Table 2.4: Quantity of food available for consumption and per capita energy, proteins and fats from sugar and sweeteners for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	12,393	23.1	222.1	0.0	0.0
Sugar	11,964	22.3	216.2	0.0	0.0
Sweeteners	191	0.3	1.9	0.0	0.0
Honey	268	0.5	4.0	0.0	0.0

Source: Statistics Centre - Abu Dhabi

Table 2.5: Quantity of food available for consumption and per capita energy, proteins and fats from Pulses for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	2,601	4.8	45.5	3.1	0.2
Beans	215	0.4	3.7	0.2	0.0
Chick Peas	268	0.5	4.9	0.3	0.0
Lentils	483	0.9	8.7	0.6	0.0
Broad Beans	240	0.4	3.8	0.3	0.0
Others	1,395	2.6	24.4	1.7	0.1

Source: Statistics Centre - Abu Dhabi

Table 2.6: Quantity of food available for consumption and per capita energy, proteins and fats from nuts for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	714	1.3	9.8	0.3	1.0
Almonds	54	0.1	0.7	0.0	0.1
Pistachios	65	0.1	0.8	0.0	0.1
Chashew Nuts	58	0.1	0.7	0.0	0.1
Others	537	1.0	7.6	0.2	0.7

Source: Statistics Centre - Abu Dhabi

Table 2.7: Quantity of food available for consumption and per capita energy, proteins and fats from oil crops and products for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	986	1.9	16.4	0.7	1.4
Soybeans	85	0.2	1.5	0.2	0.1
Groundnuts	54	0.1	1.5	0.1	0.1
Sunflower Seed	107	0.2	1.7	0.1	0.1
Coconuts	107	0.2	1.0	0.0	0.1
Sesame Seed	96	0.2	2.9	0.1	0.3
Olive, Preserved	376	0.7	2.1	0.0	0.2
Others	161	0.3	5.7	0.2	0.5

Source: Statistics Centre - Abu Dhabi

Table 2.8: Quantity of food available for consumption and per capita energy, proteins and fats from vegetable oils and products for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	3,846	7.2	163.1	0.0	19.7
Soybeans Oil	895	1.7	40.4	0.0	4.6
Sunflower Seed Oil	191	0.4	8.6	0.0	1.0
Sesame Seed Oil	109	0.2	4.9	0.0	0.6
Olive Oil	436	0.8	19.7	0.0	2.2
Maize Germ Oil	1,396	2.6	52.0	0.0	7.1
Others	819	1.5	37.6	0.0	4.2

Source: Statistics Centre - Abu Dhabi

Table 2.9: Quantity of food available for consumption and per capita energy, proteins and fats from vegetables and products for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	46,841	87.2	68.8	3.0	0.4
Tomatoes	11,857	22.1	10.9	0.6	0.1
Cucumbers	4,078	7.6	3.5	0.1	0.0
Squash	1,717	3.2	2.7	0.1	0.0
Eggplants	1,127	2.1	1.7	0.1	0.0
Cauliflower	376	0.7	0.3	0.0	0.0
Cabbages	751	1.4	0.6	0.0	0.0
Peppers	1,341	2.5	1.2	0.1	0.0
Onion, dry	7,404	13.8	15.9	0.5	0.1
Carrots	1,824	3.4	3.4	0.1	0.0
Beans, green	537	1.0	1.7	0.1	0.0
Watermelons	4,399	8.2	2.9	0.0	0.0
Sweet Melons	1,341	2.5	1.9	0.0	0.0
Okra	483	0.9	0.8	0.0	0.0
Others	9,606	17.9	21.3	1.1	0.2

Source: Statistics Centre - Abu Dhabi

Table 2.10: Quantity of food available for consumption and per capita energy, proteins and fats for fruits and products for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	36,237	67.5	103.3	1.3	0.6
Oranges	7,458	13.9	11.0	0.3	0.1
Lemons	2,092	3.9	1.9	0.1	0.0
Grapefruit and Pummelors	107	0.2	0.1	0.0	0.0
Other Citrus Fruit	634	1.2	1.1	0.0	0.0
Bananas	5,472	10.2	16.8	0.3	0.1
Apples	5,204	9.7	13.0	0.1	0.1
Pears	634	1.2	1.8	0.0	0.0
Apricots	215	0.4	0.5	0.0	0.0
Grapes	2,200	4.1	7.5	0.1	0.0
Mangoes	2,200	4.1	5.1	0.0	0.0
Guava	376	0.7	1.5	0.0	0.0
Kiwi Fruit	698	1.3	1.5	0.0	0.0
Others	8,947	16.7	41.5	0.4	0.3

Source: Statistics Centre - Abu Dhabi

Table 2.11: Quantity of food available for consumption and per capita energy, proteins and fats from stimulants for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	3,901	7.3	39.4	1.4	3.1
Coffee	1,218	2.3	3.3	0.5	0.0
Cocoa Beans	1,717	3.2	34.1	0.4	3.1
Tea	966	1.8	2.0	0.5	0.0

Source: Statistics Centre - Abu Dhabi

Table 2.12: Quantity of food available for consumption and per capita energy, proteins and fats from Spices for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	1,448	2.7	26.6	0.7	1.2
Pepper	58	0.1	0.8	0.0	0.0
Cinnamon	54	0.1	0.7	0.0	0.0
Others	1,336	2.5	25.1	0.7	1.2

Source: Statistics Centre - Abu Dhabi

Table 2.13: Quantity of food available for consumption and per capita energy, proteins and fats from non-alcoholic beverages for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Non-Alcoholic Beverages	13,735	25.6	27.3	0.0	0.0

Source: Statistics Centre - Abu Dhabi

Table 2.14: Quantity of food available for consumption and per capita energy, proteins and fats from animal meats for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	41,204	76.7	419.1	28.2	33.2
Beef	3,327	6.2	42.1	2.5	3.5
Mutton and Goat Meats	18,671	34.8	250.5	12.9	21.7
Chicken Meats	18,348	34.2	118.9	12.2	7.4
Others	858	1.6	7.6	0.6	0.6

Source: Statistics Centre - Abu Dhabi

Table 2.15: Quantity of food available for consumption and per capita energy, proteins and fats from offals for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Offals	332	0.6	2.0	0.3	0.1

Source: Statistics Centre - Abu Dhabi

Table 2.16: Quantity of food available for consumption and per capita energy, proteins and fats from animal fats for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	1,250	2.3	42.8	0.1	4.7
Butter, Ghee	372	0.7	14.0	0.0	1.6
Cream	322	0.6	3.2	0.0	0.3
Raw animals fats	556	1.0	25.6	0.0	2.8

Source: Statistics Centre - Abu Dhabi

Table 2.17: Quantity of food available for consumption and per capita energy, proteins and fats from milk for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Fresh Milk	12,942	24.1	51.5	2.4	3.4

Source: Statistics Centre - Abu Dhabi

Table 2.18: Quantity of food available for consumption and per capita energy, proteins and fats from milk products for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	24,552	45.7	177.5	9.1	7.8
Yoghurt	12,314	22.9	38.3	2.2	2.1
Yogurt	322	0.6	1.3	0.1	0.0
Cheese	3,004	5.6	15.8	1.9	0.7
Dry Whole milk	2,307	4.3	59.7	3.1	3.3
Others	6,605	12.3	62.4	1.8	1.7

Source: Statistics Centre - Abu Dhabi

Table 2.19: Quantity of food available for consumption and per capita energy, proteins and fats from eggs for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Table Eggs	4,235	7.9	30.7	2.3	2.2

Source: Statistics Centre - Abu Dhabi

Table.2.20: Quantity of food available for consumption and per capita energy, proteins and fats of sea foods for citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	7,729	14.4	31.3	4.7	1.2
Fish	7,300	13.6	30.3	4.5	1.2
Crustaceans and Cephalopods	429	0.8	1.0	0.2	0.0

Source: Statistics Centre - Abu Dhabi

3. Food Balance Sheet

Non-Citizen Households

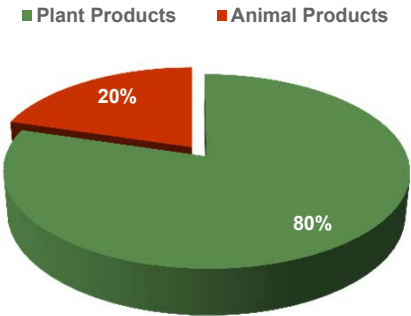
2007/2008

Table 3.1: Quantity of food available for consumption and per capita energy, proteins and fats for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Grand Total	331,206	629.7	3,080.6	104.3	75.7
Plant Products	263,803	501.5	2,549.6	71.3	39.5
Animal Products	67,403	128.1	531.0	33.0	36.2
Total	331,206	629.7	3,080.6	104.3	75.7
Cereals and Products	134,078	254.9	1,833.4	57.9	11.5
Starchy Roots	9,153	17.4	38.1	0.6	0.1
Sugar and Sweeteners	7,576	14.4	151.2	0.0	0.0
Pulses	4,172	7.9	75.9	5.2	0.4
Nuts	1,001	1.9	15.1	0.5	1.4
Oil Crops	1,543	2.9	21.7	0.6	1.9
Vegetable Oils	3,760	7.1	157.9	0.0	18.6
Vegetables	53,093	100.9	80.1	3.6	0.5
Fruits and Products	31,739	60.3	90.0	1.0	0.6
Stimulants	3,638	6.9	45.3	1.2	3.8
Spices	1,107	2.1	19.7	0.7	0.8
Non Alcoholic Beverages	12,943	24.6	21.3	0.0	0.0
Animal Meats	23,095	43.9	221.6	16.3	18.4
Offals	570	1.1	3.5	0.4	0.2
Animal Fats	1,177	2.2	43.4	0.1	4.7
Milk	11,940	22.7	48.5	2.2	3.2
Milk Products	20,368	38.7	161.2	7.9	6.8
Eggs	3,307	6.3	24.5	1.8	1.8
Sea Foods	6,946	13.2	28.3	4.3	1.1

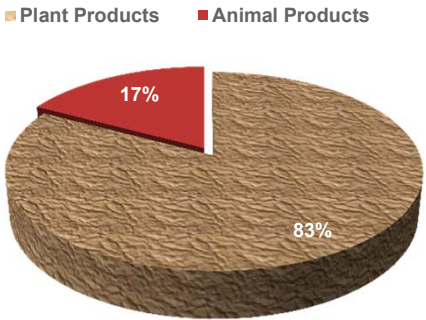
Source: Statistics Centre - Abu Dhabi

Figure 3.1: Percentage distribution of quantity of food available for consumption for non-citizen households, 2007/2008.



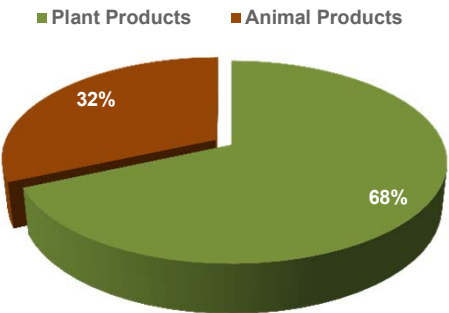
Source: Statistics Centre - Abu Dhabi

Figure 3.2: Percentage distribution of calories for non-citizen households, 2007/2008.



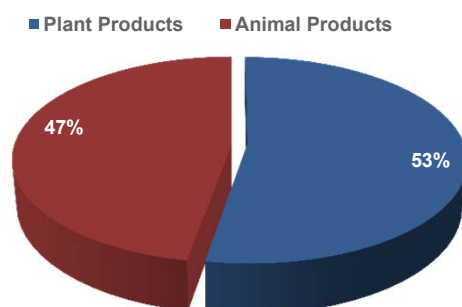
Source: Statistics Centre - Abu Dhabi

Figure 3.3: Percentage distribution of proteins for non-citizen households, 2007/2008.



Source: Statistics Centre - Abu Dhabi

Figure 3.4: Percentage distribution of fats for non-citizen households, 2007/2008.



Source: Statistics Centre - Abu Dhabi

Table 3.2: Quantity of food available for consumption and per capita energy, proteins and fats from cereals and products for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	134,078	254.9	1,833.4	57.9	11.5
Wheat products	108,025	205.4	1,342.3	47.9	9.0
Rice	22,995	43.7	424.4	8.5	0.8
Maize products	105	0.2	2.0	0.0	0.0
Others	2,953	5.6	64.7	1.5	1.7

Source: Statistics Centre - Abu Dhabi

Table 3.3: quantity of food available for consumption and per capita energy, proteins and fats from starchy roots and products for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	9,153	17.4	38.1	0.6	0.1
Potatoes	6,417	12.2	25.1	0.4	0.1
Sweet Potatoes	421	0.8	2.0	0.0	0.0
Others	2,315	4.4	11.0	0.2	0.0

Source: Statistics Centre - Abu Dhabi

Table 3.4: Quantity of food available for consumption and per capita energy, proteins and fats from sugar and sweeteners for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	7,576	14.4	151.2	0.0	0.0
Sugar	7,313	13.9	147.4	0.0	0.0
Sweeteners	63	0.1	0.6	0.0	0.0
Honey	210	0.4	3.2	0.0	0.0

Source: Statistics Centre - Abu Dhabi

Table 3.5: Quantity of food available for consumption and per capita energy, proteins and fats from Pulses for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	4,172	7.9	75.9	5.2	0.4
Beans	158	0.3	2.8	0.2	0.0
Chick Peas	263	0.5	4.9	0.3	0.0
Lentils	2,015	3.8	37.2	2.6	0.2
Broad Beans	263	0.5	4.7	0.3	0.0
Others	1,473	2.8	26.3	1.8	0.2

Source: Statistics Centre - Abu Dhabi

Table 3.6: Quantity of food available for consumption and per capita energy, proteins and fats from nuts for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	1,001	1.9	15.1	0.5	1.4
Almonds	105	0.2	1.3	0.0	0.1
Pistachios	105	0.2	1.6	0.1	0.1
Chashew Nuts	53	0.1	0.7	0.0	0.1
Others	738	1.4	11.5	0.4	1.1

Source: Statistics Centre - Abu Dhabi

Table 3.7: Quantity of food available for consumption and per capita energy, proteins and fats from oil crops and products for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	1,543	2.9	21.7	0.6	1.9
Soybeans	58	0.1	1.0	0.1	0.1
Groundnuts	53	0.1	1.5	0.1	0.1
Sunflower Seed	95	0.2	1.5	0.1	0.1
Coconuts	474	0.9	4.5	0.0	0.4
Sesame Seed	74	0.1	2.3	0.1	0.2
Olive, Preserved	579	1.1	3.3	0.0	0.3
Others	210	0.4	7.6	0.2	0.7

Source: Statistics Centre - Abu Dhabi

Table 3.8: Quantity of food available for consumption and per capita energy, proteins and fats from vegetable oils and products for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	3,760	7.1	157.9	0.0	18.6
Soybeans Oil	867	1.6	39.9	0.0	4.5
Sunflower Seed Oil	346	0.7	15.9	0.0	1.8
Sesame Seed Oil	73	0.1	3.4	0.0	0.4
Olive Oil	397	0.8	18.3	0.0	2.1
Maize Germ Oil	1,235	2.3	48.9	0.0	6.4
Others	842	1.6	31.5	0.0	3.4

Source: Statistics Centre - Abu Dhabi

Table 3.9: Quantity of food available for consumption and per capita energy, proteins and fats from vegetables and products for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	53,093	100.9	80.1	3.6	0.5
Tomatoes	12,364	23.5	11.6	0.6	0.1
Cucumbers	5,209	9.9	4.6	0.2	0.0
Squash	1,736	3.3	2.8	0.1	0.0
Eggplants	1,526	2.9	2.3	0.1	0.0
Cauliflower	631	1.2	0.5	0.0	0.0
Cabbages	1,000	1.9	0.8	0.1	0.0
Peppers	1,473	2.8	1.3	0.1	0.0
Onion, dry	7,892	15.0	17.3	0.6	0.1
Carrots	1,684	3.2	3.2	0.1	0.0
Beans, green	789	1.5	2.5	0.1	0.0
Watermelons	4,419	8.4	3.0	0.0	0.0
Sweet Melons	789	1.5	1.2	0.0	0.0
Okra	842	1.6	1.4	0.1	0.0
Others	12,739	24.2	27.6	1.5	0.2

Source: Statistics Centre - Abu Dhabi

Table 3.10: Quantity of food available for consumption and per capita energy, proteins and fats for fruits and products for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	31,739	60.3	90.0	1.0	0.6
Oranges	6,050	11.5	9.1	0.2	0.1
Lemons	1,841	3.5	1.7	0.0	0.0
Grapefruit and Pummelors	105	0.2	0.1	0.0	0.0
Other Citrus Fruit	579	1.1	1.0	0.0	0.0
Bananas	5,998	11.4	18.7	0.3	0.2
Apples	5,735	10.9	14.6	0.1	0.1
Pears	526	1.0	1.5	0.0	0.0
Apricots	210	0.4	0.5	0.0	0.0
Grapes	1,684	3.2	5.9	0.1	0.0
Mangoes	2,262	4.3	5.3	0.0	0.0
Guava	368	0.7	1.5	0.0	0.0
Kiwi Fruit	421	0.8	1.1	0.0	0.0
Others	5,960	11.3	29.0	0.3	0.2

Source: Statistics Centre - Abu Dhabi

Table 3.11: Quantity of food available for consumption and per capita energy, proteins and fats from stimulants for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	3,638	6.9	45.3	1.2	3.8
Coffee	536	1.0	1.5	0.2	0.0
Cocoa Beans	2,050	3.9	41.6	0.5	3.8
Tea	1,052	2.0	2.2	0.5	0.0

Source: Statistics Centre - Abu Dhabi

Table 3.12: Quantity of food available for consumption and per capita energy, proteins and fats from Spices for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	1,107	2.1	19.7	0.7	0.8
Pepper	106	0.2	1.5	0.1	0.0
Cinnamon	0	0.0	0.0	0.0	0.0
Others	1,001	1.9	18.2	0.6	0.8

Source: Statistics Centre - Abu Dhabi

Table 3.13: Quantity of food available for consumption and per capita energy, proteins and fats from non-alcoholic beverages for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Non-Alcoholic Beverages	12,943	24.6	21.3	0.0	0.0

Source: Statistics Centre - Abu Dhabi

Table 3.14: Quantity of food available for consumption and per capita energy, proteins and fats from animal meats for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	23,095	43.9	221.6	16.3	18.4
Beef	5,102	9.7	64.6	3.9	5.3
Mutton and Goat Meats	7,365	14.0	86.6	5.2	8.7
Chicken Meats	10,575	20.1	70.0	7.2	4.4
Others	53	0.1	0.5	0.0	0.0

Source: Statistics Centre - Abu Dhabi

Table 3.15: Quantity of food available for consumption and per capita energy, proteins and fats from offals for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Offals	570	1.1	3.5	0.4	0.2

Source: Statistics Centre - Abu Dhabi

Table 3.16: Quantity of food available for consumption and per capita energy, proteins and fats from animal fats for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	1,177	2.2	43.4	0.1	4.7
Butter, Ghee	474	0.9	18.2	0.0	2.0
Cream	210	0.4	2.1	0.0	0.2
Raw animals fats	493	0.9	23.1	0.0	2.5

Source: Statistics Centre - Abu Dhabi

Table 3.17: Quantity of food available for consumption and per capita energy, proteins and fats from milk for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Fresh Milk	11,940	22.7	48.5	2.2	3.2

Source: Statistics Centre - Abu Dhabi

Table 3.18: Quantity of food available for consumption and per capita energy, proteins and fats from milk products for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	20,368	38.7	161.2	7.9	6.8
Yoghurt	8,323	15.8	26.4	1.5	1.4
Yogurt	474	0.9	2.0	0.1	0.0
Cheese	2,946	5.6	15.8	1.8	0.7
Dry Whole milk	2,052	3.9	54.2	2.7	3.0
Others	6,573	12.5	62.8	1.8	1.7

Source: Statistics Centre - Abu Dhabi

Table 3.19: Quantity of food available for consumption and per capita energy, proteins and fats from eggs for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Table Eggs	3,307	6.3	24.5	1.8	1.8

Source: Statistics Centre - Abu Dhabi

Table 3.20: Quantity of food available for consumption and per capita energy, proteins and fats of sea foods for non-citizen households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	6,946	13.2	28.3	4.3	1.1
Fish	6,525	12.4	27.3	4.1	1.1
Crustaceans and Cephalopods	421	0.8	1.0	0.2	0.0

Source: Statistics Centre - Abu Dhabi

4. Food Balance Sheet

Collective Households

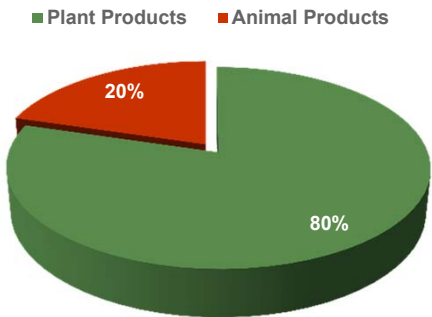
2007/2008

Table 4.1: Quantity of food available for consumption and per capita energy, proteins and fats for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Grand Total	136,845	570.1	2,999.5	97.1	58.9
Plant Products	108,950	453.9	2,550.8	65.4	29.7
Animal Products	27,895	116.2	448.7	31.7	29.2
Total	136,845	570.1	2,999.5	97.1	58.9
Cereals and Products	56,170	234.0	1,939.5	53.7	8.3
Starchy Roots	4,400	18.3	38.1	0.6	0.1
Sugar and Sweeteners	3,569	14.9	157.4	0.0	0.0
Pulses	1,497	6.2	59.1	4.1	0.3
Nuts	48	0.2	1.4	0.0	0.1
Oil Crops	374	1.6	15.6	0.5	1.4
Vegetable Oils	1,526	6.4	154.7	0.0	17.4
Vegetables	30,205	125.8	102.4	4.2	0.6
Fruits and Products	7,829	32.6	44.9	0.6	0.3
Stimulants	889	3.7	8.1	0.9	0.4
Spices	567	2.4	21.2	0.7	0.7
Non Alcoholic Beverages	1,876	7.8	8.4	0.0	0.0
Animal Meats	10,846	45.2	220.9	16.6	16.6
Offals	227	0.9	3.0	0.4	0.1
Animal Fats	272	1.1	24.9	0.0	2.7
Milk	4,024	16.8	35.8	1.7	2.4
Milk Products	6,349	26.4	100.8	4.9	4.3
Eggs	1,320	5.5	21.4	1.6	1.5
Sea Foods	4,857	20.2	41.9	6.5	1.6

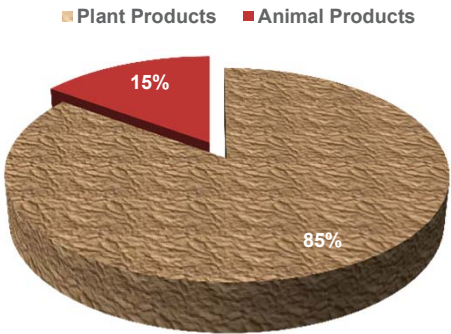
Source: Statistics Centre - Abu Dhabi

Figure 4.1: Percentage distribution of quantity of food available for consumption for collective households, 2007/2008.



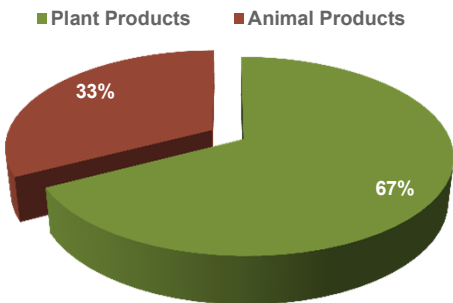
Source: Statistics Centre - Abu Dhabi

Figure 4.2: Percentage distribution of calories for collective households, 2007/2008.



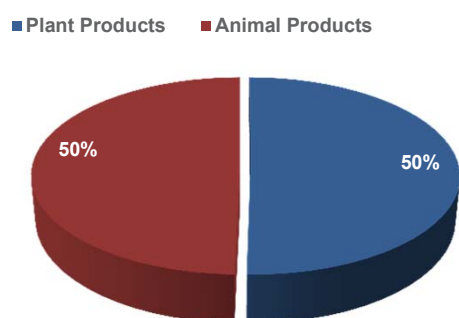
Source: Statistics Centre - Abu Dhabi

Figure 4.3: Percentage distribution of protein for collective households, 2007/2008.



Source: Statistics Centre - Abu Dhabi

Figure 4.4: Percentage distribution of fats for collective households, 2007/2008.



Source: Statistics Centre - Abu Dhabi

Table 4.2: Quantity of food available for consumption and per capita energy, proteins and fats from cereals and products for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	56,170	234.0	1,939.5	53.7	8.3
Wheat products	40,009	166.7	1,253.0	40.5	6.6
Rice	15,872	66.1	672.2	12.9	1.3
Maize products	24	0.1	1.0	0.0	0.0
Others	265	1.1	13.3	0.3	0.4

Source: Statistics Centre - Abu Dhabi

Table 4.3: quantity of food available for consumption and per capita energy, proteins and fats from starchy roots and products for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	4,400	18.3	38.1	0.6	0.1
Potatoes	4,160	17.3	35.6	0.6	0.1
Sweet Potatoes	48	0.2	0.5	0.0	0.0
Others	192	0.8	2.0	0.0	0.0

Source: Statistics Centre - Abu Dhabi

Table 4.4: Quantity of food available for consumption and per capita energy, proteins and fats from sugar and sweeteners for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	3,569	14.9	157.4	0.0	0.0
Sugar	3,545	14.8	156.6	0.0	0.0
Sweeteners	0	0.0	0.0	0.0	0.0
Honey	24	0.1	0.8	0.0	0.0

Source: Statistics Centre - Abu Dhabi

Table 4.5: Quantity of food available for consumption and per capita energy, proteins and fats from Pulses for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	1,497	6.2	59.1	4.1	0.3
Beans	72	0.3	2.8	0.2	0.0
Chick Peas	126	0.5	4.9	0.3	0.0
Lentils	481	2.0	19.4	1.4	0.1
Broad Beans	120	0.5	4.7	0.3	0.0
Others	698	2.9	27.3	1.9	0.2

Source: Statistics Centre - Abu Dhabi

Table 4.6: Quantity of food available for consumption and per capita energy, proteins and fats from nuts for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	48	0.2	1.4	0.0	0.1
Almonds	0	0.0	0.0	0.0	0.0
Pistachios	0	0.0	0.0	0.0	0.0
Chashew Nuts	0	0.0	0.0	0.0	0.0
Others	48	0.2	1.4	0.0	0.1

Source: Statistics Centre - Abu Dhabi

Table 4.7: Quantity of food available for consumption and per capita energy, proteins and fats from oil crops and products for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	374	1.6	15.6	0.5	1.4
Soybeans	15	0.1	0.6	0.1	0.0
Groundnuts	18	0.1	1.1	0.0	0.1
Sunflower Seed	86	0.4	3.0	0.1	0.3
Coconuts	96	0.4	2.0	0.0	0.2
Sesame Seed	39	0.2	2.6	0.1	0.2
Olive, Preserved	48	0.2	0.6	0.0	0.1
Others	72	0.3	5.7	0.2	0.5

Source: Statistics Centre - Abu Dhabi

Table 4.8: Quantity of food available for consumption and per capita energy, proteins and fats from vegetable oils and products for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	1,526	6.4	154.7	0.0	17.4
Soybeans Oil	395	1.6	39.9	0.0	4.5
Sunflower Seed Oil	108	0.5	10.9	0.0	1.2
Sesame Seed Oil	18	0.1	1.8	0.0	0.2
Olive Oil	115	0.5	11.6	0.0	1.3
Maize Germ Oil	482	2.0	48.6	0.0	5.5
Others	408	1.7	41.9	0.0	4.7

Source: Statistics Centre - Abu Dhabi

Table 4.9: Quantity of food available for consumption and per capita energy, proteins and fats from vegetables and products for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	30,205	125.8	102.4	4.2	0.6
Tomatoes	8,561	35.7	17.6	1.0	0.2
Cucumbers	1,371	5.7	2.7	0.1	0.0
Squash	1,876	7.8	6.6	0.1	0.0
Eggplants	914	3.8	3.0	0.1	0.0
Cauliflower	337	1.4	0.6	0.0	0.0
Cabbages	433	1.8	0.8	0.0	0.0
Peppers	914	3.8	1.8	0.2	0.0
Onion, dry	6,493	27.1	31.1	1.0	0.1
Carrots	265	1.1	1.1	0.0	0.0
Beans, green	312	1.3	2.2	0.1	0.0
Watermelons	1,804	7.5	2.7	0.0	0.0
Sweet Melons	361	1.5	1.2	0.0	0.0
Okra	529	2.2	1.9	0.1	0.0
Others	6,035	25.1	29.1	1.5	0.2

Source: Statistics Centre - Abu Dhabi

Table 4.10: Quantity of food available for consumption and per capita energy, proteins and fats for fruits and products for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	7,829	32.6	44.9	0.6	0.3
Oranges	1,972	8.2	6.5	0.2	0.0
Lemons	313	1.3	0.6	0.0	0.0
Grapefruit and Pummelors	26	0.1	0.1	0.0	0.0
Other Citrus Fruit	72	0.3	0.3	0.0	0.0
Bananas	1,467	6.1	10.0	0.2	0.1
Apples	1,611	6.7	9.0	0.1	0.0
Pears	22	0.1	0.2	0.0	0.0
Apricots	24	0.1	0.1	0.0	0.0
Grapes	337	1.4	2.6	0.0	0.0
Mangoes	433	1.8	2.2	0.0	0.0
Guava	24	0.1	0.2	0.0	0.0
Kiwi Fruit	48	0.2	0.3	0.0	0.0
Others	1,480	6.2	12.8	0.1	0.1

Source: Statistics Centre - Abu Dhabi

Table 4.11: Quantity of food available for consumption and per capita energy, proteins and fats from stimulants for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	889	3.7	8.1	0.9	0.4
Coffee	72	0.3	0.5	0.1	0.0
Cocoa Beans	96	0.4	4.3	0.0	0.4
Tea	721	3.0	3.3	0.8	0.0

Source: Statistics Centre - Abu Dhabi

Table 4.12: Quantity of food available for consumption and per capita energy, proteins and fats from Spices for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	567	2.4	21.2	0.7	0.7
Pepper	96	0.4	3.0	0.1	0.0
Cinnamon	0	0.0	0.0	0.0	0.0
Others	471	2.0	18.2	0.6	0.7

Source: Statistics Centre - Abu Dhabi

Table 4.13: Quantity of food available for consumption and per capita energy, proteins and fats from non-alcoholic beverages for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Non-alcoholic beverages	1,876	7.8	8.4	0.0	0.0

Source: Statistics Centre - Abu Dhabi

Table 4.14: Quantity of food available for consumption and per capita energy, proteins and fats from animal meats for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	10,846	45.2	220.9	16.6	16.6
Beef	1,839	7.7	49.6	3.1	4.0
Mutton and Goat Meats	2,621	10.9	78.7	4.0	6.8
Chicken Meats	6,386	26.6	92.6	9.5	5.8
Others	0	0.0	0.0	0.0	0.0

Source: Statistics Centre - Abu Dhabi

Table 4.15: Quantity of food available for consumption and per capita energy, proteins and fats from offals for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Offals	227	0.9	3.0	0.4	0.1

Source: Statistics Centre - Abu Dhabi

Table 4.16: Quantity of food available for consumption and per capita energy, proteins and fats from animal fats for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	272	1.1	24.9	0.0	2.7
Butter, Ghee	72	0.3	6.3	0.0	0.7
Cream	24	0.1	0.5	0.0	0.1
Raw animals fats	176	0.7	18.1	0.0	1.9

Source: Statistics Centre - Abu Dhabi

Table 4.17: Quantity of food available for consumption and per capita energy, proteins and fats from milk for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Fresh milk	4,024	16.8	35.8	1.7	2.4

Source: Statistics Centre - Abu Dhabi

Table 4.18: Quantity of food available for consumption and per capita energy, proteins and fats from milk products for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	6,349	26.4	100.8	4.9	4.3
Yoghurt	3,463	14.4	24.2	1.4	1.3
Yogurt	72	0.3	0.7	0.0	0.0
Cheese	433	1.8	5.1	0.6	0.2
Dry Whole milk	601	2.5	34.8	1.8	1.9
Others	1,780	7.4	36.0	1.1	0.9

Source: Statistics Centre - Abu Dhabi

Table 4.19: Quantity of food available for consumption and per capita energy, proteins and fats from eggs for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Table Eggs	1,320	5.5	21.4	1.6	1.5

Source: Statistics Centre - Abu Dhabi

Table 4.20: Quantity of food available for consumption and per capita energy, proteins and fats of sea foods for collective households, 2007/2008.

Products	Quantity of food available for consumption (ton)	Per Capita			
		Food kg/yr.	Energy cal/day	Protein g/day	Fats g/day
Total	4,857	20.2	41.9	6.5	1.6
Fish	4,833	20.1	41.8	6.5	1.6
Crustaceans and Cephalopods	24	0.1	0.1	0.0	0.0

Source: Statistics Centre - Abu Dhabi

Explanatory Notes

Glossary

This report contains certain specific terms about food balance sheet, They include the following terms:

Household:

A household is a person or a group of people, who may or may not be related, who live in the same residence and share at least one or more of their living arrangements. If the members of the household are related there will be a head of the household, if they are not related there will be no head for the household.

Servants and the like are considered members within the household where they live in the same residence and obtain food and clothing. If servants are not residing with the household, the household expenditure table should include all the expenses paid on servants by the household, however expenses paid by servants on themselves from their wages do not fall within the household expenditure.

Guests, who stay temporarily (less than a month), are not counted as members of the household, as well as visitors on visit visa or transit. Those who are temporarily away for medical treatment, study or tourism are not considered as members of the household provided that they are absent for more than one month (the research month).

1. Private National Household:

It refers to one or more of the UAE citizens, who live habitually in the Emirate of Abu Dhabi and have a head of family. They may be related to each other or not and they share residence and food.

The household is considered “National” in the following cases:

1. If the head of the family is UAE National.
2. If the housewife is not National but she has National children who live with her. She should not be married to a Non-National person at the time of the research.
3. If the wife and the children are Nationals, regardless of the nationality of the head of the household.

2. Private non-national Household:

It refers to one person or more, who are not UAE National and share residence and food together. A household is considered non-national if the head and the wife are non-national even if the wife has National sons from a previous marriage.

3. Collective Household:

It refers to a group of people (more than two) regardless of the nationality, who has no head of household and is not related. A collective household shares residence but doesn't often share food and is composed of one gender; male and female.

There is a distinction between "Type of the household" and "Nationality of the household". Type of the household indicates whether the household is National or non-national or Collective. Type of the household, especially the National and the non-national is determined according to the nationality of the head of the household.

Nationality of the household refers to the legal and political dependency of the head of the household of a particular country, such as UAE, Sudan, India ... etc...

food:

food refers to the amount of commodities available for human consumption, including any products derived from them, during the reference period.

Per Capita Consumption Rate:

It refers to the estimates of the per capita consumption rate of the food available during the reference period in the form of energy (calories per day) and protein and fat (grams per day). The calorie is a unit for measuring the thermal energy people need; the body can produce this energy by burning the food in order to do its work in a normal way. Humans need energy to conduct the essential functions of life. The primary source of energy is food; foods differ in the amount of energy they can produce and the quantity they contain from the three basic elements, the carbohydrates, proteins and fats.

The per capita consumption rate can be derived from the total quantity of food available for human consumption by dividing the available quantities of food item by the total population during the reference period.

The amount of food available for each person was derived from the Household Expenditure and Income Survey. The per capita consumption rate by type of food was multiplied by the population of the Emirate to produce the amount of food available for consumption for all individuals. Furthermore, the data of National, non-Nation and collective households was obtained using the same equation.

- The amount of food available for consumption in the Emirate = Per capita consumption x population of the Emirate.
- The amount of food available for consumption by household = Per capita consumption x population by household.

The daily calories, proteins and fats per capita were calculated in association with basic food components, which aims to generate and supply individuals with the energy necessary for daily functions. The calorie is the unit used to measure the thermal energy needed and produced by the body in order to perform its work as usual through breaking the links between the elements of the basic food components. Humans need energy to work and function their life, and the main source of energy is food which differ in the amount of energy it produce depends on what it contains from the three basic elements, namely: carbohydrates, proteins and fats.

In order to calculate the energy, proteins and fats from the food available for each individual, food components data should be available. This data can be obtained using the table of food composition. The FAO food composition tables adopted for the Middle East and some regions of the Arab World has been used due to the non-availability of the tables designed for the region. Some data has been updated to suite the data available in Gulf region.

These tables provide food composition for each 100 gram of the edible food as follows:

- Every 100 grams of carbohydrates produces 400 calories.
- Every 100 grams of fat produces 900 calories.
- Every 100 grams of protein produces 400 calories.

Data Source

The food Balance Sheet is based on the results of the Household Expenditure and Income survey, which was undertaken in the Emirate of Abu Dhabi, from the first quarter of 2007. till the first quarter of 2008. The survey covered a whole year to collect the data, which monitors the seasonal changes that affect the pattern of food consumption and income.

The bulletin provides data on the per capita food available for consumption according to the international classification of food groups and by type of product and type of household. households were divided into National, non-national and collective households. Additionally, the number of population was also provided through the available population estimates.

Notes on Tables

Some figures have been rounded to the nearest final digit shown. Consequently, discrepancies may exist within a table between totals and sums of constituent items.

More information

[For more information about food balance sheet and other official statistics, please visit the statistics link on the SCAD website at <http://www.scad.ae>](http://www.scad.ae)

The next release, which will cover 2013 data, will be published in October 2014. Releasing the Food Balance Sheet relies on the data of the Household Expenditure and Income Survey. The next Household Expenditure and Income Survey will be carried out in 2013, while the last survey was carried out in 2007/2008.



Tel: +971 2 8100000 - Fax: +971 2 8100800

P.O. Box: 6036, Abu Dhabi, U.A.E.