

## General Information About Turkish Agriculture and Research Villages

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### 1. Turkish Agriculture

Turkey, also called Asia Minor, is a bridge between Asia and Europe. Turkey's neighbours are Georgia, Armenia, Iran in the East, Iraq and Syria in the Southeast, Greece and Bulgaria in the West. The country is surrounded by Mediterranean, Aegean and Black Seas.

Total area is 841,578 km<sup>2</sup> and the population is around 68 million. As a result of economic crises in 2000 and 2001 per capita income fell down to \$ 2,160 in 2001. Exports and imports account for 31 and 41 billion US dollars respectively. Share of agricultural sector in total population is around 40 % but the share of agricultural sector in total GNP is 13 %.

Total cultivated field area is 23 million hectares and forests account for 20 million hectares. Average farm size is 5.61 ha. Sheep, with population of 28 million, are the dominating livestock. It is followed by cattle and goat (Table 1).

Climate and topography are varying widely in the country. We have subtropical climate in the west and south, continental climate in Central Anatolia and Alpine Climate in the east. Turkey produces tea at the Blacksea coast and citrus, bananas,

cotton at the Mediterranean coast. Central Anatolia is known as the grain store of the country.

Because of favorable climate and soils Turkey produces wide range of crops and has an important place in the world agriculture. Turkey ranks first in the hazelnut, apricot, fig and quince production and sixth in cotton, barley, grape production and tenth in the wheat production in the world.

### 2. Research Villages

Two different geographic zones were selected for the research. The first zone is subtropical zone which includes Adana province that is in the Mediterranean region. The second region is selected from Central Anatolia which represents the continental climate. Two irrigated and two rainfed villages were selected from the plain part of Adana province to represent subtropical zone. One irrigated and one rainfed villages were selected from the plain part of Konya province in the Central Anatolia.

General information about the target villages are given in the following tables:

**Table 1. Some Indicators of Turkish Economy and Agriculture**

Area (km <sup>2</sup> )	841,578
Population	67,844,000
Per Capita GNP (\$)	2,160
Exports (million \$)	31,310
Imports (million \$)	41,216
Share of Agr. Sector within GNP (%)	13.1
Share of Agr. Sector within Total Exports (%)	7.2
Share of Agr. Sector within Total Employment (%)	40.1

<b>Land Use (1,000 hectare)</b>	
Cultivated field area	23,033
Area sown	18,207
Fallow	4,826
Vegetable gardens	793
Vineyards	535
Fruit orchards	1,418
Olive groves	600
Forests	20,703

<b>Other Indicators</b>	
Average farm size (ha)	5,61
Average size of parcels (ha)	1,08
Number of tractors	941,835

<b>Number of Livestock (in thousands)</b>	
Cattle	10,761
Sheep	28,492
Goat	7,201

<b>Poultry (in thousands)</b>	
Hens & cocks	258,168
Turkeys	3,682
Ducks	1,104
Geese	1,497

<b>Major Crops' Production (in thousands of tons)</b>		<b>World Rank</b>
Wheat	22,109	10 <sup>th</sup>
Barley	8,000	6 <sup>th</sup>
Corn	2,300	26 <sup>th</sup>
Cotton	880	6 <sup>th</sup>
Tobacco	200	6 <sup>th</sup>
Grape	3,600	6 <sup>th</sup>
Fig	240	1 <sup>st</sup>
Citrus fruits	2,222	9 <sup>th</sup>
Hazelnut	470	1 <sup>st</sup>
Tea	758	5 <sup>th</sup>
Apricot	530	1 <sup>st</sup>
Quince	105	1 <sup>st</sup>

## 2. Villages for Field Work

### 2.1. Irrigated Villages

#### 2.1.1. Kadıköy Village of Adana Province (Çukurova Region)

Number of Households	107
Population	282
Cultivated land (ha)	2,148
Distance from the city (km)	30
<b>Crops (ha)</b>	
Wheat	1,038
Maize	600
Cotton	110
Onion	30
Vegetables	170
Water melon	20
Citrus	180

#### 2.1.2. Taşçı Village of Adana Province (Çukurova Region)

Number of Households	65
Population	334
Cultivated land (ha)	1,018
Distance from the city (km)	15
<b>Crops (ha)</b>	
Wheat	305
Maize	200
Onion	7
Vegetables	100
Water melon	20
Citrus	386

#### 2.1.3. Okçu Village of Konya Province (Central Anatolia Region)

Number of Households	520
Population	4,285
Cultivated land (ha)	4,144
Distance from the city (km)	5
<b>Crops (ha)</b>	
Wheat	2,440
Barley	612
Pulses	520
Orchards	175
Vegetables	105

## 2.2. Rainfed Villages

### 2.2.1. Yeniyayla Village of Adana Province (Çukurova Region)

Number of Households	247
Population	814
Cultivated land (ha)	341
Distance from the city (km)	26
<b>Crops (ha)</b>	
Wheat	233
Barley	75
Cotton	15
Vetch	5
Olive	13

### 2.2.2. Çiçekli Village of Adana Province (Çukurova Region)

Number of Households	75
Population	296
Cultivated land (ha)	561
Distance from the city (km)	10
<b>Crops (ha)</b>	
Wheat	370
Barley	25
Maize	10
Cotton	20
Groundnut	30
Onion	16
Potatoes	60
Water melon	20
Olive	5

### 2.2.3. Meydan Village of Konya Province (Central Anatolia Region)

Number of Households	150
Population	1,050
Cultivated land (ha)	4,000
Distance from the city (km)	30
<b>Crops (ha)</b>	
Wheat	523
Barley	1,128
Oat	200
Pulses	150
Orchards	250
Vegetables	32