

11.1 - Introduction

This statistical section contains a short presentation of the main indicators of agricultural and food development in Mediterranean countries.

The data relate to demographic and economic aspects, resources and production means, consumption, and international trade.

In view of the fact that few data are available in several countries in the region, in order to ensure comparability we have deliberately limited our data to the indicators most frequently used for population growth, urbanisation, aggregate economic growth and growth agriculture, food consumption and international trade.

11.2 – Notes on methodology

11.2.1 – Data source

The agricultural statistics (land use, production, trade) have been drawn from the United Nations Food and Agriculture Organisation (FAO).

They are collected from the official bodies in the various countries and completed where necessary by estimates made by the FAO on the basis of provisional or unofficial information.

The macroeconomic information concerning population, national accounts, world trade, etc. have been drawn either from the United Nations series of statistics which are published in various yearbooks (statistical yearbooks, yearbooks of national accounts, population yearbooks, yearbooks of international trade) or from World Bank or IMF publications.

11.2.2 – Table of indicators

Table 11.1 - Population, demographic growth, urbanisation, agriculture ratio of employment, 1999

Country	Tot.pop.	Growth rate.	Urb.pop./ Tot.pop.	Rur.pop./ Tot.pop.	Agr.pop./ Tot.pop.	ALF/ TLF	Inhtts/ A.E.	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
	mn inhtts	%	%	%	%	%		
	1999	1965-99	1999					
Albania	3,11	1,51	39	61	49	49	4	
Algeria	30,77	2,83	59	41	24	25	12	
Egypt	67,23	2,25	46	54	37	34	8	
France	58,88	0,56	75	25	4	4	63	
Greece	10,63	0,65	60	40	14	17	13	
Italy	57,34	0,29	67	33	6	6	40	
Lebanon	3,24	1,20	89	11	4	4	72	
Malta	0,39	0,70	90	10	2	2	129	
Morocco	27,87	2,19	55	45	38	37	7	
Portugal	9,87	0,24	38	63	15	13	15	
Spain	39,42	0,64	77	23	8	8	30	
Tunisia	9,46	2,12	65	35	25	25	10	
Turkey	65,54	2,31	74	26	31	47	5	

- (1) Total population in millions of inhabitants
- (2) Average annual demographic growth rate in period 1965-99 (%)
- (3) Part of urban population in the total population (%)
- (4) Part of the rural population in the total population (%)
- (5) Part of the agricultural population in the total population (%)
- (6) Part of the agricultural labour force in the total labour force (%)
- (7) Number of inhabitants per agricultural employee.

Source : Medagri 2001, our calculations based on FAO data.

**Table 11.2 – Gross domestic product, economic growth,
agriculture ratio to the GDP**

Country	Year	GDP	GDP/ inhtts	Exchange rate *	GDPGrowth rate.	AGDP/ GDP	AGDP/ Agr.E.	
		mns \$	\$	MU p 1 \$	%	%	\$	
						1990-98	1998	
		(1)	(2)	(3)	(4)	(5)	(6)	
Albania	1998	2 460	649	150,63	1,8	63,0	2 026	
Algeria	1998	49 585	1 664	58,74	1,2	12,0	2 459	
Egypt	1999	88 781	1 320	3,405	4,2	17,0	1 552	
France	1999	1 395 204	23 607	0,963	1,5	1,8	26 201	
Greece	1999	125 089	11 767	305,65	2,0	5,6	8 420	
Italy	1999	1 140 976	19 898	0,96	1,2	2,4	19 344	
Lebanon	1998	17 073	5 352	1 516,10	7,7	12,0		
Malta	1999	3 622	9 288	0,40	1,2	2,5		
Morocco	1998	35 545	1 279	9,60	2,1	16,0	1 296	
Portugal	1998	106 862	10 718	0,96	2,3	1,9	2 971	
Spain	1999	580 297	14 720	0,963	1,9	3,0	11 903	
Tunisia	1999	21 031	2 223	1,19	4,4	14,1	3 340	
Turkey	1998	198 006	3 120	260 724	4,1	26,0	3 415	

- (1) Gross Domestic Product in millions of \$ US
- (2) Gross Domestic Product per inhabitant in \$ US
- (3) Exchange rate, local monetary unit per 1 \$ US
- (4) Average annual growth rate of GDP on period 1990-1998 (%)
- (5) Part of agricultural GDP in the total GDP (%)
- (6) Agricultural GDP per agricultural employee (1 \$ US)

* Euros per 1 \$ US in Spain, France, Italy and Portugal.

Source : Medagri 2001, our calculations based on FAO data, world bank, IMF, and National data.

Table 11.3 – Cultivated areas, irrigated areas, means of production, 1998

Country	Arable land, perm.crops. 1000 ha	Cult.Land 1000 htts ha	Cult.Land/ Agr.E ha	Irrig.Land/ Cult.Land %	Cult.Land/ tract ha/tract.	Fert/ Cult.Land kg/ha
	(1)	(2)	(3)	(4)	(5)	(6)
Albania	699	204	0,9	49	86	7
Algeria	8 173	277	3,4	7	88	12
Egypt	3 300	51	0,4	100	37	306
France	19 517	333	20,0	10	15	261
Greece	3 941	375	4,8	36	16	129
Italy	11 030	193	7,5	24	7	168
Lebanon	308	98	6,6	39	55	195
Malta	11	30	3,7	18	22	91
Morocco	9 976	363	2,4	13	231	32
Portugal	2 580	263	3,8	24	17	82
Spain	19 080	480	13,7	19	23	108
Tunisia	4 900	525	5,3	8	140	19
Turkey	26 968	430	1,9	16	31	63

- (1) Arable land and permanent crops, 1000 ha
- (2) Cultivated land per inhabitant, ha
- (3) Cultivated land per agricultural employee, ha
- (4) Part of irrigated land in the cultivated land (%)
- (5) Cultivated land per tractor, ha
- (6) Fertilizers per hectare, kg

Source : Medagri 2001, our calculations based on FAO data.

Table 11.4 – Main agricultural products, 1999

Country	Cereals	Vegetables	Fruit	Milk	Meat	Sugar	Olive oil
	1000 T						
Albania	512	640	128	907	63	3	4
Algeria	1 540	2 841	1 478	1 409	503	0	57
Egypte	19 590	13 083	6 417	3 510	1 299	1 350	0
France	64 761	8 151	12 058	25 335	6 462	4 891	2
Greece	4 554	4 181	3 614	1 900	499	261	350
Italy	21 005	15 723	19 126	12 236	4 043	1 848	614
Lebanon	93	1 259	1 278	272	112	40	6
Malta	6	59	19	46	18	0	0
Morocco	3 860	3 265	2 589	1 196	533	500	70
Portugal	1 860	2 395	1 419	1 889	732	70	32
Spain	17 943	11 659	14 769	6 922	4 875	1 074	598
Tunisia	1 825	2 053	836	830	198	18	160
Turkey	30 282	21 777	10 389	10 060	1 244	2 210	60

Source : Medagri 2001, based on FAO data.

Table 11.5 – Growth rate of agricultural products, 1999

Country	Cereals	Vegetables	Fruit	Milk	Meat	Sugar	Olive oil
	%						
Albania	-19,6	3,9	1,5	4,3	0,3	-54,5	
Algeria	-49,2	17,2	17,3	19,3	-5,9		24,0
Egypt	9,1	5,7	8,6	4,9	1,3	7,7	
France	-4,3	4,4	11,0	0,4	-0,8	3,8	15,0
Greece	-0,3	1,9	3,0	1,1	-2,6	0,4	-11,8
Italy	1,8	8,4	8,2	2,6	0,4	9,0	32,9
Lebanon	-1,5	-6,0	-1,2	0,6	5,1	14,3	2,4
Malta	0,0	0,0	22,9	0,0	-0,7		50,0
Morocco	-41,8	-12,5	-5,1	11,2	2,1	2,0	16,7
Portugal	47,9	10,5	-8,2	0,0	3,6	-7,9	-20,0
Spain	-19,2	1,4	10,9	2,5	11,5	-16,8	-16,7
Tunisia	9,7	11,7	-1,3	18,6	10,6	0,0	-15,8
Turkey	-8,7	0,2	1,2	-0,2	-0,9	-18,2	20,0

Source : Medagri 2001, our calculations based on FAO data.

Table 11.6 – Food consumption, 1998, kg/capita/yr

Country	Cereals	Root	Sugar	Dried beans	Vegetables	Fruit
	(1)	(2)	(3)	(4)	(5)	(6)
Albania	199	31	22	5	192	51
Algeria	237	33	24	5	81	40
Egypt	245	25	32	8	159	79
France	114	67	39	2	123	86
Greece	150	70	32	5	263	134
Italy	160	39	32	6	173	129
Lebanon	138	62	32	15	348	242
Malta	147	80	53	4	144	131
Morocco	252	33	38	8	114	72
Portugal	129	128	35	5	186	115
Spain	103	88	33	8	156	100
Tunisia	219	30	31	8	169	73
Turkey	225	67	32	13	214	110

Country	Meat	Fish.	Milk	Oil	Beverages
	(7)	(8)	(9)	(10)	(11)
Albania	24,0	2,0	268,0	11,0	11,0
Algeria	17,0	3,0	110,0	17,0	2,0
Egypt	20,0	10,0	43,0	8,0	1,0
France	94,0	29,0	256,0	35,0	106,0
Greece	79,0	27,0	278,0	32,0	61,0
Italy	80,0	24,0	259,0	37,0	82,0
Lebanon	32,0	7,0	93,0	19,0	13,0
Malta	76,0	41,0	199,0	18,0	60,0
Morocco	18,0	8,0	34,0	14,0	6,0
Portugal	83,0	59,0	195,0	29,0	134,0
Spain	103,0	35,0	159,0	31,0	116,0
Tunisia	20,0	9,0	79,0	22,0	8,0
Turkey	20,0	7,0	127,0	23,0	12,0

(1) Cereals

(2) Roots and tubers

(3) Sugar

(4) Dried beans

(5) Vegetables

(6) Fruit

(7) Meat

(8) Fish

(9) Milk and milk products

(10) Oils and fats

(11) Beverages

Source : Medagri 2001, our calculations based on FAO data.

Table 11.7 – International trade ratios for agricultural products, 1998

Country	Total.Import	Total.Export	Agr.Import	Agr.Export
	TI	TE	AI	AE
	millions \$			
Albania	870,0	208,0	230,3	18,2
Algeria	9 323,0	10 126,0	2 969,1	43,4
Egypt	16 166,0	3 130,0	3 783,2	575,0
France	307 221,0	320 216,0	26 552,2	38 253,8
Greece	25 959,0	10 515,0	3 779,7	2 979,2
Italy	215 806,0	241 731,0	23 726,4	16 089,6
Lebanon	7 060,0	800,0	1 090,6	138,1
Malta	2 665,8	1 712,4	284,8	35,2
Morocco	8 406,3	4 552,1	1 469,1	797,5
Portugal	36 945,9	24 195,7	4 202,9	1 504,6
Spain	125 049,0	104 632,0	12 123,4	14 855,4
Tunisia	8 310,5	5 728,2	910,6	438,5
Turkey	45 934,9	26 974,0	3 507,8	4 788,1

Country	Tot.Bal.Std.*	TE / TI	Agr.Bal.Std**	AE / AI	AI / TI	AE / TE
	%					
Albania	-61,4	23,9	-85,3	7,9	26,5	8,8
Algeria	4,1	108,6	-97,1	1,5	31,8	0,4
Egypt	-67,6	19,4	-73,6	15,2	23,4	18,4
France	2,1	104,2	18,1	144,1	8,6	11,9
Greece	-42,3	40,5	-11,8	78,8	14,6	28,3
Italy	5,7	112,0	-19,2	67,8	11,0	6,7
Lebanon	-79,6	11,3	-77,5	12,7	15,4	17,3
Malta	-21,8	64,2	-78,0	12,4	10,7	2,1
Morocco	-29,7	54,2	-29,6	54,3	17,5	17,5
Portugal	-20,9	65,5	-47,3	35,8	11,4	6,2
Spain	-8,9	83,7	10,1	122,5	9,7	14,2
Tunisia	-18,4	68,9	-35,0	48,2	11,0	7,7
Turkey	-26,0	58,7	15,4	136,5	7,6	17,8

* Total Standardized Balance = $(TE-TI)*100/(TE+TI)$

** Agricultural Standardized Balance = $(AE-AI)*100/(AE+AI)$

Source : Medagri 2001, our calculations based on FAO data.

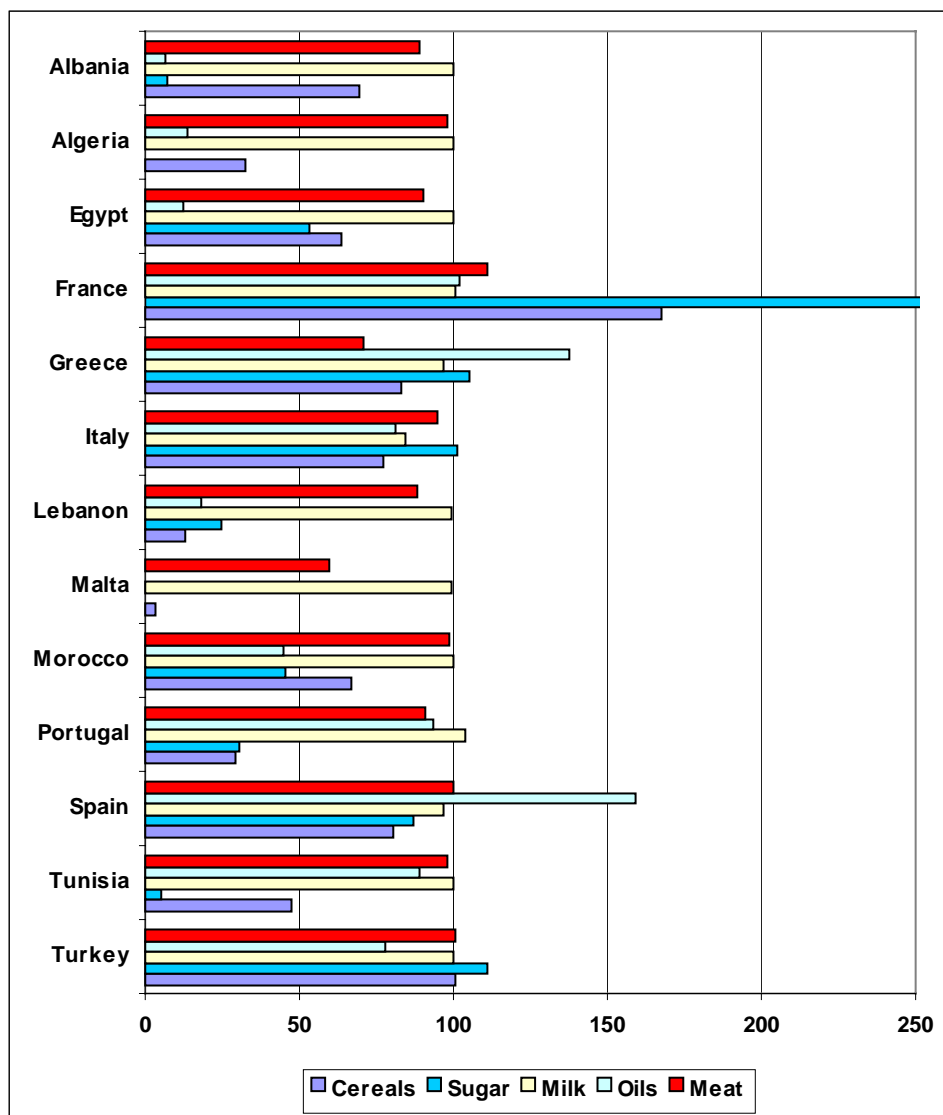
Table 11.8 – Self sufficiency ratios for main food products, 1998

Country	Cereals	Sugar	Milk	Oil	Meat
	%				
Albania	69,61	7,33	99,73	6,42	89,22
Algeria	32,51	0,00	99,86	13,37	97,85
Egypt	63,87	53,26	100,00	12,54	90,37
France	167,64	265,64	100,74	101,71	110,86
Greece	83,20	105,12	96,89	137,74	70,93
Italy	77,23	101,21	84,58	81,23	94,67
Lebanon	12,72	24,47	99,52	18,02	88,14
Malta	3,34	0,00	99,58	0,09	59,98
Morocco	66,92	45,35	99,74	44,98	98,43
Portugal	29,27	30,55	103,80	93,49	91,23
Spain	80,74	87,30	96,62	159,27	99,93
Tunisia	47,46	5,44	100,00	88,91	97,81
Turkey	100,50	111,36	100,00	77,86	100,68

Self sufficiency ratio = production*100/(production+import-export)

Source : Medagri 2001, our calculations based on FAO data.

Graph 11.1 – Self sufficiency ratios for main food products, 1998, %



Source : Our calculations based on FAO data.