HELLENIC REPUBLIC

HELLENIC STATISTICAL AUTHORITY

Piraeus, 26 June 2015

PRESS RELEASE

2012 ANNUAL AGRICULTURAL STATISTICAL SURVEY

The Hellenic Statistical Authority (ELSTAT) announces the final results of the 2012 Annual Agricultural Statistical Survey.
For comparability purposes, data for years 2010 and 2011 are also made available.

A. CULTIVATED AREAS

The total utilized agricultural area (arable land, crops under vegetables, permanent crops and fallow land) decreased by 2.9% in 2011 compared with 2010 and decreased by 0.2% in 2012 compared with 2011.
More specifically, the **total utilized agricultural area** (arable land, crops under vegetables, permanent crops and fallow land) amounted to 36,709.3 thousand stremmas[1] in 2010, 35,666.2 thousand stremmas in 2011 and 35,600.0 thousand stremmas in 2012 (Table 1).

The distribution of the cultivated areas by main crop type and by year is as follows:

- In 2010, 53.4% of the cultivated area (19,619.2 thousand stremmas) was used for arable farming, 2.8% (1,041.3 thousand stremmas) was used for vegetables, 31.0% (11,373.7 thousand stremmas) for permanent crops and 12.7% (4,675.1 thousand stremmas) was fallow land (Table1, Graph 1).
- In 2011, 54.6% of the cultivated area (19,478.3 thousand stremmas) was used for arable farming, 2.8% (1,004.6 thousand stremmas) was used for vegetables, 31.9% (11,374.8 thousand stremmas) for permanent crops and 10.7% (3,808.5 thousand stremmas) of the cultivated area was fallow land (Table1, Graph 2).
- In 2012, 54.6% of the cultivated area (19,441.6 thousand stremmas) was used for arable farming, 2.8% (985.7 thousand stremmas) was used for vegetables, 32.0% (11,384.8 thousand stremmas) for permanent crops and 10.6% (3,787.9 thousand stremmas) was fallow land (Table1, Graph 3).

Information:

Division of Agriculture and Livestock Statistics
Section of Annual Statistics on Agriculture-Livestock and Fishery Statistics
S. Spyroulis
Tel. : +30 213 135 2542
Fax :+30 213 135 2474
Mail: s.spyroulis@statistics.gr

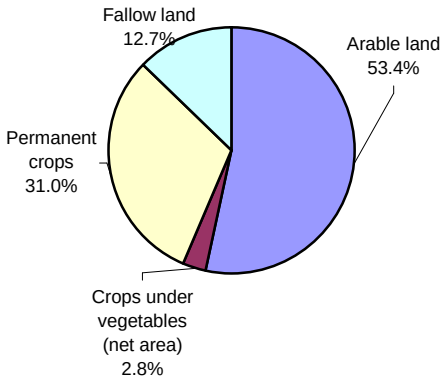
The major changes, in terms of surface of the cultivated areas, which are recorded by type of crop, are the following:

- The cultivated areas under **durum wheat** recorded a decrease of 8.7% in 2011 compared with 2010, and a further decrease of 2.8% was observed in 2012 compared with 2011. More specifically, the cultivated areas under durum wheat amounted to 5,821.8 thousand stremmas in 2010, 5,315.0 thousand stremmas in 2011 and 5,165.5 thousand stremmas in 2012 (Table 1).
- The cultivated areas under **grain maize** increased by 3.9% in 2011 compared with 2010, while a decrease of 0.5% was observed in 2012 compared with 2011. More specifically, the areas under maize amounted to 2,059.8 thousand stremmas in 2010, 2,140.4 thousand stremmas in 2011 and 2,129.0 thousand stremmas in 2012 (Table 1).
- The cultivated areas under **cotton** recorded an increase of 7.4% in 2011 compared with 2010, while a decrease of 2.0% was observed in 2012 compared with 2011. More specifically, the areas under cotton amounted to 2,769.2 thousand stremmas in 2010, 2,975.1 thousand stremmas in 2011 and 2,914.7 thousand stremmas in 2012 (Table 1).

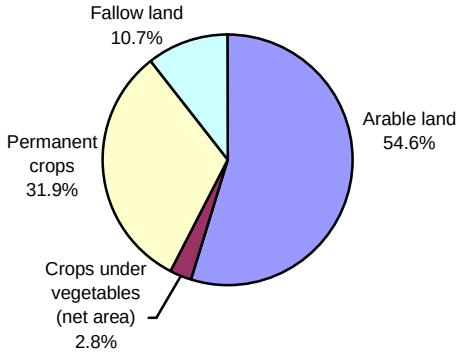
[1] 1 stremma = 1,000 m^2 or 0.1 ha

- The cultivated area under **tomatoes** (total) recorded a decrease of 11.7% in 2011 compared with 2010 and a further decrease of 2.0% was observed in 2012 compared with 2011. More specifically, the cultivated areas under tomatoes amounted to 317.8 thousand stremmas in 2010, 280.5 thousand stremmas in 2011 and to 275.0 thousand stremmas in 2011(Table 1).
- The cultivated areas under **vines** (total) decreased by 1.8% in 2011 compared with 2009 while a slight increase of 0.1% was observed in 2012 compared with 2011. More specifically, the areas under vines amounted to 1,168.2 thousand stremmas in 2010, 1,147.2 thousand stremmas in 2011 and 1,148.3 thousand stremmas in 2012 (Table 1).
- The cultivated areas under **oranges** recorded, actually, no change neither in 2011 compared with 2010 nor in 2012 compared with 2011. More specifically, the cultivated areas under oranges amounted to 387.7 thousand stremmas in 2010, 387.8 thousand stremmas in 2011 and 387.9 thousand stremmas in 2012 (Table 1).
- The cultivated areas under **peaches-nectarines** decreased by 0.3% in 2011 compared with 2010 and a further decrease of 0.5% was observed in 2012 in comparison with 2011. More specifically, the cultivated areas under peaches-nectarines amounted to 439.5 thousand stremmas in 2010, 438.1 thousand stremmas in 2011 and 435.7 thousand stremmas in 2012 (Table 1).
- The cultivated area under **olives for oil** recorded an increase of 0.2% in 2011 compared with 2010 while, actually, no change was observed in 2012 compared with 2011. More specifically, the cultivated areas under olives for oil amounted to 6,703.6 thousand strammas in 2010, 6,714.4 thousand stremmas in 2011 and to 6,712.0 thousand stremmas in 2012 (Table 1).

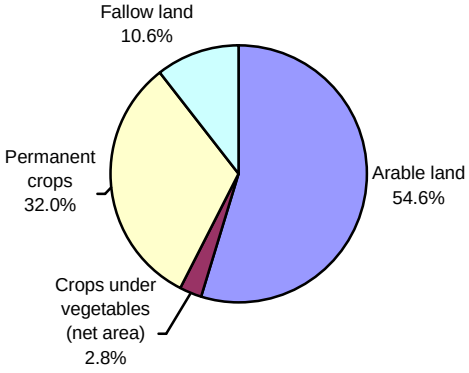
Graph 1. Percentage distribution of the cultivated agricultural area by categories, 2010



Graph 2. Percentage distribution of the cultivated agricultural area by categories, 2011



Graph 3. Percentage distribution of the cultivated agricultural area by categories, 2012



Note: Any discrepancies in the sums are due to rounding.

Table 1. Areas under cultivation by type of crop. Greece total, 2010 - 2012

in thousand stremmas

Crop type	2010	2011	2012	Change (%) 2011/2010	Change (%) 2012/2011
Total cultivated agricultural land	**36,709.3**	**35,666.2**	**35,600.0**	**-2.9**	**-0.2**
Irrigated	13,718.0	13,844.8	13,860.6	0.9	0.1
***1.* Arable land**	**19,619.2**	**19,478.3**	**19,441.6**	**-0.7**	**-0.2**
Irrigated	8,368.0	8,536.8	8,499.6	2.0	-0.4
2. **Crops under vegetables (net area)**	**1,041.3**	**1,004.6**	**985,7**	**-3,5**	**-1,9**
Irrigated	1,014.7	980,4	962,1	-3,4	**-1,9**
***3.* Permanent crops[2]**	**11,373.7**	**11,374.8**	**11,384.8**	**0.0**	**0.1**
Irrigated	4,335.3	4,327.6	4,346.8	-0.2	0.4
***4.* Fallow land**	**4,675.1**	**3,808.5**	**3,787.9**	**-18.5**	**-0.5**
1. Arable land					
1.1 Cereals for grain	**11,576.3**	**11,161.0**	**11,251.4**	**-3.6**	**0.8**
Common wheat	1,553.0	1,563.3	1,724.4	0.7	10.3
Durum wheat	5,821.8	5,315.0	5,165.5	-8.7	-2.8
Barley	1,207.6	1,211.7	1,279.5	0.3	5.6
Rice	300.5	309.1	307.9	2.9	-0.4
Maize	2,059.8	2,140.4	2,129.0	3.9	-0.5
Other cereals	633.6	621.4	645.0	-1.9	3.8
1.2 Edible pulses	**193.8**	**203.3**	**206.7**	**4.9**	**1.7**
Beans	96.2	97.8	98.1	1.7	0.3
Chickpeas	29.5	30,.9	33.2	4.8	7.4
Lentils	41.1	46,.5	49.1	13.1	5.6
Other edible pulses	27.0	28.1	26.3	4.1	-6.4
1.3 Industrial Plants	**3,765.8**	**4,092.9**	**3,905.6**	**8.7**	**-4.6**
Tobacco	160.4	158.9	164.0	-0.9	3.2
Cotton	2,769.2	2,975.1	2.914.7	7.4	-2.0
Sunflower	534.8	691.4	613.8	29.3	-11.2
Groundnuts	5.6	5.6	6.7	0.0	19.6
Sugar beets	156.0	96.1	111.3	-38.4	15.8
Oil seed rape	…	…..	76.2	…	…..
Other industrial plants	139,7	165.8	18.9	18.7	-88.6
1.4 Aromatic plants	**23.1**	**19.3**	**18.1**	**-16.5**	**-6.2**
1.5 Fodder plants	**3,584.9**	**3,548.6**	**3,599.0**	**-1.0**	**1.4**
1.6 Melons and water melons	**257.5**	**252.2**	**235.7**	**-2.1**	**-6.5**
Water melons	168.2	167.1	157.6	-0.7	-5.7
Melons	89.2	85.1	78.1	-4.6	-8.2
1.7 Potatoes	**448.0**	**448.1**	**441.4**	**0.0**	**-1.5**
2. Crops under vegetables					
2.1 Vegetable crops	**1,105.0**	**1,069.7**	**1,050.5**	**-3.2**	**-1.8**
Tomatoes	317.8	280.5	275.0	-11.7	-2.0
Industrial tomatoes	138.3	105.8	101.3	-23.5	-4.3
Tomatoes grown in the open	144.7	140.6	140.8	-2.8	0.1
Tomatoes grown in greenhouses	34.8	34.1	32.9	-1.9	-3.5
Green beans	74.0	73.9	72.1	-0.1	-2.4
Cabbages – cauliflowers	118.7	116.8	114.8	-1.6	-1.7
Lettuce	55.0	55.4	56.1	0.8	1.3
Other vegetables	539.5	543.1	532.5	0.7	-2.0
2.2 Market flower gardens	**7.0**	**7.1**	**6.5**	**1.2**	**-8.5**

[2] Areas under nurseries are not included due to their small contribution to the total of the cultivated area

2.3 Greenhouses[3]	**56,8**	**56.8**	**56.1**	**0.0**	**-1.2**
3. Permanent crops	**11,373.7**	**11,374.8**	**11,384.8**	**0.0**	**0.1**
3.1 Vineyards: grapes and raisins (total)	**1,168.2**	**1,147.2**	**1,148.3**	**-1.8**	**0.1**
Vines for wine	672.2	661.6	662.0	-1.6	0.1
Vines for table grapes	109.7	103.5	105.8	-5.6	2.2
Vines for currants	386.3	382.1	380.5	-1.1	-0.4
3.2 Trees in compact plantations	**10.205,5**	**10,227.6**	**10,236.5**	**0.2**	**0.1**
3.2.1 Citrus trees	**552.6**	**552.4**	**552.1**	**0.0**	-0.1
Lemon trees	88.4	88.2	86.8	-0.3	-1.6
Orange trees	387.7	387.8	387.9	0.0	0.0
Mandarin trees	72.6	72.6	73.9	0.0	1.8
Other citrus trees	3.9	3.8	3.6	-2.9	-5.3
3.2.2 Fruit trees	**866.6**	**880.4**	**882.7**	**-1.02**	**0.3**
Pear trees	42.8	45.7	45.4	6.8	-0.7
Apples trees	134.4	133.3	133.1	-0.8	-0.2
Peach - Nectarine trees	439.5	438.1	435.7	-0.3	-0.5
Apricot trees	58.0	61.4	62.6	5.9	2.0
Cherry trees	104.6	106.1	108.6	1.4	2.4
Other fruit trees	87,3	95.8	97.3	6.1	1.6
3.2.3 Nut trees	**450.7**	**446.1**	**442.1**	**1.0**	**-0.9**
Almond trees	161.2	158.5	156.0	-1.7	-1.6
Walnut trees	91.6	92.0	92.1	0.5	0.1
Pistachio trees	43.6	43.7	41.6	0.2	-4.8
Fig trees	59.7	58.5	57.7	-1.9	-1.4
Other	94,7	93.4	94.7	-1.4	1.4
3.2.4 Olives	**8,064.5**	**8,075.7**	**8,077.9**	**0.1**	**0.0**
Olives for oil	6,703.6	6,714.4	6,712.0	0.2	0.0
Edible olives	1,360.9	1,361.3	1,364.9	0.0	0.3
3.2.5 Other trees	**271.0**	**273.0**	**282.3**	**0.7**	**3.4**

Note: Any discrepancies in the sums are due to rounding**.**
Percentage changes were calculated before rounding.

B. PRODUCTION OF AGRICULTURAL PRODUCTS

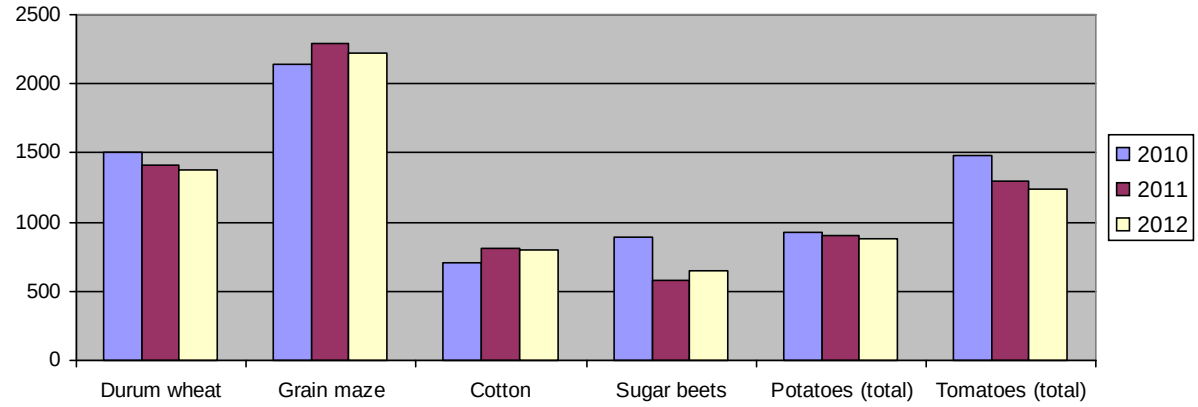
The major changes, in terms of volume of production of agricultural products, by group and species of products are the following:

- The production of **durum wheat** decreased by 5.9% in 2011 in comparison with 2010 and further by 3.0% in 2012 compared with 2011. More specifically, the production of durum wheat amounted to 1,504.5 thousand tonnes in 2010, 1,416.0 thousand tonnes in 2011 and 1,373.9 thousand tonnes in 2012. (Table 2, Graph 4).
- The production of **grain maize** increased by 7.2% in 2011 in comparison with 2010, while it decreased by 2.9% in 2012 compared with 2011. More specifically, the production of grain maize amounted to 2,138.5 thousand tonnes in 2010, 2,291.8 thousand tonnes in 2011 and 2,226.2 thousand tonnes in 2012. (Table 2, Graph 4).
- The production of **cotton** increased by 14.6% in 2011 in comparison with 2010, while it decreased by 2.3% in 2012 compared to 2011. More specifically, the production of cotton amounted to 710.5 thousand tonnes in 2010, 814.5 thousand tonnes in 2011 and 795.5 thousand tonnes in 2012 (Table 2, Graph 4).
- The production of **sugar beets** recorded a decrease of 34.6% in 2011 compared with 2010, while it increased by 11.4% in 2012 compared with 2011. More specifically, the production of sugar beets amounted to 889.4 thousand tonnes in 2010, 581.5 thousand tonnes in 2011 and 647.8 thousand tonnes in 2012 (Table 2, Graph 4).

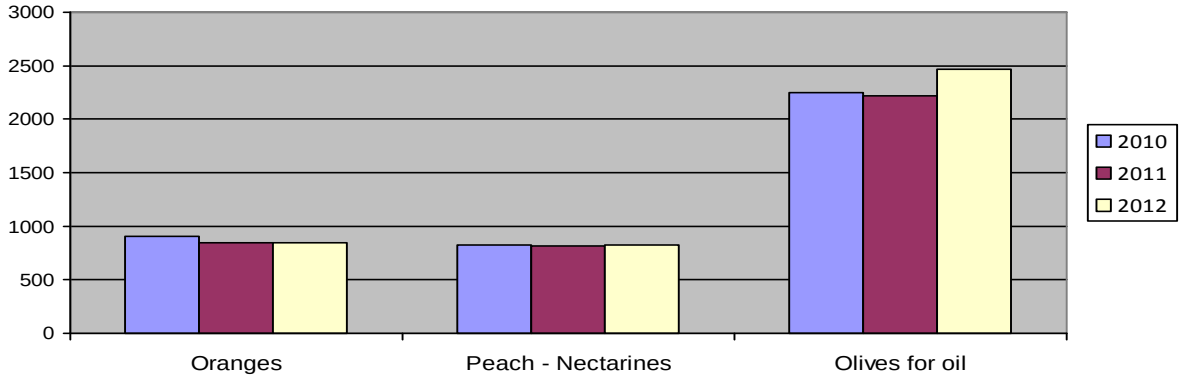
[3] Also included greenhouses with vegetables and flowers. Vegetables include tomatoes, cucumbers, etc.

- The production of **potatoes** (total) recorded a decrease of 2.2% in 2011 compared with 2010 and a further decrease of 2.5% in 2012 compared with 2011. More specifically, the production of potatoes amounted to 926.7 thousand tonnes in 2010, 905.9 thousand tonnes in 2011 and 882.8 thousand tonnes in 2012. (Table 2, Graph 4).
- The production of **tomatoes** (total) recorded a decrease of 12.3% in 2011 compared with 2010 and a further decrease of 4.7% in 2012 compared with 2011. More specifically, the production of tomatoes amounted to 1,475.7 thousand tonnes in 2010, 1,294.6 thousand tonnes in 2011 and 1,234.3 thousand tonnes in 2012. (Table 2, Graph 4).
- The production of **must** decreased by 3.5% in 2011 in comparison with 2010 while it increased by 3.1% in 2012 compared with 2011. More specifically, the production of must amounted to 339.1 thousand tonnes in 2010, to 327.1 thousand tonnes in 2011 and to 337.3 thousand tonnes in 2012 (Table 2, Graph 6).
- The production of **oranges** recorded a decrease of 6.4% in 2011 in comparison with 2010 while an increase of 0.3% was observed in 2012 compared with 2011. More specifically, the production of oranges amounted to 905.1 thousand tonnes in 2010, 847.3 thousand tonnes in 2011 and 849.6 thousand tonnes in 2012 (Table 2, Graph 5).
- The production of **peaches-nectarines** recorded a decrease of 0.2% in 2011 compared with 2010 while an increase of 0.6% was observed in 2012 compared with 2011. More specifically, the production of peaches-nectarines amounted to 822.3 thousand tonnes in 2010, 821.0 thousand tonnes in 2011 and 825.9 thousand tonnes in 2012 (Table 2, Graph 5).
- The production of **olive oil** recorded an increase of 18.9% in 2011 compared with 2010, while a decrease of 7.1% was observed in 2012 compared with 2011. More specifically, the production of olive oil amounted to 300.5 thousand tonnes in 2010, 357.2 thousand tonnes in 2011 and 331.9 thousand tonnes in 2012 (Table 2, Graph 6).

Graph 4. Production of main agricultural products from arable crops, 2010 - 2012
in thousand tonnes



Graph 5. Production of main agricultural products from perennial crops, 2010 - 2012*in thousand tonnes*



Graph 6. Production of olive oil and must, 2010 - 2012
in thousand tonnes

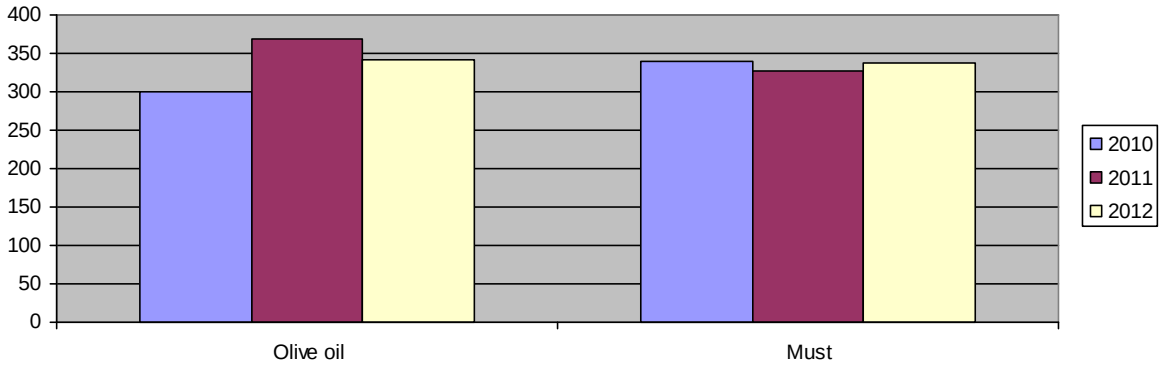


Table 2. Production of agricultural products. Greece total, 2010 - 2012
in thousand tones

				Change (%)	
Crop type	2010	2011	2012	2011/2010	2012/2011
Arable land					
1.1 Cereals for grain					
Common wheat	415.8	441.5	463.1	6.2	4,9
Durum wheat	1,504.5	1,416.0	1,373.9	-5.9	-3,0
Barley	311.1	319.0	336.3	2.5	5,4
Rice	208.2	250.7	230.7	20.4	-8,0
Maize	2,138.5	2,291.8	2,226.2	7.2	-2,9
1.2 Edible pulses					
Beans	20.2	22,7	18.2	12.6	-19.8
Chickpeas	3.4	3.7	3.9	9,4	5.2
Lentils	4.0	4.8	6.5	19,6	35.5
1.3 Industrial plants					
Tobacco	29.9	32.0	34.2	7.2	6.9
Cotton	710.5	814.5	795.5	14.6	-2.3
Sunflower	116.0	147.7	137.6	27.3	-6.8
Groundnuts	1.9	2.0	2.5	4.6	24.0
Sugar beets	889.4	581.5	647.8	-34.6	11.4
Oil seed rape	…..	…..	14.1	……	…...
1.4 Fodder plants	**2,490.2**	**2,457.6**	**2,522.7**	**-1.3**	**2.6**
1.5 Melons and water melons					
Water melons	643.1	639.2	599.6	-0.6	-6.3
Melons	185.4	176.6	170.9	-4.7	-3.3
1.6 Potatoes	**926.7**	**905.9**	**882.8**	**-2.2**	**-2.5**
2. Vegetables					
Tomatoes	1,475.7	1,294.6	1,234.3	-12.3	-4,7
Industrial tomatoes	811.8	643.9	617.0	-20.7	-4,2
Tomatoes grown in the open	405.0	400.3	396.4	-1.2	-1,0
Tomatoes grown in greenhouses	259.0	250.4	220.8	-3.3	-11,8
Green beans	69.9	68.3	66.3	-2.3	-2,9
Cabbages - cauliflowers	223.7	230.1	224.7	2.9	-2,3
Lettuce	82.6	83.7	80.1	1.3	-4,3

3. Permanent crops					
3.1 Vineyards: grapes and raisins					
Wine	545.3	512.3	526.1	-6,1	2.7
Table grapes	174.9	147.5	139.4	-15.7	-5.3
Vines for currants	179.2	173.2	184.2	-3.3	6.3
Must	339.1	327.1	337.3	-3.5	3.1
3.2 Compact plantations					
3.2.1 Citrus trees					
Lemon trees	79.5	80.0	80.7	0.6	0.9
Orange trees	905.1	847.3	849.6	-6.4	0.3
Mandarin trees	137.1	144.3	160.5	5.3	11.2
3.2.2 Fruit trees					
Pear trees	76.5	90.3	87.7	18.0	-2.9
Apples trees	273.8	274.1	265.8	0.1	-3.0
Peach - Nectarine trees	822.3	821.0	825.9	-0.2	0.6
Apricot trees	62.7	66.8	79.5	6.5	19.0
Cherry trees	44.9	49.4	47.3	10.0	-4.3
3.2.3 Nut trees					
Almond trees	43.2	40.1	42.0	-7.2	4.7
Walnut trees	22.6	22.9	23.7	1.3	3.5
Pistachio trees	7,8	8,0	8.0	2,6	-0.7
Fig trees	9.6	10.9	11,3	13.5	3.7
3.2.4 Olives					
Olives for oil	2,250.7	2,217.5	2,466.0	-1.5	11.2
Edible olives	308.9	273.5	359.3	-11.5	31.4
Olive oil	300,5	357,2	331.9	18.9	-7.1

Note: Any discrepancies in the sums are due to rounding.
Percentage changes were calculated before rounding.

C. ANIMAL CAPITAL: NUMBER OF ANIMALS AND PRODUCTION OF LIVESTOCK PRODUCTS

1. Number of animals

The most significant changes in the number of animals, by groups and species, are the following:

- The total number of **bovine animals** recorded a decrease of 0.7% in 2011 compared with 2010 and a further decrease of 2.2% was observed in 2012 compared with 2011. More specifically, the number of bovine animals amounted to 629,004 in 2010, 624,852 in 2011 and 611,131 in 2012 (Table 3, Graph 7).
- The total number of **pigs** decreased by 2.3% in 2011 compared with 2010 and by 3.3% in 2012 compared with 2011. More specifically, the number of pigs amounted to 839,630 in 2010, 819,954 in 2011 and 792,611 in 2012 (Table 3, Graph 7).
- The total number of **sheep** recorded an increase of 0.1% in 2011 compared with 2010 while a decrease of 1.5% was observed in 2012 compared with 2011. More specifically, the number of sheep amounted to 8,903,667 in 2010, 8,913,929 in 2011 and 8,778,430 in 2012 (Table 3, Graph 7).
- The total number of **goats** decreased by 2.2% in 2011 compared with 2010 and by 2.3% in 2012 compared with 2011. More specifically, the number of goats amounted to 5,122,705 in 2010, 5,009,904 in 2011 and 4,895,244 in 2012 (Table 3, Graph 7).
- The total number of **hens** recorded a decrease of 3.2% in 2011 compared with 2010 while an increase of 9.0% was observed in 2012 compared with 2011. More

specifically, the number of hens amounted to 29,018,971 in 2010, 28,079,791 in 2011 and 30,620,384 in 2012 (Table 3).

- The total number of **rabbits** increased by 2.9% in 2011 compared with 2010 while a decrease of 0.6% was observed in 2012 compared with 2011. More specifically, the number of rabbits amounted to 1,193,255 in 2010, 1,228,438 in 2011 and 1,221,250 in 2012 (Table 3, Graph 7).
- The total number of **beehives** increased by 0.3% in 2011 compared with 2010 and by 1.9% in 2012 compared with 2011. More specifically, the number of beehives amounted to 1,422,543 in 2010, 1,427,436 in 2011 and 1,455,013 in 2012 (Table 3, Graph 7).

Graph 7. Number of animals by species, 2010 - 2012

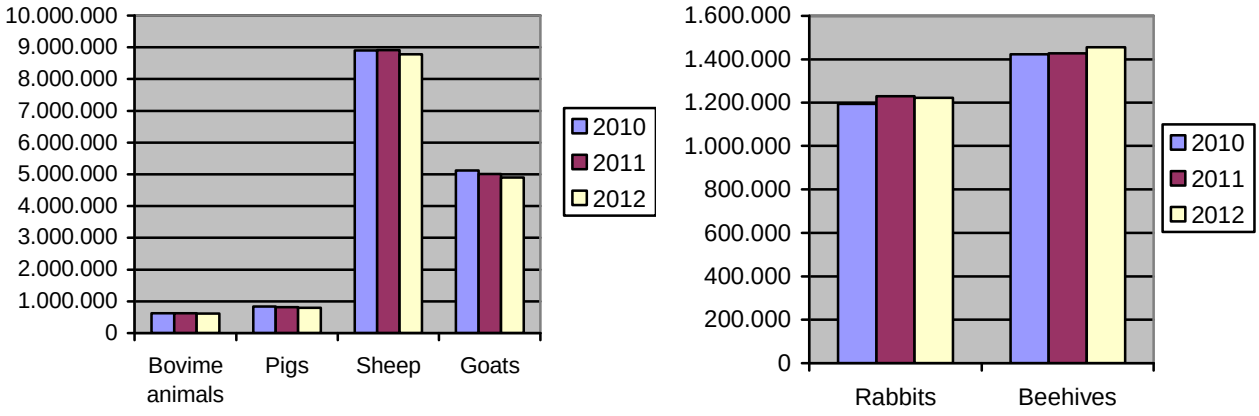


Table 3. Number of animals by species. Greece total, 2010 - 2012

Number of animals or beehives				Change (%)	
Animal species	2010	2011	2012	2011/2010	2011/2012
Bovine animals	**629,004**	**624,852**	**611,131**	**-0.7**	**-2.2**
Pigs	**839,630**	**819,954**	**792,611**	**-2.3**	**-3.3**
Sheep	**8,903,667**	**8,913,929**	**8,778,430**	**0.1**	**-1.5**
Goats	**5,122,705**	**5,009,904**	**4,895,244**	**-2.2**	**-2.3**
Poultry					
Hens	29,018,971	28,079,791	30,620,384	-3.2	9.0
Geese	29,498	29,286	30,711	-0.7	4.9
Ducks	52,256	52,828	52,644	1.1	-0.3
Turkeys	104,946	97,020	97,070	-7.6	0.1
Ostriches	3,744	2,934	3,109	-21.6	6.0
Rabbits	**1,193,255**	**1,228,438**	**1,221,250**	**2.9**	**-0.6**
Beehives	**1,422,543**	**1,427,436**	**1,455,013**	**0.3**	**1.9**

2. Production of meat

The most significant changes in the production of meat, by animal species, are the following:

- the total production of **meat of bovine animals** recorded a decrease of 2.7% in 2011 compared with 2010 and a further decrease of 0.3% in 2012 compared with 2011. More specifically, the production of meat of bovine animal amounted to 72.0 thousand tonnes in 2010, to 70.0 thousand tonnes in 2011 and 69,8 thousand tonnes in 2012 (Table 4, Graph 8).
- the total production of **pig meat** increased by 0.6% in 2011 compared with 2010, while a decrease of 2.3% was observed in 2012 compared with 2011. More specifically, the production of pig meat amounted to 95.2 thousand tonnes in 2010, 95.8 thousand tonnes in 2011 and 93.6 thousand tonnes in 2012 (Table 4, Graph 8).

- the total production of **sheep meat** decreased by 2.1% in 2011 compared with 2010 and by 0.8% in 2012 compared with 2011. More specifically, the production of sheep meat amounted to 94.8 thousand tonnes in 2010, 92.8 thousand tonnes in 2011 and 92.1 thousand tonnes in 2012 (Table 4, Graph 8).
- the total production of **goat meat** decreased by 0.9% in 2011 compared with 2010 and by 2.1% in 2012 compared with 2011. More specifically, the production of meat of goats amounted 53.6 thousand tonnes in 2010, 53.1 thousand tonnes in 2011 and 52.0 thousand tonnes in 2012 (Table 4, Graph 8).
- the total production of **poultry meat** (except ostriches) recorded a decrease of 4.0% in 2011 compared with 2010, while an increase of 6.1% was observed in 2012 compared with 2011. More specifically, the production of poultry meat amounted to 113.7 thousand tonnes in 2010, 109.1 thousand tonnes in 2011 and 115.8 thousand tonnes in 2012 (Table 4, Graph 8).
- the total production of **ostrich meat** recorded a decrease of 33.0% in 2011 compared with 2010, while an increase of 19.1% was observed in 2012 compared with 2011. More specifically, the production of meat of ostriches amounted to 0.3 thousand tonnes in 2010, 0.2 thousand tonnes in 2011 and 0.23 thousand tonnes in 2012. (Table 4).
- the total production of **rabbit meat** recorded no change in 2011 compared with 2010, while an increase of 1.9% was observed in 2012 compared with 2011. More specifically, the production of rabbit meat amounted to 6.9 thousand tonnes in 2010, 6.9 thousand tonnes in 2011 and 7.0 thousand tonnes in 2012 (Table 4, Graph 8).

Graph 8. Production of meat by animal species. Greece total 2010 - 2012
in thousand tones

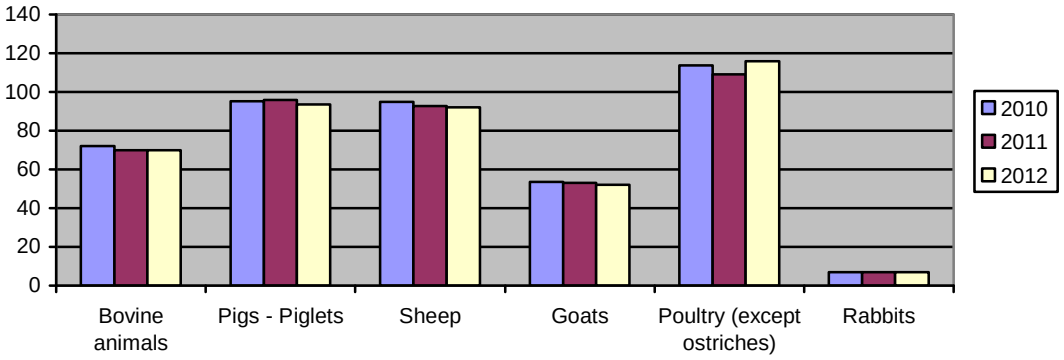


Table 4. Production of meat by animal species. Greece total, 2010 - 2012

in thousand tonnes				Change (%)	
Animal species	2010	2011	2012	2011/2010	2012/2011
Bovine animals	**72.0**	**70.0**	**70.0**	**-2.7**	**-0.0**
Calves younger than 1 year	17.3	16.7	16.3	-3.5	-2.6
Calves 1-2 years	45.8	43.0	42.6	-6.1	-0.9
Heifers and cattle more than 2 years	8.9	10.3	11.1	15.7	8.4
Pigs-piglets	**95.2**	**95.8**	**93.6**	**0.6**	**-2.3**
Piglets	7.8	8.1	7.7	3.8	-4.8
Pigs	87.5	87.7	85.9	0.2	-2.1
Sheep	**94.8**	**92.8**	**92.1**	**-2.1**	**-0.8**
Lambs	76.0	74.2	74.3	-2.4	0.1
Sheep older than 1 year	18.7	18.6	17.8	-1.1	-4.3
Goats	**53.6**	**53.1**	**52.0**	**-0.9**	**-2.1**
Goat kids	42.3	41.9	40.8	-0.9	-2.5
Goats older than 1 year	11.3	11.2	11.2	-0.9	-0.4

Poultry (except ostriches)	**113.7**	**109.1**	**115.8**	**-4.0**	**6.1**
Ostriches	**0.3**	**0.2**	**0.2**	**-33.3**	**19.2**
Rabbits	**6.9**	**6.9**	**7.0**	**0.0**	**1.9**

3. Production of livestock products

The most significant changes in the production of livestock products. in terms of volume of production. are the following:

- The total production of **milk** recorded a decrease of 0.7% in 2011 in comparison with 2010 and a further decrease of 0.5% in 2012 compared with 2011. More specifically. the total production of milk amounted to 2.044.0 thousand tonnes in 2010. 2.029.1 thousand tonnes in 2011 and 2.019.9 thousand tonnes in 2012 (Table 5. Graph 9).
- the total production of **soft cheese** decreased by 3.7% in 2011 compared with 2010 and by 1.1% in 2012 compared with 2011. More specifically. the production of soft cheese amounted to 119.9 thousand tonnes in 2010. 115.5 thousand tonnes in 2011 and 114.2 thousand tonnes in 2012 (Table 5. Graph 9).
- The total production of **eggs** recorded a decrease of 11.9% in 2011 compared with 2010. while an increase of 3.5% was observed in 2012 compared with 2011. More specifically. the production of eggs amounted to 1.919.1 million in 2010. 1.691.2 million in 2011 and 1.750.5 million in 2012 (Table 5. Graph 9).

Graph 9. Production of milk and livestock products. 2010 – 2012
in thousand tonnes

Table 5. Production of milk (by animal species) and livestock products. Greece total. 2010 – 2012

in thousand tonnes

				Change (%)	
Milk (by animal species)	2010	2011	2012	2011/2010	2012/2011
Milk. total	**2.044.0**	**2.029.1**	**2.019.9**	**-0.7**	**-0.5**
Cow milk	799.7	778.4	779.0	-2.7	0.1
Sheep milk	772.6	780.3	778.0	1.0	-0.3
Goat milk	471.7	470.1	462.9	-0.3	-1.5
Livestock products				.	
Cheese. soft	119.9	115.5	114.2	-3.7	-1.1
Cheese. hard	39.3	37.1	39.3	-5.6	5.8
Butter. fresh	1.5	1.4	1.4	-6.7	2.2
Butter. melted	0.5	0.5	0.5	0.0	-2.5
Myzithra cheese	15.3	15.2	16.1	-0.7	6.1

Cream. fresh	4.8	4.3	3.9	-10.4	-10.6
Honey	16.2	16.3	15.8	0.6	-3.2
Eggs (million pieces)	1.919.1	1.691.2	1.750.5	-11.9	3.5

Note:Percentage changes were calculated before rounding.

D. AGRICULTURAL MACHINERY

The most significant changes in the number of agricultural machinery[4] are as follows:

- **Agricultural tractors** increased by 0.5% in 2011 compared with 2010. while a decrease of 0.6% was observed in 2012 compared with 2011. More specifically. the number of the agricultural tractors. which were used. amounted to 390.407 in 2010. 392.310 in 2011 and 389.927 in 2012(Table 6).
- **Spraying machines** slightly increased by 0.2% in 2011 compared with 2010 and by 0.7% in 2012 compared with 2011. More specifically. the number of the spraying machines. which were used. amounted to 229.311 in 2010. 229.742 in 2011 and 231.332 in 2012 (Table 6).
- **Electric irrigation pumps** recorded an increase of 0.5% in 2011 in comparison with 2010 and a further increase of 0.7% in 2012 compared with 2011. More specifically. the number of the electric irrigation pumps. which were used. amounted to 151.118 in 2010. 151.870 in 2011 and 152.871 in 2012 (Table 6).
- **Sprinkling units** increased by 0.5% in 2011 compared with 2010 and further by 2.3% in 2012 compared with 2011. More specifically. the number of the sprinkling units. which were used. amounted to 147.910 in 2010. 148.599 in 2011 and 152.005 in 2012 (Table 6).
- **Drop irrigation systems** increased by 3.8% in 2011 compared with 2010 and by 1.7% in 2012 compared with 2011. More specifically. the number of drop irrigation systems. which were used. amounted to 144.258 in 2010. 149.744 in 2011 and 152.259 in 2012 (Table 6).
- **Petrol pruning saws** increased by 1.8% in 2011 compared with 2010 and by 2.8% in 2012 compared with 2011. More specifically. the number of the petrol pruning saws. which were used. amounted to 245.920 in 2010. 250.306 in 2011 and 257.241 in 2012 (Table 6).

Table 6. Agricultural machinery. 2010 - 2012

				Change (%)	
Type of machinery	2010	2011	2012	2011/2010	2012/2011
Agricultural tractors	390.407	392.310	389.927	0.5	-0.6
Seed drills	60.081	60.509	60.138	0.7	-0.6
Potato planters	2.101	2.246	2.593	6.9	15.4
Spraying machines	229.311	229.742	231.332	0.2	0.7
Combine harvesters	5.522	5.537	5.610	0.3	1.3
Harvesters. simple	7.246	6.952	6.952	-4.1	0.0
Harvesters of any type	1.322	1.322	1.429	0.0	8.1
Simple choppers	12.474	12.412	12.459	-0.5	0.4
Cotton harvesters	3.807	3.875	3.839	1.8	-0.9
Sugar beet harvesters	648	561	527	-13.4	-6.1
Potato harvesters	4.332	4.421	4.194	2.1	-5.1

[4] It refers to the agricultural machinery which was used, except state agricultural machinery.

Other harvesting machinery	278	305	336	9.7	10.2
Irrigation pumps					
Diesel pumps	98.059	97.294	95.411	-0.8	-1.9
Petrol pumps	59.173	57.321	56.938	-3.1	-0.7
Electric pumps	151.118	151.870	152.871	0.5	0.7
Other pumps (steam. windmill pumps. etc) and well windlasses	3.145	3.665	4.147	16.5	13.2
Irrigation systems					
Sprinkling units	147.910	148.599	152.075	0.5	2.3
Self -propelled sprinkler clusters with injectors	47.101	48.012	48.046	1.9	0.1
Self -propelled sprinkler clusters with ramp – mists	13.087	13.104	13.545	0.1	3.4
Drop irrigation systems	144.258	149.744	152.259	3.8	1.7
Other machinery					
Hatchers	633	510	544	-19.4	6.7
Milking machines	13.958	13.387	13.384	-4.1	0.0
Cream separators	961	946	952	-1.6	0.6
Corn graders	2.266	1.807	1.707	-20.3	-5.5
Maize Sheller	779	690	677	-11.4	-1.9
Cotton gins	182	152	122	-16.5	-19.7
Tobacco threading machines	17.724	14.506	14.087	-18.2	-2.9
Petrol pruning saws	245.920	250.306	257.241	1.8	2.8
Honey extraction machines	2.089	2.667	3.157	27.7	18.4

EXPLANATORY NOTES

Annual Agricultural Statistical Survey

The Hellenic Statistical Authority in cooperation with the central and regional offices of the Ministry of Rural Development and Food. the local authorities. the local government bodies and the Rural Guard (municipal. communal secretary - statistical reporters- rural guards). as well as with the experienced inhabitants of the rural settlements has been conducting since 1961 the Annual Statistical Survey on Agriculture and Livestock.

Purpose of the survey

The purpose of the survey is to collect statistical data on the cultivated areas under several crops and on the production of agricultural and livestock products. as well as the agricultural machinery used. The data are necessary for drawing the agricultural policy of the country but also for covering other national and international needs and obligations.

Legal Framework

The legal frame for the conduct of the annual statistical agricultural survey is the Royal Decree No 111/15-2-1962 and the Joint Ministerial Decisions No 8710/Γ2-1246/5-8-2010 and 2198/Γ2-248/24-2-2012 signed by the Minister of National Economy and the Deputy Minister of Interior. Public Administrations and Decentralization. as well as the relevant joint ministerial decision issued every year pertaining to the Approval. open tender and assignment of the conduct of the Annual Agricultural Statistical Survey and approval of the competent bodies for the survey conduct and their remuneration.

Reference Period

The survey refers to the years 2010. 2011and 2012.

Methodology and Coverage

The statistical unit of this survey is the land area within the administrative boundaries of each communal/municipal department of the country according to “Kapodistrias Plan” and “Kallikratis Plan”. The survey covers. on a census basis. all the above-mentioned administrative departments except the area of Agion Oros. for which no data are collected.

Publication of data

The survey results are available on a yearly basis since 1961.

References

More information on the results of the survey is available on the ELSTAT website www.statistics.gr. under the link “Statistical themes” > Agriculture> Cultivated areas.