HELLENIC REPUBLIC
HELLENIC STATISTICAL AUTHORITY

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PRESS RELEASE

ANNUAL AGRICULTURAL STATISTICAL SURVEY: 2016

The Hellenic Statistical Authority (ELSTAT) announces the results of the 2016 Annual Agricultural Statistical Survey.

A. CULTIVATED AREAS

The **total utilized agricultural area** (arable land, crops under vegetables, permanent crops and fallow land) in 2016 amounted to 32,540.8 thousand stremmas.

Cultivated areas by main crop type and by year as presented in Table 1 and Graph 1, are distributed as follows:

- in 2016, 53.0% of the cultivated area (17,240.4 thousand stremmas) was used for arable farming, 2.0% (634.3 thousand stremmas) was used for vegetables (net area), 34.2% (11,136.5 thousand stremmas) for permanent crops and 10.8% (3,529.6 thousand stremmas) was fallow land,
- in 2015, 52.9% (17,370.6 thousand stremmas) of the cultivated area was used for arable farming, 2.0% (673.2 thousand stremmas) was used for vegetables (net area), 33.9% (11,111.3 thousand stremmas) for permanent crops and 11.2% (3,670.1 thousand stremmas) was fallow land,
- in 2014, 53.1% (17,663.3 thousand stremmas) of the cultivated area was used for arable farming, 2.0% (670.3 thousand stremmas) was used for vegetables (net area), 33.2% (11,040.7 thousand stremmas) for permanent crops and 11.8% (3,914.4 thousand stremmas) was fallow land.

Table 1. Areas under cultivation by type of crop (Greece total), 2014 – 2016
In thousand stremmas (1 stremma=0.1 ha)

Crop type	2014	2015	2016	Change (%) 2015/2014	Change (%) 2016/2015
Total cultivated agricultural area*	**33,288.7**	**32,825.2**	**32,540.8**	**-1.4**	**-0.9**
Irrigated	12,553.8	12,341.4	12,083.0	-1.7	-2.1
1. Arable land	**17,663.3**	**17,370.6**	**17,240.4**	**-1.7**	**-0.7**
Irrigated	7,424.7	7,244.4	6,987.1	-2.4	-3.6
2. Crops under vegetables (net area)	**670.3**	**673.2**	**634.3**	**0.4**	**-5.8**
Irrigated	663.3	644.1	631.8	-2.9	-1.9
3. Permanent crops*	**11,040.7**	**11,111.3**	**11,136.5**	**0.6**	**0.2**
Irrigated	4,465.8	4,452.9	4,464.1	-0.3	0.3
4. Fallow land	**3,914.4**	**3,670.1**	**3,529.6**	**-6.2**	**-3.8**
of which: lands preserved in good agricultural and environmental condition	1,686.8	1,832.7	1,855.8	8.6	1.3

*The revision is due to areas under vines of Table 2 and the impact on the total of the areas under permanent crops and on the total agricultural cultivated areas is not considered significant.

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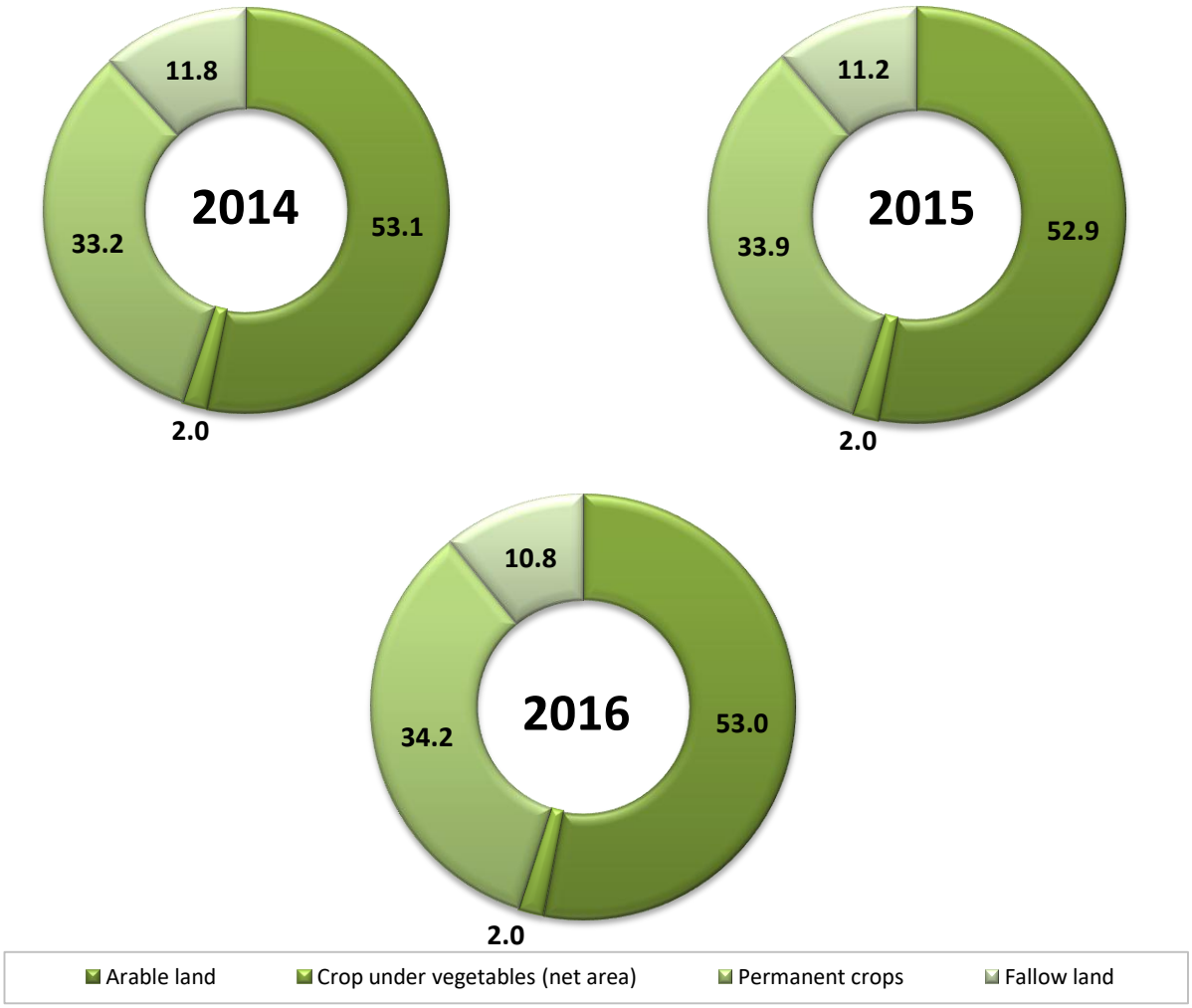
Graph 1. Percentage (%) distribution of the cultivated agricultural area by categories, 2014 – 2016



The change of the most important (in terms of land cover percentage of the total agricultural land) cultivated species, as recorded by type of crop and presented in Table 2, are the following:

- the cultivated areas under **durum wheat** recorded an increase of 12.8% in 2016 compared with 2015 and a decrease of 11.0% in 2015 compared with 2014. More specifically, the cultivated areas under durum wheat amounted to 3,907.5 thousand stremmas in 2016, to 3,463.4 thousand stremmas in 2015 and 3,889.7 thousand stremmas in 2014,
- the cultivated areas under **grain maize** decreased by 9.7% in 2016 compared with 2015 and decreased by 12.4% in 2015 compared with 2014. More specifically, the areas under maize amounted to 1,328.3 thousand stremmas in 2016, to 1,470.9 thousand stremmas in 2015 and 1,678.8 thousand stremmas in 2014,
- the cultivated areas under **cotton** recorded a decrease of 8.5% in 2016 compared with 2015 and a decrease of 2.5% in 2015 compared with 2014. More specifically, the areas under cotton amounted to 2,463.8 thousand stremmas in 2016, to 2,693.2 thousand stremmas in 2015 and 2,761.9 thousand stremmas in 2014,
- the cultivated areas under **vines** (**total**) decreased by 3.8% in 2016 compared with 2015 and increased by 0.9% in 2015 compared with 2014. More specifically, the areas under vines amounted to 911.4 thousand stremmas in 2016, to 947.2 thousand stremmas in 2015 and 938.4 thousand stremmas in 2014,
- the cultivated area under **olives for oil** increased by 2.6% in 2016 compared with 2015 and increased by 1.0% in 2015 compared with 2014. More specifically, the cultivated areas under olives for oil amounted 7,288.4 thousand stremmas in 2016, to 7,103.0 thousand stremmas in 2015 and 7,033.2 thousand stremmas in 2014.

Table 2. Cultivated land, by type of crop (Greece total), 2014 – 2016

In thousand stremmas

Cultivated species by crop type	2014	2015	2016	Change (%) 2015/2014	Change (%) 2016/2015
1. Arable land					
1.1 Cereals for grain	**9,876.9**	**8,983.9**	**9,153.8**	**-9.0**	**1.9**
Common wheat	1,827.9	1,558.0	1,487.8	-14.8	-4.5
Durum wheat	3,889.7	3,463.4	3,907.5	-11.0	12.8
Barley	1,486.0	1,402.2	1,325.4	-5.6	-5.5
Rice	270.9	290.4	321.5	7.2	10.7
Grain Maize	1,678.8	1,470.9	1,328.3	-12.4	-9.7
Other cereals	723.6	799.0	783.0	10.4	-2.0
1.2 Edible pulses	**193.6**	**251.5**	**288.5**	**29.9**	**14.7**
1.3 Industrial Plants	**3,918.9**	**4,049.5**	**3,623.0**	**3.3**	**-10.5**
Tobacco	217.4	198.9	187.6	-8.5	-5.7
Cotton	2,761.9	2,693.2	2,463.8	-2.5	-8.5
Other industrial plants	939.6	1,157.4	971.6	23.2	-16.1
1.4 Aromatic plants	**23.6**	**31.3**	**35.1**	**32.6**	**12.4**
1.5 Fodder plants	**3,385.8**	**3,712.5**	**3,844.6**	**9.7**	**3.6**
1.6 Melons and water melons	**170.7**	**159.5**	**140.8**	**-6.6**	**-11.7**
Water melons	116.9	105.7	93.0	-9.6	-12.0
Melons	53.8	53.8	47.8	0.0	-11.1
1.7 Potatoes	**261.5**	**235.4**	**208.9**	**-10.0**	**-11.2**
2. Crops under vegetables					
2.1 Vegetable crops	**738.2**	**738.2**	**681.8**	**0.0**	**-7.6**
Tomatoes (total)	173.4	174.2	156.4	0.5	-10.2
Other vegetables	564.8	564.0	525.4	0.3	-6.8
2.2 Commercial flower gardens	**3.1**	**4.2**	**3.9**	**35.5**	**-7.7**
2.3 Greenhouses	**57.9**	**61.0**	**60.2**	**5.5**	**-1.5**
3. Permanent crops					
3.1 Vineyards (total)*	**938.4**	**947.2**	**911.4**	**0.9**	**-3.8**
Vines for wine	529.2	544.6	517.2	2.9	-5.0
Vines for table grapes*	96.0	92.0	96.2	-4.2	4.5
Vines for currants*	313.2	310.6	298.0	-0.8	-4.1
3.2 Trees in compact plantations	**10,154.6**	**10,164.1**	**10,225.2**	**0.1**	**0.6**
3.2.1 Citrus trees	**433.6**	**426.4**	**417.0**	**-1.7**	**-2.2**
Lemon trees	48.4	41.9	43.5	-13.5	3.9
Orange trees	311.6	312.6	296.9	0.3	-5.0
Mandarin trees	70.6	69.2	73.9	-2.0	6.8
Other citrus trees	2.9	2.7	2.7	-6.9	-1.2
3.2.2 Fruit trees	**828.2**	**863.3**	**895.3**	**4.2**	**3.7**
Pear trees	34.0	37.9	39.3	11.4	3.8
Apples trees	98.1	98.3	96.8	0.2	-1.5
Peach - Nectarine trees	378.6	386.5	397.3	2.1	2.8
Other fruit trees	317.5	340.7	361.9	7.3	6.2
3.2.3 Nut trees	**374.2**	**380.1**	**390.5**	**1.6**	**2.7**
Almond trees	116.2	118.6	121.3	2.1	2.3
Walnut trees	85.2	89.6	102.5	5.1	14.4
Other nut trees	172.8	171.9	166.8	-0.5	-3.0
3.2.4 Olives	**8,182.9**	**8,212.1**	**8,262.7**	**0.4**	**0.6**
Olives for oil	7,033.2	7,103.0	7,288.4	1.0	2.6

Cultivated species by crop type	2014	2015	2016	Change (%) 2015/2014	Change (%) 2016/2015
Edible olives	1,149.7	1,109.1	974.3	-3.5	-12.2
3.2.5 Other trees	**283.4**	**282.2**	**259.7**	**-0.4**	**-8.0**

Note: Any discrepancies in the sums and percentages are due to rounding

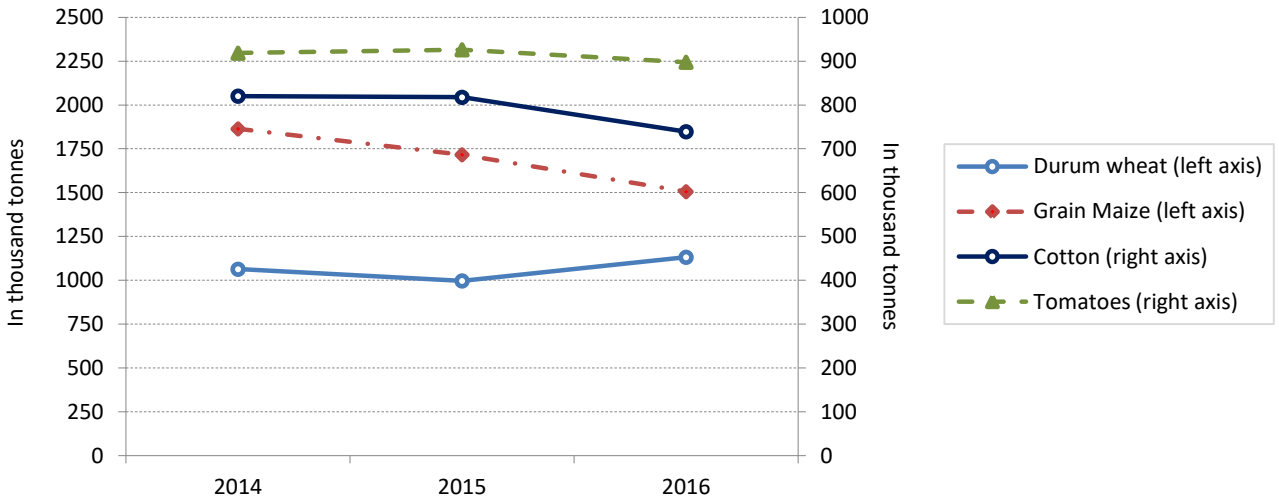
*Revised data

B. PRODUCTION OF AGRICULTURAL PRODUCTS

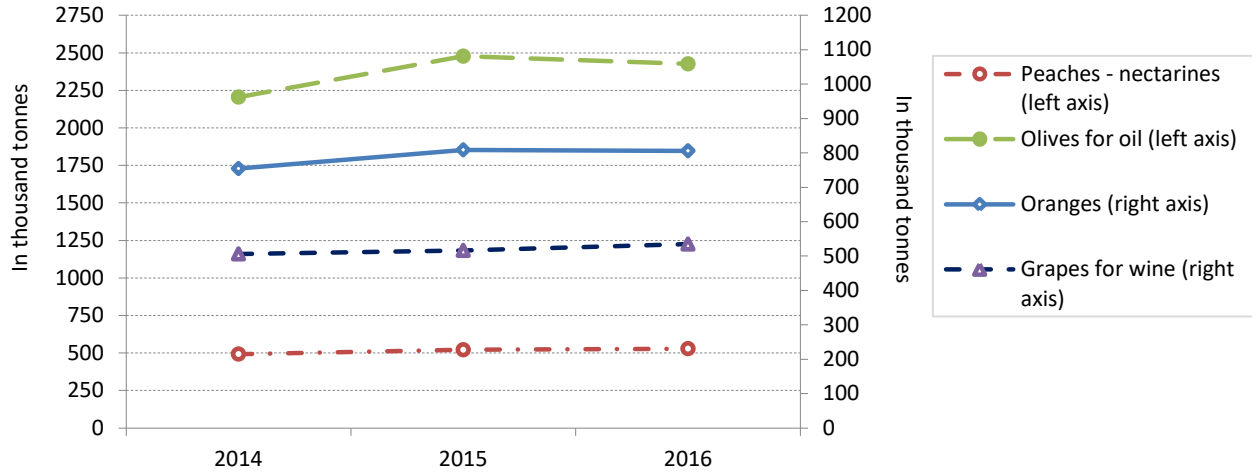
The major changes, in terms of volume of production of agricultural products, by group and species of products as presented in Table 3 are the following:

- the production of **durum wheat** increased by 13.5% in 2016 compared with 2015 and decreased by 6.3% in 2015 compared with 2014. More specifically, the production of durum wheat amounted to 1,131.9 thousand tonnes in 2016, to 996.9 thousand tonnes in 2015 and 1,063.5 thousand tonnes in 2014 (Graph 2),
- the production of **grain maize** decreased by 12.2% in 2016 compared with 2015 and decreased by 7.9% in 2015 compared with 2014. More specifically, the production of grain maize amounted to 1,505.5 thousand tonnes in 2016, to 1,716.5 thousand tonnes in 2015 and 1,864.0 thousand tonnes in 2014 (Graph 2),
- the production of **cotton** decreased by 9.6% in 2016 compared to 2015 and decreased by 0.3% in 2015 compared with 2014. More specifically, the production of cotton amounted to 739.1 thousand tonnes in 2016, to 817.6 thousand tonnes in 2015 and 820.3 thousand tonnes in 2014 (Graph 2),
- the production of **tomatoes (total)** decreased by 3.1% in 2016 compared with 2015 and increased by 0.8% in 2015 compared with 2014. More specifically, the production of tomatoes amounted to 897.7 thousand tonnes in 2016, to 926.1 thousand tonnes in 2015 and 918.4 thousand tonnes in 2014 (Graph 2),
- the production of **oranges** decreased by 0.3% in 2016 compared with 2015 and increased by 7.2% in 2015 compared with 2014. More specifically, the production of oranges amounted to 805.9 thousand tonnes in 2016, to 808.6 thousand tonnes in 2015 and 754.2 thousand tonnes in 2014 (Graph 3).
- the production of **peaches-nectarines** increased by of 1.5% in 2016 compared with 2015 and increased by 5.8% in 2015 compared with 2014. More specifically, the production of peaches-nectarines amounted to 528.7 thousand tonnes in 2016, to 521.1 thousand tonnes in 2015 and 492.7 thousand tonnes in 2014 (Graph 3),
- the production of **grapes for wine** increased by 3.6% in 2016 compared with 2015 and increased by 2.0% in 2015 compared with 2014. More specifically, the production of grapes for wine amounted to 534.8 thousand tonnes in 2016, to 516.2 thousand tonnes in 2015 and 506.1 thousand tonnes in 2014 (Graph 3),
- the production of **must** increased by 1.0% in 2016 compared with 2015 and decreased by -1.1% in 2015 compared with 2014. More specifically, the production of must amounted to 302.5 thousand tonnes in 2016, to 299.6 thousand tonnes in 2015 and 302.9 thousand tonnes in 2014 (Graph 4),
- the production of **olives for oil** decreased by 2.1% in 2016 compared with 2015 and increased by 12.3% in 2015 compared with 2014. More specifically, the production of olives for oil amounted to 2,426.0 thousand tonnes in 2016, to 2,477.2 thousand tonnes in 2015 and 2,205.0 thousand tonnes in 2014 (Graph 3),
- the production of **olive oil** decreased by 1.6% in 2016 compared with 2015 and increased by 32.6% in 2015 compared with 2014. More specifically, the production of olive oil amounted to 328.0 thousand tonnes in 2016, to 333.3 thousand tonnes in 2015 and 251.4 thousand tonnes in 2014 (Graph 4).

Graph 2. Production of main agricultural products from annual crops, 2014 – 2016



Graph 3. Production of main agricultural products from perennial crops, 2014 – 2016



Graph 4. Production of olive oil and must, 2014 – 2016

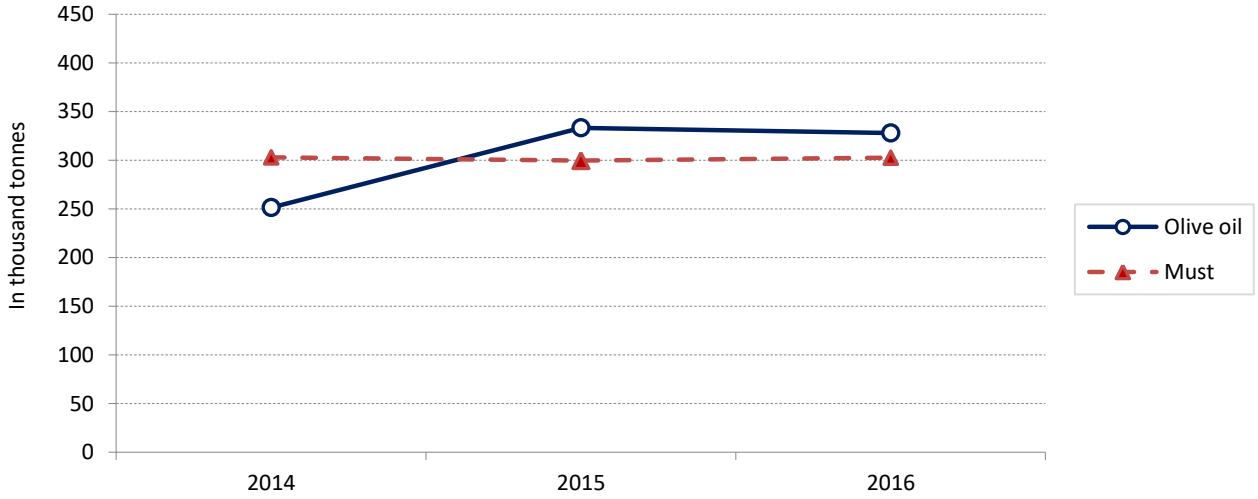


Table 3. Production of agricultural products, 2014 – 2016

In thousand tonnes

Products	2014	2015	2016	Change (%) 2015/2014	Change (%) 2016/2015
Cereals					
Common wheat	506.9	461.8	428.9	-8.9	-7.1
Durum wheat	1,063.5	996.9	1,131.9	-6.3	13.5
Barley	420.8	412.6	381.7	-1.9	-7.5
Rice	229.4	263.6	277.5	14.9	5.2
Grain Maize	1,864.0	1,716.5	1,505.0	-7.9	-12.2
Edible pulses					
Beans	18.5	20.8	17.3	12.4	-17.1
Chickpeas	7.9	11.6	15.0	46.8	29.4
Lentils	7.0	8.6	12.2	22.9	41.7
Industrial plants					
Tobacco	40.9	37.0	37.9	-9.5	2.3
Cotton	820.3	817.6	739.1	-0.3	-9.6
Fodder plants (total)	**2,389.6**	**2,968.3**	**3,033.6**	**24.2**	**2.2**
Melons and water melons					
Water melons	437.7	433.5	389.2	-1.0	-10.2
Melons	122.2	116.5	103.5	-4.7	-11.2
Potatoes (total)	**616.3**	**583.2**	**495.5**	**-5.4**	**-15.0**
Vegetables					
Tomatoes (total)	918.4	926.1	897.7	0.8	-3.1
Green beans	51.7	56.1	52.0	8.5	-7.4
Cabbages - cauliflowers	143.1	133.3	112.5	-6.8	-15.6
Lettuce	60.6	62.7	51.9	3.5	-17.3
Grapes					
Grapes for Wine	506.1	516.2	534.8	2.0	3.6
Table grapes	226.2	228.9	245.7	1.2	7.4
Raisins	64.0	60.3	53.4	-5.8	-11.4
Must*	302.9	299.6	302.5	-1.1	1.0
Citrus					
Lemons	59.3	61.0	64.8	2.9	6.1
Oranges	754.2	808.6	805.9	7.2	-0.3
Tangerins	158.9	161.1	162.9	1.4	1.1
Fruit					
Pears	59.7	94.9	99.8	59.0	5.2
Apples	252.3	267.0	279.7	5.8	4.7
Peaches - Nectarines	492.7	521.1	528.7	5.8	1.5
Nuts					
Almonds	36.9	37.6	38.6	1.9	2.7
Walnuts	24.6	25.9	28.8	5.3	10.9
Olives					
Olives for oil	2,205.0	2,477.2	2,426.0	12.3	-2.1
Edible olives	387.4	430.7	453.5	11.2	5.3
Olive oil	251.4	333.3	328.0	32.6	-1.6

Note: Any discrepancies in the sums and percentages are due to rounding

*Revised data

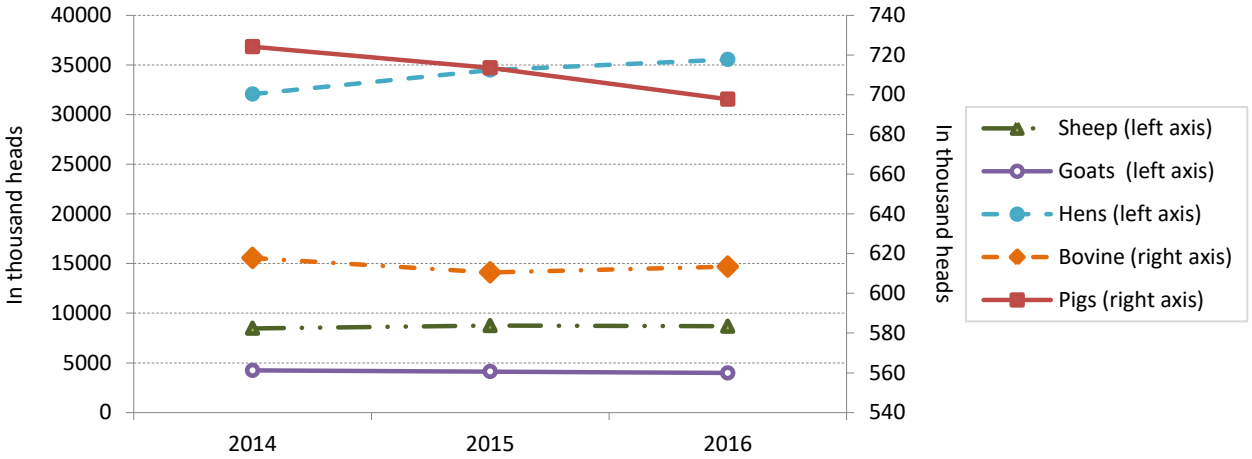
C. LIVESTOCK: NUMBER OF ANIMALS AND PRODUCTION OF LIVESTOCK PRODUCTS

1. Number of animals

The changes in the number of animals, by groups and species, as presented in Table 4 and Graphs 5 and 6, are the following:

- the total number of **bovine animals** increased by 0.5% in 2016 compared with 2015 and decreased by 1.2% in 2015 compared with 2014. More specifically, the number of bovine animals amounted to 613,390 in 2016, to 610,517 in 2015 and 617,780 in 2014,
- the total number of **pigs** decreased by 2.2% in 2016 compared with 2015 and decreased by 1.5% in 2015 compared with 2014. More specifically, the number of pigs amounted to 697,724 in 2016, to 713,519 in 2015 and 724,150 in 2014,
- the total number of **sheep** decreased by 0.8% in 2016 compared with 2015 and increased by 3.1% in 2015 compared with 2014. More specifically, the number of sheep amounted to 8,680,235 in 2016, to 8,746,260 in 2015 and 8,481,073 in 2014,
- the total number of **goats** decreased by 3.7% in 2016 compared with 2015 and decreased by 2.5% in 2015 compared with 2014. More specifically, the number of goats amounted to 3,975,504 in 2016, to 4,128,036 in 2015 and 4,233,970 in 2014,
- the total number of **hens** increased by 3.1% in 2016 compared with 2015 and increased by 7.5% in 2015 compared with 2014. More specifically, the number of hens amounted to 35,544,837 in 2016, to 34,477,153 in 2015 and 32,061,763 in 2014.

Graph 5. Livestock (number of animals), by species, 2014 – 2016



Graph 6. Percentage change (%) of livestock by species, 2014 – 2016

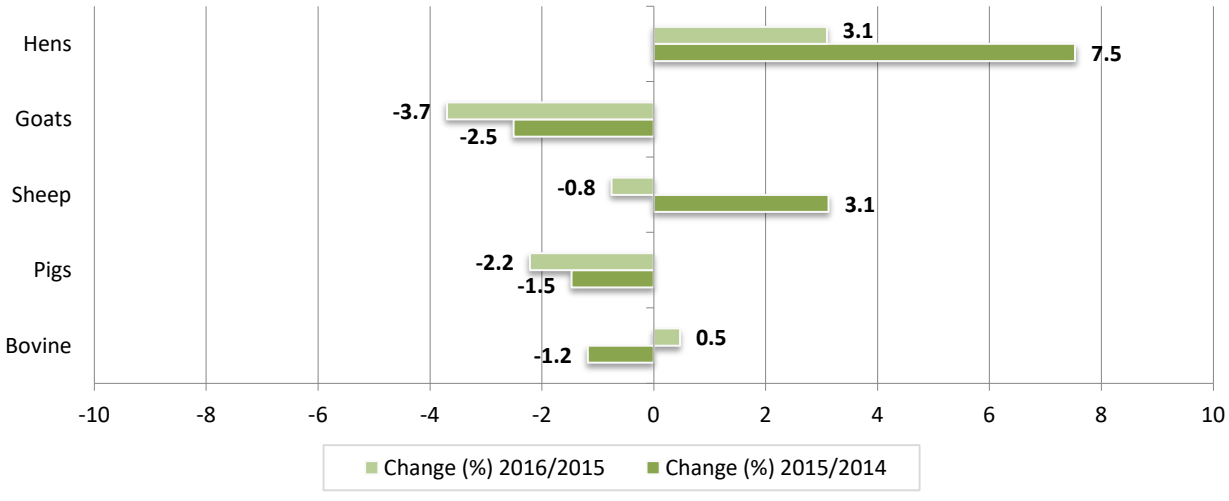


Table 4. Livestock by species, 2014 – 2016

Number of animals or beehives

Animal Species	2014*	2015*	2016	(%) Change 2015/2014*	(%) Change 2016/2015
Bovine animals	**617,780**	**610,517**	**613,390**	**-1.2**	**0.5**
Pigs	**724,150**	**713,519**	**697,724**	**-1.5**	**-2.2**
Sheep	**8,481,073**	**8,746,260**	**8,680,235**	**3.1**	**-0.8**
Goats	**4,233,970**	**4,128,036**	**3,975,504**	**-2.5**	**-3.7**
Poultry					
Hens	32,061,763	34,477,153	32,544,837	7.5	3.1
Geese	22,668	19,645	19,241	-13.3	-2.1
Ducks	32,936	26,212	25,600	-20.4	-2.3
Turkeys	242,672	239,064	267,346	-2.6	11.8
Rabbits	**929,400**	**905,678**	**900,165**	**-2.6**	**-0.6**
Beehives	**1,528,767**	**1,540,974**	**1,579,786**	**0.8**	**2.5**

Note: Any discrepancies in the sums and percentages are due to rounding

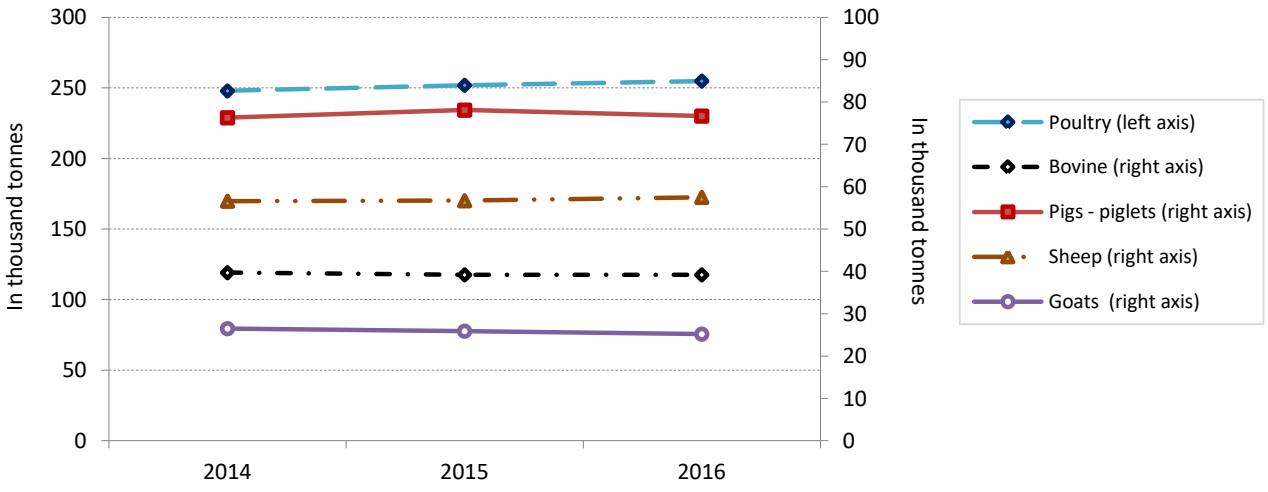
*Revised data

2. Production of meat

The most significant changes in the production of meat, by animal species, as presented in Table 5 and Graph 7 and 8, are the following:

- the total production of **beef** decreased by 0.1% in 2016 compared with 2015 and decreased by 1.4% in 2015 compared with 2014. More specifically, the production of beef amounted to 39.2 thousand tonnes in 2016, to 39.2 thousand tonnes in 2015 and 39.7 thousand tonnes in 2014,
- the total production of **pork meat** decreased by 1.7% in 2016 compared with 2015 and increased by 2.3% in 2015 compared with 2014. More specifically, the production of pork meat amounted to 76.7 thousand tonnes in 2016, to 78.1 thousand tonnes in 2015 and 76.3 thousand tonnes in 2014,
- the total production of **sheep meat** increased by 1.3% in 2016 compared with 2015 and increased by 0.1% in 2015 compared with 2014. More specifically, the production of sheep meat amounted to 57.5 thousand tonnes in 2016, to 56.7 thousand tonnes in 2015 and 56.6 thousand tonnes in 2014,
- the total production of **goat meat** decreased by 2.5% in 2016 compared with 2015 and decreased by 2.4% in 2015 compared with 2014. More specifically, the production of goat meat amounted 25.2 thousand tonnes in 2016, to 25.9 thousand tonnes in 2015 and 26.5 thousand tonnes in 2014,
- the total production of **poultry meat** (except ostriches) increased by 1.2% in 2016 compared with 2015 and increased by 1,6% in 2015 compared with 2014. More specifically, the production of poultry meat amounted to 254.9 thousand tonnes in 2016, to 251.9 thousand tonnes in 2015 and 247.9 thousand tonnes in 2014,

Graph 7. Production of meat by animal species, 2014 – 2016



Graph 8. Percentage change (%) of meat production, by animal species, 2014 – 2016

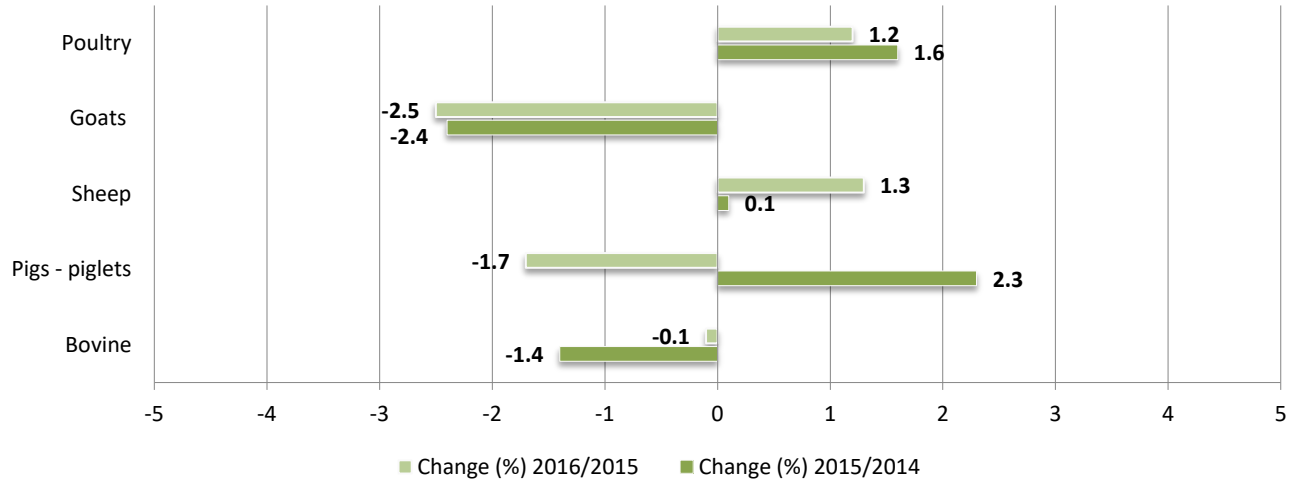


Table 5. Production of meat by animal species, 2014 – 2016

In thousand tonnes

Animal species	2014*	2015*	2016	Change (%) 2015/2014*	Change (%) 2016/2015
Bovine animals	**39.7**	**39.2**	**39.2**	**-1.4**	**-0.1**
Calves younger than 1 year	7.5	7.3	7.2	-3.1	-0.7
Calves 1-2 years	25.3	24.3	24.2	-3.7	-0.5
Heifers and cattle more than 2 years	6.9	7.6	7.7	9.2	1.8
Pigs-piglets	**76.3**	**78.1**	**76.7**	**2.3**	**-1.7**
Piglets	4.2	4.3	4.3	1.9	0.1
Pigs	72.1	73.8	72.4	2.4	-1.9
Sheep	**56.6**	**56.7**	**57.5**	**0.1**	**1.3**
Lambs	45.1	45.5	46.2	0.7	1.7
Sheep older than 1 year	11.5	11.3	11.3	-2.0	-0.1
Goats	**26.5**	**25.9**	**25.2**	**-2.4**	**-2.5**
Goat kids	21.3	20.2	20.0	-4.7	-1.0
Goats older than 1 year	5.2	5.6	5.2	7.2	-7.9
Poultry (except ostriches)	**247.9**	**251.9**	**254.9**	**1.6**	**1.2**
Rabbits	**3.9**	**3.7**	**3.5**	**-5.6**	**-4.7**

Note: Any discrepancies in the sums and percentages are due to rounding

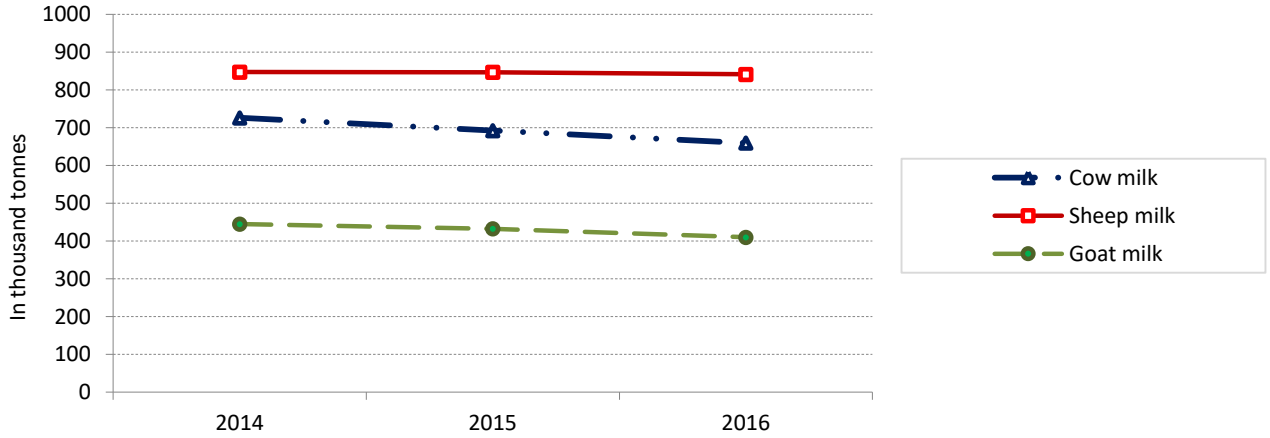
*Revised data

3. Production of livestock products

The most significant changes in the production of livestock products, in terms of volume of production, as presented in Table 6 and Graphs 9 and 10, are the following:

- the total production of **milk** decreased by 3.1% in 2016 compared with 2015 and decreased by 2.3% in 2015 compared with 2014. More specifically, the total production of milk amounted to 1,910.2 thousand tonnes in 2016, to 1,971.5 thousand tonnes in 2015 and 2,017.8 thousand tonnes in 2014,
- the production of **soft cheese** increased by 2.7% in 2016 compared with 2015 and decreased by 5.8% in 2015 compared with 2014. More specifically, the production of soft cheese amounted to 96.0 thousand tonnes in 2016, to 93.4 thousand tonnes in 2015 and 99.2 thousand tonnes in 2014,
- the production of **eggs** decreased by 2.8% in 2016 compared with 2015 and increased by 0.3% in 2015 compared with 2014. More specifically, the production of eggs amounted to 1,339.0 million pieces in 2016, to 1,337.1 million pieces in 2015 and 1,372.7 million pieces in 2014.

Graph 9. Milk production, 2014 – 2016



Graph 10. Percentage change (%) of milk production and animal products, 2014 – 2016

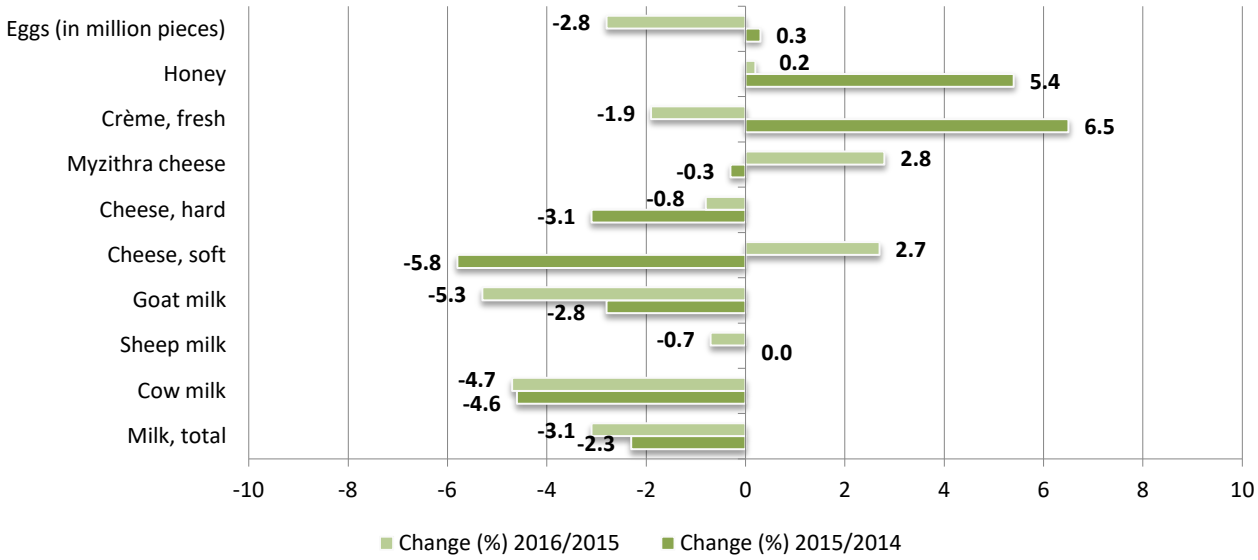


Table 6. Production of milk (by animal species) and livestock products, 2014 – 2016

In thousand tonnes

Products	2014*	2015*	2016	Change (%) 2015/2014*	Change (%) 2016/2015
Milk, total	**2,017.8**	**1,971.5**	**1,910.2**	**-2.3**	**-3.1**
Cow milk	725.9	692.2	659.5	-4.6	-4.7
Sheep milk	847.1	846.8	841.0	0.0	-0.7
Goat milk	444.8	432.5	409.7	-2.8	-5.3
Livestock products*					
Cheese, soft	99.2	93.4	96.0	-5.8	2.7
Cheese, hard	36.8	35.7	35.5	-3.1	-0.8
Butter, fresh	0.8	0.8	0.8	0.0	-3.5
Butter, melted	0.3	0.4	0.4	19.4	1.3
Myzithra cheese	12.7	12.7	13.0	-0.3	2.8
Cream, fresh	3.8	4.1	4.0	6.5	-1.9
Honey	19.7	20.8	20.9	5.4	0.2
Eggs (million pieces)	1,372.7	1,377.1	1,339.0	3.0	-2.8

Note: Any discrepancies in the sums and percentages are due to rounding

*Revised data

D. AGRICULTURAL MACHINERY

The most significant changes in the number of agricultural machinery[1] as presented in Table 7 and Graph 11 are as follows:

- **Agricultural tractors** decreased by 1.2% in 2016 compared with 2015 and increased by 1.7% in 2015 compared with 2014. More specifically, the number of the agricultural tractors, which were used, amounted to 382,176 in 2016,to 386,634 in 2015 and 380,229 in 2014,
- **Sprayers** increased by 3.7% in 2016 compared with 2015 and increased by 2.7% in 2015 compared with 2014. More specifically, the number of the spraying machines, which were used, amounted to 256,048 in 2016, to 246,828 in 2015 and 240,314 in 2014,
- **Irrigation systems** decreased by 2.3% in 2016 compared with 2015 and decreased by 1.0% in 2015 compared with 2014. More specifically, the number of drop irrigation systems, which were used, amounted to 371,059 in 2016, to 379,666 in 2015 and 383,655 in 2014.

Table 7. Agricultural machinery, 2014 – 2016

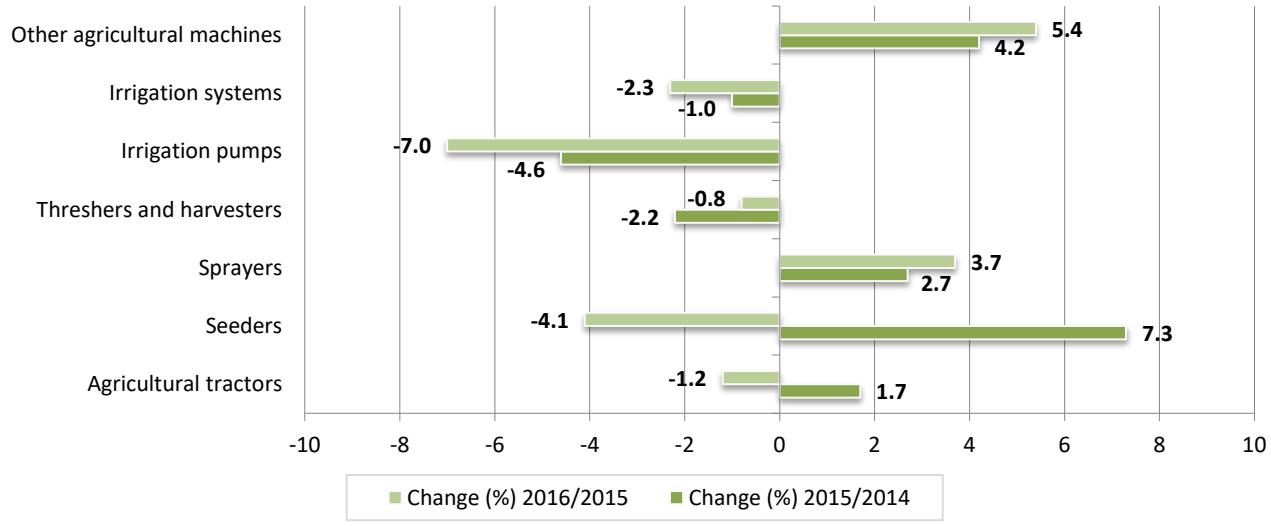
Number of agricultural machinery

Type of machinery	2014	2015	2016	Change (%) 2015/2014	Change (%) 2016/2015
Agricultural tractors*	380,229	386,634	382,176	1.7	-1.2
Seeders	59,264	63,599	60,961	7.3	-4.1
Sprayers*	240,314	246,828	256,048	2.7	3.7
Threshers and harvesters	36,256	35,470	35,170	-2.2	-0.8
Irrigation pumps	272,327	259,810	241,589	-4.6	-7.0
Irrigation systems	383,655	379,666	371,059	-1.0	-2.3
Other agricultural machines	375,126	390,726	411,713	4.2	5.4

Note: Any discrepancies percentages are due to rounding

*Revised data

Graph 11. Percentage change (%) of agricultural machinery, 2014 – 2016



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

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, 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 framework 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/C2-1246/5-8-2010 and 2198/C2-248/24-2-2012 signed by the Minister of National Economy and the Deputy Minister of Interior, Public Administrations and Decentralization, as well as the relevant decision of the President of ELSTAT issued annually, on the approval, procurement, assignment and cost allocation on conducting the Annual Agricultural Statistical Survey and approval for using private bodies for the conduct of the survey and their remuneration.

Reference Period

Year 2016

Definitions

1 stremma = 0.1 ha

Vegetable crops: areas under vegetables include combined cropping and / or successive crops
Tomatoes (total): industrial tomatoes, tomato grown in the open and greenhouse tomato
Greenhouses: net areas of greenhouse flowers and vegetables
Other cereals: oats, rye, sorghum, meslin, millet, canary seed
Other edible pulses: broad beans, horse beans, peas, etc.
Other industrial plants: sesame, sorghum, soybeans, pumpkin seed, etc.
Other vegetables: Broccoli, spinach, leek, onion, celery, garlic, peas, radish, peas, beans, beets, endive, chicory, chard, carrots, okra, zucchini, cucumbers, pumpkins, eggplants, peppers, artichokes, asparagus, strawberries, dill, parsley, rocket and mushrooms.
Other citrus trees: cherry trees, quince trees, sloe trees, plum trees, kiwi trees and pomegranate trees.
Other nut trees: hazelnut trees and chestnut trees.
Other trees: carob trees, avocados, mastic trees, loquat trees, banana trees and other trees (palm trees, willow trees etc.).
Agricultural tractors: Single-axle (dredgers, mowers, mini-mowers, etc.) and Biaxial tractors
Seeders: Wheat, cotton, maize, bean seeders, high technology seeders for linear sowing (eg carrots, onions) and potato mowers.
Sprayers: High-pressure sprinklers, Motorized sprayers, Motorized sprayers of linear crops, Motorized mufflers
Threshers and harvesters: Combine harvesters, Simple mowers of all types, thresher machines of all types, Simple windrowers, Cotton

collectors, Beet extractors, Potato extractors, Other harvesting machines (for industrial tomatoes, onions, carrots)
Irrigation pumps: Diesel-fueled, Gas powered, Electrically driven and other pumps (steam-driven, wind-powered, animal-powered, etc.) and fuel pumps
Irrigation systems: Sprinkling units - fast coupling pipes with injectors, Self-propelled gun sprinkling units with injectors, Horizontal irrigation ramp self-propelled sprinkling units, Drop irrigation systems.
Other agricultural machinery: incubators, milking machines – portable, milking machines with milk transfer lines, cream separators, wheat sorting machines, maize ginners, cotton ginners, tobacco threading machines, pruning saws, honey extractors.

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 "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. In the framework of quality improvement of the relative results, it is pointed out that from the reference year 2014 onwards, the private partners and statistical correspondents (people responsible for the collection of the relative data) were replaced by graduates holding a degree (certificate, Msc, Phd) in geotechnical sciences. Data collection is conducted via electronic questionnaires (in excel format) using a wide range of sources, namely administrative (decentralized services of the Ministry of Agriculture e.g. OPEKEPE, Directorates of the first and second degree of Self – Governance e.g. Municipalities and Regional Administration Units, as well as farmers possessing large farms and agronomists). For this purpose a relative communication with all of the above actors was in place well before the actual conducting of the Annual Agricultural Survey, via circulars and memoranda of mutual understanding. Finally, in the framework of data quality control preparation, proactive channels of communication with all the relative sources that could be used as verification sources during the comparability checks were established.

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
http://www.statistics.gr/en/statistics/-/publication/SPG06/-