



Republic of Macedonia  
State Statistical Office

# Census of Agriculture, 2007

Census of Agriculture, 2007

Basic statistical data on individual agricultural holdings and business entities in the Republic of Macedonia, by regions

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Book



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## PREFACE

During the period from 1 to 15 June 2007, the State Statistical Office of the Republic of Macedonia carried out the Census of Agriculture in the Republic of Macedonia which, as specific statistical operation, was carried out for the first time in about 40 years.

The reference date of this Census was the situation on 31 May 2007, and for certain questions the data referred to the period of one year prior to the Census, i.e. from 1 June 2006 to 31 May 2007.

The Census was carried out according to the Law on Census of Agriculture in the Republic of Macedonia, 2007 ("Official Gazette of the Republic of Macedonia" No 39/06 and 113/06).

The methodology, the definitions and the standards for this Census are harmonized with the statistical practice in the Republic of Macedonia, as well as with the Recommendations of the Statistical Office of the European Union- EUROSTAT and the Food and Agriculture Organisation of the United Nations -FAO.

The State Statistical Office announced the first results of the Census of Agriculture, 2007, on 16 July 2007.

Book I, in which the final results of the Census of Agriculture, 2007 are presented, contains 27 tables with data on agriculture in the Republic of Macedonia, according to more topics covered by the Census. The data are presented on national and on regional level, according to the Nomenclature of Territorial Units for Statistics, NUTS, from 2001, separately for the two sectors-the individual agricultural holdings and the business entities. By the fact that in the second half of 2007 the new revised version of NUTS was adopted, data on the regions according to the new NUTS will be announced additionally.

We hope that by publishing the edition "Census of Agriculture, 2007", the statistical data users will have a possibility to get the most of the necessary data. Certainly, for all additional data needs from the Census that are not included in this edition, the State Statistical Office will provide an access through the many forms of dissemination, in accordance with the Policy on dissemination of the Census of Agriculture.

Director,  
Blagica Novkovska MSc



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## SYMBOLS AND ABBREVIATIONS

- *no entry*
- 0 *value is less than 0.5 of the unit of measure being used*
- 0.0 *value is less than 0.05 of the unit of measure being used*
- <sup>1)</sup> *footnote beneath table*

*m<sup>3</sup> cubic meter*

*m<sup>2</sup> square meter*

*ha hectares*

*kw kilowatt*



## METHODOLOGICAL EXPLANATIONS

### ENUMERATION PERIOD

The Census of Agriculture in the Republic of Macedonia was conducted in the period from 1 to 15 June 2007. The data in the Census forms have been recorded according to the situation on 31 May 2007, and for certain questions the data refer to the period of one year prior to the Census, namely from 1 June 2006 to 31 May 2007.

The state of specific phenomenon at determined temporal intersection in statistics is called “reference date/period of the Census”.

### METHOD OF ENUMERATION

The Census was organised according to the concept of complete coverage (“door to door”), which means that during the Census all households on the territory of the Republic of Macedonia were visited and recorded. The Census was carried out by trained authorised persons (enumerators) by interviewing (face to face interview) and the data were recorded in printed census forms (questionnaires).

Data on business entities and the local units that perform agricultural production are filled in by an authorised person, verified by the responsible person - manager/head of the business entity and delivered by post to the State Statistical Office.

Basic census forms used in the Census were:

- **Form ZEM.P.1 (Questionnaire for Individual Agricultural Holdings)** - for each individual agricultural holding, as well as for a household that owns forest or fish pond;
- **Form ZEM.P.2 (Questionnaire for Business Entities)** - for each business entity and local unit covered by the Census.

### UNITS COVERED BY THE CENSUS

The following units were covered by the Census:

- Individual agricultural holdings
- Households that own forest
- Households that own fish pond
- Business entities and the local units which in accordance to the National Classification of Activities, by main activity are distributed in the sector of Agriculture, hunting and forestry and
- Business entities and the local units which in accordance to the National Classification of Activities, by main activity are not distributed in the sector of Agriculture, hunting and forestry, but which perform activities in this sector (agricultural schools, borstals, agricultural scientific institutes, religious communities and other).



## INDIVIDUAL AGRICULTURAL HOLDINGS

Individual agricultural holdings are economic units of agricultural production which meet the following requirements:

- they use 1000 m<sup>2</sup> of agricultural area or more or,  
- they use less than 1000 m<sup>2</sup> of agricultural land or do not use one at all, but they own certain minimum number of livestock, poultry or beehives:

- 1 cow and 1 calf, or
- 1 cow and 1 heifer, or
- 1 cow and two adult heads of small livestock, or
- 5 adult sheep or goats, or
- 3 adult pigs, or
- 4 adult sheep or goats and pigs together, or
- 50 numbers of adult poultry, or
- 20 beehives.

As exception, here are also included the households that have agricultural production, but do not meet the requirements for individual agricultural holding, if the agricultural production is the unique source of income for those households.

## FOREST

A forest is every area over 500 m<sup>2</sup> overgrown with forest trees in the form of stands and is used for production of forest assortments or has a protective function or a special purpose.

## FISH POND

A fish pond is limited, closed space for rearing fish and can be filled with water and emptied. As integral part of the fish pond are considered the channels for bringing water into and discharging it from the fish pond.

**Business entity** - all legal and natural persons who perform an activity, with headquarter on the territory of the Republic of Macedonia, registered by a competent authority in accordance to the law i.e. established by the law, as well as the organisational units of foreign companies and foreign sole proprietors that perform activity on the territory of the Republic of Macedonia.

**Local unit** - means subsidiary, representative office or other organisational unit (store, warehouse, plant and other), organised with a decision of the business entity according to the regulations in the Republic of Macedonia. The local unit does not have a function of legal person, it works for the business entity that organised it and it can perform all activities from the area of working of the business entity.

## DATA ON THE HOLDING

Data on the holding are shown in the municipality where the headquarter of the holding is located i.e. the larger part of the holding-the property.



## **UTILISED AGRICULTURAL LAND**

Utilised agricultural land means land used for cultivation of agricultural crops. It represents the total of the areas of used arable land and gardens, orchards, vineyards, meadows, pastures and nurseries on the agricultural land.

## **SEPARATE PARTS OF USED LAND**

Separate part is every area of the agricultural land used by the holding, surrounded by someone else's land. The separate part can contain one or more cadastre parcels and one or more agricultural crops can be found on it (garden crops, industrial crops, orchards, meadows and other).

## **KITCHEN GARDENS**

Kitchen gardens are areas (usually by the houses) used for production of agricultural products intended for nutrition of the persons at the holding. Kitchen gardens are not included in the crop rotation.

## **ORCHARDS**

Orchards are agricultural areas where fruit trees are cultivated, regardless of the arrangement of the stands, the distance between the trees and whether agro-technical and mechanized operations for cultivation are applied.

The data refer to the total number and the number of fruit-bearing trees, as well as to the total surface area of the fruit stands.

All fruit trees are included in the total number of fruit trees, regardless of the age and the bearing.

Fruit-bearing trees refer to fruit trees able to bear fruit during the year, regardless if they bore fruit during the current year.

## **VINEYARDS**

Vineyards refer to areas on which stocks of grape-vines are cultivated (table and vine sorts) with usual distance of cultivation for certain sort.

Table sorts are intended for nutrition of population in fresh condition, and the vine sorts are intended for wine, brandy and other grape processing.

Data refer to the total number and the number of bearing stocks, as well as to the total area under vineyards.

All stocks of grape - vines are included in the total number of stocks of grape - vines, regardless of how old they are.

Bearing grape-vines are those which are able to bear during the year, regardless if they bore during the current year.

## **MEADOWS**

Meadow is land used for cultivation of grass i.e. fodder crops and it is regularly mown several times a year i.e. mown at least once during the vegetation season. The meadow can be sown or natural (self-sown).





## PASTURES

Pasture refers to agricultural land area used for grazing the livestock during the growing season, i.e. at least once during the year. Pastures can be lowland (intensive) and hilly-mountainous (extensive).

## NURSERIES

Nursery means an area of agricultural land used for seedling production, regardless of what kinds of seedlings it is used for (forest, park, fruit or grape).

## FOREST LAND

Forest land is an area overgrown with forest trees, forest bushes as well as an area under forest nurseries planted on forest land. Forest land also means an area planted with windbreaks, as well as the moorlands within the forest.

## OTHER LAND

The category “other land” comprises agricultural unused land and unarable land.

- Agricultural unused land is agricultural area in disposal of the holding, but which is not cultivated on the reference date due to economic, social and other reasons, i.e. which is not used for agricultural production. This area is not included in the system of crop rotation.
- Unarable land means land under buildings, roads, yards, quarries, fish ponds, ponds, rocky areas, sandy terrains etc.

## TOTAL AVAILABLE LAND

The total available area of land is a sum of the total used agricultural land, forest land and other land.

## USED ARABLE LAND, GARDENS AND KITCHEN GARDENS

Arable land, gardens and kitchen gardens refer to land area under cultivation, with cereals, industrial, vegetable and fodder crops, flowers, medicinal and aromatic plants, decorative plants, seed and seedling material.

If on the same area during the year more cultures are sown or planted (simultaneously or consecutively), the area is calculated only once and the data are collected for the main crop.

A main crop is a crop with highest production value. If it is not possible to determine a main crop according to the height of the production value, then the crop present on the area for a longer period of time is considered as a main crop.

**Fallow and other unsown arable land and gardens** are areas included in the crop rotation, but which do not give annual yields (**fallow**) or which, due to some reasons (floods, lack of water etc. ), are not sown.

If these areas do not give yields more than 5 years, they are enumerated in “Other land”.



## VEGETABLE, FLOWERS AND DECORATIVE PLANTS

Here are enumerated areas under vegetable, flowers and decorative plants (except nurseries) in open space, under protected space and at the kitchen gardens.

Data on areas in open space refer to the sown areas with crops cultivated in open space, in crop rotation with other crops.

Areas under protected space refer to the areas under the crops which during the whole or the longer period of cultivation are covered with hard or soft plastic (plastichouses) or with glasshouses.

## MIXED, COMBINED AND SUCCESSIVE SECONDARY CROPS ON ARABLE LAND

Areas of crops sown together with the main crop ( mixed, combined crops), as well as areas with crops sown after the main crop is harvested ( successive secondary crops) are mixed, combined and successive secondary crops on arable land and gardens.

Areas of mixed, combined and successive secondary crops are already shown within the areas of the main crop and they are not included in the area of the total used agricultural land.

## LIVESTOCK BY TYPES AND CATEGORIES

The livestock is covered by types and categories regardless of whether at the time of the Census it is situated at the individual agricultural holding/business entity, or in other place.

The Census covered horses, cattle, sheep, goats, pigs, poultry, hares and beehives.

### **Horses**

Refers to the number of all horses together (colts, mares and fillies in foal, stallions and geldings), regardless of their gender, age and purpose of rearing.

### **Cattle up to 1 year old**

Cattle **up to 1 year old** are enumerated by gender (male and female cattle heads).

### **Cattle from 1 to 2 years old**

Cattle **from 1 to 2 years old** are enumerated by gender and purpose of rearing (male and female heads for fattening and breeding).

### **Cattle over 2 years old**

Cattle aged **2 years and over** are also enumerated by gender and purpose of rearing (male heads-bulls and oxen and female heads - heifers, heifers in calf, dairy cows and other cows).

### **Male heads (bulls and oxen)**



**Bulls** are male breeding heads.

**Oxen** are male castrated heads, 2 or more years old, used for work.

**Heifers** are female cattle, 2 or more years old, which have not calved yet.

**Heifers in calf** are female cattle, 2 or more years old, from which the first offspring is expected.

**Dairy cows** are kept mainly for milk production. Cows that are dry at the moment are included here. Dairy cows fattened after the first lactation and intended for slaughter, till the moment of the Census, are included in this category.

**Other cows** are female heads reared primarily for breeding and they are not milked. Cows used for work after calving, as well as other cows intended for slaughter, are also included here.

### **Sheep**

Data on sheep refer to the number of sheep by age and purpose (lambs and tags, sheep - female breeding heads and rams and adult sheep).

**Lambs and tags** are young sheep of both genders, under one year old.

**Female breeding sheep** include female heads over one year old which have already lambed and those from which the first offspring is expected.

**Rams and other sheep** - refers to data on the number of all male and other heads (barren sheep, etc). Sheep for slaughter which have already lambed are also included.

### **Goats**

Data on goats refer to the number of goats by age and purpose (nanny goats, goats-breeding dairy female heads, as well as billy goats and other adult goats).

**Nanny goats** are young goats of both genders, under one year old.

**Goats** are female breeding heads over one year old which have already kidded and those expected to have the first offspring.

**Billy goats and other goats** - refers to data on the number of all male and other heads (barren goats, etc). Goats for slaughter which have already kidded are also included.

### **Pigs**

Data on pigs refer to the number of pigs by weight and purpose (porkers under 20 kg, 21-50 kg, 51-80 kg, 81-110 kg and over 110 kg, gilts, in-pig gilts, sows and boars).

**Gilts** are selected young female heads for breeding, which have not farrowed yet.

**Farrow gilts** are young female heads for breeding expecting their first offspring.

**Sows** are female breeding heads which have farrowed at least once. Sows fattened before slaughter are not included here.

**Boars** are male breeding heads. Boars fattened before slaughter are not included.

### **Hares**

The total number of hares at the holding is included, regardless of type, age, gender and purpose.

### **Poultry**

Data refer to the number of poultry by type, purpose, gender and age.

**Broilers** are fattened chicken.



**Egg-laying hens** are hens which have already started to lay eggs, regardless of whether the eggs are for consumption or for hatch. Young hens before laying eggs and old egg-laying hens (intended for slaughter), are included here.

**Other poultry** refers to roosters, ducks, Guinea fowls, quails, pheasants and other, regardless of age, gender and purpose.

### ***Beehives, total***

Data refer to the number of beehives at the holding, regardless of the way of keeping ( bee-hive, box, etc).

## **FACILITIES OF THE HOLDING**

Every independent construction with four permanent walls covered with a roof and has one or more entrances is considered as facility of the agricultural holding.

Constructions built of poor material, brick, reeds, boards and others, basement or garret, regardless of their potential use for storing agricultural or other products, are not considered as facilities of the holding.

The number, the surface and the volume of facilities used for the same purpose are shown as total. If facilities are older than 20 years, but have undergone complete reconstructions and/or some additions are made on it, then they are considered as 20 year-old facilities.

Surface (m<sup>2</sup>) – is information on the usable surface of the facilities with the same purpose, calculated as a sum of the usable surfaces of all parts of the constructions, measured from the interior side of the walls. Information for surface is expressed in square meters (m<sup>2</sup>).

For agricultural facilities such as swineherds, poultry houses, horse stables, livestock stables and others, only the surface under a roof is taken into consideration, while the fenced pales (outlets) which are not covered are not considered.

Capacity - volume (m<sup>3</sup>)- volume of facilities is calculated as a sum of the volumes of the separate parts of the facilities, whereupon the surface of each part is multiplied with the average height of that part.

For facilities, such as tanks and silos, the hollow is expressed in m<sup>3</sup>, without the thickness of the exterior walls and panelling, not calculating the excavations above the prescribed profile.

Facilities with more premises or more levels with different purpose are enumerated according to their predominant purpose.

The facilities of the agricultural holding, according to their purpose, are classified as facilities for livestock and poultry, facilities for organic fertilizers and other facilities of the holding.

## **MECHANIZATION AND EQUIPMENT**

Mechanization and equipment are enumerated according to ownership and age, regardless of the type and the producer they are purchased from.

As mechanization and equipment of the holding are considered the mechanization and the equipment that are in a good order or that with some small repair could be brought in good order.

Data are collected on:

- Cultivators- tractors with one axle (with 2 wheels) such as motor-cultivator, motor-milling machine and similar;
- Four-wheel - tractors with two axles (with 4 wheels) as well as caterpillar tractors belong to this group and are divided according to the driving power expressed in kilowatts (kW), more exactly in horse power (HP).
- Combine for cereals;



- Machines for collecting agricultural products;
- Machines for sowing, planting and transplanting;
- Other machines- fertilizer spreaders, sprinklers and other;
- Equipment for irrigation- motor- pumps and pipes;
- Milking equipment;
- Grape presses;
- Other equipment- dams, ploughs, rollers, dryers and other;
- Vehicles - trucks, vans and other completely mechanized vehicles for transportation of products and materials of the individual agricultural holding;
- Tractor trailers- sum of the tractor trailers of all kinds, regardless of the capacity and the way of unloading.

### **AREAS TREATED WITH FERTILISERS AND PESTICIDES**

Area treated with mineral fertilisers is an area treated with nitrogenous, phosphorous, potassic and mixed fertilisers.

Area treated with organic fertilisers is an area treated with fertilisers from organic origin, produced at the holding or purchased from others.

Pesticides are:

- Herbicides - pesticides used for destroying harmful grasses - weeds.
- Insecticides - pesticides used for destroying harmful insects.
- Fungicides - pesticides used for destroying fungi which cause diseases.
- Rodenticides - pesticides used for destroying harmful rodents.

### **IRRIGATED AREAS**

Irrigated areas represent areas actually irrigated at least once in the period from 01.06.2006 to 31.05.2007. Data refer to the total irrigated area and to the irrigated area by group of crops (cereals, industrial crops, vegetable crops, fodder crops, orchards, vineyards, meadows, etc).

### **HOUSEHOLD MEMBERS WORKING AT THE INDIVIDUAL AGRICULTURAL HOLDINGS**

Members of the household/households that work at the individual agricultural holdings were covered by the Census.

Persons aged 15 years and over that work at the individual agricultural holdings, are classified according to the educational attainment, the age and the sex.

Educational attainment means the type of school where the person has acquired the highest level of education.

The type of activity represents descriptive determination of the head, i.e. the member of the household, whether the work at the agricultural holding is: only activity, principal activity etc.



### **SEASONALLY ENGAGED PERSONS BY THE HOLDING WHO ARE NOT MEMBERS OF THE HOUSEHOLD/ HOUSEHOLDS**

Seasonally engaged persons are the persons who performed some agricultural activities at the holding periodically, during the reference period. The period of one year is taken as a reference period because the work at the holding is temporary, in specific periods of the year (seasonal work).

Seasonally engaged persons by the individual agricultural holding are distributed according to the number of performed working hours. These persons are not members of the household/ households.

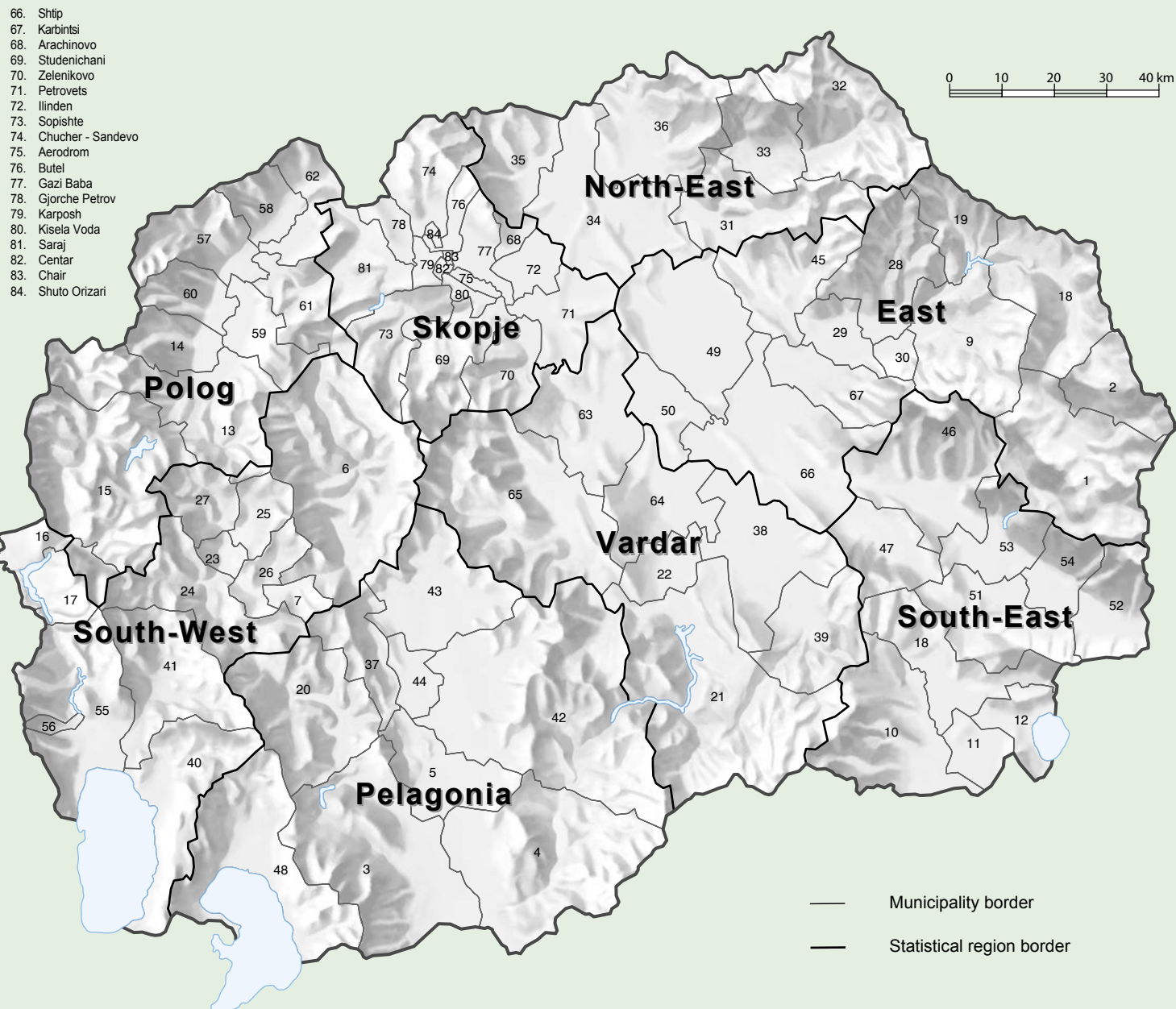
### **EMPLOYEES AT THE BUSINESS ENTITIES**

Employees at the business entities according to the educational attainment, the working relationship and the number of working hours were covered by the Census.



## Map of municipalities and statistical regions

1. Berovo
2. Pehchevo
3. Bitola
4. Novatsi
5. Mogila
6. Makedonski Brod
7. Plasnitsa
8. Valandovo
9. Vinitsa
10. Gevgelija
11. Bogdantsi
12. Dojran
13. Gostivar
14. Vrapchishte
15. Mavrovo and Rostusha
16. Debar
17. Centar Zhupa
18. Delchevo
19. Makedonska Kamenitsa
20. Demir Hisar
21. Kavadarci
22. Rosoman
23. Kichevo
24. Drugovo
25. Oslomej
26. Vraneshititsa
27. Zajas
28. Kochani
29. Cheshinovo - Obleshevo
30. Zrnovtsi
31. Kratovo
32. Kriva Palanka
33. Rankovtse
34. Kumanovo
35. Lipkovo
36. Staro Nagorichane
37. Krushevo
38. Negotino
39. Demir Kapija
40. Ohrid
41. Debaritsa
42. Prilep
43. Dolneni
44. Krivogashtani
45. Probishtip
46. Radovish
47. Konche
48. Resen
49. Sveti Nikole
50. Lozovo
51. Strumitsa
52. Novo Selo
53. Vasilevo
54. Bosilovo
55. Struga
56. Vevchani
57. Tetovo
58. Teartse
59. Brvenitsa
60. Bogovinje
61. Zhelino
62. Jegunovtse
63. Veles
64. Gradsko
65. Chashka



**Table 1. Total available land, utilised agricultural land and number of parts of used agricultural land**

	Number of individual agricultural holdings and business entities	Surface area of total available land, ha	Utilised agricultural land, ha				Forest land, ha	Other land, ha	Number of parts of used agricultural land
			Total available land	Own land	Leased land	Rented land			
<b>Republic of Macedonia</b>	192675	398221.27	334226.00	232274.49	107166.09	5214.57	48606.75	15388.51	637588
Individual agricultural holdings	192378	321813.70	264338.58	222819.95	46720.93	5202.29	46237.19	11237.93	636911
Business entities	297	76407.57	69887.42	9454.54	60445.16	12.28	2369.57	4150.58	677
<b>Pelagonia Region</b>	27639	81509.78	73826.24	40674.36	34380.21	1228.33	2518.87	5164.67	105508
Individual agricultural holdings	27578	55710.22	51384.50	39333.37	13279.45	1228.33	2368.48	1957.24	105321
Business entities	61	25799.56	22441.75	1340.99	21100.75	-	150.39	3207.43	187
<b>Vardar Region</b>	18890	40076.44	36196.32	18959.01	17506.02	268.71	2334.77	1545.36	42951
Individual agricultural holdings	18855	25509.60	22067.50	17835.93	4500.28	268.71	1960.76	1481.34	42836
Business entities	35	14566.84	14128.82	1123.08	13005.74	-	374.00	64.02	115
<b>Northeast Region</b>	21646	57705.93	46362.75	37945.09	9146.47	728.82	9290.05	2053.13	77527
Individual agricultural holdings	21631	51505.42	40174.44	36487.94	4415.31	728.82	9285.05	2045.93	77456
Business entities	15	6200.51	6188.31	1457.15	4731.16	-	5.00	7.20	71
<b>Southwest Region</b>	21429	26433.93	20579.37	18817.31	2069.05	307.00	5044.89	809.68	66294
Individual agricultural holdings	21412	25772.77	19924.12	18320.66	1910.45	307.00	5044.89	803.76	66283
Business entities	17	661.17	655.25	496.65	158.60	-	-	5.92	11
<b>Skopje Region</b>	19081	28859.94	24431.94	17863.11	6838.81	269.98	3590.86	837.14	42378
Individual agricultural holdings	19065	25297.03	21289.01	17771.01	3787.99	269.98	3590.86	417.16	42343
Business entities	16	3562.91	3142.93	92.10	3050.82	-	-	419.98	35
<b>Southeast Region</b>	26039	46478.54	40566.17	28925.77	12528.63	888.24	4584.00	1328.37	116570
Individual agricultural holdings	25978	37878.88	32078.35	27270.72	5683.59	875.96	4508.88	1291.64	116466
Business entities	61	8599.67	8487.81	1655.05	6845.04	12.28	75.12	36.74	104
<b>Polog Region</b>	25652	31912.45	28205.37	24845.36	4015.47	655.46	3303.04	404.04	76346
Individual agricultural holdings	25632	30286.16	26624.73	23556.34	3723.86	655.46	3302.80	358.63	76325
Business entities	20	1626.29	1580.63	1289.02	291.61	-	0.25	45.41	21
<b>East Region</b>	32299	85244.25	64057.86	44244.48	20681.43	868.04	17940.27	3246.11	110014
Individual agricultural holdings	32227	69853.63	50795.93	42243.98	9419.99	868.04	16175.46	2882.23	109881
Business entities	72	15390.62	13261.93	2000.49	11261.43	-	1764.81	363.88	133



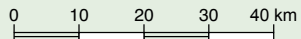
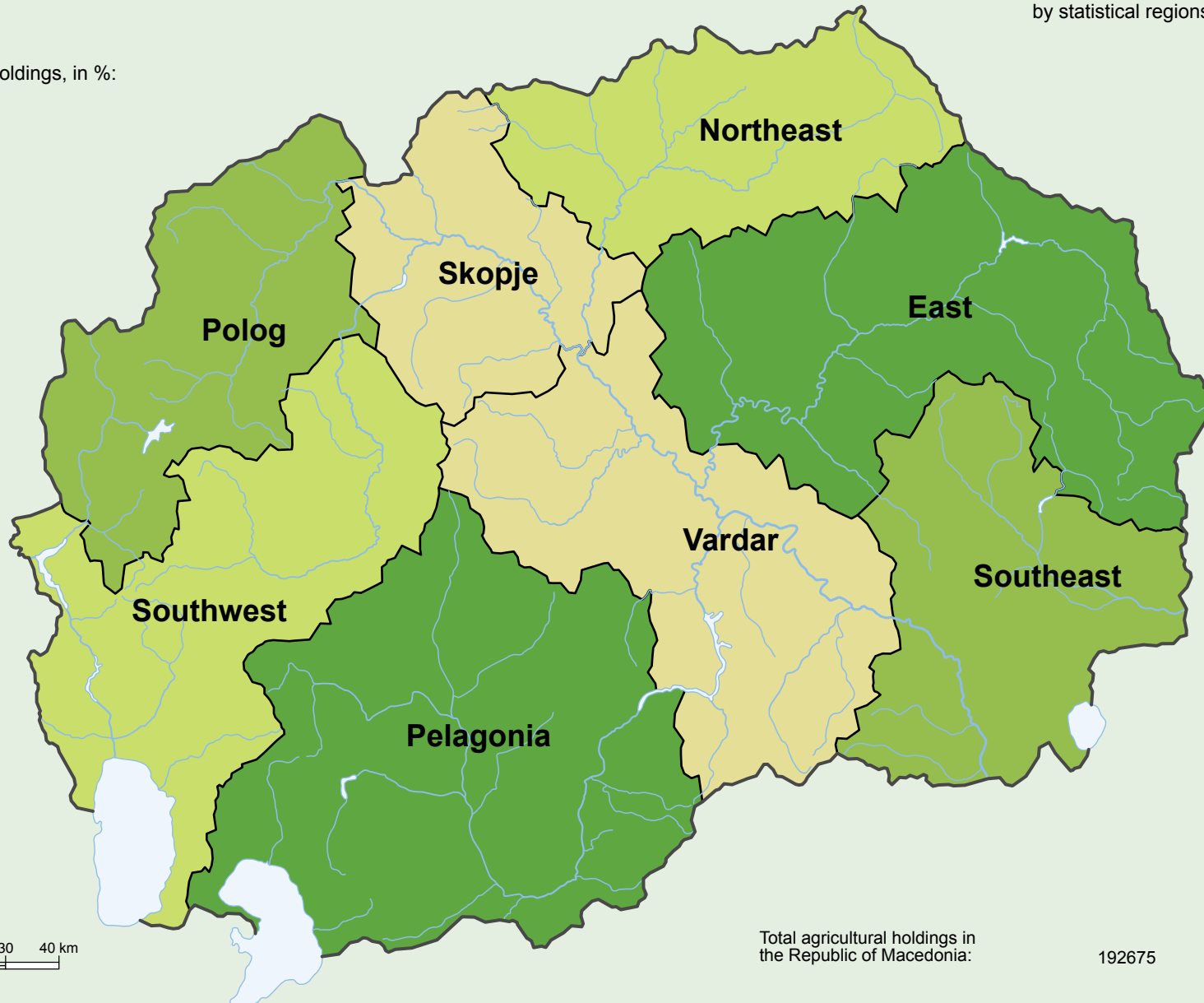
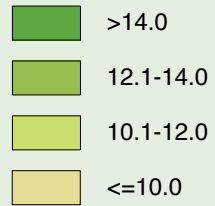


# Distribution of agricultural holdings

M1

by statistical regions

Share of agricultural holdings, in %:



Total agricultural holdings in the Republic of Macedonia:

192675



**Table 2. Area of utilised agricultural land, by categories**

hectares

	Total	Arable land and gardens and kitchen gardens	Meadows	Pastures	Orchards	Vineyards	Nurseries
<b>Republic of Macedonia</b>	334226.00	240968.59	32248.36	25032.26	11264.84	24584.43	127.53
Individual agricultural holdings	264338.58	190725.88	31557.41	15402.47	9418.51	17160.42	73.90
Business entities	69887.42	50242.71	690.95	9629.79	1846.33	7424.01	53.63
<b>Pelagonia Region</b>	73826.24	60821.81	6231.85	2444.42	3390.88	922.75	14.54
Individual agricultural holdings	51384.50	40229.81	6121.02	1338.46	3105.88	574.79	14.54
Business entities	22441.75	20591.99	110.83	1105.96	285.00	347.96	-
<b>Vardar Region</b>	36196.32	14945.81	979.37	6873.77	1483.37	11876.99	37.00
Individual agricultural holdings	22067.50	8778.11	914.87	1477.77	1124.97	9762.16	9.62
Business entities	14128.82	6167.70	64.50	5396.00	358.40	2114.84	27.38
<b>Northeast Region</b>	46362.75	35939.48	4658.35	3469.03	741.99	1539.97	13.94
Individual agricultural holdings	40174.44	30565.48	4615.03	3439.03	618.89	922.07	13.94
Business entities	6188.31	5373.99	43.32	30.00	123.10	617.90	-
<b>Southwest Region</b>	20579.37	12871.39	4805.01	1574.52	938.33	383.85	6.27
Individual agricultural holdings	19924.12	12356.74	4795.01	1532.12	878.13	355.85	6.27
Business entities	655.25	514.65	10.00	42.40	60.20	28.00	-
<b>Skopje Region</b>	24431.94	19460.12	2548.67	604.96	486.47	1312.84	18.87
Individual agricultural holdings	21289.01	17231.66	2215.06	601.94	438.70	795.84	5.82
Business entities	3142.93	2228.46	333.61	3.03	47.78	517.00	13.05
<b>Southeast Region</b>	40566.17	30170.09	1238.72	1804.27	1223.36	6114.40	15.31
Individual agricultural holdings	32078.35	26010.07	1218.72	801.84	1023.87	3020.54	3.31
Business entities	8487.81	4160.02	20.00	1002.44	199.49	3093.86	12.00
<b>Polog Region</b>	28205.37	19393.01	5834.84	2105.15	778.34	86.29	7.75
Individual agricultural holdings	26624.73	19142.85	5811.54	1071.63	504.69	86.29	7.75
Business entities	1580.63	250.16	23.30	1033.52	273.65	-	-
<b>East Region</b>	64057.86	47366.88	5951.55	6156.13	2222.11	2347.33	13.86
Individual agricultural holdings	50795.93	36411.16	5866.16	5139.68	1723.40	1642.88	12.66
Business entities	13261.93	10955.73	85.39	1016.45	498.71	704.45	1.20



**Table 3. Area of used arable land and gardens and kitchen gardens**

hectares

	Total used arable land and gardens and kitchen gardens	Cereals	Industrial crops	Fodder crops	Vegetable	Aromatic and medical plants	Flowers and decorative plants	Seeds and seedlings	Fallow land and other uncultivated land
<b>Republic of Macedonia</b>	240968.59	157332.91	17579.26	25528.74	22695.07	61.41	692.33	102.46	16976.41
Individual agricultural holdings	190725.88	123365.02	14421.56	21457.50	22051.59	42.41	691.05	99.46	8597.29
Business entities	50242.71	33967.89	3157.70	4071.24	643.48	19.00	1.28	3.00	8379.12
<b>Pelagonia Region</b>	60821.81	38133.28	10163.69	5174.12	3016.39	6.87	67.36	21.31	4238.80
Individual agricultural holdings	40229.81	24317.84	7575.21	3185.22	2953.78	6.87	67.36	21.31	2102.23
Business entities	20591.99	13815.44	2588.48	1988.89	62.61	-	-	-	2136.57
<b>Vardar Region</b>	14945.81	8372.31	753.19	1068.97	1417.71	5.08	54.66	5.53	3268.36
Individual agricultural holdings	8778.11	5077.92	693.03	786.24	1392.66	5.08	54.66	5.53	762.98
Business entities	6167.70	3294.39	60.15	282.73	25.05	-	-	-	2505.38
<b>Northeast Region</b>	35939.48	28730.93	614.16	2127.05	2093.86	4.67	36.92	4.56	2327.32
Individual agricultural holdings	30565.48	25232.44	499.16	1960.98	1979.86	4.67	36.92	4.56	846.89
Business entities	5373.99	3498.49	115.00	166.07	114.00	-	-	-	1480.43
<b>Southwest Region</b>	12871.39	7918.13	40.54	3284.08	971.87	2.05	67.99	7.10	579.62
Individual agricultural holdings	12356.74	7587.33	29.94	3263.08	954.87	2.05	67.74	7.10	444.62
Business entities	514.65	330.80	10.60	21.00	17.00	-	0.25	-	135.00
<b>Skopje Region</b>	19460.12	12010.92	590.61	2419.28	3189.86	0.58	94.62	12.45	1141.80
Individual agricultural holdings	17231.66	10734.67	544.61	2063.02	3133.41	0.58	94.62	11.45	649.30
Business entities	2228.46	1276.25	46.00	356.26	56.45	-	-	1.00	492.50
<b>Southeast Region</b>	30170.09	13545.94	4019.45	3955.46	6695.95	6.18	107.92	25.41	1813.78
Individual agricultural holdings	26010.07	11291.01	3966.68	3434.97	6466.75	6.18	106.89	25.41	712.17
Business entities	4160.02	2254.93	52.76	520.49	229.20	-	1.03	-	1101.61
<b>Polog Region</b>	19393.01	12072.57	84.42	4397.17	2061.74	0.84	208.06	15.05	553.16
Individual agricultural holdings	19142.85	11986.41	84.42	4393.37	2061.54	0.84	208.06	15.05	393.16
Business entities	250.16	86.16	-	3.80	0.20	-	-	-	160.00
<b>East Region</b>	47366.88	36548.83	1313.19	3102.61	3247.69	35.15	54.79	11.06	3053.57
Individual agricultural holdings	36411.16	27137.40	1028.49	2370.61	3108.71	16.15	54.79	9.06	2685.94
Business entities	10955.73	9411.42	284.70	732.00	138.97	19.00	-	2.00	367.63



Table 4. Area under cereals

hectares

	Total	Wheat	Maize	Barley	Rice	Other cereals
<b>Republic of Macedonia</b>	<b>157332.91</b>	<b>88735.55</b>	<b>26996.88</b>	<b>32864.52</b>	<b>2991.55</b>	<b>5744.41</b>
Individual agricultural holdings	123365.02	67105.80	25517.86	23881.41	2790.25	4069.70
Business entities	33967.89	21629.75	1479.02	8983.11	201.30	1674.71
<b>Pelagonia Region</b>	<b>38133.28</b>	<b>24004.15</b>	<b>4824.78</b>	<b>7535.25</b>	<b>10.07</b>	<b>1759.03</b>
Individual agricultural holdings	24317.84	15827.55	3972.75	4165.59	10.07	341.88
Business entities	13815.44	8176.60	852.03	3369.66	-	1417.15
<b>Vardar Region</b>	<b>8372.31</b>	<b>4318.25</b>	<b>569.85</b>	<b>3322.54</b>	<b>62.25</b>	<b>99.43</b>
Individual agricultural holdings	5077.92	2716.13	448.77	1751.36	62.25	99.43
Business entities	3294.39	1602.12	121.09	1571.18	-	-
<b>Northeast Region</b>	<b>28730.93</b>	<b>15126.90</b>	<b>4392.33</b>	<b>7751.73</b>	<b>38.97</b>	<b>1421.00</b>
Individual agricultural holdings	25232.44	12755.51	4278.33	6813.63	38.97	1346.00
Business entities	3498.49	2371.39	114.00	938.10	-	75.00
<b>Southwest Region</b>	<b>7918.13</b>	<b>4437.89</b>	<b>2537.28</b>	<b>761.45</b>	<b>7.84</b>	<b>173.67</b>
Individual agricultural holdings	7587.33	4129.89	2515.48	760.45	7.84	173.67
Business entities	330.80	308.00	21.80	1.00	-	-
<b>Skopje Region</b>	<b>12010.92</b>	<b>6852.04</b>	<b>2013.74</b>	<b>2760.85</b>	<b>17.21</b>	<b>367.09</b>
Individual agricultural holdings	10734.67	6230.78	1809.74	2328.85	17.21	348.09
Business entities	1276.25	621.25	204.00	432.00	-	19.00
<b>Southeast Region</b>	<b>13545.94</b>	<b>8276.43</b>	<b>3389.94</b>	<b>1649.58</b>	<b>5.14</b>	<b>224.85</b>
Individual agricultural holdings	11291.01	6535.45	3368.94	1163.50	5.14	217.99
Business entities	2254.93	1740.98	21.00	486.09	-	6.86
<b>Polog Region</b>	<b>12072.57</b>	<b>5748.64</b>	<b>5975.42</b>	<b>197.31</b>	<b>9.48</b>	<b>141.72</b>
Individual agricultural holdings	11986.41	5705.88	5939.12	192.91	9.48	139.02
Business entities	86.16	42.76	36.30	4.40	-	2.70
<b>East Region</b>	<b>36548.83</b>	<b>19971.26</b>	<b>3293.53</b>	<b>8885.82</b>	<b>2840.60</b>	<b>1557.62</b>
Individual agricultural holdings	27137.40	13204.62	3184.73	6705.13	2639.30	1403.62
Business entities	9411.42	6766.64	108.80	2180.69	201.30	154.00

Table 5. Area under industrial crops

hectares

	Total	Soybean	Sunflower	Rape	Tobacco	Sugarbeet	Other industrial crops
<b>Republic of Macedonia</b>	17579.26	358.20	3492.51	108.82	12190.44	320.40	1108.90
Individual agricultural holdings	14421.56	71.59	936.33	100.82	12172.99	175.40	964.43
Business entities	3157.70	286.60	2556.18	8.00	17.45	145.00	144.46
<b>Pelagonia Region</b>	10163.69	258.30	2386.15	49.34	7150.61	234.01	85.29
Individual agricultural holdings	7575.21	11.30	218.12	47.34	7133.16	89.01	76.29
Business entities	2588.48	247.00	2168.03	2.00	17.45	145.00	9.00
<b>Vardar Region</b>	753.19	8.46	10.17	9.40	624.46	8.05	92.64
Individual agricultural holdings	693.03	8.46	2.02	9.40	624.46	8.05	40.64
Business entities	60.15	-	8.15	-	-	-	52.00
<b>Northeast Region</b>	614.16	19.06	400.05	3.06	27.76	5.07	159.17
Individual agricultural holdings	499.16	19.06	305.05	3.06	27.76	5.07	139.17
Business entities	115.00	-	95.00	-	-	-	20.00
<b>Southwest Region</b>	40.54	3.29	0.20	1.10	7.21	1.61	27.14
Individual agricultural holdings	29.94	2.69	0.20	1.10	7.21	1.61	17.14
Business entities	10.60	0.60	-	-	-	-	10.00
<b>Skopje Region</b>	590.61	10.91	121.38	18.13	356.47	8.07	75.66
Individual agricultural holdings	544.61	10.91	101.38	12.13	356.47	8.07	55.66
Business entities	46.00	-	20.00	6.00	-	-	20.00
<b>Southeast Region</b>	4019.45	33.18	212.50	15.60	3492.31	25.73	240.13
Individual agricultural holdings	3966.68	3.18	212.50	15.60	3492.31	25.73	217.37
Business entities	52.76	30.00	-	-	-	-	22.76
<b>Polog Region</b>	84.42	5.15	2.06	1.54	25.79	28.16	21.73
Individual agricultural holdings	84.42	5.15	2.06	1.54	25.79	28.16	21.73
Business entities	-	-	-	-	-	-	-
<b>East Region</b>	1313.19	19.85	360.01	10.65	505.84	9.71	407.13
Individual agricultural holdings	1028.49	10.85	95.01	10.65	505.84	9.71	396.43
Business entities	284.70	9.00	265.00	-	-	-	10.70



Table 6. Area under fodder crops

hectares

	Total	Forage beet	Alfalfa	Clover	Forage maize	Forage mixtures	Other forage crops
<b>Republic of Macedonia</b>	25528.74	185.73	15724.69	5827.11	1631.81	1291.18	868.23
Individual agricultural holdings	21457.50	185.73	13708.58	5724.52	674.81	706.18	457.68
Business entities	4071.24	-	2016.10	102.59	957.00	585.00	410.55
<b>Pelagonia Region</b>	5174.12	15.19	3111.39	406.89	1121.21	484.76	34.68
Individual agricultural holdings	3185.22	15.19	2233.19	406.20	428.21	67.76	34.68
Business entities	1988.89	-	878.20	0.69	693.00	417.00	-
<b>Vardar Region</b>	1068.97	10.35	411.48	516.83	6.76	70.33	53.23
Individual agricultural holdings	786.24	10.35	208.16	498.83	6.76	39.33	22.81
Business entities	282.73	-	203.31	18.00	-	31.00	30.42
<b>Northeast Region</b>	2127.05	19.95	294.14	1477.47	100.67	66.62	168.21
Individual agricultural holdings	1960.98	19.95	245.07	1470.47	98.67	66.62	60.21
Business entities	166.07	-	49.07	7.00	2.00	-	108.00
<b>Southwest Region</b>	3284.08	24.06	2669.54	447.87	21.45	67.53	53.64
Individual agricultural holdings	3263.08	24.06	2658.54	447.87	21.45	57.53	53.64
Business entities	21.00	-	11.00	-	-	10.00	-
<b>Skopje Region</b>	2419.28	15.56	589.90	1226.08	37.75	234.84	315.15
Individual agricultural holdings	2063.02	15.56	500.47	1151.38	37.75	227.84	130.03
Business entities	356.26	-	89.43	74.70	-	7.00	185.13
<b>Southeast Region</b>	3955.46	19.67	2936.32	564.65	156.59	224.40	53.84
Individual agricultural holdings	3434.97	19.67	2647.83	564.65	44.59	104.40	53.84
Business entities	520.49	-	288.49	-	112.00	120.00	-
<b>Polog Region</b>	4397.17	75.11	3765.09	477.81	24.02	40.94	14.20
Individual agricultural holdings	4393.37	75.11	3763.49	475.61	24.02	40.94	14.20
Business entities	3.80	-	1.60	2.20	-	-	-
<b>East Region</b>	3102.61	5.84	1946.83	709.52	163.35	101.78	175.29
Individual agricultural holdings	2370.61	5.84	1451.83	709.52	13.35	101.78	88.29
Business entities	732.00	-	495.00	-	150.00	-	87.00



**Table 7. Area under vegetable, flowers and decorative plants**

hectares

	Vegetable														Flowers and decorative plants
	Total	Toma-toes	Peppers	Cucum-bers	Beans	Potatoes	Onion	Garlic	Carrot	Cabbage	Water-melons	Melons	Straw-berries	Other vegetable	
<b>Republic of Macedonia</b>	22695.07	2136.99	5109.35	551.10	1880.70	5201.19	1248.04	168.91	144.33	1208.19	3472.35	570.91	265.97	737.03	692.33
Individual agricultural holdings	22051.59	1977.66	4984.88	491.54	1879.70	5174.99	1215.73	168.71	144.03	1196.19	3342.80	545.26	264.67	665.43	691.05
Business entities	643.48	159.33	124.47	59.56	1.00	26.20	32.31	0.20	0.30	12.00	129.56	25.65	1.30	71.60	1.28
<b>Pelagonia Region</b>	3016.39	235.52	1136.67	47.11	269.73	547.90	234.79	27.31	12.64	54.01	291.57	92.53	9.48	57.13	67.36
Individual agricultural holdings	2953.78	201.52	1114.67	40.75	269.73	547.70	234.74	27.31	12.64	54.01	291.57	92.53	9.48	57.13	67.36
Business entities	62.61	34.00	22.00	6.36	-	0.20	0.05	-	-	-	-	-	-	-	-
<b>Vardar Region</b>	1417.71	113.96	393.77	23.86	111.48	259.78	107.40	24.25	14.88	20.62	171.40	114.25	7.41	54.64	54.66
Individual agricultural holdings	1392.66	109.91	392.82	22.66	111.48	256.63	105.10	24.25	14.88	20.12	160.30	113.65	7.41	53.44	54.66
Business entities	25.05	4.05	0.95	1.20	-	3.15	2.30	-	-	0.50	11.10	0.60	-	1.20	-
<b>Northeast Region</b>	2093.86	202.81	290.37	16.86	269.47	721.90	104.27	30.44	5.65	38.79	315.99	49.17	5.83	42.32	36.92
Individual agricultural holdings	1979.86	187.81	255.37	16.86	269.47	715.90	90.27	30.44	5.65	38.79	285.99	35.17	5.83	42.32	36.92
Business entities	114.00	15.00	35.00	-	-	6.00	14.00	-	-	-	30.00	14.00	-	-	-
<b>Southwest Region</b>	971.87	88.82	160.06	22.74	141.94	401.57	40.87	8.48	8.00	46.87	9.69	4.12	10.13	28.59	67.99
Individual agricultural holdings	954.87	87.92	155.96	21.74	141.94	396.47	40.57	8.38	7.80	46.37	9.39	2.12	9.83	26.39	67.74
Business entities	17.00	0.90	4.10	1.00	-	5.10	0.30	0.10	0.20	0.50	0.30	2.00	0.30	2.20	0.25
<b>Skopje Region</b>	3189.86	350.62	361.28	39.08	214.59	733.60	139.03	28.51	63.41	78.11	694.69	130.80	202.07	154.07	94.62
Individual agricultural holdings	3133.41	350.32	353.28	38.98	214.59	731.85	138.93	28.51	63.31	77.71	690.19	130.80	201.07	113.87	94.62
Business entities	56.45	0.30	8.00	0.10	-	1.75	0.10	-	0.10	0.40	4.50	-	1.00	40.20	-
<b>Southeast Region</b>	6695.95	693.98	1763.38	320.38	208.06	563.77	272.68	5.33	20.55	857.19	1701.38	33.51	5.13	250.59	107.92
Individual agricultural holdings	6466.75	619.97	1728.97	295.48	207.06	562.77	258.12	5.33	20.55	846.59	1633.72	32.46	5.13	250.59	106.89
Business entities	229.20	74.01	34.42	24.90	1.00	1.00	14.56	-	-	10.60	67.66	1.05	-	-	1.03
<b>Polog Region</b>	2061.74	235.61	464.63	31.58	229.25	626.55	210.25	11.60	8.72	88.73	84.68	7.35	17.44	45.34	208.06
Individual agricultural holdings	2061.54	235.51	464.53	31.58	229.25	626.55	210.25	11.60	8.72	88.73	84.68	7.35	17.44	45.34	208.06
Business entities	0.20	0.10	0.10	-	-	-	-	-	-	-	-	-	-	-	-
<b>East Region</b>	3247.69	215.68	539.20	49.48	436.17	1346.11	138.75	32.97	10.49	23.87	202.96	139.18	8.47	104.34	54.79
Individual agricultural holdings	3108.71	184.71	519.30	23.48	436.17	1337.11	137.75	32.87	10.49	23.87	186.96	131.18	8.47	76.34	54.79
Business entities	138.97	30.97	19.90	26.00	-	9.00	1.00	0.10	-	-	16.00	8.00	-	28.00	-



**Table 8. Interfield crops, combined and successive secondary crops**

hectares

	Beans	Potatoes	Alfalfa	Clover	Maize	Cabbage	Other crops
<b>Republic of Macedonia</b>	7827.72	90.84	472.47	117.06	477.58	148.52	191.03
Individual agricultural holdings	7815.52	88.61	360.47	111.06	285.25	131.76	135.03
Business entities	12.20	2.23	112.00	6.00	192.33	16.77	56.00
<b>Pelagonia Region</b>	216.94	4.24	15.28	34.41	31.45	4.82	12.32
Individual agricultural holdings	216.94	4.24	15.28	34.41	31.45	4.82	8.32
Business entities	-	-	-	-	-	-	4.00
<b>Vardar Region</b>	34.56	2.53	31.65	6.20	1.96	0.69	66.21
Individual agricultural holdings	34.56	2.53	1.65	6.20	1.96	0.69	14.21
Business entities	-	-	30.00	-	-	-	52.00
<b>Northeast Region</b>	943.94	9.88	80.55	25.23	50.05	4.51	7.37
Individual agricultural holdings	943.94	9.88	3.55	25.23	38.05	4.51	7.37
Business entities	-	-	77.00	-	12.00	-	-
<b>Southwest Region</b>	1421.33	15.61	96.35	3.12	17.54	1.50	3.36
Individual agricultural holdings	1420.53	15.61	96.35	3.12	17.54	1.50	3.36
Business entities	0.80	-	-	-	-	-	-
<b>Skopje Region</b>	39.73	10.71	29.36	17.49	42.16	15.78	14.72
Individual agricultural holdings	39.73	9.48	24.36	15.49	12.16	15.08	14.72
Business entities	-	1.23	5.00	2.00	30.00	0.70	-
<b>Southeast Region</b>	54.15	12.37	27.63	13.70	182.87	108.03	55.89
Individual agricultural holdings	54.15	11.37	27.63	9.70	32.54	91.96	55.89
Business entities	-	1.00	-	4.00	150.33	16.07	-
<b>Polog Region</b>	4831.94	29.96	188.19	8.08	125.70	7.13	22.95
Individual agricultural holdings	4820.54	29.96	188.19	8.08	125.70	7.13	22.95
Business entities	11.40	-	-	-	-	-	-
<b>East Region</b>	285.13	5.54	3.46	8.84	25.87	6.07	8.23
Individual agricultural holdings	285.13	5.54	3.46	8.84	25.87	6.07	8.23
Business entities	-	-	-	-	-	-	-





**Table 9. Number of fruit trees and area under apples, pears and plums**

	Apples		Pears		Plums	
	Total number of fruit trees	Total area, ha	Total number of fruit trees	Total area, ha	Total number of fruit trees	Total area, ha
<b>Republic of Macedonia</b>	3570798	4256.88	231644	371.80	1019809	2096.11
Individual agricultural holdings	3279814	4012.16	220929	358.52	974016	2013.63
Business entities	290984	244.72	10715	13.28	45793	82.49
<b>Pelagonia Region</b>	2423030	2838.23	15541	29.89	71984	136.71
Individual agricultural holdings	2333876	2762.23	15541	29.89	71984	136.71
Business entities	89154	76.00	-	-	-	-
<b>Vardar Region</b>	71682	99.35	24724	36.61	45217	78.00
Individual agricultural holdings	71252	97.85	23285	35.01	44749	77.20
Business entities	430	1.50	1439	1.60	468	0.80
<b>Northeast Region</b>	109697	164.05	52627	85.64	116825	202.92
Individual agricultural holdings	87197	141.05	52627	85.64	116825	202.92
Business entities	22500	23.00	-	-	-	-
<b>Southwest Region</b>	511313	513.52	29044	39.50	112329	171.55
Individual agricultural holdings	442443	458.32	28594	38.50	112329	171.55
Business entities	68870	55.20	450	1.00	-	-
<b>Skopje Region</b>	48986	74.79	31015	43.03	28442	51.63
Individual agricultural holdings	42136	69.55	22659	32.89	27572	49.45
Business entities	6850	5.24	8356	10.14	870	2.18
<b>Southeast Region</b>	67087	111.50	20048	30.89	164064	296.19
Individual agricultural holdings	66837	111.18	19898	30.69	161179	291.78
Business entities	250	0.32	150	0.20	2885	4.42
<b>Polog Region</b>	263762	278.72	33093	47.30	27039	38.70
Individual agricultural holdings	163732	198.66	32773	46.96	26969	38.61
Business entities	100030	80.06	320	0.34	70	0.09
<b>East Region</b>	75241	176.71	25552	58.94	453909	1120.40
Individual agricultural holdings	72341	173.31	25552	58.94	412409	1045.40
Business entities	2900	3.40	-	-	41500	75.00



**Table 10. Number of fruit trees and area under cherries, sour cherries and apricots**

	Cherries		Sour cherries		Apricots	
	Total number of fruit trees	Total area, ha	Total number of fruit trees	Total area, ha	Total number of fruit trees	Total area, ha
<b>Republic of Macedonia</b>	115227	272.27	1170838	1339.08	129026	247.58
Individual agricultural holdings	109660	254.61	300952	407.19	103778	184.56
Business entities	5567	17.67	869886	931.89	25248	63.02
<b>Pelagonia Region</b>	13495	53.29	230933	217.71	4257	8.19
Individual agricultural holdings	13495	53.29	20183	17.71	4257	8.19
Business entities	-	-	210750	200.00	-	-
<b>Vardar Region</b>	6453	8.89	73622	99.78	33860	56.89
Individual agricultural holdings	6453	8.89	19729	21.78	32624	52.39
Business entities	-	-	53893	78.00	1236	4.50
<b>Northeast Region</b>	9272	15.65	35957	66.82	24687	44.62
Individual agricultural holdings	9272	15.65	9957	14.82	11607	18.52
Business entities	-	-	26000	52.00	13080	26.10
<b>Southwest Region</b>	18073	35.31	14442	12.86	4137	5.54
Individual agricultural holdings	18010	34.31	10692	9.86	4137	5.54
Business entities	63	1.00	3750	3.00	-	-
<b>Skopje Region</b>	19133	50.59	22104	28.25	20282	37.64
Individual agricultural holdings	18728	49.58	11516	16.23	17057	33.55
Business entities	405	1.01	10588	12.02	3225	4.09
<b>Southeast Region</b>	20665	43.95	46573	88.41	22974	58.02
Individual agricultural holdings	20571	43.80	43728	85.36	16970	34.02
Business entities	94	0.15	2845	3.05	6004	24.00
<b>Polog Region</b>	11116	20.77	203383	221.48	5747	7.84
Individual agricultural holdings	11111	20.76	27573	31.46	5727	7.80
Business entities	5	0.01	175810	190.02	20	0.04
<b>East Region</b>	17020	43.82	543824	603.79	13082	28.83
Individual agricultural holdings	12020	28.32	157574	209.97	11399	24.54
Business entities	5000	15.50	386250	393.81	1683	4.29



**Table 11. Number of fruit trees and area under peaches, walnuts and almonds**

	Peaches		Walnuts		Almonds	
	Total number of fruit trees	Total area, ha	Total number of fruit trees	Total area, ha	Total number of fruit trees	Total area, ha
<b>Republic of Macedonia</b>	1006916	1408.19	126531	653.70	76110	153.04
Individual agricultural holdings	697900	1039.80	125906	643.65	37630	71.84
Business entities	309016	368.39	625	10.05	38480	81.20
<b>Pelagonia Region</b>	21076	29.74	10459	50.52	703	1.92
Individual agricultural holdings	21076	29.74	10459	50.52	703	1.92
Business entities	-	-	-	-	-	-
<b>Vardar Region</b>	758855	1023.21	7624	41.59	12902	20.00
Individual agricultural holdings	509523	755.71	7424	39.59	12762	19.80
Business entities	249332	267.50	200	2.00	140	0.20
<b>Northeast Region</b>	24512	40.12	19285	99.30	2738	4.07
Individual agricultural holdings	13512	18.12	19285	99.30	2738	4.07
Business entities	11000	22.00	-	-	-	-
<b>Southwest Region</b>	11786	14.90	28630	118.79	670	1.52
Individual agricultural holdings	11786	14.90	28630	118.79	670	1.52
Business entities	-	-	-	-	-	-
<b>Skopje Region</b>	77326	113.12	8698	48.85	8362	19.50
Individual agricultural holdings	75496	110.02	8598	43.85	6022	14.50
Business entities	1830	3.10	100	5.00	2340	5.00
<b>Southeast Region</b>	90931	149.51	14510	81.16	40034	85.94
Individual agricultural holdings	47514	80.47	14190	78.16	4034	9.94
Business entities	43417	69.04	320	3.00	36000	76.00
<b>Polog Region</b>	7264	10.36	21075	104.46	727	1.56
Individual agricultural holdings	7244	10.32	21070	104.41	727	1.56
Business entities	20	0.04	5	0.05	-	-
<b>East Region</b>	15166	27.24	16250	109.03	9974	18.53
Individual agricultural holdings	11749	20.53	16250	109.03	9974	18.53
Business entities	3417	6.71	-	-	-	-



Table 12. Vineyards

	Vineyards, total		Vineyards - vine sorts		Vineyards - table sorts	
	Total number of grape-vines	Total area, ha	Total number of grape-vines	Total area, ha	Total number of grape-vines	Total area, ha
<b>Republic of Macedonia</b>	83144905	24584.43	74043032	21411.90	9101873	3172.53
Individual agricultural holdings	62544703	17160.42	58002157	15714.30	4542546	1446.12
Business entities	20600202	7424.01	16040875	5697.61	4559327	1726.41
<b>Pelagonia Region</b>	3176110	922.75	2860141	826.45	315969	96.30
Individual agricultural holdings	2016950	574.79	1893481	533.49	123469	41.30
Business entities	1159160	347.96	966660	292.96	192500	55.00
<b>Vardar Region</b>	43020936	11876.99	39239443	10807.84	3781493	1069.16
Individual agricultural holdings	36093330	9762.16	34005970	9187.94	2087360	574.22
Business entities	6927606	2114.84	5233473	1619.90	1694133	494.94
<b>Northeast Region</b>	5801777	1539.97	5192841	1361.05	608936	178.93
Individual agricultural holdings	3794327	922.07	3353791	803.15	440536	118.93
Business entities	2007450	617.90	1839050	557.90	168400	60.00
<b>Southwest Region</b>	1986260	383.85	1896121	363.62	90139	20.23
Individual agricultural holdings	1947260	355.85	1857121	335.62	90139	20.23
Business entities	39000	28.00	39000	28.00	-	-
<b>Skopje Region</b>	5026926	1312.84	4472556	1179.98	554370	132.87
Individual agricultural holdings	3852582	795.84	3388115	699.98	464467	95.87
Business entities	1174344	517.00	1084441	480.00	89903	37.00
<b>Southeast Region</b>	16144027	6114.40	12774400	4560.78	3369627	1553.62
Individual agricultural holdings	8998518	3020.54	7869927	2489.93	1128591	530.60
Business entities	7145509	3093.86	4904473	2070.85	2241036	1023.01
<b>Polog Region</b>	371203	86.29	300221	67.94	70982	18.35
Individual agricultural holdings	371203	86.29	300221	67.94	70982	18.35
Business entities	-	-	-	-	-	-
<b>East Region</b>	7617666	2347.33	7307309	2244.25	310357	103.08
Individual agricultural holdings	5470533	1642.88	5333531	1596.25	137002	46.63
Business entities	2147133	704.45	1973778	648.00	173355	56.45

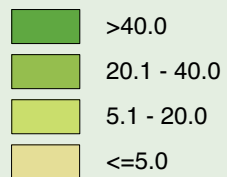


# Areas under vineyards

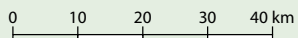
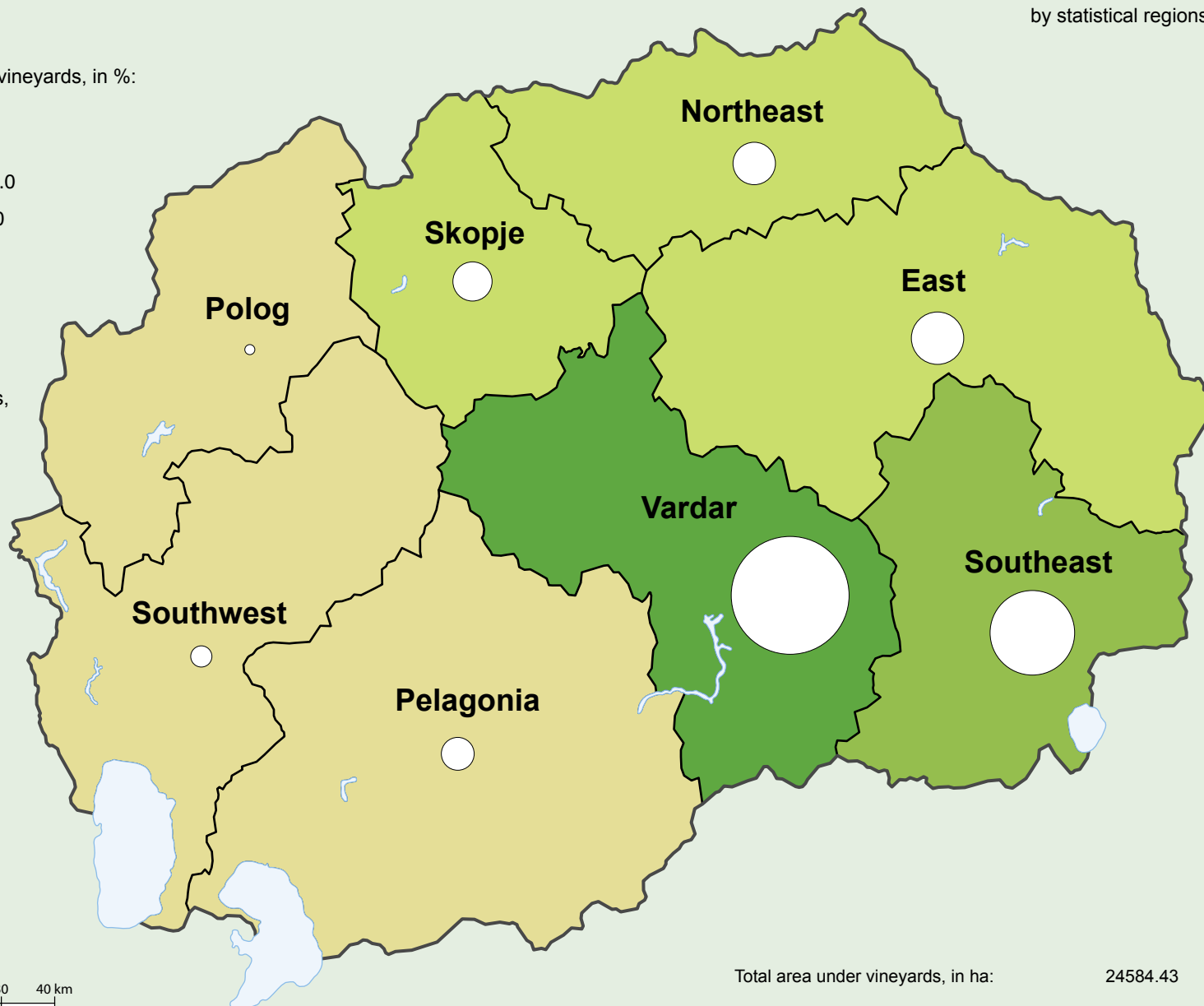
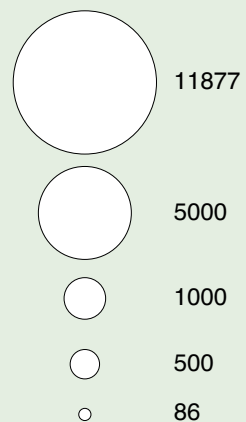
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by statistical regions

Share of areas under vineyards, in %:



Areas under vineyards, in ha:



Total area under vineyards, in ha:

24584.43



**Table 13. Individual agricultural holdings by utilised agricultural land, area under orchards and vineyards**

number

	Industrial plants	Cereals	Fodder crops	Vegetable	Flowers and decorative plants	Orchards	Vineyards
<b>Republic of Macedonia</b>	26364	119542	44264	102931	20511	42743	49364
Individual agricultural holdings	26341	119437	44202	102881	20507	42689	49308
Business entities	23	105	62	50	4	54	56
<b>Pelagonia Region</b>	12226	14677	3868	14105	2674	5861	3076
Individual agricultural holdings	12221	14659	3857	14101	2674	5856	3070
Business entities	5	18	11	4	-	5	6
<b>Vardar Region</b>	1510	3830	1262	5764	1047	2717	13633
Individual agricultural holdings	1508	3819	1252	5757	1047	2708	13617
Business entities	2	11	10	7	-	9	16
<b>Northeast Region</b>	644	16134	4091	11932	1490	5085	5347
Individual agricultural holdings	641	16124	4083	11929	1490	5082	5342
Business entities	3	10	8	3	-	3	5
<b>Southwest Region</b>	122	14239	6943	11923	3169	6274	2657
Individual agricultural holdings	120	14233	6940	11921	3168	6271	2655
Business entities	2	6	3	2	1	3	2
<b>Skopje Region</b>	893	11585	4002	11745	2208	3350	5327
Individual agricultural holdings	891	11576	3994	11739	2208	3346	5324
Business entities	2	9	8	6	-	4	3
<b>Southeast Region</b>	8173	16733	9149	15247	2285	3689	9763
Individual agricultural holdings	8169	16715	9140	15230	2282	3676	9749
Business entities	4	18	9	17	3	13	14
<b>Polog Region</b>	260	19920	10315	15139	5595	6575	899
Individual agricultural holdings	260	19914	10312	15138	5595	6570	899
Business entities	-	6	3	1	-	5	-
<b>East Region</b>	2536	22424	4634	17076	2043	9192	8662
Individual agricultural holdings	2531	22397	4624	17066	2043	9180	8652
Business entities	5	27	10	10	-	12	10



Table 14. Horses, cattle, sheep and goats

heads

	Horses	Cattle				Sheep		Goats	
		Total	Of which:			Total	Of which breeding female sheep	Total	Of which breeding female goats
			Heifers	Heifers in calf	Dairy cows				
<b>Republic of Macedonia</b>	32567	241257	15922	10924	111224	794053	522824	132924	82224
Individual agricultural holdings	32548	232526	14912	10012	107691	749341	490475	131066	80985
Business entities	19	8731	1010	912	3533	44712	32349	1858	1239
<b>Pelagonia Region</b>	4036	50991	3046	2731	24407	139052	94408	11175	6364
Individual agricultural holdings	4036	46856	2415	2415	22573	129154	87083	11111	6322
Business entities	-	4135	631	316	1834	9898	7325	64	42
<b>Vardar Region</b>	2464	11685	755	383	4674	67513	44941	9545	6329
Individual agricultural holdings	2448	11271	751	360	4473	58543	39096	9506	6302
Business entities	16	414	4	23	201	8970	5845	39	27
<b>Northeast Region</b>	2254	30165	2083	1445	15631	75983	52052	19434	11243
Individual agricultural holdings	2254	30150	2082	1444	15627	75273	51682	19150	11099
Business entities	-	15	1	1	4	710	370	284	144
<b>Southwest Region</b>	2805	23738	1310	880	10108	109627	68139	13533	7317
Individual agricultural holdings	2805	23619	1310	878	10096	107744	66799	13363	7147
Business entities	-	119	-	2	12	1883	1340	170	170
<b>Skopje Region</b>	2818	24870	1645	1161	11851	44914	29340	8405	5534
Individual agricultural holdings	2816	23553	1621	1081	11422	43289	28085	8405	5534
Business entities	2	1317	24	80	429	1625	1255	-	-
<b>Southeast Region</b>	10103	26031	1748	1488	11496	71147	50549	25122	17455
Individual agricultural holdings	10102	24173	1637	1128	10783	62501	45147	23967	16695
Business entities	1	1858	111	360	713	8646	5402	1155	760
<b>Polog Region</b>	4415	44243	3483	1553	20822	98992	51609	7972	4459
Individual agricultural holdings	4415	44166	3481	1549	20785	95910	48551	7966	4455
Business entities	-	77	2	4	37	3082	3058	6	4
<b>East Region</b>	3672	29534	1852	1283	12235	186825	131786	37738	23523
Individual agricultural holdings	3672	28738	1615	1157	11932	176927	124032	37598	23431
Business entities	-	796	237	126	303	9898	7754	140	92



Table 15. Pigs, poultry, hares and beehives

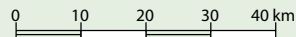
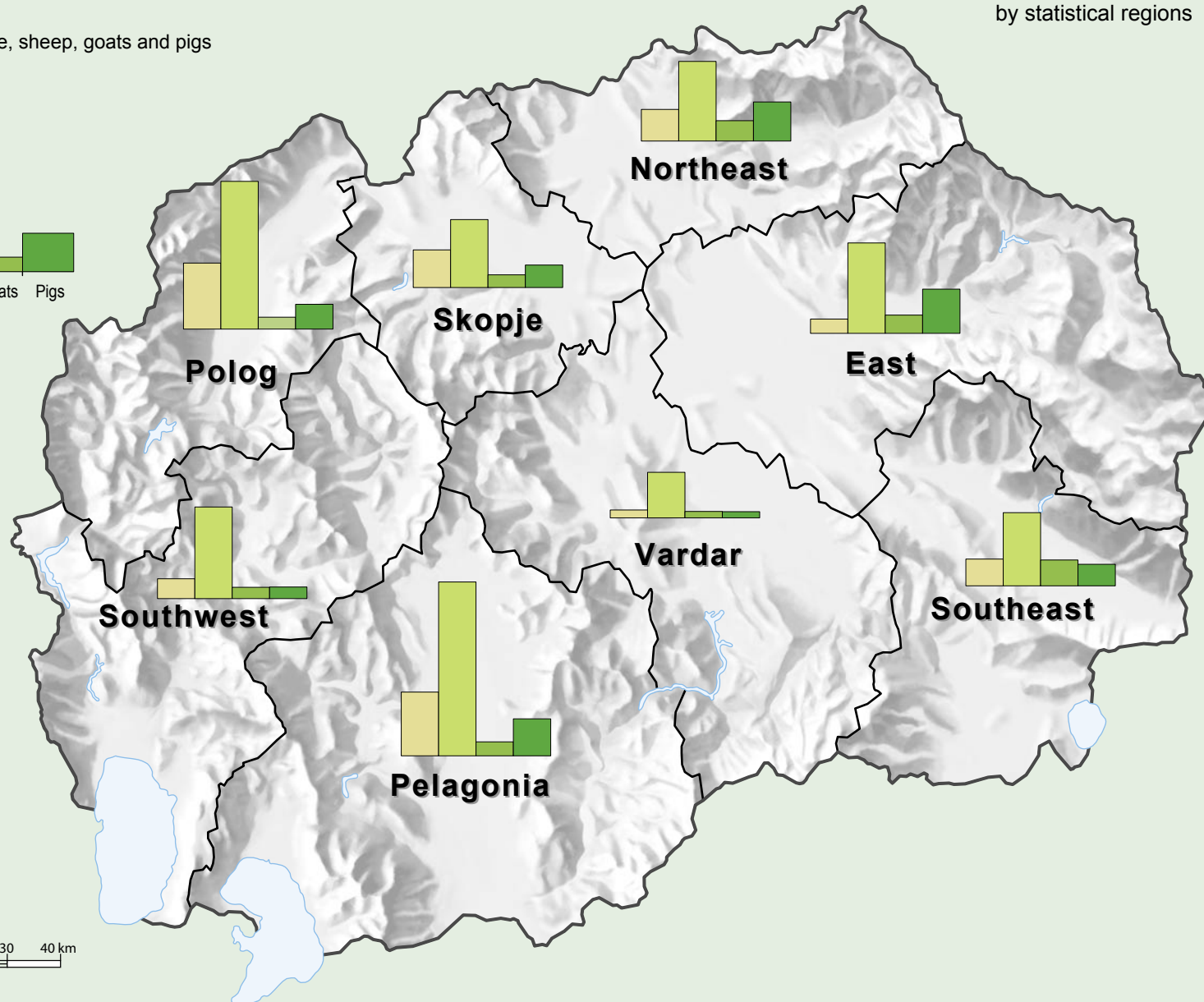
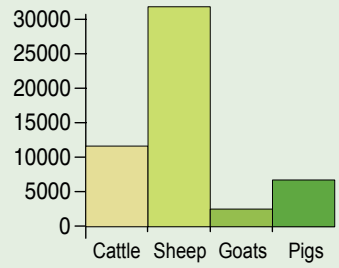
number

	Pigs				Poultry	Hares	Beehives
	Total	Of which					
		Sows (gilts) in farrow	Sows	Boars			
<b>Republic of Macedonia</b>	233702	3605	19311	1957	2428828	35567	109769
Individual agricultural holdings	173185	2714	13664	1628	1398064	35542	109003
Business entities	60517	891	5647	329	1030764	25	766
<b>Pelagonia Region</b>	29584	192	2805	186	492018	2401	21732
Individual agricultural holdings	24222	182	2333	171	267506	2401	21722
Business entities	5362	10	472	15	224512	-	10
<b>Vardar Region</b>	9219	107	452	59	165517	3256	10472
Individual agricultural holdings	8112	83	422	57	58264	3256	10372
Business entities	1107	24	30	2	107253	-	100
<b>Northeast Region</b>	37292	1081	2585	398	371408	3564	13251
Individual agricultural holdings	37217	1079	2585	397	230656	3564	13243
Business entities	75	2	-	1	140752	-	8
<b>Southwest Region</b>	13862	191	1381	115	204540	1457	16376
Individual agricultural holdings	13444	191	1135	110	172440	1457	16376
Business entities	418	-	246	5	32100	-	-
<b>Skopje Region</b>	14863	191	1095	169	134982	2994	6314
Individual agricultural holdings	14211	171	785	165	130982	2994	5714
Business entities	652	20	310	4	4000	-	600
<b>Southeast Region</b>	20954	118	1326	169	464125	8794	6559
Individual agricultural holdings	20730	100	1276	164	173202	8784	6519
Business entities	224	18	50	5	290923	10	40
<b>Polog Region</b>	16598	184	1384	67	294566	635	13789
Individual agricultural holdings	6829	81	450	48	160440	635	13781
Business entities	9769	103	934	19	134126	-	8
<b>East Region</b>	91330	1541	8283	794	301672	12466	21276
Individual agricultural holdings	48420	827	4678	516	204574	12451	21276
Business entities	42910	714	3605	278	97098	15	-



by statistical regions

Total number of cattle, sheep, goats and pigs



**Table 16. Individual agricultural holdings with livestock, poultry, hares and beehives**

number

	Agricultural holdings with:							
	Cattle	Horses	Sheep	Goats	Pigs	Poultry	Hares	Beehives
<b>Republic of Macedonia</b>	50593	26654	8386	25401	50315	62350	3353	5270
Individual agricultural holdings	50559	26651	8355	25389	50280	62317	3351	5263
Business entities	34	3	31	12	35	33	2	7
<b>Pelagonia Region</b>	7853	3389	1062	1333	6518	9993	235	707
Individual agricultural holdings	7845	3389	1055	1331	6513	9985	235	706
Business entities	8	-	7	2	5	8	-	1
<b>Vardar Region</b>	1606	1696	372	1718	2379	2756	269	464
Individual agricultural holdings	1603	1695	368	1716	2375	2753	269	463
Business entities	3	1	4	2	4	3	-	1
<b>Northeast Region</b>	6612	1878	990	3268	7990	9973	430	798
Individual agricultural holdings	6611	1878	989	3267	7989	9970	430	797
Business entities	1	-	1	1	1	3	-	1
<b>Southwest Region</b>	6946	2081	1265	2354	4225	7541	139	923
Individual agricultural holdings	6943	2081	1260	2353	4223	7539	139	923
Business entities	3	-	5	1	2	2	-	-
<b>Skopje Region</b>	5321	2108	532	1561	3993	4983	259	262
Individual agricultural holdings	5316	2107	529	1561	3990	4982	259	261
Business entities	5	1	3	-	3	1	-	1
<b>Southeast Region</b>	5518	9210	981	5040	8901	8535	760	346
Individual agricultural holdings	5513	9209	979	5038	8898	8529	759	344
Business entities	5	1	2	2	3	6	1	2
<b>Polog Region</b>	11939	3448	861	1528	1992	6601	100	534
Individual agricultural holdings	11937	3448	857	1527	1988	6597	100	533
Business entities	2	-	4	1	4	4	-	1
<b>East Region</b>	4798	2844	2323	8599	14317	11968	1161	1236
Individual agricultural holdings	4791	2844	2318	8596	14304	11962	1160	1236
Business entities	7	-	5	3	13	6	1	-

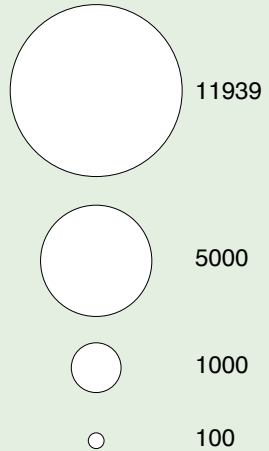


# Individual agricultural holdings that own cattle and sheep

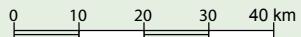
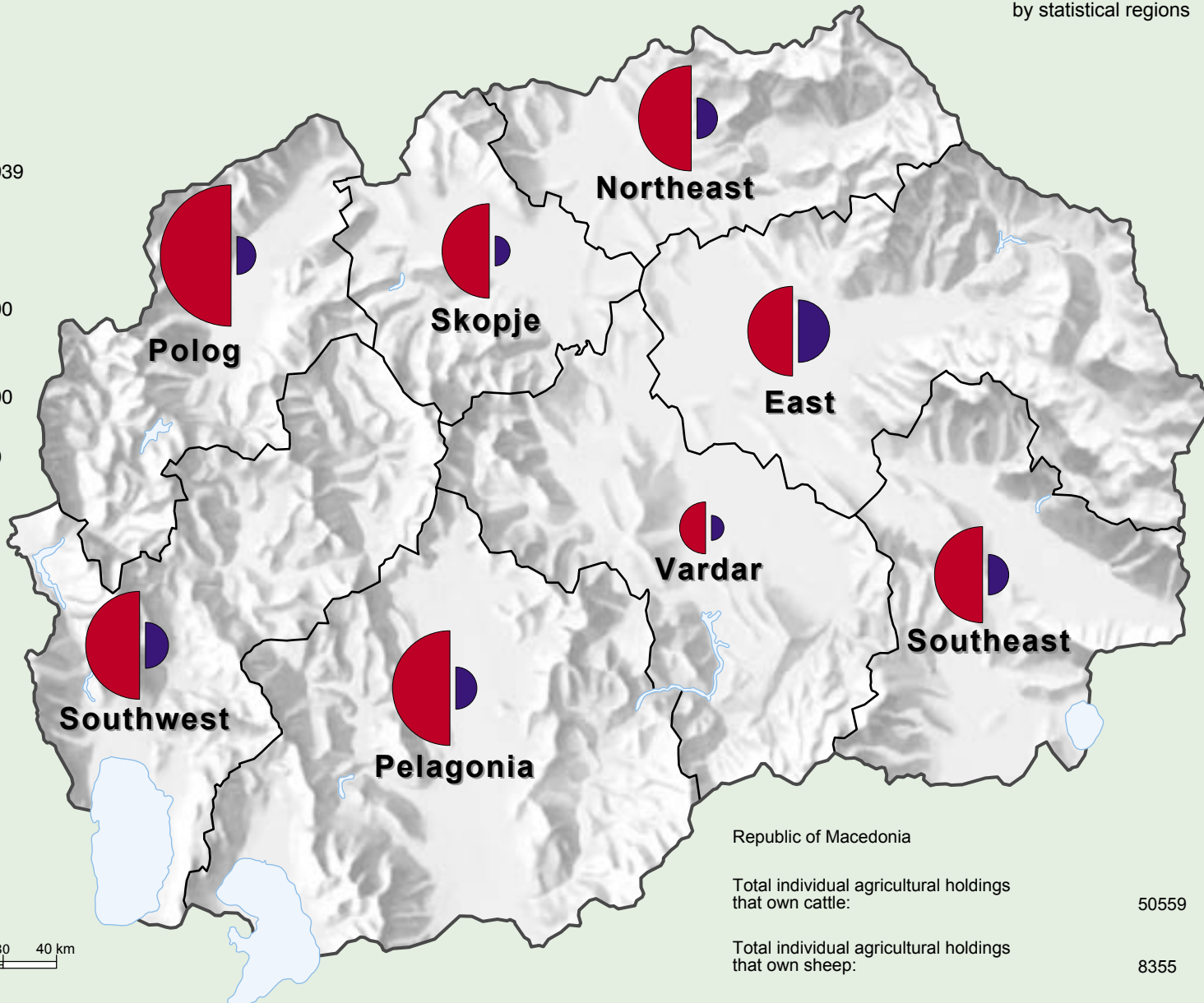
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by statistical regions

Number of holdings:



with cattle  
with sheep



**Table 17. Number and capacity of facilities for livestock and poultry**

	Facilities for bovine animals and equines			Facilities for pigs, sheep and goats			Poultry houses			Facilities for other animals		
	Total number	Surface, m2	Volume, m3	Total number	Surface, m2	Volume, m3	Total number	Surface, m2	Volume, m3	Total number	Surface, m2	Volume, m3
<b>Republic of Macedonia</b>	<b>60547</b>	<b>2738495</b>	<b>7226420</b>	<b>37151</b>	<b>1193462</b>	<b>2694300</b>	<b>23045</b>	<b>325882</b>	<b>660177</b>	<b>915</b>	<b>34943</b>	<b>81782</b>
Individual agricultural holdings	60403	2654676	6916188	36977	1065777	2339061	22949	232669	449152	911	33337	74164
Business entities	144	83819	310232	174	127685	355239	96	93213	211025	4	1606	7618
<b>Pelagonia Region</b>	<b>8361</b>	<b>409634</b>	<b>1091844</b>	<b>4380</b>	<b>171644</b>	<b>398872</b>	<b>3764</b>	<b>60185</b>	<b>129218</b>	<b>188</b>	<b>2845</b>	<b>7281</b>
Individual agricultural holdings	8315	367284	893669	4341	157076	346142	3751	37839	82036	188	2845	7281
Business entities	46	42350	198175	39	14568	52730	13	22346	47182	-	-	-
<b>Vardar Region</b>	<b>2185</b>	<b>107654</b>	<b>251741</b>	<b>2109</b>	<b>102077</b>	<b>215403</b>	<b>820</b>	<b>17947</b>	<b>37239</b>	<b>43</b>	<b>1126</b>	<b>2192</b>
Individual agricultural holdings	2175	96272	222631	2092	92433	195116	811	10817	21899	43	1126	2192
Business entities	10	11382	29110	17	9644	20287	9	7130	15340	-	-	-
<b>Northeast Region</b>	<b>7566</b>	<b>249322</b>	<b>598742</b>	<b>7047</b>	<b>138023</b>	<b>289378</b>	<b>4980</b>	<b>66314</b>	<b>123237</b>	<b>130</b>	<b>2330</b>	<b>5252</b>
Individual agricultural holdings	7563	248852	596892	7043	136953	286698	4951	37552	66201	130	2330	5252
Business entities	3	470	1850	4	1070	2680	29	28762	57036	-	-	-
<b>Southwest Region</b>	<b>8221</b>	<b>416818</b>	<b>1120588</b>	<b>3767</b>	<b>130147</b>	<b>307026</b>	<b>3582</b>	<b>39491</b>	<b>73690</b>	<b>86</b>	<b>3710</b>	<b>5288</b>
Individual agricultural holdings	8216	416116	1118718	3762	126682	296881	3579	37091	66690	86	3710	5288
Business entities	5	702	1870	5	3465	10145	3	2400	7000	-	-	-
<b>Skopje Region</b>	<b>5416</b>	<b>205703</b>	<b>461195</b>	<b>3913</b>	<b>101233</b>	<b>208688</b>	<b>2348</b>	<b>35571</b>	<b>65372</b>	<b>118</b>	<b>4226</b>	<b>6347</b>
Individual agricultural holdings	5409	202253	454095	3901	97701	201759	2345	33301	60697	118	4226	6347
Business entities	7	3450	7100	12	3532	6929	3	2270	4675	-	-	-
<b>Southeast Region</b>	<b>8540</b>	<b>387212</b>	<b>1056249</b>	<b>2718</b>	<b>83724</b>	<b>175792</b>	<b>931</b>	<b>27052</b>	<b>70157</b>	<b>62</b>	<b>6834</b>	<b>12807</b>
Individual agricultural holdings	8522	378506	1032472	2712	77858	158812	909	12977	26669	61	6718	12459
Business entities	18	8706	23777	6	5866	16980	22	14075	43488	1	116	348
<b>Polog Region</b>	<b>13605</b>	<b>670423</b>	<b>1923173</b>	<b>2654</b>	<b>99623</b>	<b>240082</b>	<b>3831</b>	<b>42968</b>	<b>82545</b>	<b>152</b>	<b>9405</b>	<b>25076</b>
Individual agricultural holdings	13571	665563	1911673	2645	88767	217032	3826	37628	69335	152	9405	25076
Business entities	34	4860	11500	9	10856	23050	5	5340	13210	-	-	-
<b>East Region</b>	<b>6653</b>	<b>291729</b>	<b>722888</b>	<b>10563</b>	<b>366991</b>	<b>859059</b>	<b>2789</b>	<b>36354</b>	<b>78719</b>	<b>136</b>	<b>4467</b>	<b>17539</b>
Individual agricultural holdings	6632	279830	686038	10481	288307	636621	2777	25464	55625	133	2977	10269
Business entities	21	11899	36850	82	78684	222438	12	10890	23094	3	1490	7270



**Table 18. Number and capacity of facilities for organic fertilizer**

	Facilities for solid dung			Facilities for liquid manure		
	Total number	Surface, m2	Volume, m3	Total number	Surface, m2	Volume, m3
<b>Republic of Macedonia</b>	<b>3511</b>	<b>163972</b>	<b>415899</b>	<b>1231</b>	<b>82454</b>	<b>209882</b>
Individual agricultural holdings	3448	132623	351334	1220	73175	195238
Business entities	63	31349	64565	11	9279	14644
<b>Pelagonia Region</b>	<b>257</b>	<b>27756</b>	<b>47026</b>	<b>18</b>	<b>319</b>	<b>650</b>
Individual agricultural holdings	241	12861	22166	15	235	446
Business entities	16	14895	24860	3	84	204
<b>Vardar Region</b>	<b>147</b>	<b>11759</b>	<b>23384</b>	<b>12</b>	<b>264</b>	<b>476</b>
Individual agricultural holdings	138	8184	17134	11	164	376
Business entities	9	3575	6250	1	100	100
<b>Northeast Region</b>	<b>176</b>	<b>13548</b>	<b>7724</b>	<b>29</b>	<b>354</b>	<b>685</b>
Individual agricultural holdings	167	12583	6454	28	339	625
Business entities	9	965	1270	1	15	60
<b>Southwest Region</b>	<b>618</b>	<b>19211</b>	<b>42177</b>	<b>217</b>	<b>5111</b>	<b>12508</b>
Individual agricultural holdings	618	19211	42177	217	5111	12508
Business entities	-	-	-	-	-	-
<b>Skopje Region</b>	<b>432</b>	<b>22862</b>	<b>48939</b>	<b>113</b>	<b>43093</b>	<b>39056</b>
Individual agricultural holdings	429	19102	41389	113	43093	39056
Business entities	3	3760	7550	-	-	-
<b>Southeast Region</b>	<b>133</b>	<b>16750</b>	<b>35969</b>	<b>40</b>	<b>1698</b>	<b>6332</b>
Individual agricultural holdings	128	14036	23714	38	818	2252
Business entities	5	2714	12255	2	880	4080
<b>Polog Region</b>	<b>1537</b>	<b>40701</b>	<b>184207</b>	<b>771</b>	<b>23287</b>	<b>138732</b>
Individual agricultural holdings	1530	38301	180997	770	22587	138032
Business entities	7	2400	3210	1	700	700
<b>East Region</b>	<b>211</b>	<b>11385</b>	<b>26473</b>	<b>31</b>	<b>8328</b>	<b>11443</b>
Individual agricultural holdings	197	8345	17303	28	828	1943
Business entities	14	3040	9170	3	7500	9500



**Table 19. Number and capacity of the other facilities**

	Facilities for agricultural products			Facilities for other products			Facilities for agricultural machines and equipment		
	Total number	Surface, m2	Volume, m3	Total number	Surface, m2	Volume, m3	Total number	Surface, m2	Volume, m3
<b>Republic of Macedonia</b>	<b>30324</b>	<b>1479992</b>	<b>4300512</b>	<b>4521</b>	<b>205705</b>	<b>546059</b>	<b>10979</b>	<b>502446</b>	<b>1408194</b>
Individual agricultural holdings	30066	1376133	3854389	4406	168548	440552	10795	434440	1137213
Business entities	258	103859	446123	115	37157	105507	184	68006	270981
<b>Pelagonia Region</b>	<b>5342</b>	<b>327634</b>	<b>973982</b>	<b>819</b>	<b>48160</b>	<b>141895</b>	<b>2625</b>	<b>131097</b>	<b>404707</b>
Individual agricultural holdings	5302	295961	812569	794	36895	100505	2591	115145	296603
Business entities	40	31673	161413	25	11265	41390	34	15952	108104
<b>Vardar Region</b>	<b>673</b>	<b>35459</b>	<b>104109</b>	<b>172</b>	<b>11567</b>	<b>25440</b>	<b>1097</b>	<b>46587</b>	<b>117280</b>
Individual agricultural holdings	650	27250	82667	162	7995	18230	1067	38995	100851
Business entities	23	8209	21442	10	3572	7210	30	7592	16429
<b>Northeast Region</b>	<b>4076</b>	<b>118958</b>	<b>304524</b>	<b>802</b>	<b>22223</b>	<b>51615</b>	<b>1576</b>	<b>58120</b>	<b>155530</b>
Individual agricultural holdings	4061	113652	293164	796	21666	50735	1556	53889	143450
Business entities	15	5306	11360	6	557	880	20	4231	12080
<b>Southwest Region</b>	<b>4284</b>	<b>229017</b>	<b>673070</b>	<b>865</b>	<b>38669</b>	<b>108352</b>	<b>644</b>	<b>31336</b>	<b>93381</b>
Individual agricultural holdings	4274	222525	642870	864	37519	105132	641	30306	90416
Business entities	10	6492	30200	1	1150	3220	3	1030	2965
<b>Skopje Region</b>	<b>1916</b>	<b>90749</b>	<b>220077</b>	<b>212</b>	<b>8878</b>	<b>22684</b>	<b>1139</b>	<b>47258</b>	<b>117895</b>
Individual agricultural holdings	1912	89482	215290	211	8728	22284	1131	41821	101767
Business entities	4	1267	4787	1	150	400	8	5437	16128
<b>Southeast Region</b>	<b>1189</b>	<b>82655</b>	<b>238039</b>	<b>307</b>	<b>25650</b>	<b>65179</b>	<b>1540</b>	<b>86381</b>	<b>243974</b>
Individual agricultural holdings	1170	67024	186932	253	11128	25261	1494	70165	173070
Business entities	19	15631	51107	54	14522	39918	46	16216	70904
<b>Polog Region</b>	<b>8234</b>	<b>393976</b>	<b>1280559</b>	<b>794</b>	<b>23813</b>	<b>61880</b>	<b>765</b>	<b>32656</b>	<b>90002</b>
Individual agricultural holdings	8166	386646	1210076	793	23573	61160	761	30926	86002
Business entities	68	7330	70483	1	240	720	4	1730	4000
<b>East Region</b>	<b>4610</b>	<b>201544</b>	<b>506152</b>	<b>550</b>	<b>26745</b>	<b>69014</b>	<b>1593</b>	<b>69011</b>	<b>185425</b>
Individual agricultural holdings	4531	173593	410821	533	21044	57245	1554	53193	145054
Business entities	79	27951	95331	17	5701	11769	39	15818	40371



**Table 20. Number and capacity of facilities for production of mushrooms, glasshouses and plastichouses**

	Facilities for production of mushrooms			Glasshouses			Plastichouses	
	Total number	Surface, m2	Volume, m3	Total number	Surface, m2	Volume, m3	Total number	Surface, m2
<b>Republic of Macedonia</b>	<b>23</b>	<b>3923</b>	<b>14368</b>	<b>176</b>	<b>1496317</b>	<b>2867513</b>	<b>67928</b>	<b>20645410</b>
Individual agricultural holdings	23	3923	14368	60	45797	87942	67836	20584668
Business entities	-	-	-	116	1450520	2779571	92	60742
<b>Pelagonia Region</b>	<b>4</b>	<b>638</b>	<b>2732</b>	<b>6</b>	<b>147300</b>	<b>320200</b>	<b>799</b>	<b>153966</b>
Individual agricultural holdings	4	638	2732	1	100	200	799	153966
Business entities	-	-	-	5	147200	320000	-	-
<b>Vardar Region</b>	<b>1</b>	<b>800</b>	<b>4000</b>	<b>13</b>	<b>120487</b>	<b>241161</b>	<b>4824</b>	<b>1157891</b>
Individual agricultural holdings	1	800	4000	3	175	380	4819	1154995
Business entities	-	-	-	10	120312	240781	5	2896
<b>Northeast Region</b>	<b>1</b>	<b>80</b>	<b>240</b>	<b>2</b>	<b>1010</b>	<b>2732</b>	<b>1073</b>	<b>210326</b>
Individual agricultural holdings	1	80	240	2	1010	2732	1072	210196
Business entities	-	-	-	-	-	-	1	130
<b>Southwest Region</b>	<b>2</b>	<b>157</b>	<b>594</b>	<b>20</b>	<b>72625</b>	<b>249820</b>	<b>217</b>	<b>70218</b>
Individual agricultural holdings	2	157	594	14	2625	4820	217	70218
Business entities	-	-	-	6	70000	245000	-	-
<b>Skopje Region</b>	<b>4</b>	<b>660</b>	<b>1870</b>	<b>11</b>	<b>7627</b>	<b>17921</b>	<b>4491</b>	<b>1646637</b>
Individual agricultural holdings	4	660	1870	9	7597	17851	4474	1646337
Business entities	-	-	-	2	30	70	17	300
<b>Southeast Region</b>	<b>3</b>	<b>152</b>	<b>446</b>	<b>96</b>	<b>665828</b>	<b>947419</b>	<b>55674</b>	<b>17214395</b>
Individual agricultural holdings	3	152	446	28	32950	59899	55656	17163949
Business entities	-	-	-	68	632878	887520	18	50446
<b>Polog Region</b>	<b>1</b>	<b>120</b>	<b>240</b>	<b>2</b>	<b>1000</b>	<b>1100</b>	<b>239</b>	<b>75944</b>
Individual agricultural holdings	1	120	240	1	900	900	239	75944
Business entities	-	-	-	1	100	200	-	-
<b>East Region</b>	<b>7</b>	<b>1316</b>	<b>4246</b>	<b>26</b>	<b>480440</b>	<b>1087160</b>	<b>611</b>	<b>116033</b>
Individual agricultural holdings	7	1316	4246	2	440	1160	560	109063
Business entities	-	-	-	24	480000	1086000	51	6970



**Table 21. Private-owned agricultural mechanization**

	Tractors		Combine for cereals	Machines for collecting agricultural products	Machines for sowing, planting and transplanting	Other machines	number
	Cultivators	Four-wheel					
<b>Republic of Macedonia</b>	22244	53606	1799	4160	10125	26183	
Individual agricultural holdings	22122	52519	1686	4022	9905	25682	
Business entities	122	1087	113	138	220	501	
<b>Pelagonia Region</b>	2748	10702	425	998	4480	5666	
Individual agricultural holdings	2710	10420	399	943	4424	5559	
Business entities	38	282	26	55	56	107	
<b>Vardar Region</b>	1359	5343	79	152	328	2270	
Individual agricultural holdings	1351	5204	68	132	312	2181	
Business entities	8	139	11	20	16	89	
<b>Northeast Region</b>	2882	5308	238	325	1052	2810	
Individual agricultural holdings	2878	5186	208	311	1010	2787	
Business entities	4	122	30	14	42	23	
<b>Southwest Region</b>	2003	3245	109	399	503	2210	
Individual agricultural holdings	1997	3232	108	397	490	2210	
Business entities	6	13	1	2	13	-	
<b>Skopje Region</b>	3597	4827	128	327	609	1311	
Individual agricultural holdings	3588	4726	122	310	593	1261	
Business entities	9	101	6	17	16	50	
<b>Southeast Region</b>	2767	9218	146	375	1549	4386	
Individual agricultural holdings	2747	8989	135	362	1533	4232	
Business entities	20	229	11	13	16	154	
<b>Polog Region</b>	4387	5981	190	947	669	4142	
Individual agricultural holdings	4382	5965	189	947	664	4141	
Business entities	5	16	1	-	5	1	
<b>East Region</b>	2501	8982	484	637	935	3388	
Individual agricultural holdings	2469	8797	457	620	879	3311	
Business entities	32	185	27	17	56	77	





**Table 22. Private-owned agricultural equipment**

number

	Equipment for irrigation	Milking equipment	Grape presses	Other equipment	Vehicles	Tractor trailers
<b>Republic of Macedonia</b>	<b>63191</b>	<b>4118</b>	<b>6022</b>	<b>65334</b>	<b>6616</b>	<b>43072</b>
Individual agricultural holdings	57185	3990	5999	64517	6485	42335
Business entities	6006	128	23	817	131	737
<b>Pelagonia Region</b>	<b>12539</b>	<b>1376</b>	<b>392</b>	<b>13670</b>	<b>1090</b>	<b>8693</b>
Individual agricultural holdings	12441	1361	392	13535	1062	8523
Business entities	98	15	-	135	28	170
<b>Vardar Region</b>	<b>12402</b>	<b>82</b>	<b>2195</b>	<b>7956</b>	<b>719</b>	<b>4280</b>
Individual agricultural holdings	6604	78	2191	7737	701	4145
Business entities	5798	4	4	219	18	135
<b>Northeast Region</b>	<b>4380</b>	<b>293</b>	<b>684</b>	<b>4347</b>	<b>383</b>	<b>3892</b>
Individual agricultural holdings	4375	291	681	4313	371	3836
Business entities	5	2	3	34	12	56
<b>Southwest Region</b>	<b>2252</b>	<b>245</b>	<b>270</b>	<b>4845</b>	<b>411</b>	<b>3195</b>
Individual agricultural holdings	2251	243	270	4828	409	3183
Business entities	1	2	-	17	2	12
<b>Skopje Region</b>	<b>2382</b>	<b>318</b>	<b>547</b>	<b>2636</b>	<b>831</b>	<b>3638</b>
Individual agricultural holdings	2358	307	543	2587	818	3609
Business entities	24	11	4	49	13	29
<b>Southeast Region</b>	<b>11556</b>	<b>455</b>	<b>592</b>	<b>12725</b>	<b>1586</b>	<b>6553</b>
Individual agricultural holdings	11505	383	584	12444	1569	6342
Business entities	51	72	8	281	17	211
<b>Polog Region</b>	<b>2839</b>	<b>935</b>	<b>134</b>	<b>6844</b>	<b>1029</b>	<b>6447</b>
Individual agricultural holdings	2836	933	134	6842	1018	6430
Business entities	3	2	-	2	11	17
<b>East Region</b>	<b>14841</b>	<b>414</b>	<b>1208</b>	<b>12311</b>	<b>567</b>	<b>6374</b>
Individual agricultural holdings	14815	394	1204	12231	537	6267
Business entities	26	20	4	80	30	107



Table 23. Area treated with fertilizers and pesticides

hectares

	Area treated with:		Area treated with pesticides			
	Mineral fertilizers	Organic fertilizers	Herbicides	Insecticides	Fungicides	Rodenticides
<b>Republic of Macedonia</b>	170741.69	35426.39	172329.72	110988.44	57674.26	10395.98
Individual agricultural holdings	134292.96	30761.15	137727.06	95203.36	48762.77	10231.15
Business entities	36448.74	4665.24	34602.66	15785.08	8911.49	164.83
<b>Pelagonia Region</b>	45322.64	7706.55	62888.17	26718.28	10858.55	193.62
Individual agricultural holdings	27569.28	6256.75	46169.77	22196.32	10388.35	193.46
Business entities	17753.36	1449.80	16718.40	4521.96	470.20	0.16
<b>Vardar Region</b>	16154.39	2146.88	5284.11	5935.56	10270.01	329.01
Individual agricultural holdings	11217.07	1802.28	2058.61	3250.64	7732.16	229.01
Business entities	4937.32	344.60	3225.50	2684.92	2537.85	100.00
<b>Northeast Region</b>	24776.32	3796.71	13864.09	5046.63	9109.96	110.28
Individual agricultural holdings	21487.83	3795.70	11377.50	4365.63	8241.06	110.28
Business entities	3288.49	1.02	2486.59	681.00	868.90	-
<b>Southwest Region</b>	8265.65	3188.74	7946.58	18398.99	1395.26	17.49
Individual agricultural holdings	8102.45	3180.34	7839.58	18301.99	1313.26	12.49
Business entities	163.20	8.40	107.00	97.00	82.00	5.00
<b>Skopje Region</b>	9401.39	4373.37	3757.75	3213.94	1278.30	49.44
Individual agricultural holdings	7694.28	3924.97	2070.24	2468.84	793.30	49.44
Business entities	1707.11	448.40	1687.51	745.10	485.00	-
<b>Southeast Region</b>	23906.60	3326.53	22433.50	14883.37	17375.76	9397.67
Individual agricultural holdings	19532.59	3143.09	18706.38	11760.18	14300.57	9344.00
Business entities	4374.01	183.44	3727.13	3123.20	3075.19	53.67
<b>Polog Region</b>	11993.97	5220.25	25473.49	21013.49	4216.35	175.99
Individual agricultural holdings	11862.67	5212.15	25217.54	20742.84	3946.05	175.99
Business entities	131.30	8.10	255.95	270.65	270.30	-
<b>East Region</b>	30920.74	5667.36	30682.02	15778.17	3170.08	122.48
Individual agricultural holdings	26826.79	3445.88	24287.44	12116.92	2048.03	116.48
Business entities	4093.94	2221.48	6394.58	3661.25	1122.05	6.00

Table 24. Irrigated area

	Total number of agricultural holdings/ business entities that irrigated	Irrigated area, ha								
		Total	Cereals	Industrial crops	Vegetable	Fodder crops	Orchards	Vineyards	Meadows	Other
<b>Republic of Macedonia</b>	131334	79637.94	27028.82	5055.29	15961.89	6891.82	6738.89	11868.04	4332.64	1760.56
Individual agricultural holdings	131236	69069.73	24360.46	4533.56	15499.28	4388.52	5908.45	8467.09	4277.14	1635.23
Business entities	98	10568.21	2668.36	521.72	462.61	2503.30	830.44	3400.95	55.50	125.33
<b>Pelagonia Region</b>	17944	13018.51	2876.37	2252.85	2537.54	1591.58	2757.09	308.46	521.18	173.43
Individual agricultural holdings	17933	10584.85	2255.37	1870.75	2474.98	453.58	2659.09	176.46	521.18	173.43
Business entities	11	2433.66	621.00	382.10	62.56	1138.00	98.00	132.00	-	-
<b>Vardar Region</b>	12364	12515.62	1638.98	229.31	977.24	420.50	1358.25	7545.97	163.74	181.63
Individual agricultural holdings	12346	9327.44	873.48	173.65	949.99	217.50	1008.15	5890.80	143.74	70.13
Business entities	18	3188.18	765.50	55.66	27.25	203.00	350.10	1655.17	20.00	111.50
<b>Northeast Region</b>	12498	6980.44	4446.53	191.89	1323.43	418.32	239.85	161.00	92.82	106.59
Individual agricultural holdings	12494	6020.44	3802.53	161.89	1309.43	351.32	137.85	58.00	92.82	106.59
Business entities	4	960.00	644.00	30.00	14.00	67.00	102.00	103.00	-	-
<b>Southwest Region</b>	16442	5629.95	2122.53	145.78	800.45	1017.26	541.36	45.59	766.08	190.90
Individual agricultural holdings	16439	5554.95	2120.73	145.78	783.45	1016.26	486.36	45.59	765.88	190.90
Business entities	3	75.00	1.80	-	17.00	1.00	55.00	-	0.20	-
<b>Skopje Region</b>	11572	4447.40	1043.74	106.95	2236.02	387.84	217.08	158.01	121.27	176.48
Individual agricultural holdings	11565	4109.85	1001.58	106.95	2184.02	171.74	194.78	158.01	118.27	174.48
Business entities	7	337.56	42.16	-	52.00	216.10	22.30	-	3.00	2.00
<b>Southeast Region</b>	20129	14584.62	3355.14	1369.51	4770.54	942.10	713.84	3214.62	106.18	112.70
Individual agricultural holdings	20097	12234.31	3057.20	1349.54	4589.14	599.10	702.15	1748.94	86.18	102.07
Business entities	32	2350.31	297.94	19.97	181.40	343.00	11.69	1465.68	20.00	10.63
<b>Polog Region</b>	21855	11914.03	5966.54	287.65	1732.08	712.85	448.38	37.45	2151.03	578.05
Individual agricultural holdings	21850	11710.63	5902.99	287.65	1732.08	700.65	328.03	37.45	2143.73	578.05
Business entities	5	203.40	63.55	-	-	12.20	120.35	-	7.30	-
<b>East Region</b>	18530	10547.37	5578.99	471.34	1584.59	1401.37	463.03	396.93	410.34	240.78
Individual agricultural holdings	18512	9527.26	5346.58	437.34	1476.19	878.37	392.03	351.83	405.34	239.58
Business entities	18	1020.11	232.41	34.00	108.40	523.00	71.00	45.10	5.00	1.20



**Table 25. Households members who work at individual agricultural holdings and employees at business entities, by age and sex**

	Total	Up to 25 years of age		25 - 34		35 - 44		45 - 54		55 - 64		65 and over	
		Total	Women	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women
<b>Republic of Macedonia</b>	476613	59902	24210	72883	30287	93018	41712	102492	44984	78745	34636	69573	28002
Individual agricultural holdings	471069	59801	24176	72341	30147	91352	41209	100160	44329	77917	34503	69498	27962
Business entities	5544	101	34	542	140	1666	503	2332	655	828	133	75	40
<b>Pelagonia Region</b>	71998	9742	4392	10317	4650	12608	5860	15226	6587	11221	5022	12884	5560
Individual agricultural holdings	70866	9732	4392	10270	4642	12409	5819	14567	6448	11009	4989	12879	5560
Business entities	1132	10	-	47	8	199	41	659	139	212	33	5	-
<b>Vardar Region</b>	47091	6202	2526	7364	3097	9257	4250	10520	4713	8074	3544	5674	2208
Individual agricultural holdings	46279	6194	2524	7215	3072	9070	4223	10164	4632	7962	3525	5674	2208
Business entities	812	8	2	149	25	187	27	356	81	112	19	-	-
<b>Northeast Region</b>	47968	4895	1780	6870	2564	9208	3686	10178	4156	8714	3628	8103	3351
Individual agricultural holdings	47586	4892	1778	6853	2560	9083	3660	9991	4110	8665	3617	8102	3351
Business entities	382	3	2	17	4	125	26	187	46	49	11	1	-
<b>Southwest Region</b>	54686	6532	2701	8520	3836	11204	5472	11173	5229	8200	3931	9057	3821
Individual agricultural holdings	54568	6529	2699	8493	3829	11151	5450	11150	5224	8188	3926	9057	3821
Business entities	118	3	2	27	7	53	22	23	5	12	5	-	-
<b>Skopje Region</b>	46267	5695	2089	7213	2726	8578	3588	9571	4121	8248	3425	6962	2479
Individual agricultural holdings	45985	5686	2088	7171	2715	8514	3573	9441	4102	8211	3415	6962	2479
Business entities	282	9	1	42	11	64	15	130	19	37	10	-	-
<b>Southeast Region</b>	68235	9472	4152	11563	4999	13693	6233	14756	6612	11004	4924	7747	3167
Individual agricultural holdings	67003	9421	4126	11427	4940	13370	6120	14346	6482	10759	4892	7680	3127
Business entities	1232	51	26	136	59	323	113	410	130	245	32	67	40
<b>Polog Region</b>	69513	10635	4037	11912	4771	15090	6904	13847	6280	9635	4342	8394	3044
Individual agricultural holdings	69307	10623	4037	11879	4769	15029	6895	13777	6267	9606	4336	8393	3044
Business entities	206	12	-	33	2	61	9	70	13	29	6	1	-
<b>East Region</b>	70855	6729	2533	9124	3644	13380	5719	17221	7286	13649	5820	10752	4372
Individual agricultural holdings	69475	6724	2532	9033	3620	12726	5469	16724	7064	13517	5803	10751	4372
Business entities	1380	5	1	91	24	654	250	497	222	132	17	1	-

<sup>1</sup>Here are included all persons who perform agricultural activities at the individual agricultural holdings, irrespective of the number of working hours and the kind of agricultural activities, and regardless if the agricultural activities are their only activity, principal, supplementary or occasional activity

**Table 26. Seasonally engaged persons by the individual agricultural holdings and the business entities**

	Number of persons		
	Total	Men	Women
<b>Republic of Macedonia</b>	<b>109606</b>	<b>67686</b>	<b>41920</b>
Individual agricultural holdings	103187	65337	37850
Business entities	6419	2349	4070
<b>Pelagonia Region</b>	<b>8379</b>	<b>6287</b>	<b>2092</b>
Individual agricultural holdings	7802	5975	1827
Business entities	577	312	265
<b>Vardar Region</b>	<b>43232</b>	<b>19309</b>	<b>23923</b>
Individual agricultural holdings	43131	19275	23856
Business entities	101	34	67
<b>Northeast Region</b>	<b>11297</b>	<b>7235</b>	<b>4062</b>
Individual agricultural holdings	6963	5611	1352
Business entities	4334	1624	2710
<b>Southwest Region</b>	<b>5450</b>	<b>4303</b>	<b>1147</b>
Individual agricultural holdings	5450	4303	1147
Business entities	-	-	-
<b>Skopje Region</b>	<b>2886</b>	<b>2357</b>	<b>529</b>
Individual agricultural holdings	2856	2351	505
Business entities	30	6	24
<b>Southeast Region</b>	<b>22275</b>	<b>15530</b>	<b>6745</b>
Individual agricultural holdings	21971	15406	6565
Business entities	304	124	180
<b>Polog Region</b>	<b>7719</b>	<b>6992</b>	<b>727</b>
Individual agricultural holdings	7708	6981	727
Business entities	11	11	-
<b>East Region</b>	<b>8368</b>	<b>5673</b>	<b>2695</b>
Individual agricultural holdings	7306	5435	1871
Business entities	1062	238	824



**Table 27. Households members who work at individual agricultural holdings and employees at business entities, by level of education**

	Total	No education	Incomplete primary education	Primary education	3 years of secondary non agricultural education	3 and 4 years of secondary agricultural education	4 years of secondary non agricultural education	Higher or university agricultural level of education	Higher or university non agricultural level of education	Master's degree and Doctorate in agricultural sciences	Master's degree and Doctorate in non agricultural sciences	Persons with agricultural education	Persons with non agricultural education
	1	2	3	4	5	6	7	8	9	10	11	12=6+8+10	13=5+7+9+11
<b>Republic of Macedonia</b>	476613	22435	50714	193225	40443	18068	117960	5906	27176	302	384	24276	185963
Individual agricultural holdings	471069	22426	50298	191117	39964	17493	116951	5446	26742	257	375	23196	184032
Business entities	5544	9	416	2108	479	575	1009	460	434	45	9	1080	1931
<b>Pelagonia region</b>	71998	3378	9063	25681	7258	3415	17407	1273	4392	75	56	4763	29113
Individual agricultural holdings	70866	3373	9005	25402	7076	3224	17256	1125	4301	53	51	4402	28684
Business entities	1132	5	58	279	182	191	151	148	91	22	5	361	429
<b>Vardar region</b>	47091	1324	4905	14066	4578	2018	15710	889	3556	14	31	2921	23875
Individual agricultural holdings	46279	1324	4707	13866	4500	1931	15599	832	3476	14	30	2777	23605
Business entities	812	-	198	200	78	87	111	57	80	-	1	144	270
<b>Northeast Region</b>	47968	2774	5907	19065	3669	2423	11237	504	2329	28	32	2955	17267
Individual agricultural holdings	47586	2773	5865	18977	3638	2378	11176	466	2256	25	32	2869	17102
Business entities	382	1	42	88	31	45	61	38	73	3	-	86	165
<b>Southwest Region</b>	54686	2228	3928	25487	3886	1078	13613	460	3905	30	71	1568	21475
Individual agricultural holdings	54568	2228	3919	25474	3870	1071	13574	455	3876	30	71	1556	21391
Business entities	118	-	9	13	16	7	39	5	29	-	-	12	84
<b>Skopje Region</b>	46267	1626	3037	20954	6417	1281	10720	342	1836	21	33	1644	19006
Individual agricultural holdings	45985	1625	3027	20852	6383	1261	10671	313	1803	17	33	1591	18890
Business entities	282	1	10	102	34	20	49	29	33	4	-	53	116
<b>Southeast Region</b>	68235	4537	11962	25224	5564	3284	13761	953	2893	38	19	4275	22237
Individual agricultural holdings	67003	4535	11912	24688	5503	3158	13467	860	2839	24	17	4042	21826
Business entities	1232	2	50	536	61	126	294	93	54	14	2	233	411
<b>Polog Region</b>	69513	3533	4155	38578	2567	2328	14641	479	3084	60	88	2867	20380
Individual agricultural holdings	69307	3533	4154	38517	2544	2299	14581	462	3070	59	88	2820	20283
Business entities	206	-	1	61	23	29	60	17	14	1	-	47	97
<b>East Region</b>	70855	3035	7757	24170	6504	2241	20871	1006	5181	36	54	3283	32610
Individual agricultural holdings	69475	3035	7709	23341	6450	2171	20627	933	5121	35	53	3139	32251
Business entities	1380	-	48	829	54	70	244	73	60	1	1	144	359

<sup>1)</sup> Here are included all persons that perform agricultural activities at the individual agricultural holding, irrespective of the number of working hours and regardless if the agricultural activities are their only, principal, supplementary or occasional activity

