

**NATIONAL STATISTICS OFFICE OF GEORGIA**

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(PRODUCTION METHODS AND ENVIRONMENT)  
2021**



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TBILISI 2023**

NATIONAL STATISTICS OFFICE OF GEORGIA

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## Foreword

This publication has been prepared in accordance with the agreement signed between the National Statistics Office of Georgia and the Food and Agriculture Organization of the United Nations (FAO), according to the results of the "Production Methods and Environment" survey (PME Module) implemented within the project "50X2030 Initiative".

The objective of the survey of "Production Methods and Environment" is the production of new statistical indicators in terms of agriculture and the environment, including soil analysis carried out by holdings, irrigation and drainage, the use of fertilizers and pesticides and their varieties, methods of production of agricultural products, veterinary products, and their use, animal housing, manure production, etc. It is noteworthy that SDG 2.4.1 (Proportion of agricultural area under productive and sustainable agriculture) was produced according to the mentioned survey results.

Database of the 2014 Agriculture Census of Georgia was used for the survey sampling frame while the sampling size was around 6 thousand holdings.

The survey covered both family holdings and enterprises engaged in agricultural activity. Survey data was collected with android tablets using Computer Assisted Personal Interviewing (CAPI) method. In total, 176 interviewers and 23 coordinators were involved in the survey fieldwork activity. The survey was conducted in all regions of Georgia except non-controlled territory.

Remarks and proposals on the format and contents related to this publication will be perceived by the group of authors with gratitude.

The National Statistics Office of Georgia

## Definitions and Explanations

**Holder** - An individual or legal person who takes basic decisions on the use of resources of the holding, operates the holding and has financial and economic rights and responsibilities for the holding. There are two types of holders: household and legal entity. In case the holder is a household, under holder it is also understood household member, which manages agricultural holding.

**Agricultural holding (holding)** - An economic unit engaged in agricultural production under single management without regard to its size and legal status. There are two types of agricultural holding: family holding and agricultural enterprise.

**Temporary crop** - A crop with a complete growing cycle of less than one year. Sown perennial grasses (alfalfa, trefoil, sainfoin, etc.) also belong to this category.

**Permanent crop** - A crop with a complete growing cycle of more than one year. It includes various types of fruit trees, vines, citrus, berries and others.

**Mineral fertilizer** - implies a factory-made fertilizer, which contains also chemical elements in addition to organic substances. According to the nutrients contained in it, nitrogenous fertilizers (for example, ammonium diatomaceous earth, anhydrous ammonia, etc.), phosphorous fertilizers (for example, superphosphate, etc.), potassium fertilizers (for example, potassium diatomaceous earth, potassium sulfate, etc.), complex fertilizers (for example, amphos, amfosca, nitroamphos, nitroamofosca) is distinguished.

**Organic and mineral fertilizers** – are obtained by mixing one or more organic fertilizers (through chemical reaction or dry mixing) with one or more mineral fertilizers.

**Compost** - is a result of a biochemical process, during which organic products (agricultural waste, generated both in vegetation and livestock) are transformed into fertilizer.

**Mulch** - is a dead organic material that covers the soil to prevent drying, erosion, compaction, frost protection, etc. For mulch, crushed peat, dried leaves, and sawdust might be used.

**Bio-fertilizer** – a substance that contains microorganisms useful for the environment (rhizobium, nitrogen bacteria, etc.) adding this to the soil ensures the multiplication (colonization) of beneficial bacteria, which increases soil fertility and ensures more efficient growth of crops.

**Solid Manure** – excrements of livestock/poultry used for increasing the fertility of the soil.

**Liquid Manure** – a liquid mass of cattle urine or solid manure with water (or urine) used to increase soil fertility.

**Pesticides** – a chemical substance used against various pests or weeds. Types of pesticides are insecticides, herbicides, fungicides and etc.

**Stanchion-tied stable** – A cattle housing place where cattle are tied in one place with no chance to move freely without limits. In this case, it might be possible collecting cattle manure and urine (for liquid or solid manure) or automatic drainage from the cattle stable or entire housing through inclined floors throughout special grooves and small or adult trenches.

**Loose housing** – A cattle housing place for cattle with a chance to move freely throughout the building or in a special isolated place (usually rectangular) of the building. In most cases, in this type of housing cattle manure, is collected from the entire floor, if the floor is made with suitable material for example of suitable material, for example, concrete (beton), or if there is a suitable pit in the cattle feeding area the main part of the manure is collected there.

**Shelter** - A roofed simple residential structure, built of wood, stone, or brick.

**Pig house with partially or completely slatted floors** – A housing for pigs with partially or completely slatted floors, made with wooden materials (wooden plane with evenly spaced slits) and designed to automatically and easily drain pig excrement and urine.



**Pig house/chicken house with straw/hay /sawdust beds** – is a pig or chicken housing most part of which is strewn with straw/hay /sawdust.

**Pig house/chicken house with wood, stone, or concrete -beds** – is a usual pig house/chicken house with wood, stone, or concrete-beds main part of which does not strew with straw/hay /sawdust.

**Battery cage with manure belt** – A poultry cage made usually with metal wire with a capacity of more than one chicken and with a manure belt allowing collect poultry manure in an effective manner.

**Battery cage with deep pit** - A poultry cage made usually with metal wire with a capacity of more than one chicken without a manure belt. In this case, manure is deranged and collected directly, under the cage.

**Forages** – includes cattle food such as hay and grass, grass or hay silage, corn silage, etc.

**Biomass** – includes energy resources used in agricultural activity. For example, wood, hay, plant materials, etc.

**Shifting cultivation** – a shifting rotation of annual crops and grasses cultivated on slopes in order to avoid erosion processes.

**Liming** – a soil liming of agricultural land.

**Teraccess** – Sowing annual crops on land as terraces or planting perennial crops (vineyards, fruit trees, vegetables, etc.).

**Rotational grazing of cattle** – grazing cattle based on a rotation way by holding on to the used (and not a common) pasture when the holding changes the grazing areas from time to time in order to allow the natural renewal of the pastures.

**An area equipped with an irrigation system** – is a land area equipped with a central irrigation system despite of whether it was used or not by holding during a reference year.

**Irrigated area** – is land that was irrigated in various ways. For example, irrigation systems, pipes, pumps, etc.

**Surface irrigation (flooding, furrows)** – A method of irrigation that means covering agricultural land (arable land with permanent crops) with grooves to make ducts obtained by digging the ground layer, where the water is released.

**Sprinkle irrigation** – A method of irrigation that means to obtain water for agricultural crops through a system of ducts and then sprayed into the air at high pressure, causing the water to break up into small droplets in the air and sprinkle them on agricultural crops like rainwater.

**Spray or microsprinkler irrigation** – A method of irrigation that works like sprinkle irrigation through the spray with low pressure and is mainly used for crops for which it is important to keep the stem and/or leaves moist.

**Drip irrigation** – A method of irrigation that involves bringing water to agricultural crops through a system of pipes and watering them slowly and continuously by drip. The drip injector is placed close to the soil and water droplets are delivered directly to the plant roots.

**Bubbler irrigation** – method of irrigation mainly used for permanent crops and means to make irrigation process with drippers of constant construction from which water flows mainly at low pressure, usually in the form of a fountain. A drip injector is located in the circle around the tree or in the square-shaped deepening in the ground, which ensures that the given depression is filled with water and that the water sinks into the ground.

**Drainage system** – an above-ground or underground system for draining water from agricultural land. Surface drainage ensures the outflow of water accumulated on the surface only, while underground drainage for excess water accumulated in the ground.

**Adjusted index of livestock** – Calculating corrected index of average value, it is considered how holding is participating in feeding livestock, what is a share of forage in total livestock food and what is a share of purchased forage in the total forage used for livestock feeding.

**Livestock unit** – Livestock unit (Tropical Livestock Unit) is livestock numbers converted to a common unit. The common unit is taken as cattle compared to converted average economic value of livestock with following coefficients:

- 1 Cattle = 1 Buffalo
- 1 Cattle = 5 Pig
- 1 Cattle = 5 Sheep and Goat
- 1 Cattle = 5 Mule
- 1 Cattle = 1.25 Horse
- 1 Cattle = 50 Rabbit
- 1 Cattle = 50 Poultry
- 1 Cattle = 2.5 Beehive

“-“ Data is not available due to small sample size of the survey.

“X“ Not applicable.

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

The discrepancy between 100 percent and sum of compilers of distribution in some cases can be explained by using rounded data.



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## PART 1. General Information





**Table 1.1. Number of holdings with operated agricultural land by land use type and by region (ths. unit)**  
**2021**

	Number of holdings reporting agricultural land	Number of holdings reporting utilized agricultural land	of which				Uncultivated land
			Temporary crops	Temporary meadows and pastures	Permanent crops	Permanent meadows and pastures	
<b>Georgia</b>	<b>546.6</b>	<b>494.1</b>	<b>413.3</b>	<b>5.8</b>	<b>263.6</b>	<b>77.8</b>	<b>310.3</b>
Tbilisi	12.4	10.8	9.3	0.0	2.1	0.9	9.5
Adjara AR	42.7	42.4	21.0	0.0	33.9	7.9	4.7
Guria	32.0	30.9	27.3	0.0	24.3	1.5	25.2
Imereti	109.2	101.4	93.3	0.6	57.5	12.9	62.1
Kakheti	82.1	72.0	55.7	0.2	45.0	4.0	57.5
Mtskheta-Mtianeti	27.3	23.7	21.8	0.2	5.9	6.0	23.9
Racha-Lechkhumi and Kvemo Svaneti	12.2	11.3	10.1	0.0	5.4	4.4	4.5
Samegrelo-Zemo Svaneti	76.2	71.6	66.8	0.1	47.8	2.5	26.6
Samtskhe-Javakheti	33.3	31.3	29.1	3.8	3.8	17.7	14.9
Kvemo Kartli	59.9	47.7	43.7	0.1	2.9	15.2	42.3
Shida Kartli	59.4	51.0	35.2	0.8	34.9	4.8	38.9

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

Temporary crops does not include area under annual and Perennial grasses.

Permanent meadows and pastures: natural meadows and pastures; Uncultivated land for a long time, which is used for meadows and pastures more than 5 years; Area under perennial grasses.

**Table 1.2. Land area operated by agricultural holdings by land use type and by region (ths. ha)**  
**2021**

	Agricultural land	of which					Non-agricultural land		
		Temporary crops	Temporary meadows and pastures	Permanent crops	Permanent meadows and pastures	Uncultivated land	Land under buildings and yards	Waterbodies for aquaculture	Other non-agricultural land
<b>Georgia</b>	<b>676.1</b>	<b>200.1</b>	<b>3.7</b>	<b>134.9</b>	<b>214.8</b>	<b>122.6</b>	<b>56.7</b>	<b>3.0</b>	<b>8.5</b>
Tbilisi	1.8	0.1	0.0	0.2	0.6	0.9	1.1	0.0	0.0
Adjara AR	21.5	3.6	0.0	12.2	4.8	0.9	1.6	0.0	0.6
Guria	24.5	4.3	0.0	11.5	1.7	7.0	4.7	0.1	1.9
Imereti	58.4	24.4	0.3	10.9	6.8	16.0	15.0	0.2	2.4
Kakheti	267.6	73.4	0.0	48.9	100.5	44.8	9.9	2.1	0.5
Mtskheta-Mtianeti	15.8	3.4	0.1	1.1	5.2	6.0	1.6	0.0	0.1
Racha-Lechkhumi and Kvemo Svaneti	4.8	0.7	0.0	1.0	2.6	0.5	1.4	0.0	0.3
Samegrelo-Zemo Svaneti	62.2	22.8	0.0	29.1	1.9	8.4	9.8	0.5	2.2
Samtskhe-Javakheti	62.3	19.0	2.5	0.6	34.7	5.5	2.0	0.0	0.1
Kvemo Kartli	92.3	22.6	0.4	1.1	50.5	17.7	6.0	0.1	0.3
Shida Kartli	64.6	25.6	0.3	18.3	5.7	14.7	3.7	0.1	0.0

Temporary crops does not include area under annual and Perennial grasses.

Permanent meadows and pastures: natural meadows and pastures; Uncultivated land for a long time, which is used for meadows and pastures more than 5 years; Area under perennial grasses.

**Table 1.3. Distribution of agricultural holdings by agricultural land area, by regions  
2021**

	Number of holdings reporting agricultural land (ths. unit)	of which, %												
		<0.1 ha	0.1-0.19 ha	0.2-0.29 ha	0.3-0.49 ha	0.5-0.74 ha	0.75-0.99 ha	1-1.49 ha	1.5-1.99 ha	2-2.49 ha	2.5-2.99 ha	3-4.99 ha	5-99.99 ha	≥100 ha
<b>Georgia</b>	<b>546.6</b>	<b>19.6</b>	<b>9.5</b>	<b>9.6</b>	<b>15.4</b>	<b>15.5</b>	<b>10.0</b>	<b>10.4</b>	<b>3.6</b>	<b>1.9</b>	<b>0.9</b>	<b>1.9</b>	<b>1.7</b>	<b>0.1</b>
Tbilisi	12.4	82.8	8.1	1.4	2.4	2.8	1.4	0.6	0.5	0.0	0.0	0.0	0.1	0.0
Adjara AR	42.7	7.2	12.6	24.8	27.2	11.9	7.9	3.9	2.2	0.9	0.5	0.8	0.1	0.0
Guria	32.0	8.9	5.7	7.5	18.4	20.2	23.6	11.0	3.4	0.3	0.3	0.4	0.3	0.0
Imereti	109.2	15.3	8.1	10.2	22.5	25.5	9.2	7.4	1.0	0.2	0.1	0.3	0.3	0.0
Kakheti	82.1	18.4	8.6	8.6	11.1	10.8	8.1	13.4	6.5	3.2	1.7	4.3	4.9	0.5
Mtskheta-Mtianeti	27.3	29.3	14.2	10.3	11.0	12.5	7.3	9.1	2.5	1.6	0.6	1.2	0.2	0.0
Racha-Lechkhumi and Kvemo Svaneti	12.2	34.6	17.8	18.4	12.5	10.0	2.1	2.5	0.5	0.4	0.1	0.3	0.7	0.0
Samegrelo-Zemo Svaneti	76.2	24.8	3.2	6.2	13.2	16.8	12.2	13.8	4.1	2.3	1.0	1.6	0.7	0.0
Samtskhe-Javakheti	33.3	12.5	4.8	4.6	7.4	13.4	12.7	23.6	6.3	5.5	1.8	4.3	3.0	0.2
Kvemo Kartli	59.9	22.1	17.8	8.9	12.8	11.8	7.5	7.8	2.7	1.7	1.3	2.5	2.9	0.2
Shida Kartli	59.4	17.7	11.8	7.6	13.0	11.9	10.9	10.9	6.0	3.2	1.6	3.0	2.4	0.0

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

**Table 1.4. Some percentiles of distribution of agricultural land area operated by agricultural holdings by regions  
(ha)  
2021**

	First quartile	Second quartile (median)	Third quartile	9-th decile	95-th percentage
<b>Georgia</b>	<b>0.15</b>	<b>0.44</b>	<b>0.89</b>	<b>1.5</b>	<b>2.4</b>
Tbilisi	0.00	0.01	0.05	0.2	0.5
Adjara AR	0.22	0.32	0.54	0.9	1.4
Guria	0.32	0.63	0.91	1.1	1.4
Imereti	0.20	0.42	0.69	0.9	1.2
Kakheti	0.16	0.55	1.26	2.8	5.1
Mtskheta-Mtianeti	0.07	0.25	0.70	1.2	1.7
Racha-Lechkhumi and Kvemo Svaneti	0.06	0.17	0.33	0.6	0.9
Samegrelo-Zemo Svaneti	0.10	0.51	0.95	1.4	2.1
Samtskhe-Javakheti	0.37	0.90	1.28	2.4	3.8
Kvemo Kartli	0.10	0.30	0.81	1.7	3.1
Shida Kartli	0.15	0.49	1.05	2.0	3.0

**Table 1.5. Area treated by fungicides, by region  
2021**

	Number of holdings reporting the use of pesticides (ths. unit)	of which, Fungicides			
		Number of holdings reporting (ths. Unit)	Temporary crops (ths. ha)	Permanent crops (ths. ha)	Average area (ha)
<b>Georgia</b>	<b>202.2</b>	<b>168.3</b>	<b>17.3</b>	<b>67.5</b>	<b>0.5</b>
Tbilisi	2.3	2.3	0.0	0.0	0.0
Adjara AR	11.1	8.4	0.5	2.0	0.3
Guria	10.0	7.8	0.1	1.7	0.2
Imereti	52.3	49.5	2.0	5.9	0.2
Kakheti	40.6	39.2	3.5	34.0	1.0
Mtskheta-Mtianeti	5.2	3.6	0.2	0.7	0.3
Racha-Lechkhumi and Kvemo Svaneti	6.3	6.3	0.1	0.8	0.1
Samegrelo-Zemo Svaneti	22.3	18.5	2.4	9.7	0.7
Samtskhe-Javakheti	12.0	1.5	1.1	0.0	0.7
Kvemo Kartli	11.3	5.2	3.7	0.2	0.8
Shida Kartli	28.8	25.9	3.6	12.7	0.6

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

**Table 1.6. Area treated by insecticides, by region  
2021**

	Number of holdings reporting the use of pesticides (ths. unit)	of which, Insecticides			
		Number of holdings reporting, (ths. unit)	Temporary crops (ths. ha)	Permanent crops (ths. ha)	Average area (ha)
<b>Georgia</b>	<b>202.2</b>	<b>59.8</b>	<b>13.8</b>	<b>39.1</b>	<b>0.9</b>
Tbilisi	2.3	0.3	0.0	0.0	0.0
Adjara AR	11.1	3.9	0.0	2.1	0.5
Guria	10.0	1.8	0.0	0.3	0.2
Imereti	52.3	2.3	0.0	1.1	0.5
Kakheti	40.6	14.9	3.8	16.7	1.4
Mtskheta-Mtianeti	5.2	2.9	0.1	0.5	0.2
Racha-Lechkhumi and Kvemo Svaneti	6.3	0.2	0.0	0.2	1.2
Samegrelo-Zemo Svaneti	22.3	4.2	1.0	5.8	1.6
Samtskhe-Javakheti	12.0	6.1	3.1	0.0	0.5
Kvemo Kartli	11.3	5.2	3.0	0.1	0.6
Shida Kartli	28.8	18.1	2.7	12.4	0.8

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

**Table 1.7. Area treated by herbicides, by region  
2021**

	Number of holdings reporting the use of pesticides (ths. unit)	of which, Herbicides			
		Number of holdings reporting, ths. unit	Temporary crops, ths. ha	Permanent crops, ths. ha	Average area, ha
<b>Georgia</b>	<b>202.2</b>	<b>41.8</b>	<b>33.8</b>	<b>24.4</b>	<b>1.4</b>
Tbilisi	2.3	0.0	-	-	-
Adjara AR	11.1	0.4	-	-	-
Guria	10.0	2.2	0.1	1.1	0.5
Imereti	52.3	4.5	0.6	0.9	0.3
Kakheti	40.6	11.7	11.9	16.9	2.5
Mtskheta-Mtianeti	5.2	0.8	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	6.3	0.1	-	-	-
Samegrelo-Zemo Svaneti	22.3	3.7	3.0	4.0	1.9
Samtskhe-Javakheti	12.0	9.6	10.1	0.0	1.1
Kvemo Kartli	11.3	3.6	4.5	0.0	1.3
Shida Kartli	28.8	5.2	3.0	1.4	0.8

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

"-" Data is not available due to small sample size of the survey.

**Table 1.8. Area treated by rodenticides, by region  
2021**

	Number of holdings reporting the use of pesticides (ths. unit)	of which, Rodenticides			
		Number of holdings reporting (ths. Unit)	Temporary crops (ths. ha)	Permanent crops (ths. ha)	Average area (ha)
<b>Georgia</b>	<b>202.2</b>	<b>0.8</b>	<b>0.1</b>	<b>1.0</b>	<b>1.4</b>
Tbilisi	2.3	0.0	-	-	-
Adjara AR	11.1	0.0	-	-	-
Guria	10.0	0.0	-	-	-
Imereti	52.3	0.2	-	-	-
Kakheti	40.6	0.1	-	-	-
Mtskheta-Mtianeti	5.2	0.0	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	6.3	0.0	-	-	-
Samegrelo-Zemo Svaneti	22.3	0.0	-	-	-
Samtskhe-Javakheti	12.0	0.0	-	-	-
Kvemo Kartli	11.3	0.0	-	-	-
Shida Kartli	28.8	0.5	-	-	-

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

"-" Data is not available due to small sample size of the survey.

**Table 1.9. Area treated by other\* pesticides, by region  
2021**

	Number of holdings reporting the use of pesticides (ths. unit)	of which, other* pesticides			
		Number of holdings reporting, (ths. unit)	Temporary crops (ths. ha)	Permanent crops (ths. ha)	Average area (ha)
<b>Georgia</b>	<b>202.2</b>	<b>6.1</b>	<b>5.5</b>	<b>0.2</b>	<b>0.9</b>
Tbilisi	2.3	0.0	-	-	-
Adjara AR	11.1	0.0	-	-	-
Guria	10.0	0.0	-	-	-
Imereti	52.3	0.1	-	-	-
Kakheti	40.6	0.1	-	-	-
Mtskheta-Mtianeti	5.2	0.0	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	6.3	0.0	-	-	-
Samegrelo-Zemo Svaneti	22.3	0.1	-	-	-
Samtskhe-Javakheti	12.0	4.2	3.4	0.0	0.8
Kvemo Kartli	11.3	0.1	-	-	-
Shida Kartli	28.8	1.6	0.7	0.0	0.5

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

\*other pesticides do not include fungicides, insecticides, herbicides and rodenticides.

"-" Data is not available due to small sample size of the survey.

**Table 1.10. Number of holdings reporting orchards, area of orchards and number of trees and by region  
2021**

	Number of holdings reporting orchards (ths. unit)	Area of orchards (ths. ha)	Number of trees in permanent crops (ths. unit)	Number of trees in orchards (ths. unit)
<b>Georgia</b>	<b>146.7</b>	<b>77.4</b>	<b>41 336.3</b>	<b>34 408.0</b>
Tbilisi	1.6	-	-	-
Adjara AR	14.6	4.5	4 261.5	2 210.4
Guria	21.3	7.9	5 113.4	4 646.1
Imereti	16.0	4.7	3 663.2	3 491.6
Kakheti	13.8	16.9	5 529.9	5 113.9
Mtskheta-Mtianeti	3.3	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.4	-	-	-
Samegrelo-Zemo Svaneti	42.4	25.5	14 999.7	14 501.4
Samtskhe-Javakheti	2.9	-	-	-
Kvemo Kartli	0.9	-	-	-
Shida Kartli	29.6	15.9	6 772.1	3 793.2

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

"-" Data is not available due to small sample size of the survey.



**Table 1.11. Average number of trees per hectare in orchards, by region (ths. Unit)**  
**2021**

<b>Georgia</b>	<b>0.4</b>
Tbilisi	-
Adjara AR	0.5
Guria	0.6
Imereti	0.7
Kakheti	0.3
Mtskheta-Mtianeti	-
Racha-Lechkhumi and Kvemo Svaneti	-
Samegrelo-Zemo Svaneti	0.6
Samtskhe-Javakheti	-
Kvemo Kartli	-
Shida Kartli	0.2

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

"-" Data is not available due to small sample size of the survey.

**Table 1.12. Number of holdings reporting productive orchards and number of trees in producing age, by region**  
(ths. unit)  
**2021**

	Number of holdings reporting productive orchards	Number of trees in producing age	Number of trees in orchards in producing age
<b>Georgia</b>	<b>139.0</b>	<b>35 902.3</b>	<b>29 854.0</b>
Tbilisi	1.6	-	-
Adjara AR	13.6	3 716.8	1 858.3
Guria	20.3	4 658.8	4 205.7
Imereti	15.4	3 343.5	3 186.2
Kakheti	11.7	3 928.0	3 668.5
Mtskheta-Mtianeti	3.0	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.3	-	-
Samegrelo-Zemo Svaneti	41.8	13 977.2	13 491.2
Samtskhe-Javakheti	2.8	-	-
Kvemo Kartli	0.6	-	-
Shida Kartli	27.9	5 451.2	2 849.7

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

Orchards in producing age: An orchard that is fully or partially composed with trees in producing age, regardless of whether a crop was harvested during the reporting period or not.

"-" Data is not available due to small sample size of the survey.

**Table 1.13. Distribution of orchards operated by agricultural holdings by age of orchards and by region, %**  
**2021**

	0-5 year	6-10 year	11-20 year	21-35 year	36-50 year	51-80 year	more than 80 year
<b>Georgia</b>	<b>20.9</b>	<b>15.1</b>	<b>28.1</b>	<b>23.4</b>	<b>6.7</b>	<b>4.9</b>	<b>1.0</b>
Tbilisi	-	-	-	-	-	-	-
Adjara AR	9.1	13.2	31.1	21.8	9.0	10.0	5.8
Guria	9.0	13.1	34.1	24.4	9.8	9.1	0.5
Imereti	20.1	19.2	25.2	21.5	7.8	4.0	2.2
Kakheti	47.0	18.9	21.6	8.1	3.4	0.9	0.0
Mtskheta-Mtianeti	-	-	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	12.1	11.3	31.0	34.7	7.6	3.3	0.0
Samtskhe-Javakheti	-	-	-	-	-	-	-
Kvemo Kartli	-	-	-	-	-	-	-
Shida Kartli	28.9	18.0	27.9	19.1	3.0	2.9	0.1

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

"-" Data is not available due to small sample size of the survey.

**Table 1.14. Number of holdings reporting scattered trees and number of scattered trees by region (ths. unit)**  
**2021**

	Number of holdings reporting scattered trees	Number of scattered trees in total	Number of holdings reporting scattered trees in producing age	Number of scattered trees in producing age
<b>Georgia</b>	<b>510.2</b>	<b>7 656.7</b>	<b>506.7</b>	<b>7 069.1</b>
Tbilisi	21.1	-	21.0	-
Adjara AR	29.0	798.6	29.0	727.9
Guria	27.4	441.1	27.3	416.4
Imereti	119.3	2 437.2	119.0	2 282.9
Kakheti	83.4	692.6	82.3	621.2
Mtskheta-Mtianeti	22.9	-	22.6	-
Racha-Lechkhumi and Kvemo Svaneti	12.8	-	12.8	-
Samegrelo-Zemo Svaneti	78.1	1 460.9	77.6	1 349.0
Samtskhe-Javakheti	15.8	-	15.7	-
Kvemo Kartli	56.3	-	56.0	-
Shida Kartli	44.1	399.8	43.3	372.7

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

"-" Data is not available due to small sample size of the survey.

**Table 1.15. Number of holdings reporting vineyards, area of vineyards and number of trees and by region  
2021**

	Number of holdings reporting vineyards (ths. unit)	Area of vineyards (ths. ha)	Number of trees in permanent crops (ths. unit)	Number of trees in vineyards (ths. unit)
<b>Georgia</b>	<b>117.6</b>	<b>40.9</b>	<b>114 559.9</b>	<b>106 944.4</b>
Tbilisi	0.0	-	-	-
Adjara AR	3.2	-	-	-
Guria	3.0	-	-	-
Imereti	46.8	5.7	16 377.3	13 965.2
Kakheti	38.5	30.6	88 713.9	85 017.4
Mtskheta-Mtianeti	3.3	0.6	1671.7	1535.6
Racha-Lechkhumi and Kvemo Svaneti	5.2	0.8	2589.8	1885.8
Samegrelo-Zemo Svaneti	6.2	-	-	-
Samtskhe-Javakheti	0.8	-	-	-
Kvemo Kartli	1.9	-	-	-
Shida Kartli	8.5	1.5	2 484.2	2 122.3

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

"-" Data is not available due to small sample size of the survey.

**Table 1.16. Average number of trees per hectare in  
vineyards and by region (ths. unit)  
2021**

<b>Georgia</b>	<b>2.6</b>
Tbilisi	-
Adjara AR	-
Guria	-
Imereti	2.4
Kakheti	2.8
Mtskheta-Mtianeti	2.7
Racha-Lechkhumi and Kvemo Svaneti	2.5
Samegrelo-Zemo Svaneti	-
Samtskhe-Javakheti	-
Kvemo Kartli	-
Shida Kartli	1.4

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

"-" Data is not available due to small sample size of the survey.

**Table 1.17. Number of holdings reporting productive vineyards and number of trees in producing age, by region**  
(ths. unit)  
**2021**

	Number of holdings reporting productive vineyards	Number of trees in producing age	Number of trees in vineyards in producing age
<b>Georgia</b>	<b>115.4</b>	<b>106 415.2</b>	<b>99 027.0</b>
Tbilisi	0.0	-	-
Adjara AR	2.9	-	-
Guria	3.0	-	-
Imereti	46.0	15 905.2	13 617.2
Kakheti	38.2	81 826.2	78 152.6
Mtskheta-Mtianeti	3.3	1618.7	1482.8
Racha-Lechkhumi and Kvemo Svaneti	5.1	2445.9	1761.4
Samegrelo-Zemo Svaneti	6.1	-	-
Samtskhe-Javakheti	0.8	-	-
Kvemo Kartli	1.9	2106.1	1749.2
Shida Kartli	8.1	-	-

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

Vineyards in producing age: An vineyard that is fully or partially composed with trees in producing age, regardless of whether a crop was harvested during the reporting period or not.

"-" Data is not available due to small sample size of the survey.

**Table 1.18. Distribution of vineyards, operated by agricultural holdings by age of vineyards and by region, %**  
**2021**

	0-5 year	6-10 year	11-20 year	21-35 year	36-50 year	51-80 year	more than 80 year
<b>Georgia</b>	<b>13.0</b>	<b>8.0</b>	<b>11.6</b>	<b>29.6</b>	<b>19.8</b>	<b>15.4</b>	<b>2.6</b>
Tbilisi	-	-	-	-	-	-	-
Adjara AR	-	-	-	-	-	-	-
Guria	-	-	-	-	-	-	-
Imereti	7.2	3.6	7.5	36.2	22.1	18.7	4.7
Kakheti	18.3	11.2	11.0	25.7	21.1	12.3	0.5
Mtskheta-Mtianeti	7.1	17.7	8.6	31.8	15.5	12.4	6.9
Racha-Lechkhumi and Kvemo Svaneti	11.3	6.2	5.0	10.6	22.2	42.1	2.7
Samegrelo-Zemo Svaneti	-	-	-	-	-	-	-
Samtskhe-Javakheti	-	-	-	-	-	-	-
Kvemo Kartli	16.0	3.6	20.0	31.2	12.8	12.3	4.2
Shida Kartli	-	-	-	-	-	-	-

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

"-" Data is not available due to small sample size of the survey.

**Table 1.19. Number of holdings reporting scattered trees of vine and number of scattered trees by region (ths. unit)**  
**2021**

	Number of holdings reporting scattered trees	Number of scattered trees in total	Number of holdings reporting scattered trees in producing age	Number of scattered trees in producing age
<b>Georgia</b>	<b>250.7</b>	<b>2708.5</b>	<b>247.6</b>	<b>2 596.8</b>
Tbilisi	20.6	-	20.6	-
Adjara AR	18.7	-	18.5	-
Guria	17.5	-	17.4	-
Imereti	45.0	685.0	44.4	670.2
Kakheti	23.4	150.6	23.2	147.5
Mtskheta-Mtianeti	9.7	136.2	9.7	131.3
Racha-Lechkhumi and Kvemo Svaneti	4.1	37.0	4.1	35.6
Samegrelo-Zemo Svaneti	37.4	-	36.8	-
Samtskhe-Javakheti	10.6	-	10.6	-
Kvemo Kartli	15.5	-	15.2	-
Shida Kartli	48.0	758.2	47.4	717.6

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

"-" Data is not available due to small sample size of the survey.

**Table 1.20. Number of holdings reporting citrus plantations, area of citrus plantations and number of trees and by region**  
**2021**

	Number of holdings reporting citrus plantations (ths. unit)	Area of citrus plantations (ths. ha)	Number of trees in permanent crops (ths. unit)	Number of trees in citrus plantations (ths. unit)
<b>Georgia</b>	<b>32.7</b>	<b>9.3</b>	<b>4 441.9</b>	<b>2 044.9</b>
Tbilisi	0.0	-	-	-
Adjara AR	20.4	6.6	3 126.8	1 007.7
Guria	7.7	2.1	1 000.2	848.2
Imereti	0.3	-	-	-
Kakheti	0.0	-	-	-
Mtskheta-Mtianeti	0.0	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.0	-	-	-
Samegrelo-Zemo Svaneti	4.3	0.6	294.2	178.6
Samtskhe-Javakheti	0.0	-	-	-
Kvemo Kartli	0.0	-	-	-
Shida Kartli	0.0	-	-	-

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

"-" Data is not available due to small sample size of the survey.

**Table 1.21. Average number of trees per hectare in citrus plantations and by region (ths. unit) 2021**

<b>Georgia</b>	<b>0.2</b>
Tbilisi	-
Adjara AR	0.2
Guria	0.4
Imereti	-
Kakheti	-
Mtskheta-Mtianeti	-
Racha-Lechkhumi and Kvemo Svaneti	-
Samegrelo-Zemo Svaneti	0.3
Samtskhe-Javakheti	-
Kvemo Kartli	-
Shida Kartli	-

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

"-" Data is not available due to small sample size of the survey.

**Table 1.22. Number of holdings reporting productive citrus plantations, number of trees in producing age, and by region (ths. unit) 2021**

	Number of holdings reporting productive citrus plantations	Number of trees in producing age	Number of trees in citrus plantations in producing age
<b>Georgia</b>	<b>32.1</b>	<b>4 249.6</b>	<b>1 949.0</b>
Tbilisi	0.0	-	-
Adjara AR	20.1	2 985.5	951.3
Guria	7.7	976.8	825.5
Imereti	0.3	-	-
Kakheti	0.0	-	-
Mtskheta-Mtianeti	0.0	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.0	-	-
Samegrelo-Zemo Svaneti	4.1	281.1	169.0
Samtskhe-Javakheti	0.0	-	-
Kvemo Kartli	0.0	-	-
Shida Kartli	0.0	-	-

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

Citrus plantations in producing age: An citrus plantations that is fully or partially composed with trees in producing age, regardless of whether a crop was harvested during the reporting period or not.

"-" Data is not available due to small sample size of the survey.

**Table 1.23. Distribution of citrus plantations, operated by agricultural holdings by age of citrus plantations and by region, %**  
**2021**

	0-5 year	6-10 year	11-20 year	21-35 year	36-50 year	51-80 year	more than 80 year
<b>Georgia</b>	<b>2.5</b>	<b>2.8</b>	<b>17.9</b>	<b>26.9</b>	<b>18.6</b>	<b>28.6</b>	<b>2.6</b>
Tbilisi	-	-	-	-	-	-	-
Adjara AR	0.6	0.5	11.1	27.3	17.9	39.1	3.6
Guria	5.0	5.9	17.9	24.2	25.6	19.5	2.0
Imereti	-	-	-	-	-	-	-
Kakheti	-	-	-	-	-	-	-
Mtskheta-Mtianeti	-	-	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	4.8	5.4	44.7	31.0	11.2	2.9	0.0
Samtskhe-Javakheti	-	-	-	-	-	-	-
Kvemo Kartli	-	-	-	-	-	-	-
Shida Kartli	-	-	-	-	-	-	-

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

"-" Data is not available due to small sample size of the survey.

**Table 1.24. Number of holdings reporting scattered trees of citrus and number of scattered trees by region (ths. unit)**  
**2021**

	Number of holdings reporting scattered trees	Number of scattered trees trees in total	Number of holdings reporting scattered trees in producing age	Number of scattered trees trees in producing age
<b>Georgia</b>	<b>61.7</b>	<b>389.0</b>	<b>59.4</b>	<b>359.4</b>
Tbilisi	0.4	-	0.4	-
Adjara AR	2.7	26.8	2.5	23.4
Guria	4.4	51.6	4.2	49.4
Imereti	24.7	-	23.3	-
Kakheti	0.0	-	0.0	-
Mtskheta-Mtianeti	0.0	-	0.0	-
Racha-Lechkhumi and Kvemo Svaneti	0.0	-	0.0	-
Samegrelo-Zemo Svaneti	29.4	180.5	28.9	169.1
Samtskhe-Javakheti	0.0	-	0.0	-
Kvemo Kartli	0.0	-	0.0	-
Shida Kartli	0.0	-	0.0	-

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

"-" Data is not available due to small sample size of the survey.



**Table 1.25. Number of holdings reporting land under berries by region (ths. unit)**  
**2021**

	Number of holdings reporting land under berries	Number of holdings reporting land under productive berries
<b>Georgia</b>	<b>11.5</b>	<b>7.0</b>
Tbilisi	0.4	-
Adjara AR	0.8	-
Guria	0.2	1.0
Imereti	2.1	0.6
Kakheti	2.1	-
Mtskheta-Mtianeti	0.4	-
Racha-Lechkhumi and Kvemo Svaneti	0.0	-
Samegrelo-Zemo Svaneti	0.6	-
Samtskhe-Javakheti	0.2	-
Kvemo Kartli	0.1	-
Shida Kartli	4.4	3.8

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

"-" Data is not available due to small sample size of the survey.

**Table 1.26. Distribution of land under berries, operated by agricultural holdings by age of orchards and by region ,**  
**%**  
**2021**

	0-5 year	6-10 year	11-20 year	21-35 year	36-50 year	51-80 year	more than 80 year
<b>Georgia</b>	<b>52.1</b>	<b>17.7</b>	<b>14.5</b>	<b>9.0</b>	<b>5.4</b>	<b>1.3</b>	<b>0.0</b>
Tbilisi	-	-	-	-	-	-	-
Adjara AR	-	-	-	-	-	-	-
Guria	63.4	10.1	13.7	8.6	0.0	4.3	0.0
Imereti	63.7	17.1	9.0	0.2	10.1	0.0	0.0
Kakheti	-	-	-	-	-	-	-
Mtskheta-Mtianeti	-	-	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	-	-	-	-	-	-	-
Samtskhe-Javakheti	-	-	-	-	-	-	-
Kvemo Kartli	-	-	-	-	-	-	-
Shida Kartli	51.4	21.3	17.3	7.5	2.5	0.0	0.0

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

"-" Data is not available due to small sample size of the survey.

**Table 1.27. Distribution of holdings by prospects\* of the development by regions, %  
2021**

	Stable	Will be developed	Will not be developed	Will be stopped activities	Total
<b>Georgia</b>	<b>72</b>	<b>8</b>	<b>17</b>	<b>2</b>	<b>100</b>
Tbilisi	72	5	24	0	100
Adjara AR	55	12	31	1	100
Guria	85	4	11	0	100
Imereti	79	5	14	2	100
Kakheti	66	12	19	4	100
Mtskheta-Mtianeti	62	18	19	1	100
Racha-Lechkhumi and Kvemo Svaneti	78	8	13	2	100
Samegrelo-Zemo Svaneti	82	6	9	2	100
Samtskhe-Javakheti	72	6	19	3	100
Kvemo Kartli	61	12	20	7	100
Shida Kartli	74	7	19	0	100

\*Prospects of farm development in the next 2-3 years

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

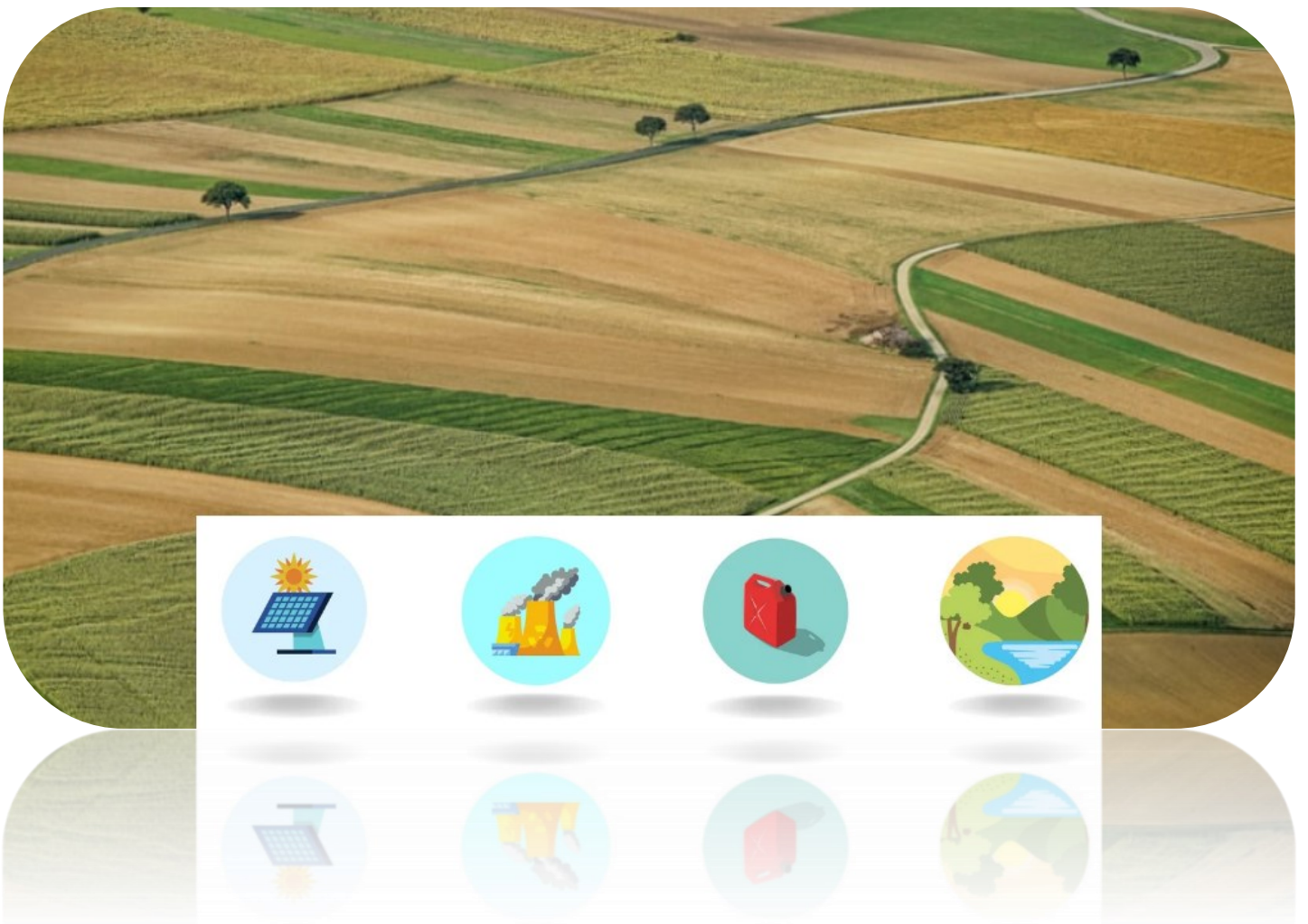
**Table 1.28. Main constraints on the holding's development by regions, %  
2021**

	Share of holdings reporting that holding will not be developed and/or stopped activities in the next 2-3 years	of which												
		Access to land	Access to water	Access to financial resources	Access to machinery and equipment	Access to labour	Access to other agricultural inputs	Insufficient demand for farm products	Low prices for farm products	Decreasing soil fertility	Natural disasters	Lack of safety	transportation or/and infrastructure	Other
<b>Georgia</b>	<b>20</b>	<b>19</b>	<b>29</b>	<b>68</b>	<b>13</b>	<b>21</b>	<b>7</b>	<b>6</b>	<b>18</b>	<b>17</b>	<b>6</b>	<b>1</b>	<b>4</b>	<b>5</b>
Tbilisi	24	-	-	-	-	-	-	-	-	-	-	-	-	-
Adjara AR	32	2	9	67	12	22	11	32	48	35	8	1	2	1
Guria	11	17	14	95	1	13	20	8	37	12	4	0	12	0
Imereti	16	20	25	68	20	38	10	1	13	12	1	0	3	7
Kakheti	23	29	23	72	4	15	3	1	11	6	9	1	2	5
Mtskheta-Mtianeti	19	13	52	78	7	3	12	0	4	20	7	1	0	6
Racha-Lechkhumi and Kvemo Svaneti	15	9	0	77	4	19	0	4	4	9	0	4	14	5
Samegrelo-Zemo Svaneti	12	5	9	64	13	29	9	3	36	36	14	6	2	8
Samtskhe-Javakheti	22	11	11	72	17	19	6	0	16	4	10	0	8	3
Kvemo Kartli	27	44	47	73	16	25	8	1	8	15	4	0	8	1
Shida Kartli	19	13	34	78	19	18	3	7	12	6	0	3	1	10

Note: More than one answer can be report

"-" Data is not available due to small sample size of the survey

## PART 2. Use of Natural Resources





**Table 2.1. Used of energy sources for agricultural activity by regions, %  
2021**

	Share of holdings used energy sources	of which							
		Network electricity	Petroleum fuels	Coal	Natural gas	Propane	Biomass	Biogas or methane	Other energy or fuel
<b>Georgia</b>	<b>54</b>	<b>34</b>	<b>77</b>	<b>0</b>	<b>10</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>0</b>
Tbilisi	10	42	58	0	0	0	0	0	0
Adjara AR	61	24	93	0	15	1	8	0	0
Guria	49	14	86	1	16	1	6	1	0
Imereti	55	32	84	0	10	4	3	0	0
Kakheti	53	15	92	0	2	0	3	0	0
Mtskheta-Mtianeti	57	60	48	0	31	0	0	0	0
Racha-Lechkhumi and Kvemo Svaneti	37	43	72	0	0	0	0	0	0
Samegrelo-Zemo Svaneti	55	51	67	0	17	5	1	0	0
Samtskhe-Javakheti	61	26	84	0	5	1	7	0	0
Kvemo Kartli	55	65	31	3	14	0	8	0	0
Shida Kartli	64	19	96	0	1	0	1	0	0

Note: More than one answer can be report

**Table 2.2. Activities used to increase soil fertility by regions  
2021**

	Number of holdings reporting agricultural land (ths. unit)	of which, %				
		Fallowing or shifting cultivation	Vegetative strips	Liming	Terraces	Rotational grazing
<b>Georgia</b>	<b>546.6</b>	<b>15</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>
Tbilisi	12.4	11	0	0	0	0
Adjara AR	42.7	3	1	1	2	0
Guria	32.0	10	0	1	0	0
Imereti	109.2	8	0	0	0	0
Kakheti	82.1	27	0	0	0	0
Mtskheta-Mtianeti	27.3	29	1	0	2	0
Racha-Lechkhumi and Kvemo Svaneti	12.2	8	0	0	0	0
Samegrelo-Zemo Svaneti	76.2	6	2	1	0	0
Samtskhe-Javakheti	33.3	10	0	0	0	0
Kvemo Kartli	59.9	37	7	1	0	1
Shida Kartli	59.4	14	0	0	4	0

Note: More than one answer can be report

**Table 2.3. Distribution of holdings conducted soil analysis, by regions, %**

	Soil analysis was conducted in 2021	Soil analysis was conducted in the past five years
<b>Georgia</b>	<b>0.7</b>	<b>1.8</b>
Tbilisi	0.0	3.6
Adjara AR	1.2	4.8
Guria	0.7	1.3
Imereti	0.1	0.1
Kakheti	0.4	0.9
Mtskheta-Mtianeti	0.0	0.3
Racha-Lechkhumi and Kvemo Svaneti	0.0	0.2
Samegrelo-Zemo Svaneti	2.7	4.2
Samtskhe-Javakheti	0.1	1.6
Kvemo Kartli	0.3	2.8
Shida Kartli	0.5	1.3

**Table 2.4. Soil changes in 2016-2021 years by regions**

	Number of holdings where the soil has been changed (ths. Unit)	of which, %				
		Change in soil colour	Change in the amount of fine and coarse particles	Change in how easy it is to plough or work the soil	Change in how easily crops emerge after planting	Change in the amount of stones present in the soil
<b>Georgia</b>	<b>93.8</b>	<b>19</b>	<b>11</b>	<b>44</b>	<b>27</b>	<b>24</b>
Tbilisi	5.4	20	2	58	5	19
Adjara AR	9.5	56	9	25	13	14
Guria	1.9	23	15	32	3	50
Imereti	16.8	7	9	28	53	13
Kakheti	23.7	13	13	54	18	31
Mtskheta-Mtianeti	7.2	29	1	79	65	14
Racha-Lechkhumi and Kvemo Svaneti	2.5	19	4	30	34	41
Samegrelo-Zemo Svaneti	9.1	21	41	39	25	10
Samtskhe-Javakheti	5.4	11	3	37	20	55
Kvemo Kartli	10.0	9	2	40	12	39
Shida Kartli	2.4	26	6	61	11	0

Note: More than one answer can be report

**Table 2.5. Methods of irrigation in the holdings by regions  
2021**

	Number of holdings reporting agricultural land (ths. unit)	Number of holdings reporting use of irrigation (ths. unit)	Method of irrigation, %					
			Surface irrigation	Sprinkler irrigation*	Drip irrigation	Spray or microsprinkler irrigation	Bubbler irrigation	Irrigation by hand
<b>Georgia</b>	<b>546.6</b>	<b>347.1</b>	<b>45</b>	<b>10</b>	<b>1</b>	<b>4</b>	<b>12</b>	<b>31</b>
Tbilisi	12.4	7.8	29	0	0	0	0	71
Adjara AR	42.7	40.0	16	20	0	2	51	14
Guria	32.0	23.5	12	21	0	0	29	38
Imereti	109.2	49.2	11	15	2	9	18	47
Kakheti	82.1	39.0	79	5	0	11	1	6
Mtskheta-Mtianeti	27.3	21.0	47	7	0	2	7	51
Racha-Lechkhumi and Kvemo Svaneti	12.2	6.6	3	0	0	2	0	95
Samegrelo-Zemo Svaneti	76.2	46.4	1	7	3	1	1	89
Samtskhe-Javakheti	33.3	25.8	63	22	0	1	9	9
Kvemo Kartli	59.9	38.9	94	4	0	3	0	1
Shida Kartli	59.4	48.9	94	1	0	5	0	3

Note: More than one answer can be report

\*Except of drip irrigation

**Table 2.6. Sources of irrigation water in holdings by regions  
2021**

	Number of holdings reporting use of irrigation (ths. unit)	Source of irrigation water, %					
		On-farm ground water	On-farm surface water	Off-farm ground water	Off-farm surface water	Municipal water supply or other water network	Collected rainwater
<b>Georgia</b>	<b>347.1</b>	<b>27</b>	<b>16</b>	<b>4</b>	<b>21</b>	<b>36</b>	<b>3</b>
Tbilisi	7.8	0	15	0	1	83	0
Adjara AR	40	22	24	8	17	32	2
Guria	23.5	67	13	5	5	11	8
Imereti	49.2	35	12	2	2	44	11
Kakheti	39	18	13	8	37	27	3
Mtskheta-Mtianeti	21	18	13	1	4	65	6
Racha-Lechkhumi and Kvemo Svaneti	6.6	7	8	2	13	70	0
Samegrelo-Zemo Svaneti	46.4	51	13	2	1	35	1
Samtskhe-Javakheti	25.8	1	17	2	42	43	2
Kvemo Kartli	38.9	9	32	1	40	22	1
Shida Kartli	48.9	27	11	8	42	34	0

Note: More than one answer can be report



**Table 2.7. Importance of the irrigation method by methods of irrigation and by region  
2021**

	Methods of irrigation	Number of holdings reporting use of irrigation (ths. unit)	Importance of the irrigation method, %		
			Used for a small part of the area irrigated (less than 25%)	Used for the most part of the area irrigated (from 25% to 75%)	Used for a main part of the area irrigated (more than 75%)
Georgia	Surface irrigation	93.8	6	6	88
	Sprinkler irrigation	56.2	5	5	90
	Drip irrigation	14.8	6	11	84
	Spray or microsprinkler irrigation	72.4	2	6	92
	Bubbler irrigation	124.9	5	3	92
	Irrigation by hand	12.1	28	11	61
Tbilisi	Surface irrigation	0.0	-	-	-
	Sprinkler irrigation	1.2	0	0	100
	Drip irrigation	0.0	-	-	-
	Spray or microsprinkler irrigation	0.1	-	-	-
	Bubbler irrigation	6.5	0	0	100
	Irrigation by hand	0.0	-	-	-
Adjara AR	Surface irrigation	8.8	3	3	94
	Sprinkler irrigation	9.5	0	4	96
	Drip irrigation	3.3	0	0	100
	Spray or microsprinkler irrigation	6.9	2	6	92
	Bubbler irrigation	12.8	8	4	88
	Irrigation by hand	1.0	40	45	15
Guria	Surface irrigation	15.6	2	1	97
	Sprinkler irrigation	3.0	1	0	99
	Drip irrigation	1.1	0	18	82
	Spray or microsprinkler irrigation	1.2	15	0	85
	Bubbler irrigation	2.7	10	1	89
	Irrigation by hand	1.8	54	0	46
Imereti	Surface irrigation	17.2	3	7	90
	Sprinkler irrigation	5.9	3	0	97
	Drip irrigation	0.8	-	-	-
	Spray or microsprinkler irrigation	0.8	-	-	-
	Bubbler irrigation	21.8	2	2	96
	Irrigation by hand	5.5	17	8	75
Kakheti	Surface irrigation	7.1	4	1	95
	Sprinkler irrigation	5.3	16	1	83
	Drip irrigation	3.2	17	0	83
	Spray or microsprinkler irrigation	14.5	1	8	90
	Bubbler irrigation	10.6	1	1	98
	Irrigation by hand	1.0	53	7	39

"-" Data is not available due to small sample size of the survey

**Table 2.7. Importance of the irrigation method by methods of irrigation and by region  
2021**

	Methods of irrigation	Number of holdings reporting use of irrigation (ths. unit)	Importance of the irrigation method, %		
			Used for a small part of the area irrigated (less than 25%)	Used for the most part of the area irrigated (from 25% to 75%)	Used for a main part of the area irrigated (more than 75%)
Mtskheta-Mtianeti	Surface irrigation	3.8	2	4	94
	Sprinkler irrigation	2.8	0	0	100
	Drip irrigation	0.3	-	-	-
	Spray or microsprinkler irrigation	0.9	-	-	-
	Bubbler irrigation	13.6	5	1	95
	Irrigation by hand	1.3	38	6	56
Racha-Lechkhumi and Kvemo Svaneti	Surface irrigation	0.4	-	-	-
	Sprinkler irrigation	0.5	-	-	-
	Drip irrigation	0.1	-	-	-
	Spray or microsprinkler irrigation	0.9	-	-	-
	Bubbler irrigation	4.6	0	0	100
	Irrigation by hand	0.0	-	-	-
Samegrelo-Zemo Svaneti	Surface irrigation	23.7	1	2	97
	Sprinkler irrigation	5.9	0	0	100
	Drip irrigation	1.0	0	0	100
	Spray or microsprinkler irrigation	0.5	-	-	-
	Bubbler irrigation	16.0	3	1	96
	Irrigation by hand	0.5	-	-	-
Samtskhe-Javakheti	Surface irrigation	0.2	-	-	-
	Sprinkler irrigation	4.3	0	8	91
	Drip irrigation	0.5	-	-	-
	Spray or microsprinkler irrigation	10.8	2	1	97
	Bubbler irrigation	11.1	3	8	89
	Irrigation by hand	0.6	-	-	-
Kvemo Kartli	Surface irrigation	3.6	47	0	53
	Sprinkler irrigation	12.5	0	2	98
	Drip irrigation	0.5	-	-	-
	Spray or microsprinkler irrigation	15.6	1	0	99
	Bubbler irrigation	8.6	1	3	95
	Irrigation by hand	0.5	-	-	-
Shida Kartli	Surface irrigation	13.3	17	28	56
	Sprinkler irrigation	5.4	27	33	40
	Drip irrigation	3.9	8	35	57
	Spray or microsprinkler irrigation	20.4	1	10	89
	Bubbler irrigation	16.7	19	4	77
	Irrigation by hand	0.0	-	-	-

"-" Data is not available due to small sample size of the survey

**Table 2.8. Distribution of the importance of the methods of irrigation by methods of irrigation and region  
2021**

	Methods of irrigation	Number of holdings reporting use of irrigation (ths. unit)	Importance of the irrigation method, %		
			Used for a small part of the area irrigated (less than 25%)	Used for the most part of the area irrigated (from 25% to 75%)	Used for a main part of the area irrigated (more than 75%)
Georgia	Surface irrigation	157.5	2	2	96
	Sprinkler irrigation	34.6	3	6	91
	Drip irrigation	2.3	6	15	79
	Spray or microsprinkler irrigation	14.6	5	10	85
	Bubbler irrigation	40.7	1	1	98
	Irrigation by hand	107.5	2	0	98
Tbilisi	Surface irrigation	2.3	0	0	100
	Sprinkler irrigation	0.0	-	-	-
	Drip irrigation	0.0	-	-	-
	Spray or microsprinkler irrigation	0.0	-	-	-
	Bubbler irrigation	0.0	-	-	-
	Irrigation by hand	5.5	0	0	100
Adjara AR	Surface irrigation	6.4	9	1	90
	Sprinkler irrigation	7.9	4	9	87
	Drip irrigation	0.2	-	-	-
	Spray or microsprinkler irrigation	0.7	-	-	-
	Bubbler irrigation	20.5	1	1	98
	Irrigation by hand	5.5	0	0	100
Guria	Surface irrigation	2.7	0	0	100
	Sprinkler irrigation	4.9	0	0	100
	Drip irrigation	0.0	-	-	-
	Spray or microsprinkler irrigation	0.0	-	-	-
	Bubbler irrigation	6.8	0	0	100
	Irrigation by hand	9.0	0	0	100
Imereti	Surface irrigation	5.6	3	0	97
	Sprinkler irrigation	7.5	0	8	92
	Drip irrigation	0.9	-	-	-
	Spray or microsprinkler irrigation	4.7	4	0	96
	Bubbler irrigation	8.7	2	2	96
	Irrigation by hand	22.9	0	0	100
Kakheti	Surface irrigation	30.9	2	0	98
	Sprinkler irrigation	1.9	1	4	96
	Drip irrigation	0.0	-	-	-
	Spray or microsprinkler irrigation	4.3	0	5	95
	Bubbler irrigation	0.5	-	-	-
	Irrigation by hand	2.5	11	0	89

"-" Data is not available due to small sample size of the survey

**Table 2.8. Distribution of the importance of the methods of irrigation by methods of irrigation and region  
2021**

	Methods of irrigation	Number of holdings reporting use of irrigation (ths. unit)	Importance of the irrigation method, %		
			Used for a small part of the area irrigated (less than 25%)	Used for the most part of the area irrigated (from 25% to 75%)	Used for a main part of the area irrigated (more than 75%)
Mtskheta-Mtianeti	Surface irrigation	9.9	11	16	73
	Sprinkler irrigation	1.5	6	17	77
	Drip irrigation	0.0	-	-	-
	Spray or microsprinkler irrigation	0.4	-	-	-
	Bubbler irrigation	1.4	0	0	100
	Irrigation by hand	10.7	10	0	90
Racha-Lechkhumi and Kvemo Svaneti	Surface irrigation	0.2	-	-	-
	Sprinkler irrigation	0.0	-	-	-
	Drip irrigation	0.0	-	-	-
	Spray or microsprinkler irrigation	0.1	-	-	-
	Bubbler irrigation	0.0	-	-	-
	Irrigation by hand	6.2	0	0	100
Samegrelo-Zemo Svaneti	Surface irrigation	0.6	-	-	-
	Sprinkler irrigation	3.4	4	0	96
	Drip irrigation	1.2	12	12	76
	Spray or microsprinkler irrigation	0.3	-	-	-
	Bubbler irrigation	0.5	-	-	-
	Irrigation by hand	41.2	1	1	98
Samtskhe-Javakheti	Surface irrigation	16.2	0	2	98
	Sprinkler irrigation	5.7	5	6	90
	Drip irrigation	0.0	-	-	-
	Spray or microsprinkler irrigation	0.3	-	-	-
	Bubbler irrigation	2.3	0	11	89
	Irrigation by hand	2.3	1	0	99
Kvemo Kartli	Surface irrigation	36.7	1	1	98
	Sprinkler irrigation	1.4	0	1	99
	Drip irrigation	0.0	-	-	-
	Spray or microsprinkler irrigation	1.3	25	23	52
	Bubbler irrigation	0.0	-	-	-
	Irrigation by hand	0.4	-	-	-
Shida Kartli	Surface irrigation	46.0	1	1	98
	Sprinkler irrigation	0.4	-	-	-
	Drip irrigation	0.0	-	-	-
	Spray or microsprinkler irrigation	2.6	9	26	65
	Bubbler irrigation	0.0	-	-	-
	Irrigation by hand	1.3	12	0	88

"-" Data is not available due to small sample size of the survey

**Table 2.9. Number of holdings and irrigated land area by type of land and by region  
2021**

	Irrigated land	Number of holdings reporting irrigation (ths. unit)	Total area (ths. ha)	Average area (ha)
Georgia	Temporary crops	270.3	42.8	0.2
	Temporary crops, single irrigation	59.0	9.8	0.2
	Temporary crops, multiple irrigations	217.1	27.8	0.1
	Temporary meadows and pastures	4.1	5.2	1.3
	Permanent crops	87.9	41.8	0.5
	Permanent meadows and pastures	0.7	-	-
	Total	331.0	85.4	0.3
Tbilisi	Temporary crops	7.8	0.1	0.0
	Temporary crops, single irrigation	1.8	0.0	0.0
	Temporary crops, multiple irrigations	6.0	0.1	0.0
	Temporary meadows and pastures	0.0	-	-
	Permanent crops	0.3	-	-
	Total	7.8	0.1	0.0
Adjara AR	Temporary crops	14.0	1.0	0.1
	Temporary crops, single irrigation	1.0	0.1	0.1
	Temporary crops, multiple irrigations	13.1	0.9	0.1
	Temporary meadows and pastures	0.0	-	-
	Permanent crops	25.9	6.3	0.2
	Total	39.3	7.4	0.2
Guria	Temporary crops	21.7	0.3	0.0
	Temporary crops, single irrigation	3.4	0.1	0.0
	Temporary crops, multiple irrigations	18.3	0.3	0.0
	Temporary meadows and pastures	0.0	-	-
	Permanent crops	0.5	-	-
	Total	22.2	0.8	0.0
Imereti	Temporary crops	43.9	1.4	0.0
	Temporary crops, single irrigation	7.7	0.1	0.0
	Temporary crops, multiple irrigations	36.4	1.3	0.0
	Temporary meadows and pastures	0.0	-	-
	Permanent crops	1.5	0.4	0.3
	Total	45.3	1.9	0.0
Kakheti	Temporary crops	23.6	5.5	0.2
	Temporary crops, single irrigation	7.6	2.0	0.3
	Temporary crops, multiple irrigations	16.8	3.5	0.2
	Temporary meadows and pastures	0.1	-	-
	Permanent crops	17.7	16.9	1.0
	Total	36.7	22.5	0.6

Note: More than one answer can be report

"-" Data is not available due to small sample size of the survey

**Table 2.9. Number of holdings and irrigated land area by type of land and by region  
2021**

	Irrigated land	Number of holdings reporting irrigation (ths. unit)	Total area (ths. ha)	Average area (ha)
Mtskheta-Mtianeti	Temporary crops	18.7	0.8	0.0
	Temporary crops, single irrigation	3.2	0.1	0.0
	Temporary crops, multiple irrigations	17.0	0.6	0.0
	Temporary meadows and pastures	0.1	-	-
	Permanent crops	3.8	0.6	0.2
	Total	20.8	1.5	0.1
Racha-Lechkhumi and Kvemo Svaneti	Temporary crops	5.8	0.1	0.0
	Temporary crops, single irrigation	0.1	-	-
	Temporary crops, multiple irrigations	5.7	0.1	0.0
	Temporary meadows and pastures	0.0	-	-
	Permanent crops	0.4	-	-
	Total	6.1	0.2	0.0
Samegrelo-Zemo Svaneti	Temporary crops	44.2	1.1	0.0
	Temporary crops, single irrigation	8.4	0.2	0.0
	Temporary crops, multiple irrigations	35.8	0.9	0.0
	Temporary meadows and pastures	0.0	-	-
	Permanent crops	1.8	0.8	0.5
	Total	45.6	2.1	0.1
Samtskhe-Javakheti	Temporary crops	25.4	6.4	0.3
	Temporary crops, single irrigation	11.6	4.3	0.4
	Temporary crops, multiple irrigations	15.4	2.0	0.1
	Temporary meadows and pastures	0.3	-	-
	Permanent crops	1.7	0.3	0.2
	Total	25.4	6.7	0.3
Kvemo Kartli	Temporary crops	35.0	15.7	0.5
	Temporary crops, single irrigation	5.2	0.8	0.2
	Temporary crops, multiple irrigations	30.5	10.4	0.3
	Temporary meadows and pastures	2.9	4.5	1.6
	Permanent crops	2.3	0.9	0.4
	Total	36.2	17.1	0.5
Shida Kartli	Temporary crops	30.2	10.4	0.3
	Temporary crops, single irrigation	9.0	2.1	0.2
	Temporary crops, multiple irrigations	22.0	7.8	0.4
	Temporary meadows and pastures	0.7	-	-
	Permanent crops	32.0	14.8	0.5
	Total	45.6	25.3	0.6

Note: More than one answer can be reported

"-" Data is not available due to small sample size of the survey

**Table 2.10. Distribution of holdings by payment terms for irrigation and by regions  
2021**

	Number of holdings reporting used off-farm water source (ths. unit)	of which, %			
		No payment	Fixed fee	Fee based on irrigated land area	Fee based on volume of water
<b>Georgia</b>	<b>213.5</b>	<b>62</b>	<b>8</b>	<b>13</b>	<b>17</b>
Tbilisi	6.6	71	27	0	2
Adjara AR	22.5	96	1	0	2
Guria	9.7	78	3	0	19
Imereti	23.5	54	25	0	22
Kakheti	27.6	48	14	27	10
Mtskheta-Mtianeti	14.8	60	0	6	34
Racha-Lechkhumi and Kvemo Svaneti	5.7	77	0	0	22
Samegrelo-Zemo Svaneti	18.7	43	6	0	51
Samtskhe-Javakheti	21.6	77	1	14	8
Kvemo Kartli	24.8	61	1	24	14
Shida Kartli	38.1	49	10	29	13

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 2.11. Agricultural land area equipped with irrigation equipment operated by holdings and by region  
2021**

	Number of holdings reporting irrigation equipment (ths. unit)	Area with irrigation equipment (ths. ha)	Average area (ha)
<b>Georgia</b>	<b>360.6</b>	<b>140.3</b>	<b>0.39</b>
Tbilisi	8.8	0.1	0.02
Adjara AR	41.2	9.1	0.22
Guria	28.6	1.4	0.05
Imereti	52.3	3.3	0.06
Kakheti	48.1	48.3	1.01
Mtskheta-Mtianeti	20.3	2.8	0.14
Racha-Lechkhumi and Kvemo Svaneti	1.7	0.2	0.10
Samegrelo-Zemo Svaneti	33.8	3.5	0.10
Samtskhe-Javakheti	27.5	10.0	0.36
Kvemo Kartli	44.7	23.8	0.53
Shida Kartli	53.6	37.8	0.70

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 2.12. Agricultural land area equipped with drainage operated by holdings by type of drainage and region 2021**

	Number of holdings reporting drainage (ths. unit)	Area with drainage (ths. ha)	Average area (ha)	Surface drainage			Subsurface drainage		
				Number holdings reporting (ths. unit)	Total area (ths. ha)	Average area (ha)	Number holdings reporting (ths. unit)	Total area (ths. ha)	Average area (ha)
<b>Georgia</b>	<b>25.2</b>	<b>11.6</b>	<b>0.46</b>	<b>23.3</b>	<b>10.9</b>	<b>0.47</b>	<b>2.0</b>	<b>0.7</b>	<b>0.34</b>
Tbilisi	-	-	-	-	-	-	-	-	-
Adjara AR	-	-	-	-	-	-	-	-	-
Guria	-	-	-	-	-	-	-	-	-
Imereti	3.9	1.1	0.28	3.9	1.0	0.26	0.0	-	-
Kakheti	1.2	1.2	0.93	0.9	1.1	1.21	0.3	0.1	0.16
Mtskheta-Mtianeti	-	-	-	-	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	-	-	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	13.4	6.9	0.51	12.5	6.4	0.51	1.0	0.5	0.47
Samtskhe-Javakheti	-	-	-	-	-	-	-	-	-
Kvemo Kartli	1.5	0.6	0.40	1.1	0.6	0.52	0.4	0.0	0.07
Shida Kartli	4.2	1.7	0.41	4.1	1.7	0.4	0.0	-	-

"-" Data is not available due to small sample size of the survey





## PART 3. Crop Production Methods





**Table 3.1. Distribution of holdings by use of fertilizers and reasons of not using fertilizers and by regions**  
**2021**

	Number of holdings reporting agricultural land (ths. unit)	of which, %					
		Share of holdings reporting use of fertilizers	Share of holdings reporting not use of fertilizers	of which (distribution of holdings reporting did not use fertilizers), %			
				Fertilizers were too expensive	Fertilizers were not available	Not needed	Other
<b>Georgia</b>	<b>546.6</b>	<b>45</b>	<b>55</b>	<b>24</b>	<b>4</b>	<b>71</b>	<b>2</b>
Tbilisi	12.4	11	89	17	8	70	4
Adjara AR	42.7	65	35	79	3	19	0
Guria	32	52	48	22	0	74	4
Imereti	109.2	65	35	7	3	90	1
Kakheti	82.1	27	73	27	2	71	0
Mtskheta-Mtianeti	27.3	17	83	25	7	68	0
Racha-Lechkhumi and Kvemo Svaneti	12.2	42	58	9	9	74	8
Samegrelo-Zemo Svaneti	76.2	57	43	19	1	77	3
Samtskhe-Javakheti	33.3	39	61	30	7	58	5
Kvemo Kartli	59.9	35	65	18	7	74	0
Shida Kartli	59.4	30	70	34	2	64	1

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 3.2. Number of holdings reporting use of mineral fertilizers by land use type and by regions,**  
(ths. unit)  
**2021**

	Number of holdings reporting mineral fertilizer at least once	Number of holdings reporting by land use type		
		Temporary crops	Temporary meadows and pastures	Permanent crops
<b>Georgia</b>	<b>195.5</b>	<b>162.6</b>	<b>8.4</b>	<b>44.5</b>
Tbilisi	0.9	-	-	-
Adjara AR	22.7	11.8	0.1	13.2
Guria	11.0	10.2	0	1.4
Imereti	65.0	61.6	2.9	3.7
Kakheti	18.4	10	1.8	8.5
Mtskheta-Mtianeti	0.6	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	2.5	2.2	0.1	0.4
Samegrelo-Zemo Svaneti	37.6	34	2.2	6.9
Samtskhe-Javakheti	10.9	10.5	0.7	0.1
Kvemo Kartli	10.7	10.2	0.5	0
Shida Kartli	15.3	11.1	0.2	10.2

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 3.3. Area treated by mineral fertilizers by land use type and by regions, (ths. ha)**  
**2021**

	Total area applied with fertilizer	of which		
		Temporary crops	Temporary meadows and pastures	Permanent crops
<b>Georgia</b>	<b>156.4</b>	<b>113.4</b>	<b>4.5</b>	<b>38.5</b>
Tbilisi	0.0	-	-	-
Adjara AR	6.6	2.1	0.0	4.5
Guria	3.8	2.9	0.0	0.9
Imereti	20.7	18.5	0.6	1.6
Kakheti	58.6	42.2	2.0	14.4
Mtskheta-Mtianeti	0.6	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.6	-	-	-
Samegrelo-Zemo Svaneti	26.9	17.7	0.7	8.4
Samtskhe-Javakheti	9.0	8.8	0.2	0.0
Kvemo Kartli	11.0	9.9	0.8	0.3
Shida Kartli	18.7	10.7	0.1	7.9

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 3.4. Use of mineral fertilizers by land use type and by regions, (ths. tonnes)**  
**2021**

	Total fertilizer applied	of which				
		Temporary crops	Temporary meadows and pastures	Permanent crops	Greenhouse	Scattered trees
<b>Georgia</b>	<b>56.3</b>	<b>40.6</b>	<b>1.3</b>	<b>12.6</b>	<b>0.7</b>	<b>1.1</b>
Tbilisi	0.0	-	-	-	-	-
Adjara AR	2.8	0.8	0.0	1.5	0.0	0.5
Guria	1.5	1.2	0.0	0.2	0.0	0.0
Imereti	8.2	7.3	0.2	0.4	0.3	0.0
Kakheti	18.1	11.8	0.5	5.7	0.1	0.0
Mtskheta-Mtianeti	0.2	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.2	-	-	-	-	-
Samegrelo-Zemo Svaneti	7.5	5.8	0.2	1.5	0.0	0.1
Samtskhe-Javakheti	6.3	6.2	0.1	0.0	0.0	0.0
Kvemo Kartli	4.1	3.3	0.3	0.2	0.3	0.1
Shida Kartli	7.5	4.0	0.0	3.1	0.0	0.4

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 3.5. Number of holdings reporting use of manure by land use type and by regions, (ths. unit)**  
**2021**

	Number of holdings reporting manure at least once	Number of holdings reporting by land use type		
		Temporary crops	Temporary meadows and pastures	Permanent crops
<b>Georgia</b>	<b>113.1</b>	<b>90.5</b>	<b>2.6</b>	<b>43.9</b>
Tbilisi	1.0	-	-	-
Adjara AR	14.4	7.5	0	8.5
Guria	11.5	10.9	0	2.6
Imereti	24.9	18.4	0	11.7
Kakheti	6.3	5.1	0.2	2
Mtskheta-Mtianeti	4.5	3.9	0.5	1.2
Racha-Lechkhumi and Kvemo Svaneti	3.8	3.5	0.2	1.5
Samegrelo-Zemo Svaneti	22.3	18.1	0.5	11.8
Samtskhe-Javakheti	4.0	3.8	0.3	0.1
Kvemo Kartli	14.8	14.7	0.4	0.3
Shida Kartli	5.7	3.7	0.2	3.5

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 3.6. Area treated by manure by land use type and by regions, (ths. ha)**  
**2021**

	Total area applied with manure	of which		
		Temporary crops	Temporary meadows and pastures	Permanent crops
<b>Georgia</b>	<b>27.6</b>	<b>15.0</b>	<b>0.1</b>	<b>12.5</b>
Tbilisi	0.1	-	-	-
Adjara AR	3.9	1.2	0.0	2.7
Guria	1.3	0.8	0.0	0.5
Imereti	3.7	2.2	0.1	1.5
Kakheti	2.9	0.9	0.3	1.7
Mtskheta-Mtianeti	0.8	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.4	-	-	-
Samegrelo-Zemo Svaneti	6.4	2.1	0.1	4.1
Samtskhe-Javakheti	1.9	1.7	0.2	0.0
Kvemo Kartli	3.6	3.5	0.0	0.0
Shida Kartli	2.7	1.0	0.0	1.6

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 3.7. Use of manure by land use type and by regions, (ths. tonnes)**  
**2021**

	Total manure applied	of which				
		Temporary crops	Temporary meadows and pastures	Permanent crops	Greenhouse	Scattered trees
<b>Georgia</b>	<b>202.2</b>	<b>124.2</b>	<b>0.5</b>	<b>47.5</b>	<b>24.3</b>	<b>5.7</b>
Tbilisi	0.9	0.0	0.0	0.0	0.0	0.9
Adjara AR	20.2	12.4	0.0	7.5	0.0	0.2
Guria	6.5	4.6	0.0	1.6	0.0	0.2
Imereti	39.7	10.3	0.6	10.4	17.3	1.2
Kakheti	26.1	6.7	0.0	8.5	10.8	0.1
Mtskheta-Mtianeti	4.2	2.2	0.3	1.1	0.1	0.4
Racha-Lechkhumi and Kvemo Svaneti	1.9	1.3	0.0	0.5	0.0	0.1
Samegrelo-Zemo Svaneti	33.1	17.2	0.2	14.1	0.1	1.7
Samtskhe-Javakheti	29.3	27.8	1.2	0.0	0.0	0.3
Kvemo Kartli	28.5	27.9	0.0	0.0	0.0	0.5
Shida Kartli	11.8	6.4	0.0	4.5	0.0	1.0

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

## PART 4. Livestock Production Methods







**Table 4.1. Distribution of holdings by main reproduction techniques used for cattle and by regions  
2021**

	Number of holdings reporting cattle (ths. unit)	Main reproduction technique, %			The holding did not breed cattle, %
		Natural mating with a sire selected within the herd operated by holding	Natural mating with a sire selected within the herd operated by other holding	Artificial insemination	
<b>Georgia</b>	<b>207.0</b>	<b>23</b>	<b>61</b>	<b>1</b>	<b>15</b>
Tbilisi	0.4	-	-	-	-
Adjara AR	17.0	5	55	8	31
Guria	13.6	11	62	1	27
Imereti	52.1	6	82	1	11
Kakheti	13.9	39	40	0	21
Mtskheta-Mtianeti	7.5	36	45	0	19
Racha-Lechkhumi and Kvemo Svaneti	4.5	17	70	0	12
Samegrelo-Zemo Svaneti	39.5	16	73	0	11
Samtskhe-Javakheti	16.6	27	70	0	4
Kvemo Kartli	24.6	54	32	0	14
Shida Kartli	17.3	56	29	0	15

"-" Data is not available due to small sample size of the survey

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 4.2. Distribution of holdings by main reproduction techniques used for pig and by regions  
2021**

	Number of holdings reporting pig (ths. unit)	Main reproduction technique, %			The holding did not breed cattle, %
		Natural mating with a sire selected within the herd operated by holding	Natural mating with a sire selected within the herd operated by other holding	Artificial insemination	
<b>Georgia</b>	<b>81.6</b>	<b>13</b>	<b>23</b>	<b>1</b>	<b>63</b>
Tbilisi	0.2	-	-	-	-
Adjara AR	0.8	-	-	-	-
Guria	3.2	0	61	0	39
Imereti	26.0	8	22	1	69
Kakheti	10.6	22	7	3	68
Mtskheta-Mtianeti	2.3	8	18	0	74
Racha-Lechkhumi and Kvemo Svaneti	1.8	8	13	0	79
Samegrelo-Zemo Svaneti	14.6	18	53	0	28
Samtskhe-Javakheti	11.2	7	9	0	84
Kvemo Kartli	3.0	38	8	0	53
Shida Kartli	7.9	16	8	1	76

"-" Data is not available due to small sample size of the survey

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 4.3. Distribution of holdings by main reproduction techniques used for the livestock and by livestock types, %  
2021**

	Main reproduction technique			The holding did not breed cattle
	Natural mating with a sire selected within the herd operated by holding	Natural mating with a sire selected within the herd operated by other holding	Artificial insemination	
Buffalo	17	65	0	18
Sheep	76	3	0	21
Goat	39	6	0	54
Horse	5	5	0	91
Mule	1	0	0	98

**Table 4.4. Distribution of holdings by main provider of breeding services and by regions  
2021**

	Number of holdings reporting breeding services (ths. unit)	Of which, %		
		Private veterinarian	Self-provision	Other
<b>Georgia</b>	<b>186.6</b>	<b>6</b>	<b>94</b>	<b>0</b>
Tbilisi	0.3	-	-	-
Adjara AR	11.8	13	84	3
Guria	10.8	2	96	1
Imereti	48.7	6	94	0
Kakheti	13.7	6	94	1
Mtskheta-Mtianeti	6.4	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	4.0	-	-	-
Samegrelo-Zemo Svaneti	36.1	2	98	0
Samtskhe-Javakheti	16.5	1	99	0
Kvemo Kartli	23.0	9	91	0
Shida Kartli	15.4	12	87	1

"-" Data is not available due to small sample size of the survey

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 4.5. Veterinary services provided for cattle by regions  
2021**

	Number of holdings reporting the receive of veterinary services for cattle (ths. unit)	Of which, %						
		Reproduction	Curative treatment, surgical procedures	Other curative treatment	Preventative medicine, vaccinations	Preventative medicine, deworming	Preventative medicine, medicine against parasites	Other preventative medicine
<b>Georgia</b>	<b>125.4</b>	<b>10</b>	<b>2</b>	<b>3</b>	<b>78</b>	<b>38</b>	<b>34</b>	<b>1</b>
Tbilisi	0.4	-	-	-	-	-	-	-
Adjara AR	9.4	18	0	7	71	20	19	1
Guria	9.2	6	1	0	57	36	34	0
Imereti	24.6	13	3	4	56	46	39	2
Kakheti	11.1	4	0	1	90	32	26	0
Mtskheta-Mtianeti	4.4	6	0	7	89	19	8	0
Racha-Lechkhumi and Kvemo Svaneti	2.1	6	4	29	79	3	1	0
Samegrelo-Zemo Svaneti	23.0	4	1	2	84	60	41	1
Samtskhe-Javakheti	13.9	3	0	1	88	25	36	0
Kvemo Kartli	16.4	10	2	0	87	30	39	0
Shida Kartli	10.8	24	5	2	98	36	34	0

"-" Data is not available due to small sample size of the survey

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

Note: More than one answer can be report

**Table 4.6. Veterinary services provided for pig by regions  
2021**

	Number of holdings reporting the receive of veterinary services for pig (ths. unit)	Of which, %						
		Reproduction	Curative treatment, surgical procedures	Other curative treatment	Preventative medicine, vaccinations	Preventative medicine, deworming	Preventative medicine, medicine against parasites	Other preventative medicine
<b>Georgia</b>	<b>23.0</b>	<b>6</b>	<b>18</b>	<b>1</b>	<b>61</b>	<b>46</b>	<b>25</b>	<b>1</b>
Tbilisi	0.1	-	-	-	-	-	-	-
Adjara AR	0.2	-	-	-	-	-	-	-
Guria	1.1	0	0	11	45	48	11	0
Imereti	6.3	15	18	0	59	21	15	5
Kakheti	3.6	9	13	0	53	68	35	0
Mtskheta-Mtianeti	1.0	0	0	0	46	55	0	0
Racha-Lechkhumi and Kvemo Svaneti	0.4	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	2.3	2	0	1	62	44	12	0
Samtskhe-Javakheti	3.1	3	1	0	63	45	20	0
Kvemo Kartli	0.8	-	-	-	-	-	-	-
Shida Kartli	4.1	1	54	0	85	68	51	0

"-" Data is not available due to small sample size of the survey

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

Note: More than one answer can be report

**Table 4.7. Veterinary services provided for chicken by regions  
2021**

	Number of holdings reporting the receive of veterinary services for chicken (ths. unit)	Of which, %						
		Reproduction	Curative treatment, surgical procedures	Other curative treatment	Preventative medicine, vaccinations	Preventative medicine, deworming	Preventative medicine, medicine against parasites	Other preventative medicine
<b>Georgia</b>	<b>43.6</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>77</b>	<b>18</b>	<b>15</b>	<b>1</b>
Tbilisi	0.5	-	-	-	-	-	-	-
Adjara AR	0.5	-	-	-	-	-	-	-
Guria	2.6	0	0	0	99	1	0	0
Imereti	11.2	0	0	0	62	27	35	0
Kakheti	8.6	0	1	4	78	24	4	4
Mtskheta-Mtianeti	0.4	-	-	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.1	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	12.3	1	0	0	79	12	16	0
Samtskhe-Javakheti	0.7	-	-	-	-	-	-	-
Kvemo Kartli	1.7	0	0	0	100	6	6	0
Shida Kartli	5.1	0	0	0	93	7	0	0

"-" Data is not available due to small sample size of the survey

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

Note: More than one answer can be report

**Table 4.8. Veterinary services provided for beehives by regions  
2021**

	Number of holdings reporting the use of veterinary services for beehives (ths. unit)	Of which, %	
		Curative treatment	Preventative medicine
<b>Georgia</b>	<b>2.7</b>	<b>49</b>	<b>57</b>
Tbilisi	0.0	100	0
Adjara AR	0.4	67	67
Guria	0.1	66	34
Imereti	0.6	80	20
Kakheti	0.3	58	42
Mtskheta-Mtianeti	0.4	5	95
Racha-Lechkhumi and Kvemo Svaneti	0.2	13	87
Samegrelo-Zemo Svaneti	0.6	15	85
Samtskhe-Javakheti	0.0	100	0
Kvemo Kartli	0.0	48	52
Shida Kartli	0.3	81	29

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

Note: More than one answer can be report.

**Table 4.9. Veterinary services provided for livestock and poultry, %  
2021**

	Reproduction	Curative treatment, surgical procedures	Other curative treatment	Preventative medicine, vaccinations	Preventative medicine, deworming	Preventative medicine, medicine against parasites	Other preventative medicine
Buffalo	9	0	2	98	62	51	0
Sheep	15	0	0	70	34	45	3
Goat	68	0	0	41	37	61	0
Horse	0	5	0	66	39	17	0
Other poultry	0	0	0	81	20	10	0

"-" Data is not available due to small sample size of the survey

Note: More than one answer can be reported

**Table 4.10. Use of hormones and antibiotics for cattle by region  
2021**

	Number of holdings reporting the cattle (ths. unit)	Share of holdings using hormones, %	Share of holdings using antibiotics, %
<b>Georgia</b>	<b>207.0</b>	<b>1</b>	<b>12</b>
Tbilisi	0.4	-	-
Adjara AR	17.0	2	23
Guria	13.6	0	11
Imereti	52.1	0	9
Kakheti	13.9	1	15
Mtskheta-Mtianeti	7.5	1	6
Racha-Lechkhumi and Kvemo Svaneti	4.5	6	23
Samegrelo-Zemo Svaneti	39.5	1	5
Samtskhe-Javakheti	16.6	0	9
Kvemo Kartli	24.6	2	19
Shida Kartli	17.3	0	13

"-" Data is not available due to small sample size of the survey

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 4.11. Use of hormones and antibiotics for pig by region  
2021**

	Number of holdings reporting the pig (ths. unit)	Share of holdings using hormons, %	Share of holdings using antibiotics, %
<b>Georgia</b>	<b>81.6</b>	<b>0</b>	<b>4</b>
Tbilisi	0.2	-	-
Adjara AR	0.8	-	-
Guria	3.2	0	5
Imereti	26.0	0	3
Kakheti	10.6	0	10
Mtskheta-Mtianeti	2.3	3	3
Racha-Lechkhumi and Kvemo Svaneti	1.8	5	7
Samegrelo-Zemo Svaneti	14.6	0	0
Samtskhe-Javakheti	11.2	0	4
Kvemo Kartli	3.0	0	4
Shida Kartli	7.9	2	5

"-" Data is not available due to small sample size of the survey

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 4.12. Use of hormones and antibiotics for chicken by region  
2021**

	Number of holdings reporting the chicken (ths. unit)	Share of holdings using hormons, %	Share of holdings using antibiotics, %
<b>Georgia</b>	<b>319.6</b>	<b>0</b>	<b>3</b>
Tbilisi	1.9	0	6
Adjara AR	10.1	1	4
Guria	18.6	0	1
Imereti	69.8	0	2
Kakheti	53.6	1	5
Mtskheta-Mtianeti	12.3	0	1
Racha-Lechkhumi and Kvemo Svaneti	6.4	0	3
Samegrelo-Zemo Svaneti	53.0	0	2
Samtskhe-Javakheti	16.8	0	0
Kvemo Kartli	41.4	0	4
Shida Kartli	35.7	2	2

**Table 4.13. Use of hormones and antibiotics for livestock, poultry and beehives, %**  
**2021**

	Share of holdings using hormones	Share of holdings using antibiotics
Buffalo	0	3
Sheep	1	9
Goat	0	2
Horse	0	3
Mule	0	3
Rabbit	0	0
Beehives	2	8
Other poultry	0	1

**Table 4.14. Traditional medicine used for cattle by regions**  
**2021**

	Number of holdings reporting the use of traditional medicine for cattle (ths. unit)	Of which, %		
		Reproduction	Curative	Prevention
<b>Georgia</b>	<b>11.0</b>	<b>4</b>	<b>75</b>	<b>35</b>
Tbilisi	0.0	-	-	-
Adjara AR	2.0	0	65	35
Guria	0.2	-	-	-
Imereti	2.6	3	93	40
Kakheti	0.1	-	-	-
Mtskheta-Mtianeti	0.0	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.4	-	-	-
Samegrelo-Zemo Svaneti	0.3	-	-	-
Samtskhe-Javakheti	1.0	0	100	19
Kvemo Kartli	2.6	12	44	52
Shida Kartli	1.6	0	100	0

"-" Data is not available due to small sample size of the survey

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

Note: More than one answer can be reported



**Table 4.15. Traditional medicine used for pig by regions  
2021**

	Number of holdings reporting the use of traditional medicine for pig (ths. unit)	Of which, %		
		Reproduction	Curative	Prevention
<b>Georgia</b>	<b>2.8</b>	<b>1</b>	<b>82</b>	<b>21</b>
Tbilisi	0.0	-	-	-
Adjara AR	0.0	-	-	-
Guria	0.0	-	-	-
Imereti	0.7	-	-	-
Kakheti	0.0	-	-	-
Mtskheta-Mtianeti	0.0	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.0	-	-	-
Samegrelo-Zemo Svaneti	0.0	-	-	-
Samtskhe-Javakheti	1.4	0	69	37
Kvemo Kartli	0.0	-	-	-
Shida Kartli	0.6	-	-	-

"-" Data is not available due to small sample size of the survey

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

Note: More than one answer can be report

**Table 4.16. Traditional medicine used for chicken by regions  
2021**

	Number of holdings reporting the use of traditional medicine for chicken (ths. unit)	Of which, %		
		Reproduction	Curative	Prevention
<b>Georgia</b>	<b>10.6</b>	<b>0</b>	<b>64</b>	<b>38</b>
Tbilisi	0.0	-	-	-
Adjara AR	0.1	-	-	-
Guria	0.3	-	-	-
Imereti	3.1	1	73	33
Kakheti	3.4	0	61	39
Mtskheta-Mtianeti	0.1	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.3	-	-	-
Samegrelo-Zemo Svaneti	1.6	0	18	82
Samtskhe-Javakheti	0.3	-	-	-
Kvemo Kartli	1.2	0	100	0
Shida Kartli	0.3	-	-	-

"-" Data is not available due to small sample size of the survey

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

Note: More than one answer can be report

**Table 4.17. Distribution of holdings by main type of animal housing system used for cattle and by regions 2021**

	Number of holdings reporting cattle (ths. unit)	Warm season			Except warm season		
		Of which, %			Of which, %		
		Open/no housing	Stanchion-tied stable	Loose housing	Open/no housing	Stanchion-tied stable	Loose housing
<b>Georgia</b>	<b>207.0</b>	<b>13</b>	<b>59</b>	<b>28</b>	<b>0</b>	<b>74</b>	<b>26</b>
Tbilisi	0.4	-	-	-	-	-	-
Adjara AR	17.0	0	99	1	0	99	1
Guria	13.6	19	79	2	0	98	2
Imereti	52.1	9	84	7	0	98	2
Kakheti	13.9	22	24	54	1	29	70
Mtskheta-Mtianeti	7.5	30	29	41	0	53	46
Racha-Lechkhumi and Kvemo Svaneti	4.5	27	8	65	0	8	92
Samegrelo-Zemo Svaneti	39.5	28	56	17	0	96	3
Samtskhe-Javakheti	16.6	1	97	2	0	100	0
Kvemo Kartli	24.6	2	11	87	0	18	82
Shida Kartli	17.3	6	25	68	0	26	74

"-" Data is not available due to small sample size of the survey

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 4.18. Distribution of holdings by main type of animal housing system used for buffalo, % 2021**

	Warm season			Except warm season		
	Open/no housing	Stanchion-tied stable	Loose housing	Open/no housing	Stanchion-tied stable	Loose housing
<b>Georgia</b>	<b>41</b>	<b>41</b>	<b>18</b>	<b>2</b>	<b>88</b>	<b>10</b>

**Table 4.19. Distribution of holdings by main type of animal housing system used for Sheep and goat, % 2021**

	Warm season		Except warm season	
	Open/no housing	Shelter	Open/no housing	Shelter
<b>Georgia</b>	<b>19</b>	<b>81</b>	<b>2</b>	<b>98</b>

**Table 4.20. Distribution of holdings by main type of animal housing system used for pig and by regions 2021**

	Number of holdings reporting pig (ths. unit)	Warm season				Except warm season			
		Of which, %				Of which, %			
		Open/no housing	Pig house with partially or completely slatted floors	Pig house with straw / hay / sawdust-beds	Pig house with wood, stone or concrete-beds	Open/no housing	Pig house with partially or completely slatted floors	Pig house with straw / hay / sawdust-beds	Pig house with wood, stone or concrete-beds
<b>Georgia</b>	<b>81.6</b>	<b>6</b>	<b>2</b>	<b>3</b>	<b>89</b>	<b>1</b>	<b>2</b>	<b>9</b>	<b>89</b>
Tbilisi	0.2	-	-	-	-	-	-	-	-
Adjara AR	0.8	-	-	-	-	-	-	-	-
Guria	3.2	4	0	4	93	1	4	0	95
Imereti	26.0	2	0	2	96	0	0	7	93
Kakheti	10.6	1	6	6	87	1	6	9	84
Mtskheta-Mtianeti	2.3	15	4	14	67	0	0	8	92
Racha-Lechkhumi and Kvemo Svaneti	1.8	3	7	0	91	0	7	10	84
Samegrelo-Zemo Svaneti	14.6	23	1	4	71	2	2	12	84
Samtskhe-Javakheti	11.2	1	1	0	98	1	0	1	98
Kvemo Kartli	3.0	0	0	4	96	0	0	4	96
Shida Kartli	7.9	2	3	7	89	0	4	28	67

"-" Data is not available due to small sample size of the survey

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 4.21. Distribution of holdings by main type of animal housing system used for chicken and by regions 2021**

	Number of holdings reporting chicken (ths. unit)	Warm season					Except warm season				
		Of which, %					Of which, %				
		Open/no housing	On straw-beds (deep litter loose housing)	Chicken house with wood, stone or concrete-beds	Battery cage with manure belt	Battery cage with deep pit	Open/no housing	On straw-beds (deep litter loose housing)	Chicken house with wood, stone or concrete-beds	Battery cage with manure belt	Battery cage with deep pit
<b>Georgia</b>	<b>319.6</b>	<b>8</b>	<b>4</b>	<b>77</b>	<b>0</b>	<b>11</b>	<b>4</b>	<b>6</b>	<b>79</b>	<b>0</b>	<b>11</b>
Tbilisi	1.9	0	1	93	0	6	0	1	93	0	6
Adjara AR	10.1	0	1	78	0	21	0	1	80	0	19
Guria	18.6	15	2	65	0	18	0	4	77	0	18
Imereti	69.8	2	1	87	0	10	1	2	87	0	9
Kakheti	53.6	18	9	69	0	4	11	11	73	0	4
Mtskheta-Mtianeti	12.3	16	6	76	0	2	2	7	89	0	2
Racha-Lechkhumi and Kvemo Svaneti	6.4	0	2	96	0	2	0	3	97	0	0
Samegrelo-Zemo Svaneti	53.0	16	4	45	0	35	8	6	52	0	35
Samtskhe-Javakheti	16.8	0	0	100	0	0	0	3	97	0	0
Kvemo Kartli	41.4	2	8	90	0	0	0	11	89	0	0
Shida Kartli	35.7	2	1	95	0	1	0	7	91	0	1

**Table 4.22. Existing ventilation systems and temperature control in animal housing by regions  
2021**

	Number of holdings reporting animal housing (ths. unit)	of which, %				
		ventilation system				Share of holdings reporting control temperature in animal housing
		Fans switched on automatically	Fans switched on manually	Passive ventilation*	None	
Georgia	357.1	0	1	88	11	11
Tbilisi	2.1	0	0	86	14	14
Adjara AR	21.7	0	9	92	0	0
Guria	21.8	0	0	77	23	23
Imereti	74.9	0	0	95	5	5
Kakheti	52.0	0	0	88	12	12
Mtskheta-Mtianeti	14.8	0	0	88	12	12
Racha-Lechkhumi and Kvemo Svaneti	7.2	0	0	96	4	4
Samegrelo-Zemo Svaneti	55.6	0	0	86	14	14
Samtskhe-Javakheti	21.5	0	0	89	11	11
Kvemo Kartli	47.2	0	0	78	22	22
Shida Kartli	38.3	0	0	95	5	5

\*Passive ventilation - side curtains, free air or vent panels

**Table 4.23. Distribution of holdings by using filters on vents in pig and chicken house by regions, %  
2021**

	share of holdings reporting using vents in the house of pig	of which	
		share of holdings reporting using filters	share of holdings reporting not using filters
Pig	0.0	-	-
Chicken	1.6	3	97

"-" Data is not available due to small sample size of the survey

**Table 4.24. Share of holdings by livestock type in transhumance practices and by region, %  
2021**

	Share of holdings practicing transhumance for Cattle	Share of holdings practicing transhumance for Buffaloes	Share of holdings practicing transhumance for Sheep	Share of holdings practicing transhumance for Goats
<b>Georgia</b>	<b>7</b>	<b>0</b>	<b>12</b>	<b>9</b>
Tbilisi	0	0	0	0
Adjara AR	28	0	0	0
Guria	2	0	0	0
Imereti	1	0	0	10
Kakheti	7	0	31	39
Mtskheta-Mtianeti	2	0	2	12
Racha-Lechkhumi and Kvemo Svaneti	1	0	0	0
Samegrelo-Zemo Svaneti	5	0	0	0
Samtskhe-Javakheti	12	0	16	2
Kvemo Kartli	13	1	12	7
Shida Kartli	2	0	18	3

**Table 4.25. Distribution of holdings by main transportation method and frequency of transportation of livestock and poultry to slaughterhouse and by regions**  
**2021**

	Number of holdings reporting (ths. unit)	Number of holdings reporting transportation to slaughterhouse (ths. unit)	of which					
			Distribution of holdings by main transportation method, %			Distribution of holdings by frequency of transportation, %		
			By foot	By road with motor vehicles	By rail vehicles	1-3 times	4-10 times	More than 10 times
Cattle	207.0	1.9	21	79	0	90	9	1
Pig	81.6	1.1	0	100	0	61	39	0
Chicken	319.6	0.0	-	-	-	-	-	-

"-" Data is not available due to small sample size of the survey

**Table 4.26. Distribution of holdings by main transportation method and frequency of transportation of cattle to market for selling and by regions**  
**2021**

	Number of holdings reporting cattle (ths. unit)	Number of holdings reporting cattle transportation to market for selling (ths. unit)	of which					
			Distribution of holdings by main transportation method, %			Distribution of holdings by frequency of transportation, %		
			By foot	By road with motor vehicles	By rail vehicles	1-2 times	3-6 times	more than 6 times
<b>Georgia</b>	<b>207.0</b>	<b>10.6</b>	<b>16</b>	<b>84</b>	<b>0</b>	<b>80</b>	<b>19</b>	<b>2</b>
Tbilisi	0.4	0.0	-	-	-	-	-	-
Adjara AR	17.0	0.1	-	-	-	-	-	-
Guria	13.6	0.0	-	-	-	-	-	-
Imereti	52.1	1.1	79	21	0	79	21	0
Kakheti	13.9	0.8	72	28	0	86	13	1
Mtskheta-Mtianeti	7.5	0.3	-	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	4.5	0.4	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	39.5	0.1	-	-	-	-	-	-
Samtskhe-Javakheti	16.6	1.2	2	98	0	89	11	0
Kvemo Kartli	24.6	6.5	2	98	0	74	24	2
Shida Kartli	17.3	0.2	-	-	-	-	-	-

"-" Data is not available due to small sample size of the survey.

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.

**Table 4.27. Distribution of holdings by main transportation method and frequency of transportation of livestock or poultry to market for selling**  
**2021**

	Distribution of holdings by main transportation method, %			Distribution of holdings by frequency of transportation, %		
	By foot	By road with motor vehicles	By rail vehicles	1-2 times	3-6 times	more than 7 times
Pig	3.0	97.0	0.0	87	10	3
Sheep	14.0	86.0	0.0	47	39	14
Chicken	20.0	80.0	0.0	48	51	1
Other poultry	23.0	77.0	0.0	74	26	0

**Table 4.28. Distribution of holdings by main transportation method and frequency of transportation of cattle to pastures outside the holding and by regions**  
**2021**

	Number of holdings reporting cattle (ths. unit)	Number of holdings reporting cattle transportation to pastures outside the holding (ths. unit)	of which						
			Distribution of holdings by main transportation method, %			Distribution of holdings by frequency of transportation, %			
			By foot	By road with motor vehicles	By rail vehicles	1-90 times	91-230 times	230-310 times	more than 310 times
<b>Georgia</b>	<b>207.0</b>	<b>81.0</b>	<b>99</b>	<b>1</b>	<b>0</b>	<b>8</b>	<b>43</b>	<b>27</b>	<b>21</b>
Tbilisi	0.4	0.2	-	-	-	-	-	-	-
Adjara AR	17.0	2.3	94	6	0	100	0	0	0
Guria	13.6	0.2	-	-	-	-	-	-	-
Imereti	52.1	2.4	100	0	0	18	51	23	8
Kakheti	13.9	9.5	100	0	0	7	10	49	34
Mtskheta-Mtianeti	7.5	4.2	100	0	0	4	77	12	8
Racha-Lechkhumi and Kvemo Svaneti	4.5	0.6	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	39.5	19.4	100	0	0	5	12	15	68
Samtskhe-Javakheti	16.6	15.9	99	1	0	1	88	10	0
Kvemo Kartli	24.6	11.3	97	3	0	12	46	40	3
Shida Kartli	17.3	15.0	100	0	0	2	51	46	1

"-" Data is not available due to small sample size of the survey

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 4.29. Distribution of holdings by main transportation method and frequency of transportation of livestock and beehives to pastures outside the holding and by regions**  
**2021**

	Distribution of holdings by main transportation method, %			Distribution of holdings by frequency of transportation, %			
	By foot	By road with motor vehicles	By rail vehicles	1-90 times	91-230 times	230-310 times	more than 310 times
Buffalo	100	0	0	6	14	10	70
Sheep	99	1	0	17	49	14	20
Goat	99	1	0	17	36	24	23
Horse	99	1	0	24	23	36	17
Beehives	0	100	0	100	0	0	0

**Table 4.30. Distribution of holdings by main transportation method and frequency of transportation of cattle to other holdings for fed and by regions**  
**2021**

	Number of holdings reporting cattle (ths. unit)	Number of holdings reporting cattle transportation to other holdings for fed (ths. unit)	of which						
			Distribution of holdings by main transportation method, %			Distribution of holdings by frequency of transportation, %			
			By foot	By road with motor vehicles	By rail vehicles	1-90 times	91-230 times	230-310 times	more than 310 times
<b>Georgia</b>	<b>207.0</b>	<b>7.6</b>	<b>95</b>	<b>5</b>	<b>0</b>	<b>44</b>	<b>36</b>	<b>15</b>	<b>5</b>
Tbilisi	0.4	0.0	-	-	-	-	-	-	-
Adjara AR	17.0	0.1	-	-	-	-	-	-	-
Guria	13.6	0.1	-	-	-	-	-	-	-
Imereti	52.1	0.9	100	0	0	79	21	0	0
Kakheti	13.9	0.7	-	-	-	-	-	-	-
Mtskheta-Mtianeti	7.5	0.6	-	-	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	4.5	0.6	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	39.5	1.7	100	0	0	43	36	13	9
Samtskhe-Javakheti	16.6	0.8	-	-	-	-	-	-	-
Kvemo Kartli	24.6	1.6	99	1	0	38	62	0	0
Shida Kartli	17.3	0.5	-	-	-	-	-	-	-

"-" Data is not available due to small sample size of the survey

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 4.31. Distribution of holdings by main transportation method and frequency of transportation of livestock, poultry and beehives to other holdings for fed and by regions**  
**2021**

	Distribution of holdings by main transportation method, %			Distribution of holdings by frequency of transportation, %			
	By foot	By road with motor vehicles	By rail vehicles	1-90 times	91- 230 times	230-310 times	more than 310 times
Sheep	98	2	0	31	44	11	14
Horse	100	0	0	65	28	7	0
Beehives	0	100	0	100	0	0	0

**Table 4.32. Share of holdings reporting the use of cattle for transporting or/and draft power, by regions**  
**2021**

	Number of holdings reporting cattle (ths. unit)	Share of holdings reporting cattle used for transporting people, goods etc., %	Share of holdings reporting cattle used for draft power, %
<b>Geogia</b>	<b>207.0</b>	<b>1</b>	<b>1</b>
Tbilisi	0.4	0	0
Adjara AR	17.0	0	0
Guria	13.6	0	0
Imereti	52.1	1	1
Kakheti	13.9	0	0
Mtskheta-Mtianeti	7.5	0	0
Racha-Lechkhumi and Kvemo Svaneti	4.5	2	1
Samegrelo-Zemo Svaneti	39.5	3	2
Samtskhe-Javakheti	16.6	1	1
Kvemo Kartli	24.6	0	0
Shida Kartli	17.3	0	0



**Table 4.33. Share of holdings reporting the use of livestock for transporting or/and draft power  
2021**

	Share of holdings reporting cattle used for transporting, %	Share of holdings reporting cattle used for draft power, %
Buffalo	10	10
Horse	43	30
Mule	56	24

**Table 4.34. Share of cattle used for transporting or/and draft power by regions  
2021**

	Number of cattle (ths. unit)	Number of cattle above 2 years (ths. unit)	Share of holdings reporting cattle used for transporting people. goods etc., %	Share of holdings reporting cattle used for draft power, %
<b>Georgia</b>	<b>970.6</b>	<b>512.2</b>	<b>1</b>	<b>0</b>
Tbilisi	2.9	1.6	0	0
Adjara AR	59.4	29.2	0	0
Guria	40.2	21.9	0	0
Imereti	189.6	105.2	1	1
Kakheti	93.2	44.0	0	0
Mtskheta-Mtianeti	32.8	16.5	1	0
Racha-Lechkhumi and Kvemo Svaneti	14.0	9.2	1	1
Samegrelo-Zemo Svaneti	187.9	97.9	1	1
Samtskhe-Javakheti	120.6	67.8	0	0
Kvemo Kartli	173.7	87.9	0	0
Shida Kartli	56.3	30.9	0	0

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 4.35. Share of livestock used for transporting or/and draft power  
2021**

	Number of livestock (ths. unit)	Number of livestock above 2 years (ths. unit)	Share of holdings reporting livestock used for transporting people. goods etc., %	Share of holdings reporting livestock used for draft power, %
Buffalo	10 155	-	6	6
Horse	-	-	43	26
Mule	-	-	37	15

"-" Data is not available due to small sample size of the survey

**Table 4.36. Distribution of cattle by method of feeding and region  
2021**

	Number of cattle* (ths. unit)	of which share of cattle by method of feeding, %			
		feeding only grazing, including scavenging	Mainly grazing, including scavenging but in part feeding by holding	Mainly feeding by holding but in part grazing, including scavenging	Only feeding by holding (zero grazing or scavenging)
<b>Georgia</b>	<b>970.6</b>	<b>4</b>	<b>56</b>	<b>36</b>	<b>4</b>
Tbilisi	2.9	0	59	41	0
Adjara AR	59.4	1	27	67	5
Guria	40.2	6	63	31	1
Imereti	189.6	8	63	27	3
Kakheti	93.2	5	66	19	10
Mtskheta-Mtianeti	32.8	14	58	26	2
Racha-Lechkhumi and Kvemo Svaneti	14.0	3	44	39	15
Samegrelo-Zemo Svaneti	187.9	1	52	45	2
Samtskhe-Javakheti	120.6	1	59	37	3
Kvemo Kartli	173.7	3	54	40	4
Shida Kartli	56.3	1	61	26	12

\*average of four quarters

**Table 4.37. Distribution of pig by method of feeding and region  
2021**

	Number of pig* (ths. unit)	of which share of pig by method of feeding, %			
		feeding only scavenging	Mainly scavenging but in part feeding by holding	Mainly feeding by holding but in part scavenging	Only feeding by holding (zero grazing or scavenging)
<b>Georgia</b>	<b>195.0</b>	<b>2</b>	<b>14</b>	<b>27</b>	<b>58</b>
Tbilisi	1.8	0	0	5	95
Adjara AR	1.1	0	0	43	57
Guria	5.4	16	23	51	9
Imereti	34.8	2	23	38	37
Kakheti	36.2	3	0	6	90
Mtskheta-Mtianeti	4.6	1	4	35	60
Racha-Lechkhumi and Kvemo Svaneti	2.2	1	5	32	63
Samegrelo-Zemo Svaneti	41.1	1	33	52	14
Samtskhe-Javakheti	14.8	0	0	12	88
Kvemo Kartli	37.5	1	2	2	95
Shida Kartli	15.3	0	0	18	82

\*average of four quarters

**Table 4.38. Distribution of chicken by method of feeding and region  
2021**

	Number of chicken* (ths. unit)	of which share of chicken by method of feeding, %			
		feeding only scavenging	Mainly scavenging but in part feeding by holding	Mainly feeding by holding but in part scavenging	Only feeding by holding (zero grazing or scavenging)
<b>Georgia</b>	<b>10 179.8</b>	<b>0</b>	<b>9</b>	<b>13</b>	<b>78</b>
Tbilisi	561.0	0	0	3	97
Adjara AR	130.9	0	8	14	77
Guria	263.5	1	35	55	9
Imereti	1 149.0	2	25	49	24
Kakheti	1 427.0	2	3	47	48
Mtskheta-Mtianeti	326.6	0	2	14	84
Racha-Lechkhumi and Kvemo Svaneti	47.0	1	4	81	14
Samegrelo-Zemo Svaneti	1 186.6	1	44	45	10
Samtskhe-Javakheti	246.5	0	8	58	34
Kvemo Kartli	4 133.6	0	0	2	98
Shida Kartli	708.0	0	22	11	67

\*average of four quarters

**Table 4.39. Distribution of livestock and poultry by method of feeding and region, %  
2021**

	feeding only grazing, including scavenging	Mainly grazing, including scavenging but in part feeding by holding	Mainly feeding by holding but in part grazing, including scavenging	Only feeding by holding (zero grazing or scavenging)
Buffalo	6	81	12	1
Sheep	7	75	17	1
Goat	14	62	15	10
Horse	32	55	12	0
Mule	2	52	32	13
Rabbit	4	3	6	87
Other poultry	3	28	44	25

**Table 4.40. Distribution of holdings by method of feeding for cattle and region  
2021**

	Number of holdings reporting cattle (ths. unit)	of which share of holdings, %			
		feeding only grazing, including scavenging	Mainly grazing, including scavenging but in part feeding by holding	Mainly feeding by holding but in part grazing, including scavenging	Only feeding by holding (zero grazing or scavenging)
<b>Georgia</b>	<b>207.0</b>	<b>7</b>	<b>70</b>	<b>53</b>	<b>10</b>
Tbilisi	0.4	-	-	-	-
Adjara AR	17.0	7	33	71	12
Guria	13.6	5	75	45	3
Imereti	52.1	13	77	48	5
Kakheti	13.9	8	73	22	11
Mtskheta-Mtianeti	7.5	16	81	40	5
Racha-Lechkhumi and Kvemo Svaneti	4.5	7	71	57	40
Samegrelo-Zemo Svaneti	39.5	5	69	60	10
Samtskhe-Javakheti	16.6	1	82	66	12
Kvemo Kartli	24.6	3	63	64	14
Shida Kartli	17.3	1	79	43	16

**Table 4.41. Distribution of holdings by method of feeding for pig and region  
2021**

	Number of holdings reporting pig (ths. unit)	of which share of holdings, %			
		feeding only scavenging	Mainly scavenging but in part feeding by holding	Mainly feeding by holding but in part scavenging	Only feeding by holding (zero grazing or scavenging)
<b>Georgia</b>	<b>81.6</b>	<b>5</b>	<b>21</b>	<b>32</b>	<b>57</b>
Tbilisi	0.2	-	-	-	-
Adjara AR	0.8	-	-	-	-
Guria	3.2	5	29	62	19
Imereti	26.0	8	27	33	49
Kakheti	10.6	4	1	12	86
Mtskheta-Mtianeti	2.3	3	7	35	62
Racha-Lechkhumi and Kvemo Svaneti	1.8	6	7	52	55
Samegrelo-Zemo Svaneti	14.6	3	55	61	18
Samtskhe-Javakheti	11.2	0	1	6	94
Kvemo Kartli	3.0	13	17	5	78
Shida Kartli	7.9	4	1	32	68

**Table 4.42. Distribution of holdings by method of feeding for chicken and by region  
2021**

	Number of holdings reporting chicken (ths. unit)	of which share of holdings, %			
		feeding only scavenging	Mainly scavenging but in part feeding by holding	Mainly feeding by holding but in part scavenging	Only feeding by holding (zero grazing or scavenging)
<b>Georgia</b>	<b>319.6</b>	<b>4</b>	<b>29</b>	<b>62</b>	<b>23</b>
Tbilisi	1.9	0	0	94	6
Adjara AR	10.1	6	44	49	26
Guria	18.6	1	51	59	9
Imereti	69.8	6	38	64	15
Kakheti	53.6	6	9	55	33
Mtskheta-Mtianeti	12.3	2	20	79	13
Racha-Lechkhumi and Kvemo Svaneti	6.4	3	26	87	17
Samegrelo-Zemo Svaneti	53.0	4	51	68	11
Samtskhe-Javakheti	16.8	3	18	75	17
Kvemo Kartli	41.4	0	17	51	44
Shida Kartli	35.7	0	21	58	35

**Table 4.43. Distribution of holdings by method of feeding for livestock and poultry, %  
2021**

	feeding only grazing, including scavenging	Mainly grazing, including scavenging but in part feeding by holding	Mainly feeding by holding but in part grazing, including scavenging	Only feeding by holding (zero grazing or scavenging)
Buffalo	12	93	26	11
Sheep	18	86	39	7
Goat	18	65	20	15
Horse	21	68	19	0
Mule	2	52	44	16
Rabbit	7	11	16	78
Other poultry	8	39	53	28

**Table 4.44. Distribution of holdings by main method of feeding for cattle and by region  
2021**

	Number of holdings reporting cattle (ths. unit)	of which share of holdings, %			
		feeding only grazing, including scavenging	Mainly grazing, including scavenging but in part feeding by holding	Mainly feeding by holding but in part grazing, including scavenging	Only feeding by holding (zero grazing or scavenging)
<b>Georgia</b>	<b>207.0</b>	<b>4</b>	<b>65</b>	<b>39</b>	<b>5</b>
Tbilisi	0.4	-	-	-	-
Adjara AR	17.0	1	26	64	11
Guria	13.6	5	71	29	1
Imereti	52.1	8	69	34	2
Kakheti	13.9	7	72	17	7
Mtskheta-Mtianeti	7.5	16	68	36	4
Racha-Lechkhumi and Kvemo Svaneti	4.5	5	57	44	19
Samegrelo-Zemo Svaneti	39.5	2	65	40	2
Samtskhe-Javakheti	16.6	1	78	34	1
Kvemo Kartli	24.6	2	60	54	7
Shida Kartli	17.3	1	74	34	12

**Table 4.45. Distribution of holdings by main method of feeding for pig and by region  
2021**

	Number of holdings reporting pig (ths. unit)	of which share of holdings, %			
		feeding only scavenging	Mainly scavenging but in part feeding by holding	Mainly feeding by holding but in part scavenging	Only feeding by holding (zero grazing or scavenging)
<b>Georgia</b>	<b>81.6</b>	<b>3</b>	<b>19</b>	<b>28</b>	<b>55</b>
Tbilisi	0.2	-	-	-	-
Adjara AR	0.8	-	-	-	-
Guria	3.2	5	22	56	19
Imereti	26.0	5	26	28	47
Kakheti	10.6	3	1	12	86
Mtskheta-Mtianeti	2.3	3	7	34	59
Racha-Lechkhumi and Kvemo Svaneti	1.8	1	3	47	55
Samegrelo-Zemo Svaneti	14.6	2	48	49	12
Samtskhe-Javakheti	11.2	0	1	5	94
Kvemo Kartli	3.0	10	17	5	78
Shida Kartli	7.9	0	1	31	68

**Table 4.46. Distribution of holdings by main method of feeding for chicken and by region**  
**2021**

	Number of holdings reporting chicken (ths. unit)	of which share of holdings, %			
		feeding only scavenging	Mainly scavenging but in part feeding by holding	Mainly feeding by holding but in part scavenging	Only feeding by holding (zero grazing or scavenging)
<b>Georgia</b>	<b>319.6</b>	<b>2</b>	<b>25</b>	<b>56</b>	<b>21</b>
Tbilisi	1.9	0	0	94	6
Adjara AR	10.1	2	35	40	24
Guria	18.6	1	44	50	9
Imereti	69.8	3	30	57	14
Kakheti	53.6	5	9	54	33
Mtskheta-Mtianeti	12.3	2	19	79	11
Racha-Lechkhumi and Kvemo Svaneti	6.4	1	3	86	12
Samegrelo-Zemo Svaneti	53.0	1	46	57	4
Samtskhe-Javakheti	16.8	1	14	70	16
Kvemo Kartli	41.4	0	16	46	43
Shida Kartli	35.7	0	16	55	35

**Table 4.47. Distribution of holdings by main method of feeding for livestock and poultry, %**  
**2021**

	feeding only grazing, including scavenging	Mainly grazing, including scavenging but in part feeding by holding	Mainly feeding by holding but in part grazing, including scavenging	Only feeding by holding (zero grazing or scavenging)
Buffalo	10	92	10	2
Sheep	14	74	13	2
Goat	17	60	16	14
Horse	21	66	15	0
Mule	2	50	35	16
Rabbit	7	8	10	78
Other poultry	3	33	46	25

**Table 4.48. Distribution of holdings with share of cattle with feeding only grazing, including scavenging, in the total number of cattle operated by holding**  
**2021**

	Number of holdings reporting cattle (ths. unit)	of which, %				
		Less than 10% (None/close to none) of cattle	From 10% to 40% of cattle	From 40% to 60% of cattle	From 60% to 90% of cattle	More than 90% (almost all) of cattle
<b>Georgia</b>	<b>207.0</b>	<b>94</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>
Tbilisi	0.4	-	-	-	-	-
Adjara AR	17.0	94	6	0	0	0
Guria	13.6	95	3	0	1	0
Imereti	52.1	89	4	3	3	1
Kakheti	13.9	92	1	0	1	6
Mtskheta-Mtianeti	7.5	84	3	1	12	0
Racha-Lechkhumi and Kvemo Svaneti	4.5	93	2	5	0	0
Samegrelo-Zemo Svaneti	39.5	97	1	1	1	0
Samtskhe-Javakheti	16.6	99	0	1	0	0
Kvemo Kartli	24.6	97	2	0	1	0
Shida Kartli	17.3	99	0	1	0	0

**Table 4.49. Distribution of holdings with share of cattle with mainly grazing, including scavenging but in part feeding by holding, in the total number of cattle operated by holding**  
**2021**

	Number of holdings reporting cattle (ths. unit)	of which, %				
		Less than 10% (None/close to none) of cattle	From 10% to 40% of cattle	From 40% to 60% of cattle	From 60% to 90% of cattle	More than 90% (almost all) of cattle
<b>Georgia</b>	<b>207.0</b>	<b>30</b>	<b>6</b>	<b>17</b>	<b>8</b>	<b>39</b>
Tbilisi	0.4	-	-	-	-	-
Adjara AR	17.0	68	7	0	0	25
Guria	13.6	26	5	13	2	54
Imereti	52.1	24	8	15	7	45
Kakheti	13.9	27	1	4	5	63
Mtskheta-Mtianeti	7.5	19	15	18	3	45
Racha-Lechkhumi and Kvemo Svaneti	4.5	29	14	33	13	11
Samegrelo-Zemo Svaneti	39.5	31	4	15	13	36
Samtskhe-Javakheti	16.6	19	3	25	21	31
Kvemo Kartli	24.6	38	3	28	2	29
Shida Kartli	17.3	21	5	24	10	40



**Table 4.50. Distribution of holdings with share of cattle with mainly feeding by holding but in part grazing, including scavenging, in the total number of cattle operated by holding**  
**2021**

	Number of holdings reporting cattle (ths. unit)	of which, %				
		Less than 10% (None/close to none) of cattle	From 10% to 40% of cattle	From 40% to 60% of cattle	From 60% to 90% of cattle	More than 90% (almost all) of cattle
<b>Georgia</b>	<b>207.0</b>	<b>48</b>	<b>14</b>	<b>12</b>	<b>2</b>	<b>25</b>
Tbilisi	0.4	-	-	-	-	-
Adjara AR	17.0	30	7	0	0	63
Guria	13.6	55	18	2	0	25
Imereti	52.1	53	14	12	2	19
Kakheti	13.9	79	4	3	2	12
Mtskheta-Mtianeti	7.5	60	6	16	0	18
Racha-Lechkhumiānd Kvemo Svaneti	4.5	43	13	11	11	21
Samegrelo-Zemo Svaneti	39.5	42	19	8	3	29
Samtskhe-Javakheti	16.6	35	28	17	4	15
Kvemo Kartli	24.6	36	9	26	4	24
Shida Kartli	17.3	57	9	16	1	17

**Table 4.51. Distribution of holdings with share of cattle with only feeding by holding (zero grazing or scavenging), in the total number of cattle operated by holding**  
**2021**

	Number of holdings reporting cattle (ths. unit)	of which, %				
		Less than 10% (None/close to none) of cattle	From 10% to 40% of cattle	From 40% to 60% of cattle	From 60% to 90% of cattle	More than 90% (almost all) of cattle
<b>Georgia</b>	<b>207.0</b>	<b>92</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>2</b>
Tbilisi	0.4	-	-	-	-	-
Adjara AR	17.0	89	5	2	1	3
Guria	13.6	98	2	0	0	0
Imereti	52.1	96	2	0	0	1
Kakheti	13.9	90	3	1	0	6
Mtskheta-Mtianeti	7.5	95	3	1	0	1
Racha-Lechkhumiānd Kvemo Svaneti	4.5	60	21	19	0	0
Samegrelo-Zemo Svaneti	39.5	94	4	2	0	0
Samtskhe-Javakheti	16.6	90	8	1	0	1
Kvemo Kartli	24.6	87	5	2	0	5
Shida Kartli	17.3	85	2	9	0	3

**Table 4.52. Distribution of holdings with share of pig with feeding only scavenging, in the total number of pig operated by holding**  
**2021**

	Number of holdings reporting pig (ths. unit)	of which, %				
		Less than 10% (None/close to none) of pig	From 10% to 40% of pig	From 40% to 60% of pig	From 60% to 90% of pig	More than 90% (almost all) of pig
<b>Georgia</b>	<b>81.6</b>	<b>97</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>1</b>
Tbilisi	0.2	-	-	-	-	-
Adjara AR	0.8	-	-	-	-	-
Guria	3.2	95	0	0	0	5
Imereti	26.0	95	1	3	2	0
Kakheti	10.6	97	0	1	0	2
Mtskheta-Mtianeti	2.3	97	0	3	0	0
Racha-Lechkhumi and Kvemo Svaneti	1.8	94	5	1	0	0
Samegrelo-Zemo Svaneti	14.6	98	0	2	0	0
Samtskhe-Javakheti	11.2	100	0	0	0	0
Kvemo Kartli	3.0	90	0	9	0	0
Shida Kartli	7.9	100	0	0	0	0

**Table 4.53. Distribution of holdings with share of pig with mainly scavenging but in part feeding by holding, in the total number of pig operated by holding**  
**2021**

	Number of holdings reporting pig (ths. unit)	of which, %				
		Less than 10% (None/close to none) of pig	From 10% to 40% of pig	From 40% to 60% of pig	From 60% to 90% of pig	More than 90% (almost all) of pig
<b>Georgia</b>	<b>81.6</b>	<b>79</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>12</b>
Tbilisi	0.2	-	-	-	-	-
Adjara AR	0.8	-	-	-	-	-
Guria	3.2	71	7	7	0	14
Imereti	26.0	73	3	4	3	17
Kakheti	10.6	99	1	0	0	1
Mtskheta-Mtianeti	2.3	93	0	0	1	6
Racha-Lechkhumi and Kvemo Svaneti	1.8	94	3	1	0	2
Samegrelo-Zemo Svaneti	14.6	47	5	15	4	30
Samtskhe-Javakheti	11.2	99	0	1	0	0
Kvemo Kartli	3.0	83	0	0	0	17
Shida Kartli	7.9	99	0	1	0	0

**Table 4.54. Distribution of holdings with share of pig with mainly feeding by holding but in part scavenging, in the total number of pig operated by holding**  
**2021**

	Number of holdings reporting pig (ths. unit)	of which, %				
		Less than 10% (None/close to none) of pig	From 10% to 40% of pig	From 40% to 60% of pig	From 60% to 90% of pig	More than 90% (almost all) of pig
<b>Georgia</b>	<b>81.6</b>	<b>69</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>23</b>
Tbilisi	0.2	-	-	-	-	-
Adjara AR	0.8	-	-	-	-	-
Guria	3.2	38	6	6	4	47
Imereti	26.0	69	4	2	0	25
Kakheti	10.6	88	0	1	1	10
Mtskheta-Mtianeti	2.3	65	1	0	4	31
Racha-Lechkhumi and Kvemo Svaneti	1.8	48	5	4	5	38
Samegrelo-Zemo Svaneti	14.6	40	10	11	4	34
Samtskhe-Javakheti	11.2	94	1	0	0	5
Kvemo Kartli	3.0	95	0	0	0	5
Shida Kartli	7.9	68	0	1	4	27

**Table 4.55. Distribution of holdings with share of pig with only feeding by holding (zero grazing or scavenging), in the total number of pig operated by holding**  
**2021**

	Number of holdings reporting pig (ths. unit)	of which, %				
		Less than 10% (None/close to none) of pig	From 10% to 40% of pig	From 40% to 60% of pig	From 60% to 90% of pig	More than 90% (almost all) of pig
<b>Georgia</b>	<b>81.6</b>	<b>44</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>53</b>
Tbilisi	0.2	-	-	-	-	-
Adjara AR	0.8	-	-	-	-	-
Guria	3.2	81	0	0	0	19
Imereti	26.0	53	0	0	0	47
Kakheti	10.6	14	1	2	0	84
Mtskheta-Mtianeti	2.3	38	4	3	0	55
Racha-Lechkhumi and Kvemo Svaneti	1.8	45	1	6	9	40
Samegrelo-Zemo Svaneti	14.6	85	3	1	6	5
Samtskhe-Javakheti	11.2	6	0	0	0	94
Kvemo Kartli	3.0	22	0	9	0	68
Shida Kartli	7.9	32	0	0	0	68

**Table 4.56. Distribution of holdings with share of chicken with feeding only scavenging, in the total number of chicken operated by holding  
2021**

	Number of holdings reporting chicken (ths. unit)	of which, %				
		Less than 10% (None/close to none) of chicken	From 10% to 40% of chicken	From 40% to 60% of chicken	From 60% to 90% of chicken	More than 90% (almost all) of chicken
<b>Georgia</b>	<b>319.6</b>	<b>97</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>
Tbilisi	1.9	100	0	0	0	0
Adjara AR	10.1	95	5	0	0	0
Guria	18.6	99	1	1	0	0
Imereti	69.8	96	1	3	0	0
Kakheti	53.6	94	0	0	0	5
Mtskheta-Mtianeti	12.3	98	1	2	0	0
Racha-Lechkhumi and Kvemo Svaneti	6.4	97	1	1	0	0
Samegrelo-Zemo Svaneti	53.0	99	1	0	0	0
Samtskhe-Javakheti	16.8	98	1	1	0	0
Kvemo Kartli	41.4	100	0	0	0	0
Shida Kartli	35.7	100	0	0	0	0

**Table 4.57. Distribution of holdings with share of chicken with mainly scavenging but in part feeding by holding, in the total number of chicken operated by holding  
2021**

	Number of holdings reporting chicken (ths. unit)	of which, %				
		Less than 10% (None/close to none) of chicken	From 10% to 40% of chicken	From 40% to 60% of chicken	From 60% to 90% of chicken	More than 90% (almost all) of chicken
<b>Georgia</b>	<b>319.6</b>	<b>71</b>	<b>4</b>	<b>5</b>	<b>2</b>	<b>18</b>
Tbilisi	1.9	100	0	0	0	0
Adjara AR	10.1	57	8	0	0	35
Guria	18.6	49	7	10	2	31
Imereti	69.8	62	7	4	2	24
Kakheti	53.6	91	0	1	1	8
Mtskheta-Mtianeti	12.3	80	1	11	0	8
Racha-Lechkhumi and Kvemo Svaneti	6.4	87	10	2	0	1
Samegrelo-Zemo Svaneti	53.0	50	5	13	4	29
Samtskhe-Javakheti	16.8	83	3	1	4	10
Kvemo Kartli	41.4	83	1	3	0	13
Shida Kartli	35.7	79	5	3	0	12

**Table 4.58. Distribution of holdings with share of chicken with mainly feeding by holding but in part scavenging, in the total number of chicken operated by holding**  
**2021**

	Number of holdings reporting chicken (ths. unit)	of which, %				
		Less than 10% (None/close to none) of chicken	From 10% to 40% of chicken	From 40% to 60% of chicken	From 60% to 90% of chicken	More than 90% (almost all) of chicken
<b>Georgia</b>	<b>319.6</b>	<b>39</b>	<b>5</b>	<b>6</b>	<b>3</b>	<b>48</b>
Tbilisi	1.9	6	0	0	1	94
Adjara AR	10.1	52	8	0	0	39
Guria	18.6	41	9	7	3	40
Imereti	69.8	38	5	6	5	47
Kakheti	53.6	45	1	1	0	52
Mtskheta-Mtianeti	12.3	21	1	9	3	67
Racha-Lechkhumi and Kvemo Svaneti	6.4	13	0	2	25	59
Samegrelo-Zemo Svaneti	53.0	33	10	10	4	43
Samtskhe-Javakheti	16.8	26	4	1	1	67
Kvemo Kartli	41.4	49	5	5	1	40
Shida Kartli	35.7	42	3	7	4	45

**Table 4.59. Distribution of holdings with share of chicken with only feeding by holding (zero grazing or scavenging), in the total number of chicken operated by holding**  
**2021**

	Number of holdings reporting chicken (ths. unit)	of which, %				
		Less than 10% (None/close to none) of chicken	From 10% to 40% of chicken	From 40% to 60% of chicken	From 60% to 90% of chicken	More than 90% (almost all) of chicken
<b>Georgia</b>	<b>319.6</b>	<b>78</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>18</b>
Tbilisi	1.9	94	1	0	0	6
Adjara AR	10.1	74	5	3	1	16
Guria	18.6	91	0	0	0	9
Imereti	69.8	86	0	1	2	11
Kakheti	53.6	67	0	1	0	32
Mtskheta-Mtianeti	12.3	87	2	0	0	11
Racha-Lechkhumi and Kvemo Svaneti	6.4	86	1	1	2	9
Samegrelo-Zemo Svaneti	53.0	92	4	0	1	2
Samtskhe-Javakheti	16.8	84	1	1	1	14
Kvemo Kartli	41.4	57	0	5	2	36
Shida Kartli	35.7	65	1	2	3	29

**Table 4.60. Distribution of holdings with share of livestock and poultry with feeding only grazing, including scavenging in the total number of livestock and poultry operated by holding**  
**2021**

	Less than 10% (None/close to none) of livestock and poultry	From 10% to 40% of livestock and poultry	From 40% to 60% of livestock and poultry	From 60% to 90% of livestock and poultry	More than 90% (almost all) of livestock and poultry
Buffalo	89	1	7	0	3
Sheep	82	4	3	9	3
Goat	82	2	6	1	10
Horse	79	0	0	2	19
Mule	98	1	0	1	0
Rabbit	93	0	2	0	4
Other poultry	94	3	2	0	1

**Table 4.61. Distribution of holdings with share of livestock and poultry with mainly grazing, including scavenging but in part feeding by holding, in the total number of livestock and poultry operated by holding**  
**2021**

	Less than 10% (None/close to none) of livestock and poultry	From 10% to 40% of livestock and poultry	From 40% to 60% of livestock and poultry	From 60% to 90% of livestock and poultry	More than 90% (almost all) of livestock and poultry
Buffalo	7	1	26	9	58
Sheep	14	12	7	23	43
Goat	35	6	6	3	49
Horse	32	1	3	4	60
Mule	48	3	1	9	40
Rabbit	89	2	0	3	5
Other poultry	61	6	9	2	21

**Table 4.62. Distribution of holdings with share of livestock and poultry with mainly feeding by holding but in part grazing, including scavenging, in the total number of livestock and poultry operated by holding  
2021**

	Less than 10% (None/close to none) of livestock and poultry	From 10% to 40% of livestock and poultry	From 40% to 60% of livestock and poultry	From 60% to 90% of livestock and poultry	More than 90% (almost all) of livestock and poultry
Buffalo	74	14	10	1	1
Sheep	63	24	4	0	10
Goat	80	5	4	0	11
Horse	82	3	3	0	12
Mule	58	9	1	0	33
Rabbit	84	7	0	2	7
Other poultry	48	5	7	4	35

**Table 4.63. Distribution of holdings with share of livestock and poultry with only feeding by holding (zero grazing or scavenging), in the total number of livestock and poultry operated by holding  
2021**

	Less than 10% (None/close to none) of livestock and poultry	From 10% to 40% of livestock and poultry	From 40% to 60% of livestock and poultry	From 60% to 90% of livestock and poultry	More than 90% (almost all) of livestock and poultry
Buffalo	93	4	0	0	2
Sheep	93	5	0	0	2
Goat	85	1	0	0	14
Horse	100	0	0	0	0
Mule	84	1	0	0	15
Rabbit	22	0	3	3	72
Other poultry	74	2	0	0	23

**Table 4.64. Distribution of holdings by share of forages, including roughages, in the total used food for cattle, by region  
2021**

	Number of holdings where cattle is fed by holding, even partially (ths. unit)	of which, %				
		Less than 10% (None/close to none) of cattle	From 10% to 40% of cattle	From 40% to 60% of cattle	From 60% to 90% of cattle	From 90% to 100% of cattle
<b>Georgia</b>	<b>205.9</b>	<b>3</b>	<b>7</b>	<b>26</b>	<b>50</b>	<b>14</b>
Tbilisi	0.4	-	-	-	-	-
Adjara AR	17.0	1	5	37	52	5
Guria	13.5	1	30	42	22	5
Imereti	51.8	1	4	32	57	6
Kakheti	13.2	1	11	20	41	27
Mtskheta-Mtianeti	7.5	2	0	8	64	26
Racha-Lechkhumiānd Kvemo Svaneti	4.5	4	0	6	61	29
Samegrelo-Zemo Svaneti	39.5	2	11	36	45	6
Samtskhe-Javakheti	16.6	0	1	7	72	20
Kvemo Kartli	24.6	10	1	21	49	20
Shida Kartli	17.3	6	1	10	40	43

**Table 4.65. Distribution of holdings by share of crops and agro-industrial by-products, including concentrate, in the total used food for cattle, by region  
2021**

	Number of holdings where cattle is fed by by holding, even partially (ths. unit)	of which, %				
		Less than 10% (None/close to none) of cattle	From 10% to 40% of cattle	From 40% to 60% of cattle	From 60% to 90% of cattle	From 90% to 100% of cattle
<b>Georgia</b>	<b>205.9</b>	<b>54</b>	<b>39</b>	<b>5</b>	<b>1</b>	<b>0</b>
Tbilisi	0.4	-	-	-	-	-
Adjara AR	17.0	75	24	1	0	0
Guria	13.5	31	56	10	3	0
Imereti	51.8	38	56	5	1	0
Kakheti	13.2	60	33	7	0	0
Mtskheta-Mtianeti	7.5	74	25	0	0	0
Racha-Lechkhumiānd Kvemo Svaneti	4.5	79	15	4	0	2
Samegrelo-Zemo Svaneti	39.5	41	55	3	1	0
Samtskhe-Javakheti	16.6	75	23	1	0	0
Kvemo Kartli	24.6	63	19	13	0	3
Shida Kartli	17.3	78	15	0	3	0



**Table 4.66. Distribution of holdings by share of swill and household wastes in the total used food for cattle, by region  
2021**

	Number of holdings where cattle is fed by holding, even partially (ths. unit)	of which, %				
		Less than 10% (None/close to none) of cattle	From 10% to 40% of cattle	From 40% to 60% of cattle	From 60% to 90% of cattle	From 90% to 100% of cattle
<b>Georgia</b>	<b>205.9</b>	<b>63</b>	<b>31</b>	<b>4</b>	<b>0</b>	<b>0</b>
Tbilisi	0.4	-	-	-	-	-
Adjara AR	17.0	26	68	5	1	1
Guria	13.5	54	32	13	1	0
Imereti	51.8	64	33	4	0	0
Kakheti	13.2	72	22	4	1	1
Mtskheta-Mtianeti	7.5	88	9	1	0	1
Racha-Lechkhumi and Kvemo Svaneti	4.5	95	3	0	0	2
Samegrelo-Zemo Svaneti	39.5	52	46	1	1	0
Samtskhe-Javakheti	16.6	80	19	1	0	0
Kvemo Kartli	24.6	71	20	4	0	3
Shida Kartli	17.3	80	10	6	0	0

**Table 4.67. Distribution of holdings by share of forages, including roughages, in the total used food for livestock/poultry  
2021**

	Number of holdings where livestock/poultry is fed by holding, even partially (ths. unit)	Less than 10% (None/close to none) of livestock/poultry	From 10% to 40% of livestock/poultry	From 40% to 60% of livestock/poultry	From 60% to 90% of livestock/poultry	From 90% to 100% of livestock/poultry
Pig	81.2	100	0	0	0	0
Chicken	316.4	100	0	0	0	0
Buffalo	-	0	15	21	56	8
Sheep	-	5	5	10	48	32
Goat	-	4	2	21	53	20
Horse	-	2	3	17	40	38
Mule	-	2	14	2	37	46
Rabbit	-	22	4	34	29	11
Other poultry	-	100	0	0	0	0

**Table 4.68. Distribution of holdings by share of crops and agro-industrial by-products, including concentrate, in the total used food for pig, by region  
2021**

	Number of holdings where pig is fed by holding, even partially (ths. unit)	of which, %				
		Less than 10% (None/close to none) of pig	From 10% to 40% of pig	From 40% to 60% of pig	From 60% to 90% of pig	From 90% to 100% of pig
<b>Georgia</b>	<b>81.2</b>	<b>10</b>	<b>16</b>	<b>23</b>	<b>38</b>	<b>13</b>
Tbilisi	0.2	-	-	-	-	-
Adjara AR	0.8	-	-	-	-	-
Guria	3.1	21	31	19	20	9
Imereti	26.0	5	13	25	49	8
Kakheti	10.3	12	10	17	42	19
Mtskheta-Mtianeti	2.3	17	22	22	21	19
Racha-Lechkhumiānd Kvemo Svaneti	1.8	8	5	18	39	30
Samegrelo-Zemo Svaneti	14.6	3	17	42	28	10
Samtskhe-Javakheti	11.2	14	7	11	43	25
Kvemo Kartli	3.0	24	16	27	15	18
Shida Kartli	7.9	21	38	10	27	4

**Table 4.69. Distribution of holdings by share of swill and household wastes in the total used food for pig, by region  
2021**

	Number of holdings where pig is fed by holding, even partially (ths. unit)	of which, %				
		Less than 10% (None/close to none) of pig	From 10% to 40% of pig	From 40% to 60% of pig	From 60% to 90% of pig	From 90% to 100% of pig
<b>Georgia</b>	<b>81.2</b>	<b>20</b>	<b>39</b>	<b>19</b>	<b>12</b>	<b>9</b>
Tbilisi	0.2	-	-	-	-	-
Adjara AR	0.8	-	-	-	-	-
Guria	3.1	13	28	13	26	21
Imereti	26.0	13	50	24	8	5
Kakheti	10.3	27	37	15	9	12
Mtskheta-Mtianeti	2.3	22	17	22	25	13
Racha-Lechkhumiānd Kvemo Svaneti	1.8	37	43	8	5	8
Samegrelo-Zemo Svaneti	14.6	14	49	25	10	3
Samtskhe-Javakheti	11.2	43	29	8	9	11
Kvemo Kartli	3.0	31	8	21	16	24
Shida Kartli	7.9	5	28	14	35	18

**Table 4.70. Distribution of holdings by share of crops and agro-industrial by-products, including concentrate, in the total used food for chicken, by region  
2021**

	Number of holdings where chicken is fed by holding, even partially (ths. unit)	of which, %				
		Less than 10% (None/close to none) of chicken	From 10% to 40% of chicken	From 40% to 60% of chicken	From 60% to 90% of chicken	From 90% to 100% of chicken
<b>Georgia</b>	<b>316.4</b>	<b>10</b>	<b>3</b>	<b>10</b>	<b>41</b>	<b>36</b>
Tbilisi	1.9	2	0	0	32	66
Adjara AR	10.1	18	3	23	22	33
Guria	18.6	9	7	21	43	20
Imereti	69.6	6	2	8	55	29
Kakheti	50.8	10	3	4	27	56
Mtskheta-Mtianeti	12.3	12	3	28	24	33
Racha-Lechkhumiānd Kvemo Svaneti	6.4	16	1	11	38	33
Samegrelo-Zemo Svaneti	52.9	5	6	13	51	25
Samtskhe-Javakheti	16.8	3	4	7	60	26
Kvemo Kartli	41.4	20	5	8	18	49
Shida Kartli	35.7	11	1	5	49	34

**Table 4.71. Distribution of holdings by share of swill and household wastes in the total used food for chicken, by region  
2021**

	Number of holdings where chicken is fed by holding, even partially (ths. unit)	of which, %				
		Less than 10% (None/close to none) of chicken	From 10% to 40% of chicken	From 40% to 60% of chicken	From 60% to 90% of chicken	From 90% to 100% of chicken
<b>Georgia</b>	<b>316.4</b>	<b>50</b>	<b>31</b>	<b>7</b>	<b>3</b>	<b>9</b>
Tbilisi	1.9	66	32	0	1	1
Adjara AR	10.1	40	18	23	1	18
Guria	18.6	39	39	7	7	8
Imereti	69.6	44	44	4	2	6
Kakheti	50.8	66	19	3	3	9
Mtskheta-Mtianeti	12.3	40	26	20	3	12
Racha-Lechkhumiānd Kvemo Svaneti	6.4	56	18	9	1	16
Samegrelo-Zemo Svaneti	52.9	41	41	9	3	5
Samtskhe-Javakheti	16.8	57	29	8	3	3
Kvemo Kartli	41.4	56	11	8	6	20
Shida Kartli	35.7	53	31	3	1	11

**Table 4.72. Distribution of holdings by share of crops and agro-industrial by-products, including concentrate, in the total used food for livestock/poultry, by region**  
**2021**

	Less than 10% (None/close to none) of livestock/poultry	From 10% to 40% of livestock/poultry	From 40% to 60% of livestock/poultry	From 60% to 90% of livestock/poultry	From 90% to 100% of livestock/poultry
Buffalo	40	58	2	0	0
Sheep	65	27	4	1	2
Goat	71	16	8	5	0
Horse	69	25	6	1	0
Mule	70	28	0	2	0
Rabbit	18	41	21	7	12
Other poultry	7	2	16	41	34

**Table 4.73. Distribution of holdings by share of swill and household wastes in the total used food for livestock/poultry, by region**  
**2021**

	Less than 10% (None/close to none) of livestock/poultry	From 10% to 40% of livestock/poultry	From 40% to 60% of livestock/poultry	From 60% to 90% of livestock/poultry	From 90% to 100% of livestock/poultry
Buffalo	53	47	1	0	0
Sheep	82	13	3	1	0
Goat	60	39	1	0	0
Horse	87	12	0	1	0
Mule	72	28	0	0	0
Rabbit	80	18	0	0	2
Other poultry	45	37	11	1	7

**Table 4.74. Distribution of food use for cattle by food types and region  
2021**

	Forages, including roughages	Crops and agro-industrial by-products	Swill and household wastes
<b>Georgia</b>	<b>71</b>	<b>15</b>	<b>13</b>
Tbilisi	73	15	12
Adjara AR	71	10	20
Guria	55	25	19
Imereti	67	18	14
Kakheti	72	18	10
Mtskheta-Mtianeti	84	10	6
Racha-Lechkhumi and Kvemo Svaneti	82	12	6
Samegrelo-Zemo Svaneti	63	20	17
Samtskhe-Javakheti	81	11	8
Kvemo Kartli	73	13	13
Shida Kartli	83	8	7

**Table 4.75. Distribution of food use for pig by food types and region  
2021**

	Forages, including roughages	Crops and agro-industrial by-products	Swill and household wastes
<b>Georgia</b>	<b>0</b>	<b>59</b>	<b>41</b>
Tbilisi	0	98	2
Adjara AR	0	61	39
Guria	0	50	50
Imereti	0	68	32
Kakheti	0	72	28
Mtskheta-Mtianeti	0	63	37
Racha-Lechkhumi and Kvemo Svaneti	0	79	21
Samegrelo-Zemo Svaneti	0	58	42
Samtskhe-Javakheti	0	62	38
Kvemo Kartli	0	46	54
Shida Kartli	0	45	55

**Table 4.76. Distribution of food use for chicken by food types and region  
2021**

	Forages, including roughages	Crops and agro-industrial by-products	Swill and household wastes
<b>Georgia</b>	<b>0</b>	<b>62</b>	<b>38</b>
Tbilisi	0	100	0
Adjara AR	0	61	39
Guria	0	70	30
Imereti	0	81	19
Kakheti	0	81	19
Mtskheta-Mtianeti	0	96	4
Racha-Lechkhumi and Kvemo Svaneti	0	78	22
Samegrelo-Zemo Svaneti	0	74	26
Samtskhe-Javakheti	0	88	12
Kvemo Kartli	0	40	60
Shida Kartli	0	97	3

**Table 4.77. Distribution of food use for livestock by food types, %  
2021**

	Forages, including roughages	Crops and agro-industrial by-products	Swill and household wastes
Buffalo	65	19	15
Sheep	69	22	8
Goat	67	24	9
Horse	82	12	6
Mule	81	10	9
Rabbit	36	59	5
Other poultry	0	76	24

**Table 4.78. Share of holdings reporting supplements or/and additives used for livestock, by livestock type and region  
2021**

	Cattle	Pig	Chicken	Buffalo	Sheep	Goat	Horse	Mule	Rabbit	Other poultry
<b>Georgia</b>	<b>4</b>	<b>7</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>7</b>
Tbilisi	0	0	0	-	-	-	-	-	-	-
Adjara AR	7	25	22	-	-	-	-	-	-	-
Guria	0	6	8	-	-	-	-	-	-	-
Imereti	3	4	7	-	-	-	-	-	-	-
Kakheti	1	22	12	-	-	-	-	-	-	-
Mtskheta-Mtianeti	2	0	4	-	-	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	6	3	8	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	6	3	15	-	-	-	-	-	-	-
Samtskhe-Javakheti	2	0	2	-	-	-	-	-	-	-
Kvemo Kartli	4	23	3	-	-	-	-	-	-	-
Shida Kartli	3	7	6	-	-	-	-	-	-	-

**Table 4.79. Methods of obtaining forages in holdings by region  
2021**

	Number of holdings used forages for feeding of livestock (ths. unit)	of which, %				
		Share of holdings with forages produced in holding	Share of holdings with forages obtained in common pasture	Share of holdings with purchased forages	Share of holdings with exchanged forages	Share of holdings with forages received for free
<b>Georgia</b>	<b>212.1</b>	<b>92</b>	<b>25</b>	<b>55</b>	<b>0</b>	<b>3</b>
Tbilisi	0.3	-	-	-	-	-
Adjara AR	17.1	94	30	86	0	1
Guria	13.5	95	41	85	0	2
Imereti	53.0	95	11	50	0	4
Kakheti	15.6	80	29	57	0	5
Mtskheta-Mtianeti	7.9	82	61	47	0	3
Racha-Lechkhumi and Kvemo Svaneti	4.5	98	25	44	0	8
Samegrelo-Zemo Svaneti	39.6	96	21	39	0	2
Samtskhe-Javakheti	16.9	100	47	58	0	1
Kvemo Kartli	25.0	78	25	71	0	2
Shida Kartli	18.6	96	23	38	0	8

**Table 4.80. Distribution of holdings with share of forages produced in the holding in the total forages that is used for feeding livestock/poultry by region  
2021**

	Number of holdings used forages produced in holding for feeding of livestock/poultry (ths. unit)	of which, %				
		Less than 10% of forages	From 10% to 40% of forages	From 40% to 60% of forages	From 60% to 90% of forages	From 90% to 100% of forages
<b>Georgia</b>	<b>194.8</b>	<b>4</b>	<b>17</b>	<b>19</b>	<b>21</b>	<b>38</b>
Tbilisi	0.2	-	-	-	-	-
Adjara AR	16.0	9	41	24	15	11
Guria	12.8	3	19	48	18	11
Imereti	50.2	1	8	18	28	45
Kakheti	12.4	2	25	22	15	37
Mtskheta-Mtianeti	6.5	20	24	13	15	28
Racha-Lechkhumi and Kvemo Svaneti	4.4	0	8	12	30	49
Samegrelo-Zemo Svaneti	38.0	2	11	12	22	53
Samtskhe-Javakheti	16.8	4	20	19	32	24
Kvemo Kartli	19.5	12	25	18	14	31
Shida Kartli	17.9	5	13	20	14	48

**Table 4.81. Distribution of holdings with share of forages, obtained on the common pasture, in the total forages that is used for feeding livestock/poultry by region**  
**2021**

	Number of holdings used forages obtained on common pasture for feeding of livestock/poultry (ths. unit)	of which, %				
		Less than 10% of forages	From 10% to 40% of forages	From 40% to 60% of forages	From 60% to 90% of forages	From 90% to 100% of forages
<b>Georgia</b>	<b>53.4</b>	<b>13</b>	<b>51</b>	<b>23</b>	<b>9</b>	<b>4</b>
Tbilisi	0.0	-	-	-	-	-
Adjara AR	5.0	16	55	24	5	0
Guria	5.6	30	54	11	5	1
Imereti	5.7	9	61	25	4	0
Kakheti	4.5	5	47	28	10	10
Mtskheta-Mtianeti	4.8	12	31	11	25	22
Racha-Lechkhumi and Kvemo Svaneti	1.1	11	80	8	0	0
Samegrelo-Zemo Svaneti	8.2	20	55	13	11	2
Samtskhe-Javakheti	8.0	6	50	36	8	0
Kvemo Kartli	6.2	16	44	22	15	3
Shida Kartli	4.2	3	47	47	2	1

**Table 4.82. Distribution of holdings with share of purchased forages in the total forages that is used for feeding livestock/poultry by region**  
**2021**

	Number of holdings used purchased forages for feeding of livestock/poultry (ths. unit)	of which, %				
		Less than 10% of forages	From 10% to 40% of forages	From 40% to 60% of forages	From 60% to 90% of forages	From 90% to 100% of forages
<b>Georgia</b>	<b>117.6</b>	<b>12</b>	<b>42</b>	<b>20</b>	<b>15</b>	<b>11</b>
Tbilisi	0.2	-	-	-	-	-
Adjara AR	14.6	5	39	24	25	7
Guria	11.4	16	54	16	11	4
Imereti	26.5	8	50	22	9	11
Kakheti	8.8	6	32	22	25	16
Mtskheta-Mtianeti	3.7	22	32	22	16	8
Racha-Lechkhumi and Kvemo Svaneti	2.0	31	49	10	5	4
Samegrelo-Zemo Svaneti	15.6	18	52	12	8	9
Samtskhe-Javakheti	9.8	26	55	15	3	1
Kvemo Kartli	17.8	12	21	19	24	25
Shida Kartli	7.0	6	29	38	19	8



**Table 4.83. Distribution of holdings with share of forages, received for free, in the total forages that is used for feeding livestock/poultry by region**  
**2021**

	Number of holdings used forages, received for free, for feeding of livestock/poultry (ths. unit)	of which, %				
		Less than 10% of forages	From 10% to 40% of forages	From 40% to 60% of forages	From 60% to 90% of forages	From 90% to 100% of forages
<b>Georgia</b>	<b>6.9</b>	<b>41</b>	<b>45</b>	<b>9</b>	<b>4</b>	<b>0</b>
Tbilisi	0.0	-	-	-	-	-
Adjara AR	0.3	-	-	-	-	-
Guria	0.2	-	-	-	-	-
Imereti	2.0	36	64	0	0	0
Kakheti	0.7	-	-	-	-	-
Mtskheta-Mtianeti	0.2	-	-	-	-	-
Racha-Lechkhumiānd Kvemo Svaneti	0.4	-	-	-	-	-
Samegrelo-Zemo Svaneti	1.0	45	55	0	0	0
Samtskhe-Javakheti	0.2	-	-	-	-	-
Kvemo Kartli	0.5	-	-	-	-	-
Shida Kartli	1.5	69	31	0	0	0

**Table 4.84. Methods of obtaining agro-industrial by-products in holdings by region**  
**2021**

	Number of holdings used agro-industrial by-products for feeding of livestock (ths. unit)	of which, %			
		Share of holdings with produced agro-industrial by-products on holding	Share of holdings with purchased agro-industrial by-products	Share of holdings with exchanged agro-industrial by-products	Share of holdings with agro-industrial by-products received for free
<b>Georgia</b>	<b>327.9</b>	<b>64</b>	<b>78</b>	<b>0</b>	<b>5</b>
Tbilisi	2.9	10	100	0	31
Adjara AR	16.9	55	63	1	1
Guria	19.9	72	88	0	1
Imereti	71.6	87	76	0	4
Kakheti	50.1	36	88	0	4
Mtskheta-Mtianeti	12.7	41	79	2	5
Racha-Lechkhumiānd Kvemo Svaneti	6.1	83	64	0	3
Samegrelo-Zemo Svaneti	54.9	72	68	0	6
Samtskhe-Javakheti	20.8	84	69	0	1
Kvemo Kartli	37.9	45	86	1	3
Shida Kartli	34.3	60	77	0	10

**Table 4.85. Distribution of holdings with share of agro-industrial by-products produced in the holding in the total agro-industrial by-products that is used for feeding livestock/poultry by region**  
**2021**

	Number of holdings used agro-industrial by-products produced in holding for feeding of livestock/poultry (ths. unit)	of which, %				
		Less than 10% of agro-industrial by-products	From 10% to 40% of agro-industrial by-products	From 40% to 60% of agro-industrial by-products	From 60% to 90% of agro-industrial by-products	From 90% to 100% of agro-industrial by-products
<b>Georgia</b>	<b>208.8</b>	<b>7</b>	<b>13</b>	<b>17</b>	<b>23</b>	<b>40</b>
Tbilisi	0.3	-	-	-	-	-
Adjara AR	9.2	5	13	11	5	65
Guria	14.3	2	12	33	33	20
Imereti	62.4	7	11	18	30	34
Kakheti	17.8	6	20	17	13	44
Mtskheta-Mtianeti	5.2	19	0	12	12	56
Racha-Lechkhumi and Kvemo Svaneti	5.0	12	10	18	19	41
Samegrelo-Zemo Svaneti	39.5	3	9	13	27	47
Samtskhe-Javakheti	17.4	5	8	17	31	39
Kvemo Kartli	17.2	14	23	19	8	35
Shida Kartli	20.4	8	17	12	17	46

**Table 4.86. Distribution of holdings with share of purchased agro-industrial by-products in the total agro-industrial by-products that is used for feeding livestock/poultry by region**  
**2021**

	Number of holdings used purchased agro-industrial by-products for feeding of livestock/poultry (ths. unit)	of which, %				
		Less than 10% of agro-industrial by-products	From 10% to 40% of agro-industrial by-products	From 40% to 60% of agro-industrial by-products	From 60% to 90% of agro-industrial by-products	From 90% to 100% of agro-industrial by-products
<b>Georgia</b>	<b>255.3</b>	<b>8</b>	<b>22</b>	<b>13</b>	<b>11</b>	<b>47</b>
Tbilisi	2.9	10	0	0	31	59
Adjara AR	10.7	0	8	11	7	73
Guria	17.5	8	45	10	8	30
Imereti	54.7	11	38	21	11	18
Kakheti	44.1	6	6	8	10	71
Mtskheta-Mtianeti	10.3	8	4	6	6	77
Racha-Lechkhumi and Kvemo Svaneti	3.9	2	31	15	20	32
Samegrelo-Zemo Svaneti	37.5	7	32	11	10	41
Samtskhe-Javakheti	14.4	12	34	18	8	28
Kvemo Kartli	32.9	5	4	10	14	68
Shida Kartli	26.6	10	13	14	13	50

**Table 4.87. Distribution of holdings with share of agro-industrial by-products, received for free, in the total agro-industrial by-products that is used for feeding livestock/poultry by region**  
**2021**

	Number of holdings used agro-industrial by-products, received for free, for feeding of livestock/poultry (ths. unit)	of which, %				
		Less than 10% of agro-industrial by-products	From 10% to 40% of agro-industrial by-products	From 40% to 60% of agro-industrial by-products	From 60% to 90% of agro-industrial by-products	From 90% to 100% of agro-industrial by-products
<b>Georgia</b>	<b>14.8</b>	<b>26</b>	<b>46</b>	<b>11</b>	<b>1</b>	<b>16</b>
Tbilisi	0.9	-	-	-	-	-
Adjara AR	0.2	-	-	-	-	-
Guria	0.3	-	-	-	-	-
Imereti	2.5	17	26	25	1	31
Kakheti	2.1	4	51	24	0	20
Mtskheta-Mtianeti	0.7	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.2	-	-	-	-	-
Samegrelo-Zemo Svaneti	3.4	50	36	10	4	0
Samtskhe-Javakheti	0.2	-	-	-	-	-
Kvemo Kartli	1.0	40	58	0	0	2
Shida Kartli	3.3	37	50	5	0	9

**Table 4.88. Distribution of holdings reporting swill and household wastes for feeding of chicken in holdings by region**  
**2021**

	Number of holdings used swill and household wastes for feeding of livestock (ths. unit)	of which, %			
		Share of holdings with remained swill and household wastes on holding	Share of holdings with purchased swill and household wastes	Share of holdings with exchanged swill and household wastes	Share of holdings with swill and household wastes received for free
<b>Georgia</b>	<b>291.3</b>	<b>90</b>	<b>48</b>	<b>0</b>	<b>3</b>
Tbilisi	0.8	-	-	-	-
Adjara AR	19.5	94	65	0	1
Guria	20.6	97	62	0	0
Imereti	72.0	95	31	0	4
Kakheti	31.3	86	40	0	2
Mtskheta-Mtianeti	11.8	91	46	0	10
Racha-Lechkhumi and Kvemo Svaneti	5.9	93	44	0	5
Samegrelo-Zemo Svaneti	50.8	90	54	0	6
Samtskhe-Javakheti	18.4	92	48	0	4
Kvemo Kartli	29.7	62	78	0	1
Shida Kartli	30.5	95	35	0	4

**Table 4.89. Distribution of holdings with share of swill and household wastes produced in the holding in the total agro-industrial by-products that is used for feeding livestock/poultry by region**  
**2021**

	Number of holdings used swill and household wastes produced in holding for feeding of livestock/poultry (ths. unit)	of which, %				
		Less than 10% of Swill and household wastes	From 10% to 40% of Swill and household wastes	From 40% to 60% of Swill and household wastes	From 60% to 90% of Swill and household wastes	From 90% to 100% of Swill and household wastes
<b>Georgia</b>	<b>260.9</b>	<b>7</b>	<b>12</b>	<b>13</b>	<b>11</b>	<b>57</b>
Tbilisi	0.6	-	-	-	-	-
Adjara AR	18.2	19	22	15	8	36
Guria	19.9	6	18	20	16	40
Imereti	68.4	6	8	8	8	70
Kakheti	26.9	7	6	8	10	69
Mtskheta-Mtianeti	10.8	15	9	9	8	60
Racha-Lechkhumi and Kvemo Svaneti	5.5	4	7	16	17	57
Samegrelo-Zemo Svaneti	45.9	11	16	11	11	51
Samtskhe-Javakheti	17.0	3	4	13	27	54
Kvemo Kartli	18.5	5	17	34	9	35
Shida Kartli	29.1	1	16	10	7	66

**Table 4.90. Distribution of holdings with share of purchased swill and household wastes in the total swill and household wastes that is used for feeding livestock/poultry by region**  
**2021**

	Number of holdings used purchased swill and household wastes for feeding of livestock/poultry (ths. unit)	of which, %				
		Less than 10% of swill and household wastes	From 10% to 40% of swill and household wastes	From 40% to 60% of swill and household wastes	From 60% to 90% of swill and household wastes	From 90% to 100% of swill and household wastes
<b>Georgia</b>	<b>138.7</b>	<b>5</b>	<b>23</b>	<b>21</b>	<b>26</b>	<b>25</b>
Tbilisi	0.3	-	-	-	-	-
Adjara AR	12.8	1	23	21	32	24
Guria	12.7	6	48	9	31	6
Imereti	22.2	4	20	26	30	20
Kakheti	12.6	5	22	15	21	37
Mtskheta-Mtianeti	5.5	9	19	7	46	19
Racha-Lechkhumi and Kvemo Svaneti	2.6	0	40	27	12	20
Samegrelo-Zemo Svaneti	27.5	4	24	18	32	22
Samtskhe-Javakheti	8.8	15	39	19	9	17
Kvemo Kartli	23.2	3	7	29	13	48
Shida Kartli	10.5	3	15	34	34	13

**Table 4.91. Distribution of holdings with share of swill and household wastes, received for free, in the total swill and household wastes that is used for feeding livestock/poultry by region**  
**2021**

	Number of holdings used swill and household wastes, received for free, for feeding of livestock/poultry (ths. unit)	of which, %				
		Less than 10% of swill and household wastes	From 10% to 40% of swill and household wastes	From 40% to 60% of swill and household wastes	From 60% to 90% of swill and household wastes	From 90% to 100% of swill and household wastes
<b>Georgia</b>	<b>10.2</b>	<b>50</b>	<b>32</b>	<b>8</b>	<b>3</b>	<b>7</b>
Tbilisi	0.0	-	-	-	-	-
Adjara AR	0.2	-	-	-	-	-
Guria	0.0	-	-	-	-	-
Imereti	2.9	25	45	8	1	20
Kakheti	0.5	-	-	-	-	-
Mtskheta-Mtianeti	1.2	98	1	0	0	0
Racha-Lechkhumi and Kvemo Svaneti	0.3	-	-	-	-	-
Samegrelo-Zemo Svaneti	2.8	67	21	7	5	0
Samtskhe-Javakheti	0.7	-	-	-	-	-
Kvemo Kartli	0.4	-	-	-	-	-
Shida Kartli	1.2	85	15	0	0	0

**Table 4.92. Number of holdings where cattle is fed on the land operated by holding by region (ths. unit)**  
**2021**

	holdings where cattle was fed by grazing, including scavenging, even partially	of which, holdings where cattle was fed by grazing, including scavenging, on the land operated by holding
<b>Georgia</b>	<b>202.8</b>	<b>144.0</b>
Tbilisi	0.4	0.3
Adjara AR	16.4	15.8
Guria	13.6	12.1
Imereti	51.5	40.7
Kakheti	13.1	8.1
Mtskheta-Mtianeti	7.4	4.4
Racha-Lechkhumi and Kvemo Svaneti	4.5	3.1
Samegrelo-Zemo Svaneti	39.4	32.3
Samtskhe-Javakheti	16.5	4.5
Kvemo Kartli	23.3	11.4
Shida Kartli	16.8	11.9

**Table 4.93. The area of land operated by holding where cattle was fed and distribution of holdings with land operated by holding on which cattle was fed, by region**  
**2021**

	The area of holding land where cattle was fed (ths. ha)	Number of holdings where cattle was fed with grazing, including scavenging, on the land operated by holding (ths. unit)	of which (distribution of holdings with land operated by holding on which cattle was fed), %				
			<0.1 ha	0.1-0.49 ha	0.5-0.99 ha	1-4.99 ha	≥5 ha
<b>Georgia</b>	<b>106.1</b>	<b>144.0</b>	<b>20</b>	<b>62</b>	<b>13</b>	<b>5</b>	<b>1</b>
Tbilisi	0.1	0.3	-	-	-	-	-
Adjara AR	6.0	15.8	13	69	11	7	0
Guria	3.3	12.1	2	89	8	2	0
Imereti	10.3	40.7	21	64	15	1	0
Kakheti	55.0	8.1	22	50	12	10	6
Mtskheta-Mtianeti	1.4	4.4	33	44	12	12	0
Racha-Lechkhumi and Kvemo Svaneti	1.3	3.1	51	47	1	0	0
Samegrelo-Zemo Svaneti	12.4	32.3	13	62	18	7	0
Samtskhe-Javakheti	4.7	4.5	42	45	8	5	0
Kvemo Kartli	7.7	11.4	33	51	6	9	1
Shida Kartli	3.9	11.9	24	59	11	5	0

**Table 4.94. Distribution of holdings in land operated by holding, with share of area of this land on that cattle was fed, by region**  
**2021**

	Number of holdngs where cattle was fed with grazing, including scavenging, on the land operated by holding (ths. unit)	of which, %			
		≤25%	26%-50%	50%-75%	76%-100%
<b>Georgia</b>	<b>144.0</b>	<b>41</b>	<b>34</b>	<b>15</b>	<b>11</b>
Tbilisi	0.3	-	-	-	-
Adjara AR	15.8	12	32	23	33
Guria	12.1	45	34	9	11
Imereti	40.7	39	42	15	3
Kakheti	8.1	57	21	11	12
Mtskheta-Mtianeti	4.4	38	23	24	15
Racha-Lechkhumi and Kvemo Svaneti	3.1	29	32	32	8
Samegrelo-Zemo Svaneti	32.3	43	36	14	7
Samtskhe-Javakheti	4.5	71	26	0	2
Kvemo Kartli	11.4	44	29	10	17
Shida Kartli	11.9	57	22	13	8

**Table 4.95. Number of cattle operated by holding that was fed with grazing, including scavenging, on the land operated by holding, by region (ths. unit)**  
**2021**

<b>Georgia</b>	<b>617.2</b>
Tbilisi	1.9
Adjara AR	69.0
Guria	39.3
Imereti	158.3
Kakheti	60.3
Mtskheta-Mtianeti	17.6
Racha-Lechkhumi and Kvemo Svaneti	8.3
Samegrelo-Zemo Svaneti	126.8
Samtskhe-Javakheti	21.5
Kvemo Kartli	86.7
Shida Kartli	27.6

**Table 4.96. Distribution of holdings with the number of cattle operated by holding and was fed with grazing, including scavenging, on the land operated by holding, by region**  
**2021**

	Number of holdings where cattle was fed with grazing, including scavenging, on the land operated by holding (ths. unit)	of which, %				
		1-2 cattle	3-5 cattle	6-11 cattle	12-20 cattle	more than 20 cattle
<b>Georgia</b>	<b>144.0</b>	<b>48</b>	<b>34</b>	<b>12</b>	<b>4</b>	<b>2</b>
Tbilisi	0.3	-	-	-	-	-
Adjara AR	15.8	46	31	17	6	1
Guria	12.1	53	35	11	0	1
Imereti	40.7	43	41	13	1	1
Kakheti	8.1	53	20	14	5	8
Mtskheta-Mtianeti	4.4	54	30	12	3	1
Racha-Lechkhumi and Kvemo Svaneti	3.1	70	25	3	1	0
Samegrelo-Zemo Svaneti	32.3	50	33	13	3	1
Samtskhe-Javakheti	4.5	47	31	14	7	2
Kvemo Kartli	11.4	26	36	13	22	3
Shida Kartli	11.9	64	34	2	0	0

**Table 4.97. Distribution of holding by number of month when cattle operated by holding was fed with grazing, including scavenging, on the land operated by holding by region**  
**2021**

	Number of holding where cattle was fed with grazing, including scavenging on the land operated by holding (ths. unit)	of which, %				
		1 to 3 months	4 to 6 months	7 to 9 months	10 to 12 months	Average number of months
<b>Georgia</b>	<b>144.0</b>	<b>21</b>	<b>35</b>	<b>29</b>	<b>14</b>	<b>6.2</b>
Tbilisi	0.3	-	-	-	-	-
Adjara AR	15.8	15	42	33	9	6.2
Guria	12.1	23	28	15	33	7
Imereti	40.7	18	30	46	6	6.3
Kakheti	8.1	22	35	7	36	7.1
Mtskheta-Mtianeti	4.4	40	12	25	22	6.1
Racha-Lechkhumi and Kvemo Svaneti	3.1	27	55	18	0	5.1
Samegrelo-Zemo Svaneti	32.3	13	46	22	19	6.7
Samtskhe-Javakheti	4.5	65	30	5	0	3.2
Kvemo Kartli	11.4	16	39	37	9	6.2
Shida Kartli	11.9	46	26	24	5	4.7



**Table 4.98. Number of holdings where pig is fed on the land operated by holding by region (ths. unit)**  
**2021**

	holdings where pig was fed by scavenging, even partially	of which, holdings where pig was fed scavenging, on the land operated by holding
<b>Georgia</b>	<b>38.5</b>	<b>25.4</b>
Tbilisi	0.0	0.0
Adjara AR	0.1	0.1
Guria	2.6	2.2
Imereti	13.8	9.5
Kakheti	1.7	1.7
Mtskheta-Mtianeti	1.0	0.8
Racha-Lechkhumi and Kvemo Svaneti	1.1	0.7
Samegrelo-Zemo Svaneti	13.9	7.2
Samtskhe-Javakheti	0.6	0.4
Kvemo Kartli	1.0	0.4
Shida Kartli	2.5	2.5

**Table 4.99. The area of holding land where pig was fed and distribution of holdings with land operated by holding on which pig was fed, by region**  
**2021**

	The area of holding land where pig was fed (ths. ha)	Number of holdings where pig was fed with scavenging, on the land operated by holding (ths. unit)	of which (distribution of holdings with land operated by holding on which pig was fed), %				
			<0.1 ha	0.1-0.49 ha	0.5-0.99 ha	1-4.99 ha	≥5 ha
<b>Georgia</b>	<b>4.5</b>	<b>25.4</b>	<b>45</b>	<b>45</b>	<b>8</b>	<b>2</b>	<b>0</b>
Tbilisi	0.0	0.0	-	-	-	-	-
Adjara AR	0.0	0.1	-	-	-	-	-
Guria	0.3	2.2	42	57	1	0	0
Imereti	1.1	9.5	49	47	4	0	0
Kakheti	0.5	1.7	42	53	4	0	1
Mtskheta-Mtianeti	0.0	0.8	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.1	0.7	-	-	-	-	-
Samegrelo-Zemo Svaneti	2.3	7.2	21	54	18	8	0
Samtskhe-Javakheti	0.1	0.4	-	-	-	-	-
Kvemo Kartli	0.0	0.4	-	-	-	-	-
Shida Kartli	0.1	2.5	80	20	0	0	0

**Table 4.100. Distribution of holdings in land operated by holding, with share of area of this land on that pig was fed, by region**  
**2021**

	Number of holdngs where pig was fed with scavenging, on the land operated by holding (ths. unit)	of which, %			
		≤25%	26%-50%	50%-75%	76%-100%
<b>Georgia</b>	<b>25.4</b>	<b>73</b>	<b>13</b>	<b>11</b>	<b>2</b>
Tbilisi	0.0	-	-	-	-
Adjara AR	0.1	-	-	-	-
Guria	2.2	77	15	8	0
Imereti	9.5	74	15	10	2
Kakheti	1.7	85	0	15	1
Mtskheta-Mtianeti	0.8	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.7	-	-	-	-
Samegrelo-Zemo Svaneti	7.2	57	19	20	3
Samtskhe-Javakheti	0.4	-	-	-	-
Kvemo Kartli	0.4	-	-	-	-
Shida Kartli	2.5	100	0	0	0

**Table 4.101. Number of pig operated by holding that was fed with scavenging, on the land operated by holding, by region (ths. unit)**  
**2021**

<b>Georgia</b>	<b>152.4</b>
Tbilisi	0.0
Adjara AR	1.2
Guria	7.8
Imereti	56.0
Kakheti	7.7
Mtskheta-Mtianeti	2.6
Racha-Lechkhumi and Kvemo Svaneti	1.2
Samegrelo-Zemo Svaneti	59.8
Samtskhe-Javakheti	3.6
Kvemo Kartli	5.8
Shida Kartli	6.8

**Table 4.102. Distribution of holdings with the number of pig operated by holding and was fed with scavenging, on the land operated by holding, by region**  
**2021**

	Number of holdings where pig was fed with scavenging, on the land operated by holding (ths. unit)	of which, %				
		1-2 pig	3-5 pig	6-11 pig	12-20 pig	more than 20 pigs
<b>Georgia</b>	<b>7.0</b>	<b>68</b>	<b>9</b>	<b>10</b>	<b>8</b>	<b>5</b>
Tbilisi	0.0	-	-	-	-	-
Adjara AR	0.1	-	-	-	-	-
Guria	2.2	71	8	14	5	1
Imereti	9.5	82	7	3	6	3
Kakheti	1.7	56	23	19	2	1
Mtskheta-Mtianeti	0.8	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.7	-	-	-	-	-
Samegrelo-Zemo Svaneti	7.2	48	9	17	17	10
Samtskhe-Javakheti	0.4	-	-	-	-	-
Kvemo Kartli	0.4	-	-	-	-	-
Shida Kartli	2.5	80	6	13	0	1

**Table 4.103. Distribution of holding by number of month when pig operated by holding was fed with scavenging on the land operated by holding by region**  
**2021**

	Number of holding where pig was fed with scavenging on the land operated by holding (ths. unit)	of which, %				
		1 to 3 months	4 to 6 months	7 to 9 months	10 to 12 months	Average number of months
<b>Georgia</b>	<b>25.4</b>	<b>3</b>	<b>12</b>	<b>25</b>	<b>61</b>	<b>9.8</b>
Tbilisi	0.0	-	-	-	-	-
Adjara AR	0.1	-	-	-	-	-
Guria	2.2	1	6	22	71	10.4
Imereti	9.5	1	4	46	49	9.6
Kakheti	1.7	8	17	6	69	9.8
Mtskheta-Mtianeti	0.8	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.7	-	-	-	-	-
Samegrelo-Zemo Svaneti	7.2	1	8	7	85	11.1
Samtskhe-Javakheti	0.4	-	-	-	-	-
Kvemo Kartli	0.4	-	-	-	-	-
Shida Kartli	2.5	8	12	30	51	8.9

**Table 4.104. Number of holdings where chicken is fed on the land operated by holding by region (ths. unit)**  
**2021**

	holdings where chicken was fed by scavenging, even partially	of which, holdings where pig was fed by scavenging, on the land operated by holding
<b>Georgia</b>	<b>261.0</b>	<b>258.4</b>
Tbilisi	1.8	1.8
Adjara AR	8.4	8.4
Guria	16.9	16.7
Imereti	62.4	62.4
Kakheti	36.5	36.5
Mtskheta-Mtianeti	11.0	10.5
Racha-Lechkhumi and Kvemo Svaneti	5.9	5.9
Samegrelo-Zemo Svaneti	51.9	51.4
Samtskhe-Javakheti	14.4	13.1
Kvemo Kartli	26.4	25.6
Shida Kartli	25.5	25.2

**Table 4.105. The area of holding land where chicken was fed and distribution of holdings with land operated by holding on which chicken was fed, by region**  
**2021**

	The area of holding land where chicken was fed (ths. ha)	Number of holdings where chicken was fed with scavenging, on the land operated by holding (ths. unit)	of which (distribution of holdings with land operated by holding on which chicken was fed), %				
			<0.1 ha	0.1-0.49 ha	0.5-0.99 ha	1-4.99 ha	≥5 ha
<b>Georgia</b>	<b>30.7</b>	<b>258.4</b>	<b>59</b>	<b>37</b>	<b>4</b>	<b>0</b>	<b>0</b>
Tbilisi	0.1	1.8	71	29	0	0	0
Adjara AR	1.8	8.4	40	49	11	0	0
Guria	2.3	16.7	40	57	2	1	0
Imereti	6.1	62.4	59	39	2	0	0
Kakheti	4.6	36.5	72	26	1	0	0
Mtskheta-Mtianeti	0.7	10.5	72	26	2	0	0
Racha-Lechkhumi and Kvemo Svaneti	0.2	5.9	95	5	0	0	0
Samegrelo-Zemo Svaneti	10.6	51.4	29	58	11	2	0
Samtskhe-Javakheti	0.9	13.1	74	26	0	0	0
Kvemo Kartli	1.6	25.6	77	23	0	0	0
Shida Kartli	1.9	25.2	77	22	1	0	0

**Table 4.106. Distribution of holdings in land operated by holding, with share of area of this land on that chicken was fed, by region  
2021**

	Number of holdngs where chicken was fed with scavenging, on the land operated by holding (ths. unit)	of which, %			
		≤25%	26%-50%	50%-75%	76%-100%
<b>Georgia</b>	<b>258.4</b>	<b>75</b>	<b>15</b>	<b>6</b>	<b>4</b>
Tbilisi	1.8	28	22	0	50
Adjara AR	8.4	40	28	18	14
Guria	16.7	78	14	5	3
Imereti	62.4	75	18	6	1
Kakheti	36.5	82	12	2	3
Mtskheta-Mtianeti	10.5	79	8	8	4
Racha-Lechkhumi and Kvemo Svaneti	5.9	72	19	4	4
Samegrelo-Zemo Svaneti	51.4	62	20	12	6
Samtskhe-Javakheti	13.1	93	3	3	1
Kvemo Kartli	25.6	81	14	4	1
Shida Kartli	25.2	85	10	4	2

**Table 4.107. Number of chicken operated by holding that was fed with scavenging, on the land operated by holding, by region (ths. unit)  
2021**

<b>Georgia</b>	<b>8 455.0</b>
Tbilisi	45.5
Adjara AR	124.8
Guria	411.7
Imereti	1 782.3
Kakheti	1 137.9
Mtskheta-Mtianeti	190.4
Racha-Lechkhumi and Kvemo Svaneti	73.7
Samegrelo-Zemo Svaneti	2 113.1
Samtskhe-Javakheti	266.5
Kvemo Kartli	539.0
Shida Kartli	1 770.0

**Table 4.108. Distribution of holdings with the number of chicken operated by holding and was fed with scavenging, on the land operated by holding, by region**  
**2021**

	Number of holdings where chicken was fed with scavenging, on the land operated by holding (ths. unit)	of which, %				
		1-2 chicken	3-5 chicken	6-11 chicken	12-20 chicken	more than 20 chickens
<b>Georgia</b>	<b>258.4</b>	<b>41</b>	<b>34</b>	<b>16</b>	<b>7</b>	<b>2</b>
Tbilisi	1.8	20	56	22	1	0
Adjara AR	8.4	54	43	2	0	0
Guria	16.7	38	40	16	5	0
Imereti	62.4	38	37	16	9	1
Kakheti	36.5	48	30	15	5	2
Mtskheta-Mtianeti	10.5	56	32	10	1	0
Racha-Lechkhumi and Kvemo Svaneti	5.9	73	22	4	0	0
Samegrelo-Zemo Svaneti	51.4	25	27	28	15	4
Samtskhe-Javakheti	13.1	54	35	7	4	1
Kvemo Kartli	25.6	47	37	12	3	0
Shida Kartli	25.2	46	38	11	4	1

**Table 4.109. Distribution of holding by number of month when chicken operated by holding was fed with scavenging on the land operated by holding by region**  
**2021**

	Number of holding where chicken was fed with scavenging on the land operated by holding (ths. unit)	of which, %				
		1 to 3 months	4 to 6 months	7 to 9 months	10 to 12 months	Average number of months
<b>Georgia</b>	<b>258.4</b>	<b>28</b>	<b>34</b>	<b>23</b>	<b>16</b>	<b>6.1</b>
Tbilisi	1.8	0	100	0	0	5.0
Adjara AR	8.4	0	100	0	0	5.0
Guria	16.7	7	24	3	66	9.4
Imereti	62.4	41	23	26	10	5.5
Kakheti	36.5	9	16	30	45	8.7
Mtskheta-Mtianeti	10.5	37	19	32	12	5.9
Racha-Lechkhumi and Kvemo Svaneti	5.9	31	32	32	5	5.8
Samegrelo-Zemo Svaneti	51.4	22	55	17	6	5.6
Samtskhe-Javakheti	13.1	49	1	0	50	6.8
Kvemo Kartli	25.6	64	0	23	12	4.4
Shida Kartli	25.2	10	45	44	1	5.9

**Table 4.110. Number of holdings where cattle was fed outside of the land operated by holding by region (ths. unit)**  
**2021**

	Number of holdings where cattle was fed grazing, including scavenging, even partially	Of which, number of holdings, where cattle was fed grazing, including scavenging outside of the land operated by holding
<b>Georgia</b>	<b>202.8</b>	<b>156.2</b>
Tbilisi	0.4	0.3
Adjara AR	16.4	5.1
Guria	13.6	11.3
Imereti	51.5	33.0
Kakheti	13.1	9.8
Mtskheta-Mtianeti	7.4	5.8
Racha-Lechkhumi and Kvemo Svaneti	4.5	3.7
Samegrelo-Zemo Svaneti	39.4	37.0
Samtskhe-Javakheti	16.5	16.5
Kvemo Kartli	23.3	19.1
Shida Kartli	16.8	15.4

**Table 4.111. Number of cattle operated by holding which was fed grazing, including scavenging outside of the land operated by holding by region (ths. unit)**  
**2021**

<b>Georgia</b>	<b>838.6</b>
Tbilisi	1.0
Adjara AR	37.7
Guria	30.6
Imereti	134.0
Kakheti	57.2
Mtskheta-Mtianeti	28.5
Racha-Lechkhumi and Kvemo Svaneti	10.8
Samegrelo-Zemo Svaneti	172.0
Samtskhe-Javakheti	154.3
Kvemo Kartli	169.9
Shida Kartli	42.7

**Table 4.112. Distribution of holdings with the number of cattles operated by holding which were fed grazing, including scavenging outside of the land operated by holding by region**  
**2021**

	Number of holding where cattle was fed with grazing, including scavenging outside of the land operated by holding (ths. unit)	of which, %				
		1-2 cattles	3-5 cattles	6-11 cattles	12-20 cattles	more than 20 cattles
<b>Georgia</b>	<b>156.2</b>	<b>67</b>	<b>35</b>	<b>18</b>	<b>6</b>	<b>3</b>
Tbilisi	0.3	-	-	-	-	-
Adjara AR	5.1	28	30	20	18	3
Guria	11.3	61	32	7	1	0
Imereti	33.0	34	45	19	2	0
Kakheti	9.8	48	28	14	4	6
Mtskheta-Mtianeti	5.8	52	26	11	7	4
Racha-Lechkhumi and Kvemo Svaneti	3.7	50	47	1	1	1
Samegrelo-Zemo Svaneti	37.0	42	33	20	3	2
Samtskhe-Javakheti	16.5	12	36	29	14	8
Kvemo Kartli	19.1	15	38	24	15	8
Shida Kartli	15.4	66	25	7	1	1

**Table 4.113. Distribution of holdings by number of months when cattle operated by holding, was fed grazing, including scavenging on the land operated by holding by region**  
**2021**

	Number of holdings where cattle was fed grazing, including scavenging on the land operated by holding (ths. unit)	of which, %				
		1 to 3 months	4 to 6 months	7 to 9 months	10 to 12 months	Average number of months
<b>Georgia</b>	<b>156.2</b>	<b>4</b>	<b>25</b>	<b>39</b>	<b>32</b>	<b>8.1</b>
Tbilisi	0.3	-	-	-	-	-
Adjara AR	5.1	22	45	8	25	6.3
Guria	11.3	4	36	29	32	7.9
Imereti	33.0	10	18	48	25	7.8
Kakheti	9.8	3	12	29	56	9.4
Mtskheta-Mtianeti	5.8	2	32	56	10	7.1
Racha-Lechkhumi and Kvemo Svaneti	3.7	5	43	44	8	7.1
Samegrelo-Zemo Svaneti	37.0	2	7	20	70	10.3
Samtskhe-Javakheti	16.5	1	56	43	1	6.5
Kvemo Kartli	19.1	2	39	45	15	7.0
Shida Kartli	15.4	0	23	70	6	7.4



**Table 4.114. Number of holdings where pig was fed outside of the land operated by holding by region (ths. unit)**  
**2021**

	Number of holdings where pig was fed with scavenging, even partially	Of which, number of holdings, where pig was fed with scavenging outside of the land operated by holding
<b>Georgia</b>	<b>38.5</b>	<b>26.2</b>
Tbilisi	0.0	0.0
Adjara AR	0.1	0.0
Guria	2.6	1.4
Imereti	13.8	9.2
Kakheti	1.7	0.2
Mtskheta-Mtianeti	1.0	0.3
Racha-Lechkhumi and Kvemo Svaneti	1.1	1.0
Samegrelo-Zemo Svaneti	13.9	12.8
Samtskhe-Javakheti	0.6	0.4
Kvemo Kartli	1.0	0.7
Shida Kartli	2.5	0.2

**Table 4.115. Number of pig operated by holding which was fed scavenging outside of the land operated by holding by region (ths. unit)**  
**2021**

<b>Georgia</b>	<b>104.8</b>
Tbilisi	0.0
Adjara AR	0.0
Guria	3.9
Imereti	25.4
Kakheti	0.4
Mtskheta-Mtianeti	1.6
Racha-Lechkhumi and Kvemo Svaneti	2.7
Samegrelo-Zemo Svaneti	67.2
Samtskhe-Javakheti	0.4
Kvemo Kartli	2.8
Shida Kartli	0.6

**Table 4.116. Distribution of holdings with the number of pigs operated by holding which were fed with scavenging outside of the land operated by holding by region**  
**2021**

	Number of holding where pig was fed with scavenging outside of the land operated by holding (ths. unit)	of which, %				
		1-2 pigs	3-5 pigs	6-11 pigs	12-20 pigs	more than 20 pigs
<b>Georgia</b>	<b>26.2</b>	<b>79</b>	<b>10</b>	<b>12</b>	<b>7</b>	<b>2</b>
Tbilisi	0.0	-	-	-	-	-
Adjara AR	0.0	-	-	-	-	-
Guria	1.4	81	4	13	0	2
Imereti	9.2	79	10	5	5	0
Kakheti	0.2	-	-	-	-	-
Mtskheta-Mtianeti	0.3	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	1.0	71	13	14	1	0
Samegrelo-Zemo Svaneti	12.8	59	11	17	9	4
Samtskhe-Javakheti	0.4	-	-	-	-	-
Kvemo Kartli	0.7	-	-	-	-	-
Shida Kartli	0.2	-	-	-	-	-

**Table 4.117. Distribution of holdings by number of months when pig operated by holding, was fed with scavenging on the land operated by holding by region**  
**2021**

	Number of holdings where pig was fed grazing, including scavenging on the land operated by holding (ths. unit)	of which, %				
		1 to 3 months	4 to 6 months	7 to 9 months	10 to 12 months	Average number of months
<b>Georgia</b>	<b>26.2</b>	<b>12</b>	<b>22</b>	<b>35</b>	<b>32</b>	<b>8.0</b>
Tbilisi	0.0	-	-	-	-	-
Adjara AR	0.0	-	-	-	-	-
Guria	1.4	2	19	54	25	8.3
Imereti	9.2	16	22	45	17	7.3
Kakheti	0.2	-	-	-	-	-
Mtskheta-Mtianeti	0.3	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	1.0	10	32	48	11	6.9
Samegrelo-Zemo Svaneti	12.8	9	17	25	49	8.8
Samtskhe-Javakheti	0.4	-	-	-	-	-
Kvemo Kartli	0.7	-	-	-	-	-
Shida Kartli	0.2	-	-	-	-	-

**Table 4.118. Number of holdings where chicken was fed outside of the land operated by holding by region (ths. unit)**  
**2021**

	Number of holdings where chicken was fed with scavenging, even partially	Of which, number of holdings, where chicken was fed with scavenging outside of the land operated by holding
<b>Georgia</b>	<b>261.0</b>	<b>20.9</b>
Tbilisi	1.8	0.0
Adjara AR	8.4	0.3
Guria	16.9	0.8
Imereti	62.4	3.7
Kakheti	36.5	0.7
Mtskheta-Mtianeti	11.0	0.9
Racha-Lechkhumi and Kvemo Svaneti	5.9	1.8
Samegrelo-Zemo Svaneti	51.9	2.1
Samtskhe-Javakheti	14.4	4.9
Kvemo Kartli	26.4	2.9
Shida Kartli	25.5	2.0

**Table 4.119. Number of chicken operated by holding which was fed scavenging outside of the land operated by holding by region (ths. unit)**  
**2021**

<b>Georgia</b>	<b>361.2</b>
Tbilisi	0.0
Adjara AR	1.9
Guria	13.2
Imereti	78.1
Kakheti	12.8
Mtskheta-Mtianeti	16.4
Racha-Lechkhumi and Kvemo Svaneti	16.0
Samegrelo-Zemo Svaneti	33.8
Samtskhe-Javakheti	100.4
Kvemo Kartli	48.1
Shida Kartli	40.6

**Table 4.120. Distribution of holdings with the number of chickens operated by holding which were fed with scavenging outside of the land operated by holding by region**  
**2021**

	Number of holding where chicken was fed with scavenging outside of the land operated by holding (ths. unit)	of which, %				
		1-2 chickens	3-5 chickens	6-11 chickens	12-20 chickens	more than 20 chickens
<b>Georgia</b>	<b>20.9</b>	<b>63</b>	<b>27</b>	<b>8</b>	<b>4</b>	<b>0</b>
Tbilisi	0.0	-	-	-	-	-
Adjara AR	0.3	-	-	-	-	-
Guria	0.8	-	-	-	-	-
Imereti	3.7	62	22	5	10	1
Kakheti	0.7	-	-	-	-	-
Mtskheta-Mtianeti	0.9	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	1.8	86	14	0	0	0
Samegrelo-Zemo Svaneti	2.1	65	21	15	0	0
Samtskhe-Javakheti	4.9	51	38	3	8	0
Kvemo Kartli	2.9	64	26	10	0	0
Shida Kartli	2.0	57	26	14	3	0

**Table 4.121. Distribution of holdings by number of months when chicken operated by holding, was fed with scavenging on the land operated by holding by region**  
**2021**

	Number of holdings where chicken was fed grazing, including scavenging on the land operated by holding (ths. unit)	of which, %				
		1 to 3 months	4 to 6 months	7 to 9 months	10 to 12 months	Average number of months
<b>Georgia</b>	<b>20.9</b>	<b>25</b>	<b>24</b>	<b>28</b>	<b>24</b>	<b>6.5</b>
Tbilisi	0.0	-	-	-	-	-
Adjara AR	0.3	-	-	-	-	-
Guria	0.8	22	67	4	7	4.9
Imereti	3.7	27	31	6	37	6.6
Kakheti	0.7	-	-	-	-	-
Mtskheta-Mtianeti	0.9	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	1.8	61	18	10	11	4.4
Samegrelo-Zemo Svaneti	2.1	28	14	13	45	7.8
Samtskhe-Javakheti	4.9	15	21	54	10	6.6
Kvemo Kartli	2.9	9	28	22	40	7.2
Shida Kartli	2.0	33	1	57	8	5.9

**Table 4.122. Feeding livestock with forages by region  
2021**

	Index of livestock which were fed by forages** (ths. unit)	of which, %		
		Livestock that were feeding by holding, even partially	of which, %	
			Livestock that were feeding by holding with forages	Livestock that were feeding by holding with purchased forages
<b>Georgia</b>	<b>1 286.9</b>	<b>99</b>	<b>99</b>	<b>64</b>
Tbilisi	3.1	100	93	89
Adjara AR	62.4	100	100	89
Guria	39.2	100	100	86
Imereti	194.2	100	100	52
Kakheti	250.8	96	98	69
Mtskheta-Mtianeti	53.1	96	99	56
Racha-Lechkhumi and Kvemo Svaneti	15.1	100	100	54
Samegrelo-Zemo Svaneti	204.1	99	99	44
Samtskhe-Javakheti	153.6	100	100	71
Kvemo Kartli	240.3	99	98	80
Shida Kartli	70.9	100	100	45

\*\*Arithmetic average of four quarters livestock index (cattle, buffalo, sheep, goat, horse, mule)

**Table 4.123. Feeding livestock with purchased forages, by forages type and by region  
2021**

	Number of holdings which operated livestock that were feeding with forages (ths. unit)	Number of holdings which used forages for feeding livestock (ths. unit)	of which, %					
			of which, share of holdings which have used purchased forages, %					
			Any of forage	Hay	Wrapped grass	Grass or hay silage	Maize straw (grain)	Maize silage
<b>Georgia</b>	<b>211.6</b>	<b>208.3</b>	<b>56</b>	<b>50</b>	<b>0</b>	<b>1</b>	<b>14</b>	<b>0</b>
Tbilisi	0.4	0.3	-	-	-	-	-	-
Adjara AR	17.0	16.9	85	85	0	0	18	0
Guria	13.6	13.5	85	84	0	0	8	0
Imereti	52.8	51.9	51	35	0	0	26	0
Kakheti	15.8	14.9	56	54	0	2	10	0
Mtskheta-Mtianeti	7.7	7.7	48	48	0	0	5	0
Racha-Lechkhumi and Kvemo Svaneti	4.6	4.5	44	38	4	0	7	0
Samegrelo-Zemo Svaneti	39.7	39.3	39	33	0	0	10	1
Samtskhe-Javakheti	16.9	16.9	58	58	1	5	10	1
Kvemo Kartli	25.6	25.0	71	70	0	1	9	1
Shida Kartli	17.6	17.3	39	39	0	0	4	0

**Table 4.124. The use of purchased forages by region  
2021**

	Number of holdings that used purchased forages for feeding livestock (ths. unit)	The amount of purchased forages (ths. tons)	The average amount of purchased forages by holding (tons)	The average amount of purchased forages for livestock index (tons)	The average amount of purchased forages for adjusted livestock index* (tons)
Any of purchased fourage					
<b>Georgia</b>	<b>116.6</b>	<b>220.4</b>	<b>1.9</b>	<b>0.2</b>	<b>1.5</b>
Tbilisi	0.2	-	-	-	-
Adjara AR	14.4	15.2	1.1	0.2	-
Guria	11.4	4.2	0.4	0.1	-
Imereti	26.5	14.4	0.5	0.1	-
Kakheti	8.4	24.0	2.9	0.2	-
Mtskheta-Mtianeti	3.7	3.0	0.8	0.1	-
Racha-Lechkhumi and Kvemo Svaneti	2.1	0.7	0.3	0.1	-
Samegrelo-Zemo Svaneti	15.3	7.3	0.5	0.1	-
Samtskhe-Javakheti	9.9	47.2	4.8	0.3	-
Kvemo Kartli	17.8	93.4	5.2	0.4	-
Shida Kartli	6.8	10.6	1.5	0.3	-
Hay					
<b>Georgia</b>	<b>104.7</b>	<b>190.2</b>	<b>1.8</b>	<b>0.2</b>	<b>1.3</b>
Tbilisi	0.2	-	-	-	-
Adjara AR	14.3	14.3	1.0	0.2	-
Guria	11.3	3.9	0.3	0.1	-
Imereti	18.2	7.0	0.4	0.1	-
Kakheti	8.1	18.7	2.3	0.1	-
Mtskheta-Mtianeti	3.7	2.6	0.7	0.1	-
Racha-Lechkhumi and Kvemo Svaneti	1.7	0.5	0.3	0.1	-
Samegrelo-Zemo Svaneti	12.9	4.6	0.4	0.0	-
Samtskhe-Javakheti	9.8	43.7	4.5	0.3	-
Kvemo Kartli	17.6	84.3	4.8	0.4	-
Shida Kartli	6.8	10.3	1.5	0.3	-
Maize straw (grain)					
<b>Georgia</b>	<b>28.3</b>	<b>20.6</b>	<b>0.7</b>	<b>0.1</b>	<b>0.1</b>
Tbilisi	0.0	-	-	-	-
Adjara AR	3.0	0.9	0.3	0.1	-
Guria	1.1	0.3	0.3	0.1	-
Imereti	13.5	6.9	0.5	0.1	-
Kakheti	1.5	2.2	1.5	0.1	-
Mtskheta-Mtianeti	0.4	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.3	-	-	-	-
Samegrelo-Zemo Svaneti	3.7	2.5	0.7	0.1	-
Samtskhe-Javakheti	1.7	1.0	0.6	0.0	-
Kvemo Kartli	2.3	6.0	2.6	0.1	-
Shida Kartli	0.7	-	-	-	-

Definition of adjusted livestock index\* is given in "Definitions and Explanations"

**Table 4.125. Share of holdings that was used purchased food for feeding livestock by type of food and region  
2021**

	Number of holdings that used purchased food for feeding livestock (ths. unit)	of which, %		
		Forages	Crops and agro- industrial by- products	Swill and household wastes
<b>Georgia</b>	<b>320.6</b>	<b>37</b>	<b>79</b>	<b>43</b>
Tbilisi	2.9	8	96	10
Adjara AR	20.3	72	53	63
Guria	20.6	56	85	62
Imereti	63.2	42	87	35
Kakheti	50.8	17	87	25
Mtskheta-Mtianeti	11.9	31	85	46
Racha-Lechkhumi and Kvemo Svaneti	5.7	35	68	46
Samegrelo-Zemo Svaneti	50.4	31	74	55
Samtskhe-Javakheti	16.8	59	86	53
Kvemo Kartli	45.7	39	71	51
Shida Kartli	32.5	22	82	32

**Table 4.126. Use of purchased food for feeding livestock by month and region  
2021**

	Number of holdings that used purchased food for feeding livestock (ths. unit)	of which, %											
		January	February	March	April	May	June	July	August	September	October	November	December
<b>Georgia</b>	<b>320.6</b>	<b>86</b>	<b>89</b>	<b>85</b>	<b>73</b>	<b>51</b>	<b>58</b>	<b>57</b>	<b>57</b>	<b>57</b>	<b>60</b>	<b>72</b>	<b>79</b>
Tbilisi	2.9	100	100	100	96	86	93	93	66	66	100	96	96
Adjara AR	20.3	88	89	81	75	54	51	50	51	55	58	81	87
Guria	20.6	82	82	77	55	36	43	45	47	36	33	47	74
Imereti	63.2	75	82	82	65	33	46	48	46	44	41	51	61
Kakheti	50.8	94	95	96	85	69	76	71	73	72	71	81	86
Mtskheta-Mtianeti	11.9	90	93	95	86	62	76	76	76	71	72	83	83
Racha-Lechkhumi and Kvemo Svaneti	5.7	65	75	81	80	45	54	54	55	51	46	54	59
Samegrelo-Zemo Svaneti	50.4	90	94	91	74	52	60	59	58	61	69	81	87
Samtskhe-Javakheti	16.8	69	77	70	62	39	47	45	44	44	50	54	60
Kvemo Kartli	45.7	96	95	81	70	54	54	54	54	57	68	88	93
Shida Kartli	32.5	84	88	86	78	60	67	65	63	67	70	79	84

**Table 4.127. Average number of month when purchased food was used for feeding livestock by holding, by region  
2021**

	Average number in year	Average number in cold seasons (from november till april)	Average number in warm seasons (from may till october)	Average number in winter	Average number in Spring	Average number in Summer	Average number in Autumn
<b>Georgia</b>	<b>8.2</b>	<b>4.8</b>	<b>3.4</b>	<b>2.5</b>	<b>2.1</b>	<b>1.7</b>	<b>1.9</b>
Tbilisi	10.9	5.9	5.0	3.0	2.8	2.5	2.6
Adjara AR	8.2	5.0	3.2	2.6	2.1	1.5	1.9
Guria	6.6	4.2	2.4	2.4	1.7	1.4	1.2
Imereti	6.7	4.2	2.6	2.2	1.8	1.4	1.4
Kakheti	9.7	5.4	4.3	2.7	2.5	2.2	2.2
Mtskheta-Mtianeti	9.6	5.3	4.3	2.7	2.4	2.3	2.3
Racha-Lechkhumi and Kvemo Svaneti	7.2	4.1	3.1	2.0	2.1	1.6	1.5
Samegrelo-Zemo Svaneti	8.8	5.2	3.6	2.7	2.2	1.8	2.1
Samtskhe-Javakheti	6.6	3.9	2.7	2.1	1.7	1.4	1.5
Kvemo Kartli	8.6	5.2	3.4	2.8	2.0	1.6	2.1
Shida Kartli	8.9	5.0	3.9	2.6	2.2	2.0	2.2

**Table 4.128. Average number of month when purchased forages were used for feeding livestock by holding, by  
region  
2021**

	Average number in year	Average number in cold seasons (from november till april)	Average number in warm seasons (from may till october)	Average number in winter	Average number in Spring	Average number in Summer	Average number in Autumn
<b>Georgia</b>	<b>6.1</b>	<b>4.4</b>	<b>1.7</b>	<b>2.4</b>	<b>1.6</b>	<b>0.9</b>	<b>1.2</b>
Tbilisi	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adjara AR	5.7	4.5	1.1	2.8	0.9	0.5	1.5
Guria	6.8	5.3	1.5	3.0	1.9	0.9	1.0
Imereti	3.4	3.0	0.4	1.7	1.3	0.2	0.2
Kakheti	6.6	4.7	1.9	2.7	1.5	1.1	1.2
Mtskheta-Mtianeti	7.3	4.7	2.6	2.3	1.8	1.5	1.6
Racha-Lechkhumi and Kvemo Svaneti	7.1	3.2	4.0	1.6	1.6	2.5	1.4
Samegrelo-Zemo Svaneti	6.5	4.9	1.5	2.8	1.7	0.7	1.2
Samtskhe-Javakheti	9.4	5.4	4.0	2.6	2.0	2.3	2.5
Kvemo Kartli	8.1	5.3	2.8	2.7	2.3	1.1	1.9
Shida Kartli	5.4	4.1	1.3	2.2	1.7	0.6	0.8



**Table 4.129. Average number of month when purchased agro-industrial by-products were used for feeding livestock  
by holding, by region  
2021**

	Average number in year	Average number in cold seasons (from november till april)	Average number in warm seasons (from may till october)	Average number in winter	Average number in Spring	Average number in Summer	Average number in Autumn
<b>Georgia</b>	<b>10.1</b>	<b>5.4</b>	<b>4.7</b>	<b>2.8</b>	<b>2.5</b>	<b>2.4</b>	<b>2.5</b>
Tbilisi	11.1	5.9	5.2	3.0	2.9	2.6	2.6
Adjara AR	11.1	5.5	5.6	2.7	2.9	2.9	2.6
Guria	10.3	5.0	5.3	2.3	2.6	2.9	2.5
Imereti	8.5	4.8	3.7	2.5	1.9	2.1	2.0
Kakheti	10.6	5.6	5.0	2.8	2.7	2.6	2.5
Mtskheta-Mtianeti	10.9	5.7	5.2	2.8	2.6	2.8	2.7
Racha-Lechkhumi and Kvemo Svaneti	9.6	5.2	4.4	2.7	2.2	2.2	2.4
Samegrelo-Zemo Svaneti	10.4	5.7	4.7	2.9	2.5	2.4	2.6
Samtskhe-Javakheti	8.6	4.5	4.1	2.0	2.5	2.3	1.8
Kvemo Kartli	10.9	5.8	5.2	3.0	2.6	2.6	2.7
Shida Kartli	10.6	5.6	4.9	2.8	2.6	2.5	2.7

**Table 4.130. Main source of water for cattle by season and by region  
2021**

	Number of holdings operating cattle (ths. unit)	of which, %	
		Share of holdings reporting same main source of water for all seasons	Share of holdings reporting different main source of water by seasons
<b>Georgia</b>	<b>207.0</b>	<b>80</b>	<b>20</b>
Tbilisi	0.4	-	-
Adjara AR	17.0	90	10
Guria	13.6	80	20
Imereti	52.1	84	16
Kakheti	13.9	82	18
Mtskheta-Mtianeti	7.5	83	17
Racha-Lechkhumiānd Kvemo Svaneti	4.5	89	11
Samegrelo-Zemo Svaneti	39.5	89	11
Samtskhe-Javakheti	16.6	55	45
Kvemo Kartli	24.6	81	19
Shida Kartli	17.3	55	45

The share is calculated from holdings that have livestock in all seasons

"-" Data is not available due to small sample size of the survey

**Table 4.131. Main source of water for pig by season and by region  
2021**

	Number of holdings operating pig (ths. unit)	of which, %	
		Share of holdings reporting same main source of water for all seasons	Share of holdings reporting different main source of water by seasons
<b>Georgia</b>	<b>81.6</b>	<b>91</b>	<b>9</b>
Tbilisi	0.2	-	-
Adjara AR	0.8	-	-
Guria	3.2	90	10
Imereti	26.0	84	16
Kakheti	10.6	97	3
Mtskheta-Mtianeti	2.3	98	2
Racha-Lechkhumiānd Kvemo Svaneti	1.8	98	2
Samegrelo-Zemo Svaneti	14.6	91	9
Samtskhe-Javakheti	11.2	94	6
Kvemo Kartli	3.0	92	8
Shida Kartli	7.9	97	3

The share is calculated from holdings that have pig in all seasons

"-" Data is not available due to small sample size of the survey

**Table 4.132. Main source of water for chicken by season and by region  
2021**

	Number of holdings operating chicken (ths. unit)	of which, %	
		Share of holdings reporting same main source of water for all seasons	Share of holdings reporting different main source of water by seasons
<b>Georgia</b>	<b>319.6</b>	<b>95</b>	<b>5</b>
Tbilisi	1.9	100	0
Adjara AR	10.1	100	0
Guria	18.6	95	5
Imereti	69.8	93	7
Kakheti	53.6	99	1
Mtskheta-Mtianeti	12.3	98	2
Racha-Lechkhumi and Kvemo Svaneti	6.4	93	7
Samegrelo-Zemo Svaneti	53.0	94	6
Samtskhe-Javakheti	16.8	95	5
Kvemo Kartli	41.4	94	6
Shida Kartli	35.7	97	3

The share is calculated from holdings that have chicken in all seasons

"-" Data is not available due to small sample size of the survey

**Table 4.133. Main source of water for livestock and poultry by season, %  
2021**

	Share of holdings reporting same main source of water for all seasons	Share of holdings reporting different main source of water by seasons
Buffalo	93	7
Sheep	75	25
Goat	89	11
Horse	85	15
Mule	63	37
Rabbit	99	1
Other poultry	97	3

**Table 4.134. Main source of water for cattle during warm season, by region  
2021**

	Number of holdings operating cattle during warm season (ths. unit)	main source of water, %						
		Central water system	Borehole	Well	Dam or lake	River, spring or stream	Rainwater harvesting	Other
<b>Georgia</b>	<b>205.9</b>	<b>18</b>	<b>2</b>	<b>22</b>	<b>1</b>	<b>56</b>	<b>1</b>	<b>0</b>
Tbilisi	0.4	-	-	-	-	-	-	-
Adjara AR	17.0	21	1	2	0	75	1	0
Guria	13.6	8	0	62	0	29	1	0
Imereti	52.1	22	1	41	0	35	2	0
Kakheti	13.9	38	4	12	1	44	1	0
Mtskheta-Mtianeti	7.5	31	12	9	0	48	0	0
Racha-Lechkhumi and Kvemo Svaneti	4.5	10	0	7	0	83	0	0
Samegrelo-Zemo Svaneti	39.3	4	2	23	1	70	0	0
Samtskhe-Javakheti	16.5	15	0	0	2	82	1	0
Kvemo Kartli	23.9	26	0	8	6	60	0	0
Shida Kartli	17.1	17	6	17	0	61	0	0

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 4.135. Main source of water for pig during warm season, by region  
2021**

	Number of holdings operating pig during warm season (ths. unit)	main source of water, %						
		Central water system	Borehole	Well	Dam or lake	River, spring or stream	Rainwater harvesting	Other
<b>Georgia</b>	<b>80.2</b>	<b>38</b>	<b>3</b>	<b>29</b>	<b>1</b>	<b>26</b>	<b>2</b>	<b>1</b>
Tbilisi	0.2	-	-	-	-	-	-	-
Adjara AR	0.8	-	-	-	-	-	-	-
Guria	3.2	0	4	67	0	29	0	0
Imereti	25.6	17	1	52	0	25	6	0
Kakheti	10.6	64	6	16	1	7	0	6
Mtskheta-Mtianeti	2.3	54	19	19	0	3	3	3
Racha-Lechkhumi and Kvemo Svaneti	1.7	37	0	19	0	44	0	0
Samegrelo-Zemo Svaneti	14.1	14	0	22	5	56	3	0
Samtskhe-Javakheti	11.2	83	0	0	0	16	0	2
Kvemo Kartli	3.0	71	0	4	3	21	0	0
Shida Kartli	7.5	48	14	27	0	10	0	0

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 4.136. Main source of water for chicken during warm season, by region  
2021**

	Number of holdings operating chicken during warm season (ths. unit)	main source of water, %						
		Central water system	Borehole	Well	Dam or lake	River, spring or stream	Rainwater harvesting	Other
<b>Georgia</b>	<b>318.6</b>	<b>48</b>	<b>4</b>	<b>31</b>	<b>0</b>	<b>14</b>	<b>2</b>	<b>0</b>
Tbilisi	1.9	94	0	0	0	0	6	0
Adjara AR	10.1	32	0	9	0	59	0	0
Guria	18.6	7	1	79	1	8	3	1
Imereti	69.8	33	1	48	1	13	4	0
Kakheti	52.9	70	13	11	0	3	2	1
Mtskheta-Mtianeti	12.3	62	7	19	0	9	1	1
Racha-Lechkhumi and Kvemo Svaneti	6.4	47	0	5	0	42	6	0
Samegrelo-Zemo Svaneti	52.8	37	4	51	0	7	0	0
Samtskhe-Javakheti	16.8	80	0	0	0	19	1	0
Kvemo Kartli	41.4	60	0	9	0	32	0	0
Shida Kartli	35.7	52	6	31	0	10	0	1

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 4.137. Main source of water for livestock and poultry during warm season, by region, %  
2021**

	Central water system	Borehole	Well	Dam or lake	River, spring or stream	Rainwater harvesting	Other
Buffalo	94	0	0	0	0	6	0
Sheep	32	0	9	0	59	0	0
Goat	7	1	79	1	8	3	1
Horse	33	1	48	1	13	4	0
Mule	70	13	11	0	3	2	1
Rabbit	62	7	19	0	9	1	1
Other poultry	47	0	5	0	42	6	0

**Table 4.138. Main source of water for cattle during except warm season, by region  
2021**

	Number of holdings operating cattle during except warm season (ths. unit)	main source of water, %						
		Central water system	Borehole	Well	Dam or lake	River, spring or stream	Rainwater harvesting	Other
<b>Georgia</b>	<b>206.9</b>	<b>29</b>	<b>2</b>	<b>27</b>	<b>1</b>	<b>41</b>	<b>1</b>	<b>0</b>
Tbilisi	0.4	-	-	-	-	-	-	-
Adjara AR	17.0	26	1	6	0	67	0	0
Guria	13.6	8	0	79	0	13	0	0
Imereti	52.1	29	1	41	0	25	4	0
Kakheti	13.9	49	5	14	1	29	2	1
Mtskheta-Mtianeti	7.5	42	12	11	0	31	3	0
Racha-Lechkhumi and Kvemo Svaneti	4.5	15	0	7	2	76	0	0
Samegrelo-Zemo Svaneti	39.5	6	0	25	2	66	0	0
Samtskhe-Javakheti	16.5	55	0	0	1	43	1	0
Kvemo Kartli	24.5	40	0	11	0	49	0	0
Shida Kartli	17.3	39	7	37	0	17	0	0

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 4.139. Main source of water for pig during except warm season, by region  
2021**

	Number of holdings operating pig during except warm season (ths. unit)	main source of water, %						
		Central water system	Borehole	Well	Dam or lake	River, spring or stream	Rainwater harvesting	Other
<b>Georgia</b>	<b>81.6</b>	<b>40</b>	<b>4</b>	<b>28</b>	<b>1</b>	<b>22</b>	<b>4</b>	<b>1</b>
Tbilisi	0.2	-	-	-	-	-	-	-
Adjara AR	0.8	-	-	-	-	-	-	-
Guria	3.2	0	4	76	0	19	1	0
Imereti	26.0	21	1	48	0	20	11	0
Kakheti	10.6	67	6	16	1	5	0	6
Mtskheta-Mtianeti	2.3	54	19	19	0	3	3	3
Racha-Lechkhumi and Kvemo Svaneti	1.8	36	0	23	1	40	0	0
Samegrelo-Zemo Svaneti	14.6	14	1	25	7	52	0	0
Samtskhe-Javakheti	11.2	89	0	0	0	9	0	2
Kvemo Kartli	3.0	70	0	4	0	23	3	0
Shida Kartli	7.9	48	19	26	0	7	0	0

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 4.140. Main source of water for chicken during except warm season, by region  
2021**

	Number of holdings operating chicken during except warm season (ths. unit)	main source of water, %						
		Central water system	Borehole	Well	Dam or lake	River, spring or stream	Rainwater harvesting	Other
<b>Georgia</b>	<b>318.9</b>	<b>50</b>	<b>4</b>	<b>31</b>	<b>0</b>	<b>13</b>	<b>2</b>	<b>0</b>
Tbilisi	1.9	94	0	0	0	0	6	0
Adjara AR	10.1	32	0	9	0	59	0	0
Guria	18.6	8	1	78	0	9	5	0
Imereti	69.5	35	1	46	0	12	7	0
Kakheti	53.6	71	13	11	0	3	1	1
Mtskheta-Mtianeti	12.3	63	7	19	0	7	3	1
Racha-Lechkhumi and Kvemo Svaneti	6.3	48	0	5	0	42	4	0
Samegrelo-Zemo Svaneti	52.9	37	4	52	0	6	1	0
Samtskhe-Javakheti	16.8	82	0	1	0	16	1	0
Kvemo Kartli	41.4	65	0	9	0	26	0	0
Shida Kartli	35.7	52	6	33	0	7	0	1

The discrepancy between the totals and the sum in some cases can be explained by using rounded data

**Table 4.141. Main source of water for livestock and poultry during except warm season, by region, %  
2021**

	Central water system	Borehole	Well	Dam or lake	River, spring or stream	Rainwater harvesting	Other (specify)
Buffalo	6	2	14	0	77	0	0
Sheep	27	2	21	1	41	7	2
Goat	21	0	39	1	37	2	0
Horse	25	3	17	2	52	1	1
Mule	39	2	1	3	46	7	1
Rabbit	57	1	21	0	17	0	3
Other poultry	42	6	33	0	16	1	1

**Table 4.142. Share of holdings reporting problems that were encountered in watering of livestock by month and by region**  
**2021**

	Number of holdings with encountered problems in watering of livestock (ths. unit)	of which, %												average number of months all season	average number of months in summer	average number of months except summer
		January	February	March	April	May	June	July	August	September	October	November	December			
<b>Georgia</b>	<b>22.2</b>	<b>8</b>	<b>6</b>	<b>4</b>	<b>6</b>	<b>19</b>	<b>62</b>	<b>89</b>	<b>94</b>	<b>29</b>	<b>6</b>	<b>4</b>	<b>9</b>	<b>3.4</b>	<b>2.5</b>	<b>0.9</b>
Tbilisi	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Adjara AR	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guria	1.3	13	13	15	15	15	64	95	98	39	13	13	13	4.1	2.6	1.5
Imereti	9.1	0	0	0	0	0	53	87	100	37	0	0	0	2.8	2.4	0.4
Kakheti	3.0	5	5	4	20	28	84	95	95	11	9	2	5	3.6	2.7	0.9
Mtskheta-Mtianeti	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	3.4	0	0	0	0	4	29	79	96	49	16	0	0	2.7	2.0	0.7
Samtskhe-Javakheti	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kvemo Kartli	4.4	30	16	12	9	68	96	99	84	9	5	11	36	4.8	2.8	2.0
Shida Kartli	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: More than one answer can be report

**Table 4.143. Distribution of holdings by main problem encountered in watering livestock/poultry, solution implemented to provide water and by region**  
**2021**

	Number of holdings with encountered problems in watering of livestock (ths. unit)	Main problem, %			Solution implemented, %				
		Restricted access to water sources	Lack of water	Poor quality water	Use of another water source near the holding, for free	Use of another water source near the holding, with payment	Use of another water source far from the holding, for free	Use of another water source far from the holding, with payment	Not passed
<b>Georgia</b>	<b>22.2</b>	<b>27</b>	<b>72</b>	<b>0</b>	<b>70</b>	<b>7</b>	<b>6</b>	<b>2</b>	<b>15</b>
Tbilisi	0.0	-	-	-	-	-	-	-	-
Adjara AR	0.1	-	-	-	-	-	-	-	-
Guria	1.3	13	85	2	53	0	2	0	44
Imereti	9.1	18	82	0	81	2	12	0	6
Kakheti	3.0	48	52	0	59	37	3	0	1
Mtskheta-Mtianeti	0.2	-	-	-	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.5	-	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	3.4	13	87	0	91	4	0	0	5
Samtskhe-Javakheti	0.0	-	-	-	-	-	-	-	-
Kvemo Kartli	4.4	54	46	0	47	0	0	6	46
Shida Kartli	0.2	-	-	-	-	-	-	-	-

"-" Data is not available due to small sample size of the survey



**Table 4.144. Water for livestock transported by trucks to solve problems of watering, by months, by region**  
**2021**

	Number of holdings with encountered problems in watering of livestock (ths. unit)	Share of holdings used another water source far from the holding to solve water problems	Number of holdings transported water by trucks from a source far from the holding to solve watering problems	of which, %											
				of which, %											
				of which, %											
				January	February	March	April	May	June	July	August	September	October	November	December
<b>Georgia</b>	<b>22.2</b>	<b>8</b>	<b>52</b>	<b>17</b>	<b>17</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>57</b>	<b>83</b>	<b>83</b>	<b>8</b>	<b>17</b>	<b>17</b>	<b>17</b>

Note: More than one answer can be report

**Table 4.145. Production and storage facility of manure in the holdings by region**  
**2021**

	Number of holdings reporting solid or liquid manure (ths. unit)	Share of holdings reporting production solid manure	Solid manure				Liquid manure		
			storage facility types, %				Share of holdings reporting production liquid manure	storage facility types, %	
			Open space	Closed building	Closed storage tank	Open storage tank		Closed storage tank	Open storage tank
<b>Georgia</b>	<b>214.4</b>	<b>100</b>	<b>98</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>50</b>	<b>50</b>
Tbilisi	2.5	100	96	4	0	0	0	0	0
Adjara AR	18.4	98	86	8	3	3	17	60	40
Guria	11.6	100	98	2	0	1	1	0	100
Imereti	49.4	100	100	0	0	0	0	0	100
Kakheti	13.9	99	100	0	0	0	1	10	90
Mtskheta-Mtianeti	11.3	100	100	0	0	0	0	100	0
Racha-Lechkhumi and Kvemo Svaneti	4.9	100	95	5	0	0	0	0	0
Samegrelo-Zemo Svaneti	39.6	100	99	0	0	1	1	48	52
Samtskhe-Javakheti	18.7	100	100	0	0	0	1	0	100
Kvemo Kartli	23.2	100	100	1	0	0	0	7	93
Shida Kartli	20.9	100	99	1	0	0	0	0	0

**Table 4.146. Use of solid manure produced in the holding for fuel and construction, by region  
2021**

	Number of holding operating livestock / poultry (ths. unit)	Share of holding producing solid manure, %	Share of holdings reproting manure for fuel, %	Used manure for fuel ( ths. tonne)	Share of holdings reproting manure for construction, %	Used manure for construction ( ths. tonne)
<b>Georgia</b>	<b>367.2</b>	<b>58</b>	<b>6</b>	<b>17.7</b>	<b>1</b>	<b>1.5</b>
Tbilisi	3.0	83	0	-	0	-
Adjara AR	21.7	83	1	-	0	-
Guria	21.8	53	4	-	0	-
Imereti	75.4	66	6	-	0	-
Kakheti	57.8	24	1	-	0	-
Mtskheta-Mtianeti	14.9	76	0	-	0	-
Racha-Lechkhumi and Kvemo Svaneti	7.3	67	0	-	0	-
Samegrelo-Zemo Svaneti	57.5	69	1	-	0	-
Samtskhe-Javakheti	21.7	86	24	-	0	-
Kvemo Kartli	47.2	49	16	-	4	-
Shida Kartli	39.1	53	0	-	0	-

"-" Data is not available due to small sample size of the survey.

The discrepancy between the totals and the sum in some cases can be explained by using rounded data.



## **PART 5. Access to and use of Information Services, Infrastructure and Communal Resources**





**Table 5.1. Distribution of holdings by main source and method for consulting for crop rotation and other sustainable agricultural practices by region**  
**2021**

	Number of holding reporting the use of information about crop rotation and other sustainable agricultural practices (ths. unit)	Main source of information, %						Main method of consulting, %						
		Government or extension service	Other individual farmer	Farmers' group or association	NGO or non-governmental project	Trader or market stakeholder	Other	Face-to-face discussions	Phone calls	Radio	Television	Internet or SMS	Press or newspapers	Other
Georgia	24.7	14	72	5	1	8	0	82	1	0	9	8	0	0
Tbilisi	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Adjara AR	1.8	17	59	0	11	13	0	50	0	0	39	11	0	0
Guria	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Imereti	1.0	40	28	8	0	24	0	72	0	0	4	24	0	0
Kakheti	1.7	33	43	9	0	15	0	70	1	0	19	10	0	0
Mtskheta-Mtianeti	4.3	17	76	0	2	5	0	71	0	0	0	28	0	0
Racha-Lechkhumi and Kvemo Svaneti	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	1.7	21	50	12	0	17	0	77	2	0	13	9	0	0
Samtskhe-Javakheti	5.0	7	90	2	0	0	0	91	4	0	5	0	0	0
Kvemo Kartli	4.8	6	81	8	0	4	0	87	0	0	12	0	0	0
Shida Kartli	4.4	7	71	8	0	13	0	97	0	0	1	2	0	0

**Table 5.2. Distribution of holdings by main source and method for consulting for crop types to be produced by region**  
**2021**

	Number of holding reporting the use of information about crop types to be produced (ths. unit)	Main source of information, %						Main method of consulting, %						
		Government or extension service	Other individual farmer	Farmers' group or association	NGO or non-governmental project	Trader or market stakeholder	Other	Face-to-face discussions	Phone calls	Radio	Television	Internet or SMS	Press or newspapers	Other
Georgia	44.7	9	73	6	2	11	0	74	5	0	8	12	0	1
Tbilisi	6.8	0	100	0	0	0	0	100	0	0	0	0	0	0
Adjara AR	4.8	27	62	11	0	0	0	43	11	0	22	25	0	0
Guria	2.5	7	46	0	0	47	0	82	5	0	0	13	0	0
Imereti	4.2	6	79	4	7	5	0	52	0	0	23	25	0	0
Kakheti	3.5	5	53	7	2	33	0	86	0	0	4	10	0	0
Mtskheta-Mtianeti	2.3	3	92	2	4	0	0	52	0	0	1	47	0	0
Racha-Lechkhumi and Kvemo Svaneti	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	3.7	24	59	10	1	6	0	54	0	0	24	14	0	9
Samtskhe-Javakheti	4.3	7	81	7	0	4	0	78	13	0	1	8	0	0
Kvemo Kartli	6.8	0	79	5	0	17	0	97	0	0	1	2	0	0
Shida Kartli	4.9	15	56	11	6	12	0	64	18	0	6	6	0	6

**Table 5.3. Distribution of holdings by main source and method for consulting for use of fertilizers and/or pesticides by region 2021**

	Number of holding reporting the use of information about use of fertilizers and/or pesticides (ths. unit)	Main source of information, %						Main method of consulting, %						
		Government or extension service	Other individual farmer	Farmers' group or association	NGO or non-governmental project	Trader or market stakeholder	Other	Face-to-face discussions	Phone calls	Radio	Television	Internet or SMS	Press or newspapers	Other
Georgia	116.5	10	23	4	0	63	0	90	1	0	5	4	0	0
Tbilisi	4.1	0	3	0	0	97	0	100	0	0	0	0	0	0
Adjara AR	4.8	8	52	11	0	29	0	69	0	0	15	14	0	2
Guria	3.1	9	15	11	0	65	0	87	0	0	2	11	0	0
Imereti	18.9	16	31	6	0	47	0	85	1	0	4	10	0	0
Kakheti	27.5	14	21	2	0	63	0	95	1	0	2	2	0	0
Mtskheta-Mtianeti	5.8	13	31	1	0	54	0	88	7	0	0	5	0	0
Racha-Lechkhumi and Kvemo Svaneti	3.2	8	15	0	0	76	0	83	0	0	16	1	0	0
Samegrelo-Zemo Svaneti	17.0	10	9	7	0	74	0	93	0	0	5	1	1	0
Samtskhe-Javakheti	7.1	7	48	4	0	41	0	90	1	0	6	3	0	0
Kvemo Kartli	4.6	3	55	0	0	42	0	89	0	0	2	6	0	2
Shida Kartli	20.4	7	9	1	0	83	0	92	0	0	7	0	0	0

**Table 5.4. Distribution of holdings by main source and method for consulting for crop health issues by region 2021**

	Number of holding reporting the use of information about crop health issues (ths. unit)	Main source of information, %						Main method of consulting, %						
		Government or extension service	Other individual farmer	Farmers' group or association	NGO or non-governmental project	Trader or market stakeholder	Other	Face-to-face discussions	Phone calls	Radio	Television	Internet or SMS	Press or newspapers	Other
Georgia	47.5	12	58	9	2	19	0	74	2	0	13	9	1	1
Tbilisi	1.9	47	53	0	0	0	0	53	0	0	47	0	0	0
Adjara AR	3.7	5	56	11	5	22	0	57	0	0	17	21	0	5
Guria	2.0	6	34	0	0	60	0	94	0	0	0	6	0	0
Imereti	7.1	8	66	5	0	21	0	71	0	0	13	17	0	0
Kakheti	4.3	20	35	11	2	33	0	77	0	0	15	8	0	0
Mtskheta-Mtianeti	4.0	7	93	0	0	0	0	69	5	0	4	22	0	0
Racha-Lechkhumi and Kvemo Svaneti	1.1	12	66	18	0	4	0	24	0	0	59	17	0	0
Samegrelo-Zemo Svaneti	8.6	12	35	12	2	38	0	88	0	0	9	1	0	2
Samtskhe-Javakheti	2.0	5	69	15	9	3	0	51	18	0	14	18	0	0
Kvemo Kartli	7.4	0	88	8	0	4	0	85	0	0	8	4	4	0
Shida Kartli	5.4	31	41	15	3	11	0	77	6	0	14	3	0	0

**Table 5.5. Distribution of holdings by main source and method for consulting for livestock health issues by region**  
**2021**

	Number of holding reporting the use of information about livestock health issues (ths. unit)	Main source of information, %						Main method of consulting, %						
		Government or extension service	Other individual farmer	Farmers' group or association	NGO or non-governmental project	Trader or market stakeholder	Other	Face-to-face discussions	Phone calls	Radio	Television	Internet or SMS	Press or newspapers	Other
Georgia	55.7	14	59	6	0	19	2	86	2	0	5	6	1	0
Tbilisi	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Adjara AR	2.1	19	56	15	0	11	0	57	0	0	9	33	0	0
Guria	1.4	27	11	2	0	60	0	77	12	0	0	11	0	0
Imereti	10.8	12	45	8	0	33	2	84	5	2	7	3	0	0
Kakheti	11.3	17	54	7	0	19	3	89	3	0	3	5	0	0
Mtskheta-Mtianeti	2.5	5	95	0	0	0	0	81	0	0	3	15	0	0
Racha-Lechkhumi and Kvemo Svaneti	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	11.2	15	44	5	0	31	4	90	1	0	5	1	3	0
Samtskhe-Javakheti	4.0	13	77	5	0	5	0	88	0	0	7	5	0	0
Kvemo Kartli	8.0	0	95	2	0	3	0	92	2	0	2	4	0	0
Shida Kartli	3.1	25	68	4	0	2	1	75	2	0	7	16	0	0

**Table 5.6. Distribution of holdings by main source and method for consulting for livestock feed issues by region**  
**2021**

	Number of holding reporting the use of information about livestock feed issues (ths. unit)	Main source of information, %						Main method of consulting, %						
		Government or extension service	Other individual farmer	Farmers' group or association	NGO or non-governmental project	Trader or market stakeholder	Other	Face-to-face discussions	Phone calls	Radio	Television	Internet or SMS	Press or newspapers	Other
Georgia	40.7	6	59	9	1	25	0	83	2	0	7	8	0	0
Tbilisi	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Adjara AR	2.0	1	41	58	0	0	0	42	0	0	0	58	0	0
Guria	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-
Imereti	9.4	13	49	11	0	27	0	80	3	0	14	3	0	0
Kakheti	7.9	4	57	4	0	36	0	86	2	0	4	7	0	0
Mtskheta-Mtianeti	1.7	0	100	0	0	0	0	57	0	0	9	34	0	0
Racha-Lechkhumi and Kvemo Svaneti	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	6.1	13	32	11	3	40	0	81	0	0	15	2	2	0
Samtskhe-Javakheti	2.8	0	82	5	0	13	0	89	11	0	0	0	0	0
Kvemo Kartli	6.1	0	96	0	0	3	0	99	0	0	1	0	0	0
Shida Kartli	3.0	1	61	6	0	32	0	92	0	0	1	7	0	0



**Table 5.7. Distribution of holdings by main source and method for consulting for livestock breeding by region  
2021**

	Number of holding reporting the use of information about livestock breeding (ths. unit)	Main source of information, %						Main method of consulting, %						
		Government or extension service	Other individual farmer	Farmers' group or association	NGO or non-governmental project	Trader or market stakeholder	Other	Face-to-face discussions	Phone calls	Radio	Television	Internet or SMS	Press or newspapers	Other
Georgia	16.6	8	76	12	0	3	1	82	3	0	9	6	0	0
Tbilisi	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Adjara AR	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-
Guria	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Imereti	2.7	15	62	23	0	0	0	46	0	0	43	10	0	0
Kakheti	2.1	13	76	11	0	0	0	80	6	0	10	4	0	0
Mtskheta-Mtianeti	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	1.9	12	59	15	0	9	4	91	0	0	7	2	0	0
Samtskhe-Javakheti	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Kvemo Kartli	6.2	0	100	0	0	0	0	95	5	0	0	0	0	0
Shida Kartli	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-

**Table 5.8. Distribution of holdings by main source and method for consulting for availability of inputs (including machinery and equipment) by region  
2021**

	Number of holding reporting the use of information about availability of inputs (ths. unit)	Main source of information, %						Main method of consulting, %						
		Government or extension service	Other individual farmer	Farmers' group or association	NGO or non-governmental project	Trader or market stakeholder	Other	Face-to-face discussions	Phone calls	Radio	Television	Internet or SMS	Press or newspapers	Other
Georgia	21.5	22	61	7	3	7	0	69	9	0	15	7	0	0
Tbilisi	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Adjara AR	2.3	49	33	0	0	18	0	72	0	0	2	26	0	0
Guria	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Imereti	4.5	33	40	11	7	9	0	41	13	0	45	1	0	0
Kakheti	3.0	23	64	13	0	0	0	50	14	0	24	12	0	0
Mtskheta-Mtianeti	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	6.4	3	93	4	0	0	0	98	0	0	2	0	0	0
Samtskhe-Javakheti	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Kvemo Kartli	2.7	11	77	1	0	11	0	77	12	0	11	0	0	0
Shida Kartli	1.2	43	9	21	24	2	0	50	39	0	0	11	0	0

**Table 5.9. Distribution of holdings by main source and method for consulting for prices of inputs by region**  
**2021**

	Number of holding reporting the use of information about prices of inputs (ths. unit)	Main source of information, %						Main method of consulting, %						
		Government or extension service	Other individual farmer	Farmers' group or association	NGO or non-governmental project	Trader or market stakeholder	Other	Face-to-face discussions	Phone calls	Radio	Television	Internet or SMS	Press or newspapers	Other
Georgia	23.8	12	53	11	0	24	0	75	4	0	14	6	0	0
Tbilisi	1.8	50	50	0	0	0	0	50	0	0	50	0	0	0
Adjara AR	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Guria	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Imereti	5.3	27	53	14	0	6	0	62	9	0	28	1	0	0
Kakheti	6.3	3	17	9	0	70	0	78	4	0	11	7	0	0
Mtskheta-Mtianeti	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	2.9	0	69	13	1	17	0	93	1	0	5	1	0	0
Samtskhe-Javakheti	1.3	0	60	15	0	25	0	85	14	0	0	1	0	0
Kvemo Kartli	4.2	0	99	0	0	1	0	99	0	0	0	0	0	0
Shida Kartli	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-

**Table 5.10. Distribution of holdings by main source and method for consulting for prices of outputs by region**  
**2021**

	Number of holding reporting the use of information about prices of outputs (ths. unit)	Main source of information, %						Main method of consulting, %						
		Government or extension service	Other individual farmer	Farmers' group or association	NGO or non-governmental project	Trader or market stakeholder	Other	Face-to-face discussions	Phone calls	Radio	Television	Internet or SMS	Press or newspapers	Other
Georgia	68.5	11	48	5	1	36	0	71	7	0	14	8	0	0
Tbilisi	1.0	89	0	0	0	11	0	11	0	0	89	0	0	0
Adjara AR	3.9	0	50	0	0	50	0	77	0	0	5	18	0	0
Guria	4.4	43	0	3	0	53	0	50	3	0	11	36	0	0
Imereti	14.2	6	32	5	2	55	0	71	8	0	17	3	0	0
Kakheti	9.6	22	36	13	0	30	0	52	5	0	30	12	0	0
Mtskheta-Mtianeti	4.4	0	78	0	0	22	0	77	5	0	4	12	2	0
Racha-Lechkhumi and Kvemo Svaneti	2.0	13	71	6	0	10	0	45	0	0	40	15	0	0
Samegrelo-Zemo Svaneti	9.4	6	37	9	0	47	0	83	11	0	5	1	0	0
Samtskhe-Javakheti	6.5	6	69	3	0	23	0	81	10	0	4	5	0	0
Kvemo Kartli	6.6	0	74	0	0	26	0	74	13	0	9	4	0	0
Shida Kartli	6.5	7	78	3	2	10	0	91	3	0	3	3	0	0

**Table 5.11. Distribution of holdings by main source and method for consulting for weather forecasts affecting production by region**  
**2021**

	Number of holding reporting the use of information about weather forecasts affecting production (ths. unit)	Main source of information, %						Main method of consulting, %						
		Government or extension service	Other individual farmer	Farmers' group or association	NGO or non-governmental project	Trader or market stakeholder	Other	Face-to-face discussions	Phone calls	Radio	Television	Internet or SMS	Press or newspapers	Other
Georgia	45.5	54	38	1	3	3	0	21	2	0	46	30	0	0
Tbilisi	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-
Adjara AR	3.5	2	95	0	0	3	0	10	0	0	39	52	0	0
Guria	1.3	34	53	0	0	13	0	28	0	0	13	60	0	0
Imereti	13.7	67	20	1	10	2	0	12	1	0	64	23	0	0
Kakheti	4.5	80	15	5	0	0	0	5	0	0	56	38	0	0
Mtskheta-Mtianeti	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	1.8	86	14	0	0	0	0	15	1	0	53	32	0	0
Samegrelo-Zemo Svaneti	5.7	68	23	1	0	8	0	15	0	0	48	34	3	0
Samtskhe-Javakheti	5.2	80	18	0	2	0	0	9	2	0	46	44	0	0
Kvemo Kartli	6.3	5	95	0	0	0	0	67	11	0	17	5	0	0
Shida Kartli	2.4	25	56	1	0	19	0	54	0	0	7	38	0	0

**Table 5.12. Distribution of holdings by main source and method for consulting for other environmental informationn by region**  
**2021**

	Number of holding reporting the use of information about other environmental informationn (ths. unit)	Main soruce of information, %						Main method of consulting, %						
		Government or extension service	Other individual farmer	Farmers' group or association	NGO or non-governmental project	Trader or market stakeholder	Other	Face-to-face discussions	Phone calls	Radio	Television	Internet or SMS	Press or newspapers	Other
Georgia	4.0	51	24	14	4	8	0	16	5	0	50	27	2	0
Tbilisi	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Adjara AR	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Guria	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Imereti	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Kakheti	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtskheta-Mtianeti	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Racha-Lechkhumi and Kvemo Svaneti	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-
Samegrelo-Zemo Svaneti	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Samtskhe-Javakheti	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Kvemo Kartli	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Shida Kartli	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-

**Table 5.13. Distribution of holdings by visits of extension officer or veterinarian or animal health assistant by region**  
**2021**

	Number of holding reporting visits of extension officer or veterinarian or animal health assistant (ths. unit)	of which, %				number of average visit
		1 times	2-3 times	4-9 times	more than 10 times	
<b>Georgia</b>	<b>111.0</b>	<b>37</b>	<b>49</b>	<b>12</b>	<b>2</b>	<b>2.3</b>
Tbilisi	0.2	-	-	-	-	-
Adjara AR	10.8	56	43	1	0	1.6
Guria	6.0	66	30	4	0	1.5
Imereti	14.7	61	36	2	2	1.7
Kakheti	12.4	36	56	8	0	2.0
Mtskheta-Mtianeti	4.1	36	59	5	0	2.0
Racha-Lechkhumi and Kvemo Svaneti	2.3	60	38	2	0	1.5
Samegrelo-Zemo Svaneti	21.2	35	56	9	1	2.1
Samtskhe-Javakheti	13.8	10	67	22	1	2.8
Kvemo Kartli	13.4	8	57	32	4	3.5
Shida Kartli	12.1	39	33	20	9	3.2

**Table 5.14. Distribution of holdings by main reason for not having more visits to the holding by extension officers or veterinarians or animal health assistants by region**  
**2021**

	Number of holding reporting less than 2 visits of extension officer or veterinarian or animal health assistant (ths. unit)	of which, %				
		No need	Too expensive	Too far away	Service provider was too busy/not available	Other
<b>Georgia</b>	<b>531.1</b>	<b>97</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1.0</b>
Tbilisi	24.6	92	4	0	4	0.0
Adjara AR	38.6	99	0	0	0	0.0
Guria	32.7	88	2	0	0	10.0
Imereti	115.4	97	0	0	2	0.0
Kakheti	83.6	99	1	0	0	0.0
Mtskheta-Mtianeti	26.1	100	0	0	0	0.0
Racha-Lechkhumi and Kvemo Svaneti	11.9	94	0	4	1	1.0
Samegrelo-Zemo Svaneti	67.1	98	0	1	0	0.0
Samtskhe-Javakheti	21.8	98	1	1	0	0.0
Kvemo Kartli	52.5	99	0	0	0	0.0
Shida Kartli	56.8	97	2	1	0	0.0

**Table 5.15. Share of holdings, by coverage agricultural products collection network and by region, %  
2021**

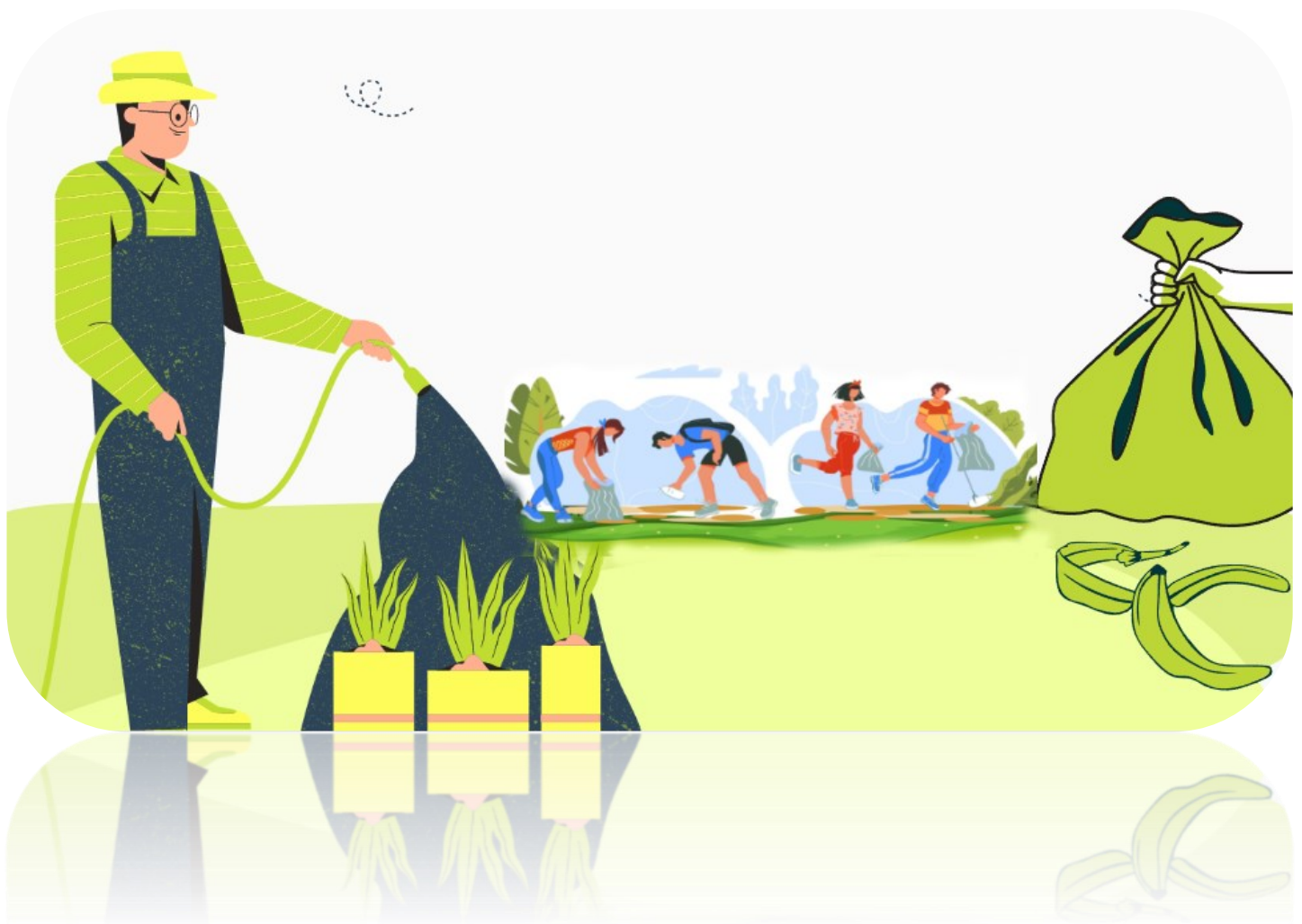
<b>Georgia</b>	<b>37</b>
Tbilisi	17
Adjara AR	34
Guria	46
Imereti	16
Kakheti	54
Mtskheta-Mtianeti	12
Racha-Lechkhumi and Kvemo Svaneti	44
Samegrelo-Zemo Svaneti	64
Samtskhe-Javakheti	38
Kvemo Kartli	23
Shida Kartli	47

**Table 5.16. Access to the internet and use of the internet for agricultural activities by ages group of holders, agricultural land and livestock operated by holdings, by region  
2021**

	Share of holdings reporting acces to the internet	Of which % of holding reporting use of the internet	Share of holdings reporting the use of the internet for agricultural activities by age group of holder			Share of agricultural land operated by holdings reporting the use of the internet for agricultural activities, in agricultural land operated by holdings reporting access to the internet	Share of total index* of livestock operated by holdings reporting the use of the internet for agricultural activities, in total index of livestock operated by holdings reporting access to the internet
			up to 40 years	From 40 to 60 years	60 years and above		
<b>Georgia</b>	<b>67</b>	<b>22</b>	<b>23</b>	<b>25</b>	<b>19</b>	<b>40</b>	<b>43</b>
Tbilisi	56	7	-	-	-	-	-
Adjara AR	77	31	9	38	27	25	45
Guria	60	20	29	27	14	28	20
Imereti	57	26	21	29	25	38	45
Kakheti	78	22	24	26	19	38	42
Mtskheta-Mtianeti	58	16	16	23	9	28	38
Racha-Lechkhumi and Kvemo Svaneti	50	28	6	35	26	42	52
Samegrelo-Zemo Svaneti	72	17	20	17	16	44	36
Samtskhe-Javakheti	74	43	44	49	38	50	49
Kvemo Kartli	63	14	20	15	12	46	33
Shida Kartli	75	17	35	20	11	39	74

\*The definition of the total index of livestock is given in part of definitions and explanations

## PART 6. Environmental Issues and Waste Management





**Table 6.1. Distribution of holdings by main environmental concern and by region  
2021**

	Number of holdings reporting environmental concern (ths. unit)	of wich, %							
		Drought	Floods	Air pollution	Soil pollution	Extreme temperatures	Hail	Invasion of pests	Other
<b>Georgia</b>	<b>346.9</b>	<b>55</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>32</b>	<b>3</b>	<b>1</b>	<b>1</b>
Tbilisi	9.1	79	0	0	11	10	0	0	0
Adjara AR	23.7	40	9	17	4	30	0	0	0
Guria	13.5	58	3	4	1	29	0	3	1
Imereti	61.9	67	1	1	4	27	0	0	1
Kakheti	60.4	67	0	0	0	20	12	0	1
Mtskheta-Mtianeti	18.4	76	0	4	3	17	0	0	0
Racha-Lechkhumi and Kvemo Svaneti	8.0	21	2	0	0	68	1	6	3
Samegrelo-Zemo Svaneti	46.8	22	16	2	3	48	0	7	2
Samtskhe-Javakheti	23.7	38	3	2	3	55	0	0	0
Kvemo Kartli	42.0	71	1	3	2	18	4	0	0
Shida Kartli	39.5	51	0	2	0	46	0	0	0

**Table 6.2. Share of holdings by methods of manage the wastewater generated by the holding by regions, %  
2021**

	Discharged to a constructed retention or holding pond	Discharged to a septic or sewer system	Discharged into a vegetative filter strip or constructed wetland	Applied to agricultural land	Not managed, removed through natural drainage
<b>Georgia</b>	<b>16</b>	<b>18</b>	<b>7</b>	<b>6</b>	<b>55</b>
Tbilisi	8	45	0	1	47
Adjara AR	26	23	4	8	44
Guria	30	18	1	1	49
Imereti	8	20	1	0	71
Kakheti	12	7	5	4	72
Mtskheta-Mtianeti	18	26	3	18	35
Racha-Lechkhumi and Kvemo Svaneti	30	8	3	1	60
Samegrelo-Zemo Svaneti	5	15	0	4	76
Samtskhe-Javakheti	39	13	14	12	24
Kvemo Kartli	18	19	27	11	32
Shida Kartli	24	19	18	13	30



**Table 6.3. Distribution of the holding's reporting wastewater discharged into the environment by level of treatment and by regions, %**  
**2021**

	Full part of wastewater discharged in to the environment after treatment	A small part of wastewater treated, a significant part of wastewater discharged in to the environment without treatment	A significant part of wastewater treated, a small part of wastewater discharged in to the environment without treatment	Full part of wastewater discharged in to the environment without treatment
<b>Georgia</b>	<b>12</b>	<b>4</b>	<b>4</b>	<b>80</b>
Tbilisi	26	4	7	63
Adjara AR	5	2	3	90
Guria	12	5	17	66
Imereti	5	8	2	85
Kakheti	9	0	3	88
Mtskheta-Mtianeti	27	4	3	66
Racha-Lechkhumi and Kvemo Svaneti	16	0	0	83
Samegrelo-Zemo Svaneti	3	0	1	95
Samtskhe-Javakheti	39	6	4	51
Kvemo Kartli	12	4	7	77
Shida Kartli	13	6	5	76

**Table 6.4. Waste generated by the holding by waste type and method of treatment in Georgia**  
**2021**

Types of waste generated	Number of holdings reporting generated waste (ths. unit)	Methods of manage waste, %					
		Waste taken away from the holding by a professional	Waste kept on the holding, treated by burning	Waste kept on the holding, treated by burying	Waste is dumped in the orderly bin	Waste was used in secondary form on the farm	Other
Non-functioning vehicles	2.2	36	29	6	37	X	20
Used tires	15.0	3	37	0	37	33	11
Waste oils	13.4	4	31	8	51	X	26
Empty packaging of plant protection products	179.5	1	41	2	62	1	0
Empty packaging of fertilizer products	179.9	0	45	2	43	17	0
Empty packaging of diesel, gasoline or other petroleum products	46.1	1	20	0	50	35	0
Empty packaging of cleaning and disinfection products	39.3	1	34	2	72	1	2
Empty packaging of seeds	38.5	0	38	1	74	7	0
Used plastic film	190.8	1	37	1	69	8	0
Ropes and nets	71.9	1	47	3	45	26	0
Plant production products that are no longer usable	12.9	1	33	6	83	X	1
Veterinary waste	34.8	7	28	9	74	X	1
Fruit-soaking fungicidal liquids	14.6	0	25	20	64	X	0
Other non-hazardous organic waste	31.4	2	23	22	67	X	1
Other non-hazardous inorganic waste	24.0	0	23	8	83	X	1
Other hazardous waste	3.4	2	7	17	74	X	1
None	195.5	X	X	X	X	X	X

**Table 6.5. Waste generated by the holding by waste type and method of treatment in Tbilisi 2021**

Types of waste generated	Number of holdings reporting generated waste (ths. unit)	Methods of manage waste, %					
		Waste taken away from the holding by a professional	Waste kept on the holding, treated by burning	Waste kept on the holding, treated by burying	Waste is dumped in the orderly bin	Waste was used in secondary form on the farm	Other
Non-functioning vehicles	0.0	-	-	-	-	X	-
Used tires	0.0	-	-	-	-	-	-
Waste oils	0.0	-	-	-	-	X	-
Empty packaging of plant protection products	10.4	0	0	0	100	0	0
Empty packaging of fertilizer products	0.0	-	-	-	-	-	-
Empty packaging of diesel, gasoline or other petroleum products	0.0	-	-	-	-	-	-
Empty packaging of cleaning and disinfection products	0.9	-	-	-	-	-	-
Empty packaging of seeds	0.1	-	-	-	-	-	-
Used plastic film	12.7	0	9	0	91	0	0
Ropes and nets	0.0	-	-	-	-	-	-
Plant production products that are no longer usable	0.1	-	-	-	-	X	-
Veterinary waste	0.0	-	-	-	-	X	-
Fruit-soaking fundigical liquids	0.9	-	-	-	-	X	-
Other non-hazardous organic waste	4.7	0	0	19	81	X	0
Other non-hazardousin organic waste	0.0	-	-	-	-	X	-
Other hazardous waste	0.0	-	-	-	-	X	-
None	3.6	X	X	X	X	X	X

**Table 6.6. Waste generated by the holding by waste type and method of treatment in Adjara AR 2021**

Types of waste generated	Number of holdings reporting generated waste (ths. unit)	Methods of manage waste, %					
		Waste taken away from the holding by a professional	Waste kept on the holding, treated by burning	Waste kept on the holding, treated by burying	Waste is dumped in the orderly bin	Waste was used in secondary form on the farm	Other
Non-functioning vehicles	0.0	-	-	-	-	X	-
Used tires	1.8	0	5	0	30	67	0
Waste oils	1.3	0	4	0	96	X	0
Empty packaging of plant protection products	12.2	0	51	1	49	7	0
Empty packaging of fertilizer products	18.7	0	56	0	33	15	0
Empty packaging of diesel, gasoline or other petroleum products	5.8	0	26	0	41	35	0
Empty packaging of cleaning and disinfection products	5.1	0	28	0	72	8	0
Empty packaging of seeds	0.6	-	-	-	-	-	-
Used plastic film	29.7	0	39	0	70	19	0
Ropes and nets	10.0	0	50	0	34	29	0
Plant production products that are no longer usable	0.0	-	-	-	-	X	-
Veterinary waste	2.4	63	0	23	14	X	0
Fruit-soaking fundigical liquids	0.3	-	-	-	-	X	-
Other non-hazardous organic waste	2.8	0	0	52	48	X	0
Other non-hazardousin organic waste	2.2	0	0	34	75	X	0
Other hazardous waste	0.2	-	-	-	-	X	-
None	3.9	X	X	X	X	X	X

**Table 6.7. Waste generated by the holding by waste type and method of treatment in Guria region 2021**

Types of waste generated	Number of holdings reporting generated waste (ths. unit)	Methods of manage waste, %					
		Waste taken away from the holding by a professional	Waste kept on the holding, treated by burning	Waste kept on the holding, treated by burying	Waste is dumped in the orderly bin	Waste was used in secondary form on the farm	Other
Non-functioning vehicles	0.1	-	-	-	-	X	-
Used tires	0.0	-	-	-	-	-	-
Waste oils	0.1	-	-	-	-	X	-
Empty packaging of plant protection products	2.9	1	66	5	35	0	0
Empty packaging of fertilizer products	7.5	0	52	2	46	0	0
Empty packaging of diesel, gasoline or other petroleum products	2.4	1	0	0	99	0	0
Empty packaging of cleaning and disinfection products	0.0	-	-	-	-	-	-
Empty packaging of seeds	0.0	-	-	-	-	-	-
Used plastic film	2.0	0	15	0	95	0	0
Ropes and nets	0.2	-	-	-	-	-	-
Plant production products that are no longer usable	0.2	-	-	-	-	X	-
Veterinary waste	0.0	-	-	-	-	X	-
Fruit-soaking fundigical liquids	0.3	-	-	-	-	X	-
Other non-hazardous organic waste	3.5	0	6	5	94	X	0
Other non-hazardousin organic waste	2.8	0	8	0	92	X	0
Other hazardous waste	0.0	-	-	-	-	X	-
None	19.5	X	X	X	X	X	X

**Table 6.8. Waste generated by the holding by waste type and method of treatment in Imereti region 2021**

Types of waste generated	Number of holdings reporting generated waste (ths. unit)	Methods of manage waste, %					
		Waste taken away from the holding by a professional	Waste kept on the holding, treated by burning	Waste kept on the holding, treated by burying	Waste is dumped in the orderly bin	Waste was used in secondary form on the farm	Other
Non-functioning vehicles	0.2	-	-	-	-	X	-
Used tires	3.2	0	41	0	43	16	0
Waste oils	2.5	0	52	0	39	X	17
Empty packaging of plant protection products	39.8	0	37	1	64	3	0
Empty packaging of fertilizer products	56.9	0	37	1	48	14	0
Empty packaging of diesel, gasoline or other petroleum products	8.5	2	31	0	50	21	0
Empty packaging of cleaning and disinfection products	5.7	0	54	3	42	0	0
Empty packaging of seeds	3.1	0	43	0	56	1	0
Used plastic film	25.9	0	40	1	60	1	0
Ropes and nets	8.8	0	67	0	35	0	0
Plant production products that are no longer usable	1.9	0	49	0	51	X	0
Veterinary waste	7.2	0	31	7	63	X	0
Fruit-soaking fundigical liquids	2.2	0	45	0	55	X	0
Other non-hazardous organic waste	2.1	0	34	32	34	X	0
Other non-hazardousin organic waste	1.6	0	45	12	43	X	0
Other hazardous waste	1.1	0	18	36	46	X	0
None	39.8	X	X	X	X	X	X

**Table 6.9. Waste generated by the holding by waste type and method of treatment in Kakheti region 2021**

Types of waste generated	Number of holdings reporting generated waste (ths. unit)	Methods of manage waste, %					
		Waste taken away from the holding by a professional	Waste kept on the holding, treated by burning	Waste kept on the holding, treated by burying	Waste is dumped in the orderly bin	Waste was used in secondary form on the farm	Other
Non-functioning vehicles	0.4	-	-	-	-	X	-
Used tires	2.8	8	3	0	10	35	56
Waste oils	2.9	0	2	12	19	X	87
Empty packaging of plant protection products	35.2	0	53	2	49	0	0
Empty packaging of fertilizer products	18.5	0	57	1	40	4	0
Empty packaging of diesel, gasoline or other petroleum products	2.5	0	14	0	33	53	0
Empty packaging of cleaning and disinfection products	1.2	0	14	0	59	0	22
Empty packaging of seeds	2.0	0	40	3	54	7	0
Used plastic film	12.6	1	44	2	53	6	2
Ropes and nets	6.7	0	38	23	28	11	4
Plant production products that are no longer usable	0.6	-	-	-	-	X	-
Veterinary waste	4.3	3	13	5	77	X	6
Fruit-soaking fundigical liquids	1.3	0	7	21	72	X	0
Other non-hazardous organic waste	4.0	0	12	8	83	X	8
Other non-hazardousin organic waste	7.2	0	11	0	84	X	4
Other hazardous waste	0.3	-	-	-	-	X	-
None	36.3	X	X	X	X	X	X

**Table 6.10. Waste generated by the holding by waste type and method of treatment in Mtskheta-Mtianeti region 2021**

Types of waste generated	Number of holdings reporting generated waste (ths. unit)	Methods of manage waste, %					
		Waste taken away from the holding by a professional	Waste kept on the holding, treated by burning	Waste kept on the holding, treated by burying	Waste is dumped in the orderly bin	Waste was used in secondary form on the farm	Other
Non-functioning vehicles	0.0	-	-	-	-	X	-
Used tires	0.2	-	-	-	-	-	-
Waste oils	0.5	-	-	-	-	X	-
Empty packaging of plant protection products	4.8	0	13	0	96	0	0
Empty packaging of fertilizer products	1.0	-	-	-	-	-	-
Empty packaging of diesel, gasoline or other petroleum products	0.6	-	-	-	-	-	-
Empty packaging of cleaning and disinfection products	1.1	0	13	13	100	0	0
Empty packaging of seeds	2.7	0	6	0	95	0	0
Used plastic film	14.4	1	8	2	93	0	0
Ropes and nets	4.1	0	20	4	85	5	0
Plant production products that are no longer usable	0.4	-	-	-	-	X	-
Veterinary waste	1.4	0	1	15	84	X	0
Fruit-soaking fundigical liquids	0.3	-	-	-	-	X	-
Other non-hazardous organic waste	4.0	0	48	63	10	X	0
Other non-hazardousin organic waste	1.8	0	75	45	47	X	0
Other hazardous waste	0.1	-	-	-	-	X	-
None	12.4	X	X	X	X	X	X

**Table 6.11. Waste generated by the holding by waste type and method of treatment in Racha-Lechkhumi and Kvemo Svaneti region**  
**2021**

Types of waste generated	Number of holdings reporting generated waste (ths. unit)	Methods of manage waste, %					
		Waste taken away from the holding by a professional	Waste kept on the holding, treated by burning	Waste kept on the holding, treated by burying	Waste is dumped in the orderly bin	Waste was used in secondary form on the farm	Other
Non-functioning vehicles	0.0	-	-	-	-	X	-
Used tires	0.1	-	-	-	-	-	-
Waste oils	0.1	-	-	-	-	X	-
Empty packaging of plant protection products	5.9	0	33	2	67	0	0
Empty packaging of fertilizer products	2.9	0	33	2	46	20	0
Empty packaging of diesel, gasoline or other petroleum products	0.5	-	-	-	-	-	-
Empty packaging of cleaning and disinfection products	0.3	-	-	-	-	-	-
Empty packaging of seeds	0.0	-	-	-	-	-	-
Used plastic film	4.2	0	35	1	59	4	0
Ropes and nets	0.5	-	-	-	-	-	-
Plant production products that are no longer usable	0.1	-	-	-	-	X	-
Veterinary waste	0.5	-	-	-	-	X	-
Fruit-soaking fundigical liquids	0.0	-	-	-	-	X	-
Other non-hazardous organic waste	0.1	-	-	-	-	X	-
Other non-hazardousin organic waste	0.0	-	-	-	-	X	-
Other hazardous waste	1.5	0	1	0	99	X	0
None	2.9	X	X	X	X	X	X

**Table 6.12. Waste generated by the holding by waste type and method of treatment in Samegrelo-Zemo Svaneti region**  
**2021**

Types of waste generated	Number of holdings reporting generated waste (ths. unit)	Methods of manage waste, %					
		Waste taken away from the holding by a professional	Waste kept on the holding, treated by burning	Waste kept on the holding, treated by burying	Waste is dumped in the orderly bin	Waste was used in secondary form on the farm	Other
Non-functioning vehicles	0.4	-	-	-	-	X	-
Used tires	2.0	0	49	3	60	26	3
Waste oils	3.4	6	27	2	49	X	16
Empty packaging of plant protection products	25.8	2	59	5	43	1	0
Empty packaging of fertilizer products	39.3	1	51	3	32	23	0
Empty packaging of diesel, gasoline or other petroleum products	13.5	0	20	0	31	54	0
Empty packaging of cleaning and disinfection products	15.4	0	25	1	78	0	0
Empty packaging of seeds	7.8	0	46	2	59	0	0
Used plastic film	46.1	1	44	3	57	11	0
Ropes and nets	6.5	0	60	5	45	3	0
Plant production products that are no longer usable	1.5	2	27	36	67	X	0
Veterinary waste	3.5	0	35	23	67	X	0
Fruit-soaking fundigical liquids	0.6	-	-	-	-	X	-
Other non-hazardous organic waste	2.0	32	11	1	56	X	0
Other non-hazardousin organic waste	2.0	0	9	0	91	X	0
Other hazardous waste	0.2	-	-	-	-	X	-
None	17.8	X	X	X	X	X	X

**Table 6.13. Waste generated by the holding by waste type and method of treatment in Samtskhe-Javakheti region 2021**

Types of waste generated	Number of holdings reporting generated waste (ths. unit)	Methods of manage waste, %					
		Waste taken away from the holding by a professional	Waste kept on the holding, treated by burning	Waste kept on the holding, treated by burying	Waste is dumped in the orderly bin	Waste was used in secondary form on the farm	Other
Non-functioning vehicles	0.0	-	-	-	-	X	-
Used tires	0.6	-	-	-	-	-	-
Waste oils	0.2	-	-	-	-	X	-
Empty packaging of plant protection products	13.7	0	37	0	63	1	0
Empty packaging of fertilizer products	11.4	0	27	0	40	52	0
Empty packaging of diesel, gasoline or other petroleum products	3.5	0	1	0	60	39	0
Empty packaging of cleaning and disinfection products	2.2	0	65	0	35	0	0
Empty packaging of seeds	8.1	0	11	0	70	21	0
Used plastic film	17.6	0	46	0	64	0	0
Ropes and nets	10.7	0	12	0	35	57	0
Plant production products that are no longer usable	1.3	0	4	1	95	X	0
Veterinary waste	6.0	0	1	3	97	X	0
Fruit-soaking fundigical liquids	0.1	-	-	-	-	X	-
Other non-hazardous organic waste	2.1	0	4	10	85	X	1
Other non-hazardousin organic waste	4.0	0	0	0	100	X	0
Other hazardous waste	0.0	-	-	-	-	X	-
None	5.3	X	X	X	X	X	X

**Table 6.14. Waste generated by the holding by waste type and method of treatment in Kvemo Kartli region 2021**

Types of waste generated	Number of holdings reporting generated waste (ths. unit)	Methods of manage waste, %					
		Waste taken away from the holding by a professional	Waste kept on the holding, treated by burning	Waste kept on the holding, treated by burying	Waste is dumped in the orderly bin	Waste was used in secondary form on the farm	Other
Non-functioning vehicles	0.9	-	-	-	-	X	-
Used tires	3.5	6	87	0	45	20	0
Waste oils	2.2	18	77	17	75	X	0
Empty packaging of plant protection products	8.7	2	50	7	46	0	4
Empty packaging of fertilizer products	9.3	1	73	4	39	19	0
Empty packaging of diesel, gasoline or other petroleum products	3.6	3	44	0	53	40	0
Empty packaging of cleaning and disinfection products	6.2	3	50	5	88	0	6
Empty packaging of seeds	5.9	2	96	0	91	10	0
Used plastic film	14.0	4	61	1	86	6	1
Ropes and nets	17.8	3	71	0	62	23	0
Plant production products that are no longer usable	2.8	3	90	0	93	X	0
Veterinary waste	8.4	9	63	7	83	X	0
Fruit-soaking fundigical liquids	4.9	0	20	45	49	X	0
Other non-hazardous organic waste	3.7	3	82	11	89	X	0
Other non-hazardousin organic waste	2.4	0	96	4	100	X	0
Other hazardous waste	0.0	-	-	-	-	X	-
None	24.2	X	X	X	X	X	X

**Table 6.15. Waste generated by the holding by waste type and method of treatment in Shida Kartli region 2021**

Types of waste generated	Number of holdings reporting generated waste (ths. unit)	Methods of manage waste, %					
		Waste taken away from the holding by a professional	Waste kept on the holding, treated by burning	Waste kept on the holding, treated by burying	Waste is dumped in the orderly bin	Waste was used in secondary form on the farm	Other
Non-functioning vehicles	0.2	-	-	-	-	X	-
Used tires	0.6	-	-	-	-	-	-
Waste oils	0.2	-	-	-	-	X	-
Empty packaging of plant protection products	20.0	0	22	1	89	0	0
Empty packaging of fertilizer products	14.4	0	30	4	71	3	0
Empty packaging of diesel, gasoline or other petroleum products	5.1	0	9	0	81	18	1
Empty packaging of cleaning and disinfection products	1.3	0	0	0	88	0	12
Empty packaging of seeds	8.1	0	24	0	84	3	0
Used plastic film	11.6	0	14	0	83	14	2
Ropes and nets	6.8	0	17	4	37	65	0
Plant production products that are no longer usable	4.0	0	0	0	100	X	0
Veterinary waste	1.0	0	0	0	97	X	3
Fruit-soaking fungicidal liquids	3.7	0	0	4	96	X	0
Other non-hazardous organic waste	2.4	0	15	12	78	X	6
Other non-hazardous inorganic waste	0.0	-	-	-	-	X	-
Other hazardous waste	0.0	-	-	-	-	X	-
None	29.7	X	X	X	X	X	X

## PART 7. Social Dimension of the Holding







**Table 7.1. Share of holdings reporting hired person to perform agricultural tasks and the average salary of hired persons by region**  
**2021**

	Share of holdings reporting hire worker for carrying out simple and routine tasks, %	Share of holdings with agricultural land, reporting hire worker for carrying out simple and routine tasks, %	Average salary of hired person, GEL
<b>Georgia</b>	<b>11</b>	<b>10</b>	<b>39.5</b>
Tbilisi	0	0	49.8
Adjara AR	10	2	46.4
Guria	10	10	40.6
Imereti	9	9	34.2
Kakheti	23	20	41.0
Mtskheta-Mtianeti	2	2	44.2
Racha-Lechkhumi and Kvemo Svaneti	7	6	42.4
Samegrelo-Zemo Svaneti	8	8	45.9
Samtskhe-Javakheti	3	3	34.7
Kvemo Kartli	6	6	29.0
Shida Kartli	20	19	39.0



## **PART 8. Proportion of Agricultural Area Under Productive and Sustainable Agriculture - SDG 2.4.1**





**Table 8.1. Sustainable development goal - SDG 2.4.1**  
(sub-indicators), %  
2021

	Unsustainable	Acceptable	Desirable
Farm output value per hectare	70.5	17.4	12.1
Net Farm Income	4.1	10.9	85.0
Risk mitigation mechanisms	15.1	46.1	38.8
Prevalence of soil degradation	5.1	8.6	86.3
Variation in water availability	43.8	0.0	56.2
Management of fertilizers	32.7	27.8	39.5
Management of pesticides	39.6	16.8	43.6
Use of agro-biodiversity-supportive practices	0.0	0.0	100.0
Wage rate in agriculture	0.0	0.0	100.0
Secure tenure rights to land	5.8	12.2	82.0

**Sustainable development goal - SDG 2.4.1**  
(sub-indicators), %  
2021

