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AGRICULTURE

Commercial organizations engaged in agriculture, are organizations which achieve is to receive profit from their activities.

Households farms include personal auxiliary plots, collectively-owned gardens, farmings and kitchen gardens, as well as summer (dachyas) plots.

Agricultural output is the value of produced outputs of plant-growing and husbandry at average weighted current prices.

The indicator of its volume in comparative prices is used for calculating of agricultural product quantity index.

Output of plant-growing includes the value of materials produced while harvesting in the current year, the value of young perennial plantations, and changes in the value of work-in-progress for the current year (from the beginning to the end of the year).

Output of animal husbandry includes the value of raising and keeping livestock, poultry and other animals, as well as production of milk, eggs, honey, etc.

Total land area is the land area including internal waters within the State border.

Agricultural are the lands used to produce agricultural products. They comprise arable lands, lands under permanent crops, hayfields, and pastures.

Arable are the lands regularly cultivated and used under agricultural crops, including those under perennial grass, and also fallow lands.

Lands under permanent crops are those under perennial plantations, and nursery gardens.

Hayfields are the lands used for haymaking.

Pastures are the cultivated lands used for grazing, but not for hay-making.

Cultivated area is allocated among crops based on the economic use of their yield. The adjusted area is measured by adding up the area under safe winter crops, as well as the sowing area to spring crops.

Gross yield is estimated by measuring the harvest, taken and recorded, of main crops, and crops sown for the second time.

Animal husbandry numbers as of the 1st, January, is estimated on the basis of annual enumerations of livestock and covers all age groups of the enumerated livestock.

Sales of livestock and poultry (meat output) include all types of livestock and poultry slaughter sold to the state, in market, through own trading network, exchanged as bar-ter, own consumption etc.

Milk output is measured irrespective of whether it was sold or consumed by the farms for feeding calves or piglets. Milk consumed by sucking calves is excluded from total output and is not recorded while estimating average milk yield per cow.

Average annual milk yield per cow is calculated on the basis of the average number of cows at the beginning of a year and of each reference period. While measuring milk yield per cow in agricultural enterprises, cows on an intensive feeding, beef cows intended for slaughter, and cows separated from the stock for feeding younger animals are excluded from the total number of cows owned by the agricultural enterprises.

Eggs production covers eggs gathered during a year from all kinds of poultry, including those used for incubation, production of egg powder and other purposes.

MAIN INDICATORS OF AGRICULTURE

105. TOTAL LAND AREA AND DISTRIBUTION OF AGRICULTURAL LANDS BY TYPES

(beginning of year, thsd. hectare)

	1998
Total land area	493.7
of which:	
agricultural land	156.8
of which:	
arable land	75.5
perennial grass	7.6
fallow land	2.8
plough-land	4.6
pastures	66.3
Agricultural lands	100.0

	1998
<i>of which:</i>	
<i>arable land</i>	48.2
<i>perennial grass</i>	4.8
<i>fallow land</i>	1.8
<i>plough-land</i>	2.9
<i>pastures</i>	42.3

106. GROSS AGRICULTURAL OUTPUT

(in farms of all types, mln. drams)

Years	Agricultural output	of which	
		plant-growing production	animal husbandry production
1995#	7854.1	4278.4	3575.7
1996#	9692.1	5533.8	4158.3
1997#	11359.8	6522.2	4837.6
1998#	11631.3	6869.2	4762.1
1999#	11817.4	7017.8	4799.6

107. VOLUME INDICES OF AGRICULTURAL OUTPUT*

(at comparable prices, in percents to previous year)

Years	Agricultural output	of which	
		plant-growing production	animal husbandry production
1996	123.4	129.3	116.3
1997	117.2	117.9	116.3
1998	102.4	105.3	98.4
1999	108.5	110.0	106.4

* 1995, 1996, 1997 and 1998 indices are nominal.

108. GROSS AGRICULTURAL OUTPUT BY TYPES OF FARMS

(mln. drams)

	1995	1996	1997	1998	1999
<i>Farms of all types</i>					
<i>Agriculture</i>	7854.1	9692.1	11359.8	11631.3	11817.4
<i>Plant-growing</i>	4278.4	5533.8	6522.2	6869.2	7017.8
<i>Animal husbandry</i>	3575.7	4158.3	4837.6	4762.1	4799.6
<i>Commercial organizations</i>					
<i>Agriculture</i>	4426.6	5518.9	6660.6	5497.9	381.5
<i>Plant-growing</i>	3467.7	4399.5	5507.4	4477.0	141.0
<i>Animal husbandry</i>	958.9	1119.4	1153.2	1020.9	240.5
<i>Household's plots</i>					
<i>Agriculture</i>	3427.5	4173.2	4699.2	6133.4	11435.9
<i>Plant-growing</i>	810.7	1134.3	1014.8	2392.2	6876.8
<i>Animal husbandry</i>	2616.8	3038.9	3684.4	3741.2	4559.1

MATERIAL AND TECHNICAL BASE OF AGRICULTURE**109. AVAILABILITY OF AGRICULTURAL MACHINERY**

(units)

	1995	1996	1997	1998	1999
Tractors	953	954	899	1021	890
Trucks	798	727	622	911	834
Tractor plows	616	603	563	557	412
Seeding machines	221	219	208	211	220
Cultivators	164	146	134	138	114
Harvesters:					
grain	177	180	172	187	195
silage and feed	117	126	120	115	65
Tractor for mowing hay	102	118	97	97	61

PLANT-GROWING**110. MAIN AGRICULTURAL CROPS UNDER CULTIVATED AREAS**

(hectares)

	1995	1996	1997	1998	1999
<i>Farms of all types</i>					
Total sowing area	25317.3	38164.1	42383.7	43030.0	29275.7
Grains	21236.0	34460.8	38801.3	39793.0	26503.8
Industrial crops	104.0	50.7	1.2	39.4	246.0
Potatoes	811.0	833.0	882.8	914.8	1052.7
Vegetables	540.0	561.9	683.7	808.4	1029.3
Field crops	17.0	24.0	35.3	119.5	213.2
Forage crops	2609.3	2233.7	1979.4	1354.9	230.7
<i>In per cent of total cultivated areas</i>					
Total sowing area	100.0	100.0	100.0	100.0	100.0
Grains	83.9	90.3	91.5	92.5	90.6
Industrial crops	0.4	0.1	-	0.1	0.8
Potatoes	3.2	2.2	2.1	2.1	3.6
Vegetables	2.1	1.5	1.6	1.9	3.5
Field crops	0.1	-	0.1	0.3	0.7
Forage crops	10.3	5.9	4.7	3.1	0.8
<i>Commercial organizations</i>					
Total sowing area	23945.7	36607.6	39809.3	39153.7	8577
Grains	20692.5	33867.5	37524.1	37478.7	8125.5
Industrial crops	101.5	49.9	-	36	208.8
Potatoes	252.9	160.9	95.6	92.2	82.7
Vegetables	277.3	284.2	195.7	168.3	31
Field crops	12.2	14.3	17.9	24.1	1
Forage crops	2609.3	2230.8	1976	1354.4	128

Contents

	1995	1996	1997	1998	1999
<i>In per cent of total cultivated areas</i>					
Total sowing area	100.0	100.0	100.0	100.0	100.0
Grains	86.4	92.5	94.3	95.7	94.7
Industrial crops	0.4	0.1	-	0.1	2.4
Potatoes	1.1	0.4	0.2	0.2	1.0
Vegetables	1.2	0.8	0.5	0.4	0.4
Field crops	0.1	0.0	0.0	0.1	0.0
Forage crops	10.9	6.1	5.0	3.5	1.5
<i>Household's plots</i>					
Total sowing area	1371.6	1556.5	2574.4	3876.3	20698.7
Grains	543.5	593.3	1277.2	2314.3	18378.3
Industrial crops	2.5	0.8	1.2	3.4	37.2
Potatoes	558.1	672.1	787.2	822.6	970.0
Vegetables	262.7	277.7	488	640.1	998.3
Field crops	4.8	9.7	17.4	95.4	212.2
Forage crops	-	2.9	3.4	0.5	102.7
<i>In per cent of total cultivated areas</i>					
Total sowing area	100.0	100.0	100.0	100.0	100.0
Grains	39.6	38.1	49.6	59.7	88.8
Industrial crops	0.2	0.1	-	0.1	0.2
Potatoes	40.7	43.2	30.6	21.2	4.7
Vegetables	19.2	17.8	19.0	16.5	4.8
Field crops	0.3	0.6	0.7	2.5	1.0
Forage crops	-	0.2	0.1	-	0.5

111. OUTPUT OF MAIN TYPES OF PLANT-GROWING PRODUCTION

	1995	1996	1997	1998	1999
<i>Farms of all types</i>					
Grains, t	28749.0	39066.4	36701.2	29047.2	32630.6
Potatoes, t	4525.4	6984.1	5004.2	8722.5	9033.8
Vegetables, t	4453.4	7616.8	5122.0	8571.4	8871.4
Field crops, t	15.9	76.1	240.8	987.0	1127.5
Fruit and berries, t	2062.0	1513.2	1225.1	1411.6	1874.6
Grape, t	3149	3895.2	3801.8	3373.8	2046.0
Mulberry, t	1361.9	1882.8	2337.8	3412.1	4394.0
<i>Commercial organizations</i>					
Grains, t	28095.2	38671.1	35420.5	26415.1	8910.8
Potatoes, t	747.0	1293.1	585.7	1622.9	379.0
Vegetables, t	1728.0	2925.7	2241.0	2956.8	237.7
Field crops, t	15.9	76.1	239.5	508.3	9.0
Fruit and berries, t	1449.0	1317.9	108.4	196.6	4.5
Grape, t	2979.1	3690.5	3627.8	3053.3	24.5
Mulberry, t	1163.0	1658.0	1152.9	820.5	67.0
<i>Household's plots</i>					
Grains, t	653.8	395.3	1280.7	2632.1	23719.8

Contents

Potatoes, t	3778.4	5691.0	4418.5	7099.6	8654.8
Vegetables, t	2725.4	4691.1	2881.0	5614.6	8633.7
Field crops, t	-	-	1.3	478.7	1118.5
Fruit and berries, t	613.0	195.3	1116.7	1215.0	1870.1
Grape, t	169.9	204.7	174.0	320.5	2021.5
Mulberry, t	198.9	224.8	1184.9	2591.6	4327

112. GROSS YIELD AND CROP EARNINGS OF MAIN AGRICULTURAL CROPS

(in farms of all types)

	1995	1996	1997	1998	1999
Gross yield, t					
Grains	28749.0	39066.4	36701.2	29047.2	32630.6
of which:					
wheat (winter and spring)	22312.8	30495.7	29848.3	24578.2	29104.3
Tobacco	6.0	15.4	-	-	233.3
Potatoes	4525.4	6984.1	5004.2	8722.5	9033.8
Vegetables	4453.4	7616.8	5122.0	8571.4	8871.4
Yield capacity, centners per hectare					
Grains	13.5	11.3	9.5	7.3	12.3
of which:					
wheat (winter and spring)	14.2	11.9	9.8	7.4	12.5
Tobacco	12.5	6.1	-	-	9.5
Potatoes	55.8	83.8	57.0	95.3	85.8
Vegetables	82.5	135.5	74.9	106.0	86.2

113. GROSS YIELD AND CROP EARNINGS OF GRAINS

(in farms of all types, tons)

	1995	1996	1997	1998	1999
Gross yield					
Winter and spring wheat	22312.8	30495.7	29848.3	24578.2	29104.3
Winter and spring barley	4570.0	7723.4	5264.1	3323.7	2384.7
Maize for grain	693.0	338.0	935.7	867.8	677.7
Oats	172.0	60.3	136.5	10.0	-
Spelt	524.0	203.5	173.2	94.0	101.1
Leguminous plants	477.2	245.5	343.4	173.5	362.8
Yield capacity, centners per hectare					
Winter and spring wheat	14.2	11.9	9.8	7.4	12.5
Winter and spring barley	12.8	10.6	7.6	6.5	12.0
Maize for grain	8.8	6.7	18.2	12.6	8.4
Oats	10.4	4.1	10.1	2.0	-
Spelt	9.9	5.8	11.8	5.6	7.6
Leguminous plants	10.0	4.1	6.6	3.2	9.9

114. GROSS YIELD AND PRODUCTIVITY OF FORAGE CROPS*(in farms of all types, tons)*

	1995	1996	1997	1998	1999
Gross yield					
Maize for silage and green feed (stems and ears)	3431.3	1405.2	6137.6	3632.5	105.6
Fodder root crops (including sugar beet for forage)	243.5	188.3	305.5	11.7	1.3
Hay and green forage, total	15686.0	16676.3	11950.2	20293.3	17394.8
of which:					
perennial grasses' hay	8521.9	9503.1	5860.4	3223.7	126.1
annual grasses' hay	1573.0	1393.6	539.9	418.0	501.2
natural hayfield's hay	5591.1	5779.6	5549.9	16651.6	16767.5
Yield capacity, centners per hectare					
Maize for silage and green feed (stems and ears)	43.6	17.1	86.0	62.6	37.4
Fodder root crops (including sugar beet for forage)	59.8	78.1	272.7	27.9	6.5
Perennial grasses' hay of previous years	51.5	59.9	69.4	55.7	-
Annual grasses' hay	26.1	43.2	17.6	27.9	-
Natural hayfield's hay	18.9	18.3	13.4	20.7	28.7

115. AREA FOR FRUIT AND BERRIES PLANTATIONS AND VINEYARDS*(in farms of all types, hectares)*

	1995	1996	1997	1998	1999
Area of fruit and berries plantations	1490.0	2090.2	1994.5	2102.5	1125.8
of which those at fruit-bearing age	1483.0	1943.9	1913.2	1973.8	1106.1
Area of grape plantations	2691.5	3758.1	3741.4	3933.9	1009.8
of which those at fruit-bearing age	2691.5	3463.6	3496.7	3652.7	1009.8
Mulberry trees	851.0	1443.7	1260.7	1403.3	604.1
of which those at fruit-bearing age	840.0	1248.3	1172.3	1315.2	589.9

116. GROSS YIELD AND PRODUCTIVITY OF FRUIT, BERRIES AND GRAPE*(in farms of all types)*

Years	Gross harvest of fruit, berries grape, t	of which			Yeilds capacity, centners per ha		
		fruit and berries	grape	mulberry	fruit and berries plantations	grape plantations	mulerry plantations
1995	6573.0	2062.0	3149.0	1362.0	13.9	11.7	16.2
1996	7291.2	1513.2	3895.2	1882.8	7.8	11.2	15.1
1997	7364.7	1225.1	3801.8	2337.8	6.4	10.9	19.9
1998	8197.5	1411.6	3373.8	3412.1	7.2	9.2	25.9
1999	8314.6	1874.6	2046.0	4394.0	16.9	20.3	72.7

ANIMAL HUSBANDRY**117. OUTPUT OF MAIN ANIMAL HUSBANDRY PRODUCTS**

Years	Meat (live weight), t	Milk, t	Eggs, thsd. pieces	Wool (physical weight), t
Farms of all types				
1995	1919.0	18395.0	4817.4	26.0
1996	2434.2	22819.0	5324.5	23.5
1997	2501.3	23891.6	5419.6	29.0
1998	2808.6	20522.9	6281.3	44.4
1999	2661.0	21254.5	7738.6	46.3
Commercial organizations				
1995	643.4	4561.6	456.1	1.3
1996	989.5	4222.6	557.2	1.0
1997	921.9	3925.4	487.1	0.1
1998	898.9	3330.5	344.7	1.1
1999	269.0	676.7	73.7	0.3
Household's plots				
1995	1275.6	13833.4	4361.3	24.7
1996	1444.7	18596.4	4767.3	22.5
1997	1579.4	19966.2	4932.5	28.9
1998	1909.7	17192.4	5936.6	43.3
1999	2392.0	20577.8	7664.9	46.0

118. NUMBER OF LIVESTOCK AND POULTRY*(at the end of year, heads)*

	1995	1996	1997	1998	1999
Farms of all types					
Cattle	33079	34447	31861	30857	34206
of which cows	15709	16082	15245	15374	16391
Sheep and rams	32590	34469	33280	37356	39133
Pigs	11908	13752	14087	23189	16692
Horses	1604	1758	1816	1966	1985
Poultry	131819	133608	131630	161637	172252
Commercial organizations					
Cattle	11131	10768	9247	5982	1011
of which cows	3859	3521	3125	2261	353
Sheep and rams	1469	934	907	696	174
Pigs	5795	7013	5208	5522	533
Horses	105	122	122	119	3
Poultry	34273	34533	19653	13803	2425
Household's plots					
Cattle	21948	23679	22614	24875	33195
of which cows	11850	12561	12120	13113	16038
Sheep and goats	31121	33535	32373	36660	38959
Pigs	6113	6739	8879	17667	16159

Contents

<i>Horses</i>	1499	1636	1694	1847	1982
<i>Poultry</i>	97546	99075	111977	147834	169827

119. PRODUCTIVITY OF LIVESTOCK AND POULTRY*(kilograms)*

	1995	1996	1997	1998	1999
<i>Milk yield per cow</i>	1146	1418	1567	1317	1397
<i>Average annual wool clip per sheep</i>	1.87	1.53	2.0	1.85	1.75
<i>Average annual egg-laying ability of laying hens, pieces</i>	57	63	82	80	113

120. PRODUCTION OF MAIN AGRICULTURAL GOODS PER CAPITA*(kilograms)*

	1995	1996	1997	1998	1999
<i>Meat (live weight)</i>	15.2	18.5	18.5	20.5	19.1
<i>Milk</i>	145.5	173.7	177.1	150.1	152.5
<i>Eggs, pieces</i>	38.0	40.5	40.2	45.9	55.5
<i>Grains</i>	227.4	297.3	272.1	212.5	234.1
<i>Vegetables</i>	35.2	58.0	38.0	62.7	63.6
<i>Field crops</i>	0.1	0.6	1.8	7.2	8.1
<i>Potatoes</i>	35.8	53.2	37.1	63.8	64.8
<i>Fruit and berries</i>	16.3	11.5	9.1	10.3	13.4
<i>Grape</i>	24.9	29.6	28.2	24.7	14.7