

Agriculture in Mazowieckie Voivodship in 2018

13th June 2019

↑ 10.2%

Increase in the total area of agricultural holdings

In June 2018, the total area of agricultural holdings in Mazowieckie Voivodship amounted to 2474.5 thousand ha. Compared with 2017, both the total area of agricultural holdings and the agricultural land area increased. In December 2018, the number of cattle, pigs, poultry and sheep increased in annual terms.

Area of agricultural holdings in Mazowieckie Voivodship accounted for 15.1% of the total area of agricultural holdings in the country

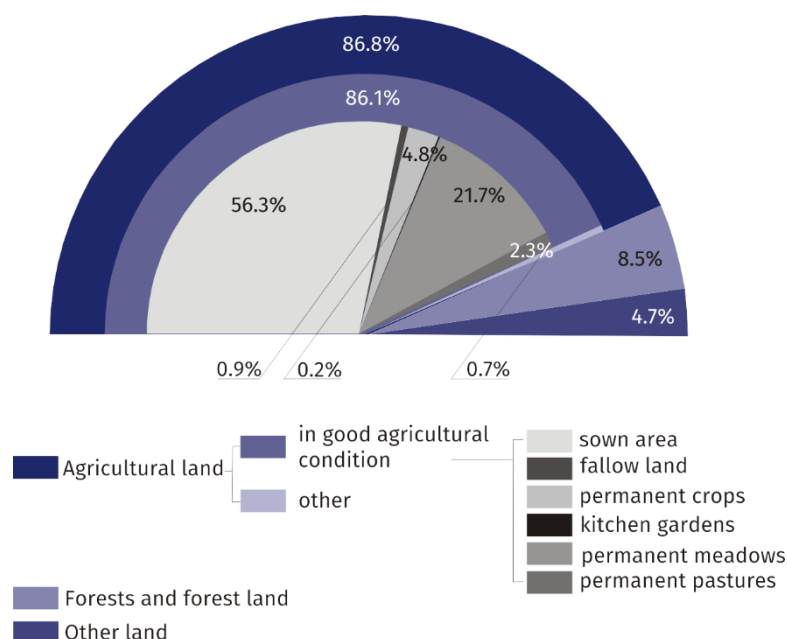
Land use

In 2018, the total area of agricultural holdings whose holders had a seat in Mazowieckie Voivodship, amounted to 2474.5 thousand ha and in comparison with 2017 was higher by 230.0 thousand ha (by 10.2%). Private farms occupied 2436.3 thousand ha, i.e. over 98% of the total area of agricultural holdings.

Agricultural land in agricultural holdings occupied 2148.2 thousand ha, constituting 86.8% of the total area. In comparison with 2017, the area of this land increased by 208.6 thousand ha (by 10.8%). Agricultural land in a good agricultural condition occupied 2131.2 thousand ha, i.e. 99.2% of the agricultural land area, while the area of other agricultural land amounted to 17.0 thousand ha and accounted for 0.8%.

In the internal structure of agricultural land, the largest area accounted for sown area – 1394.2 thousand ha, followed by permanent grassland – 592.3 thousand ha, with permanent meadows cultivated on the area of 536.4 thousand ha, and permanent pastures on the area of 55.8 thousand ha. Permanent crops occupied 117.7 thousand ha. Fallow land area (including the crop area intended for ploughing of plants cultivated as major crops) amounted to 23.1 thousand ha. Kitchen gardens occupied 3.9 thousand ha.

Chart 1. Structure of land use in agricultural holdings in 2018



Crop output

In 2018, the sown area amounted to 1394.2 thousand ha and accounted for almost two-thirds of the total area of agricultural land. In comparison with the previous year, it was bigger by 151.2 thousand ha. The crop structure was dominated by cereals, which occupied the area of 1064.6 thousand ha, i.e. 76.4% of sown area. The area under cereals was bigger than in the previous year by 16.9%.

In comparison with 2017, there was an increase in the area under, among others, maize for grain (by 45.7%), barley (by 44.5%), mixed cereals (by 24.8%), rye (by 19.6%) and triticale (by 14.5%); Moreover, the area under sugar beets increased as well (by 6.8%), but the share of rape and turnip rape (by 26.2%), potatoes (by 18.8%) and edible pulses (by 1.6%) decreased.

The decrease in potato output was the result of both a decrease in the area of these crops as well as lower yields. The increase in production of sugar beets was a result of an increase in the crop area, since the yields were lower. The increase in production of rape and turnip rate was caused by higher yields.

Sown area occupied the largest part of agricultural land area

Chart 2. Structure of sown area under cereals

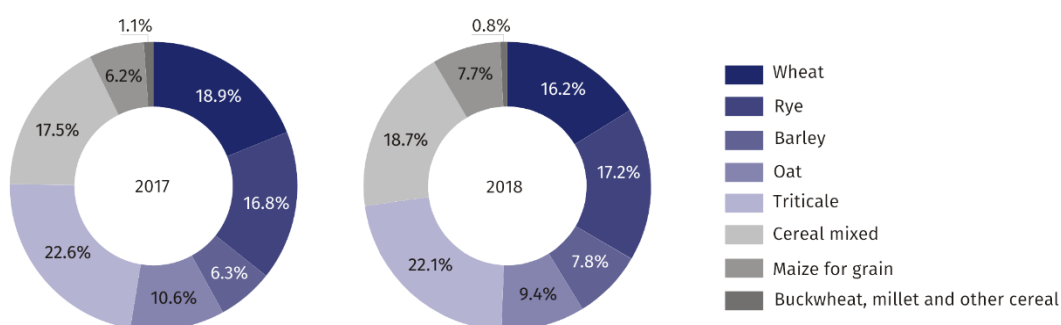
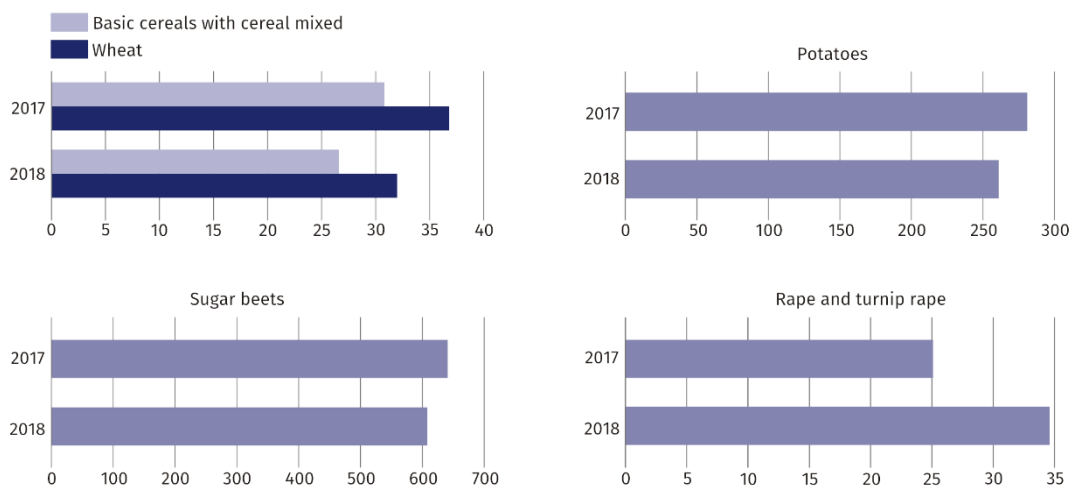


Chart 3. Yields of major crops (in dt/ha)

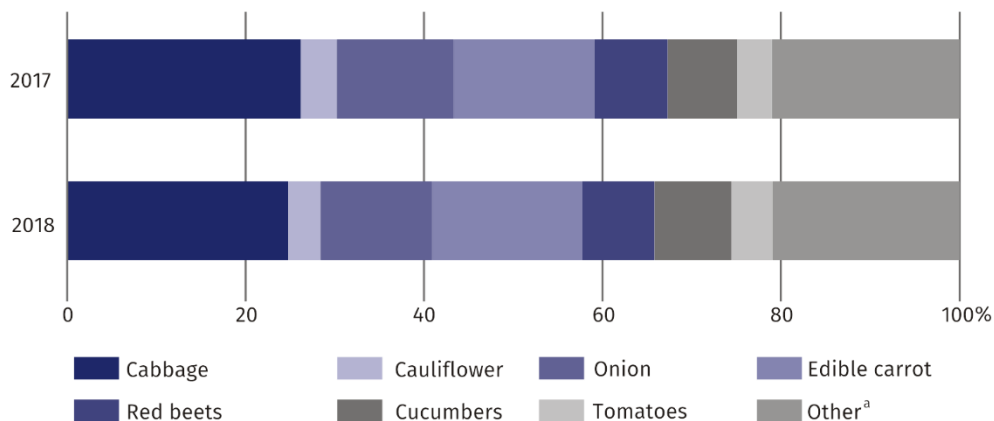


In 2018, the total tree fruit production in orchards was estimated at 1982.3 thousand tonnes, i.e. at the level by 60.1% higher compared to a very low production in the previous year. Apple production, which dominates orchard production (constituting over 92%), was higher by 54.7%. The harvest of pears was also higher by more than a half (by 51.5%). The production of sweet cherries (seven times more), cherries (three and a half times more) and plums (two and a half times more) was record-high.

Tree fruit production in Mazowieckie Voivodship accounted for 44% of the national production

In 2018, the total vegetable production amounted to 695.0 thousand tonnes and was by 0.1% lower than in the previous year.

Chart 4. Structure of ground vegetable production



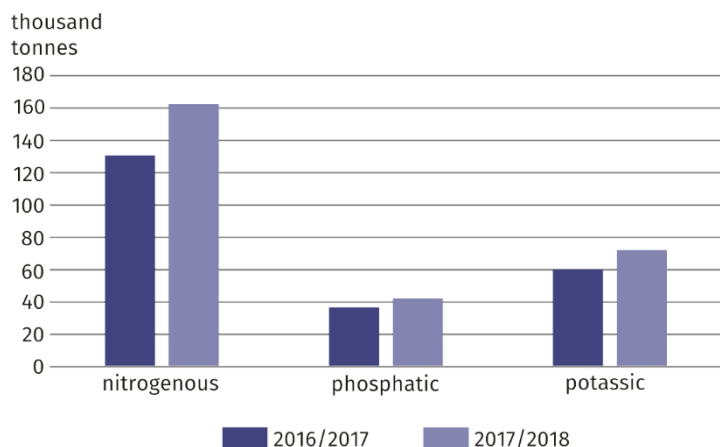
^a Parsley, leeks, celeries, radish, lettuce, rhubarb and other.

Means of production

In Mazowieckie Voivodship in the 2017/2018 farming year, the consumption of mineral fertilizers (NPK) amounted to 276.9 thousand tonnes and in comparison with the 2016/2017 farming year it was higher by 49.4 thousand tonnes (by 21.7%). Under the 2018 harvest, 162.5 thousand tonnes of nitrogenous fertilizers (58.7% of the total mineral fertilizers) were sown, 42.3 thousand tonnes phosphatic fertilizers (15.3%) and 72.2 thousand tonnes of potassic fertilizers (26.1%). In comparison with the previous period, the consumption of nitrogenous fertilizers increased by 31.7 thousand tonnes (by 24.2%), potassic – by 5.6 thousand tonnes (by 15.2%), and phosphatic – by 12.1 thousand tonnes (by 20.1%).

Increase in mineral fertilizer consumption by almost 22%

Chart 5. Mineral fertilizers consumption (NPK)



Average consumption of mineral fertilizers per 1 ha of agricultural land amounted to 128.9 kg NPK, of which per 1 ha of agricultural land in good agricultural condition 129.9 kg (in the farming year 201/2017, respectively 117.3 kg and 118.0 kg).

Consumption of lime fertilizers amounted to 99.7 thousand tonnes and was higher by 57.3% than in the farming year 2016/2017. In Mazowieckie Voivodship an average of 46.4 kg of lime fertilizers were used per 1 ha of agricultural land, of which per 1 ha of agricultural land in good agricultural condition – 46.8 kg.

Livestock

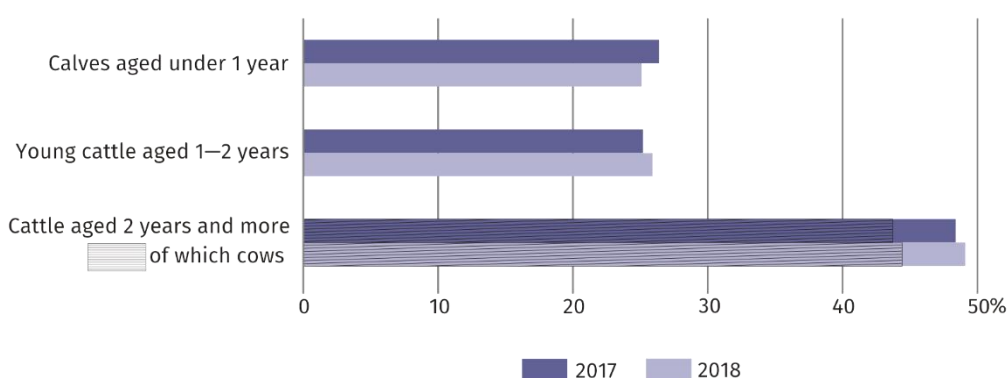
In December 2018, the total number of cattle amounted to 1174.2 thousand heads and increased by 51.9 thousand heads, i.e. by 4.6% compared to 2017. The increase in the number of cattle in total resulted from the increase in the number of young cattle aged 1–2 years by 7.5% and adult cattle aged 2 and more by 6.0%. A slight decrease was recorded in the group of calves — by 0.7%. Private farms maintained 99.4% of cattle in the voivodship.

In comparison with the previous year, an increase by 4.6% was recorded in the number of cattle

In the structure of cattle, the share of young cattle aged 1–2 increased on a yearly basis, and the share of adult cattle aged 2 and more, of which cows increased as well (by 0.7 pp each), on the other hand the share of calves aged under 1 year decreased (by 1.3 pp).

The total number of cattle, of which cows, per 100 ha of agricultural land amounted to 54.7 and 24.3 heads, compared to 57.9 and 25.3 heads in December 2017.

Chart 6. Structure of cattle stock by age and utility groups
As of December

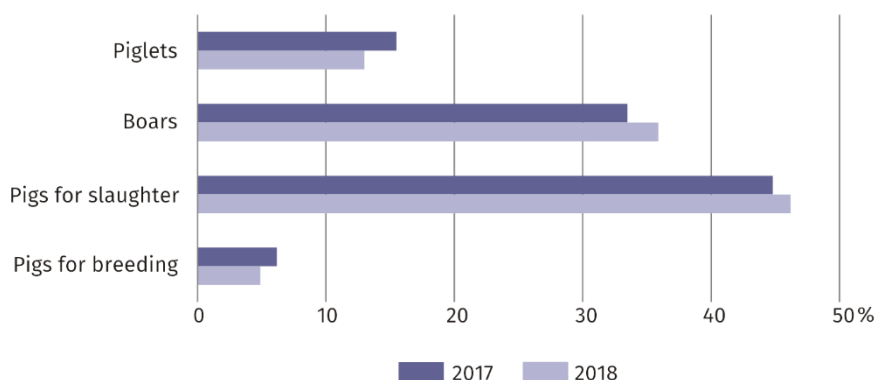


The pig stock, as of December 2018, amounted to 1163.0 thousand heads and was larger by 52.1 thousand heads (by 4.7%) than a year before. The number of sows for breeding amounted to 56.1 thousand heads, i.e. less by 16.3% than in December 2017. Private farms maintained 96.9% of the voivodship pig stock.

In comparison with the structure of pig stock registered in December 2017, the share of boars (by 2.4 pp) as well as pigs for slaughter (by 1.4 pp) increased, whereas the share of piglets (by 2.5 pp) as well as pigs for breeding (by 1.3 pp) decreased.

The total number of pigs, of which sows for breeding, per 100 ha of agricultural land amounted to 54.1 and 2.6 heads, respectively, and in December 2017 – 57.3 and 3.5 heads.

Chart 7. Structure of pigs by production and utility groups
As of December



In comparison with the previous year, an increase in the number of pigs by 4.7% was recorded, and a decrease in the number of sows for breeding by 16.3%

Sheep population in December 2018, amounted to 6.9 thousand heads and increased in comparison with the previous year by 0,7 thousand heads, i.e. by 11.4%. Private farms maintained 97.5% of the voivodship sheep population.

The sheep population per 100 ha of agricultural land, as in the previous year, amounted to 0.3 heads.

In December 2018, the total poultry population amounted to 47800.0 thousand heads and was larger by 7747.6 thousand heads, i.e. by 19.3% compared to 2017. Private farms maintained 88.3% of the voivodship poultry population. In the structure of total poultry, 93.8% accounted for poultry – hens, cocks and broilers (flaws), of which laying-hens – 28.1%.

The poultry population per 100 ha of agricultural land amounted to 2225 heads (in 2017 – 2065).

Table 1. Land use in agricultural holdings by types of agricultural land in 2018

SPECIFICATION	Agricultural land						
	total	in good agricultural condition					unutilised agricultural land
		sown area	fallow land	perma- nent crops	perma- nent me- adows and pa- stures	kitchen gardens	
in hectares							
Grand total	2148222	1394183	23106	117725	592278	3907	17024
Of which private farms	2116603	1371036	22372	117501	586395	3903	15395
in percent							
Grand total	100,0	64,9	1,1	5,5	27,6	0,2	0,8
Of which private farms	100,0	64,8	1,1	5,6	27,7	0,2	0,7

Table 2. Cattle, sheep and poultry in 2018

SPECIFICATION	June		December	
	in heads	previous year=100	in heads	previous year=100
Cattle	1152959	102,6	1174233	104,6
Calves aged under 1 year	282669	96,8	294530	99,3
Young cattle aged 1–2 years	290010	101,9	303579	107,5
Cattle aged 2 years and more	580279	106,2	576125	106,0
of which cows	516957	105,4	521761	106,3

Table 2. Cattle, sheep and poultry in 2018 (cont.)

SPECIFICATION	June		December	
	in heads	previous year=100	in heads	previous year=100
Sheep	7632	123,4	6922	111,4
Of which ewes	3852	103,1	3767	102,1
Poultry	41600076	95,9	47800015	119,3
Of which poultry – hens, cocks and broilers (fowls)	38659428	94,6	44817635	118,1

Table 3. Pigs in 2018

SPECIFICATION	March		June		December	
	in heads	previous year= =100	in heads	previous year= =100	in heads	previous year= =100
Total	1257994	126,3	1256138	125,7	1162980	104,7
Piglets of weight up to 20 kg	255396	156,9	215003	104,9	151158	87,5
Young pigs of weight from 20 kg up to 50 kg	368076	120,5	413021	126,6	417647	112,2
Pigs for slaughter of weight 50 kg and more	562174	122,1	557050	137,7	536843	107,9
Pigs for breeding of weight 50 kg and more	72349	107,5	71064	112,4	57332	83,7
of which sows	70757	107,2	69644	112,4	56145	83,7

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Related information

[Agriculture of Mazowieckie Voivodship compared to the country and other voivodships in 2017](#)

Data available in databases

[Local Data Bank](#)

Terms used in official statistics

[agricultural land](#)

[unutilised agricultural land](#)

[forests and forest land area](#)

[other land area](#)

[area of holding](#)

[livestock](#)

Evaluate
the study