

# Agriculture in Mazowieckie voivodship in 2017

13.06.2018

**↑ 1.5%**

Increase in the total area of agricultural holdings

In June 2017, there were 215.1 thous. agricultural holdings in Mazowieckie voivodship with a total area of 2 244.5 thous. ha. Compared with 2016, both the total area of agricultural holdings and the agricultural land area increased. In December 2017, the number of cattle and pigs increased in annual terms, while the number of sheep decreased.

Area of agricultural holdings in Mazowieckie voivodship accounted for 13.7% of the total area of agricultural holdings in the country

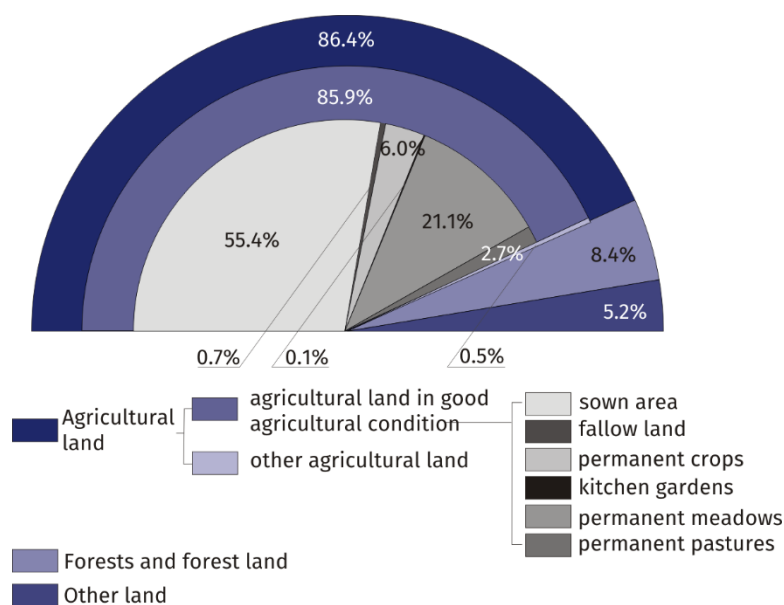
## Land use

In 2017, the total area of agricultural holdings whose holders had a seat in the area of Mazowieckie voivodship, amounted to 2 244.5 thous. ha and in comparison with 2016 was higher by 33.0 thous. ha (by 1.5%). In the use of private farms there were 2 209.6 thous. ha, i.e. over 98% of the total area of agricultural holdings.

Agricultural land in agricultural holdings occupied 1 939.6 thous. ha, constituting 86.4% of the total area. In comparison with 2016, the area of this land increased by 19.5 thous. ha (by 1.0%). Agricultural land in a good agricultural condition occupied 1 928.9 thous. ha, i.e. 99.4% of the agricultural land area, while the area of other agricultural land amounted to 10.7 thous. ha and accounted for 0.6% of the agricultural land area.

In the internal structure of agricultural land, the largest area accounted for sown area – 1 243.0 thous. ha, followed by permanent grassland – 532.9 thous. ha, with permanent meadows cultivated on the area of 472.8 thous. ha, and permanent pastures on the area of 60.2 thous. ha. Permanent crops occupied 133.7 thous. ha. Fallow land area (including the crop area intended for ploughing of plants cultivated as major crops) amounted to 16.8 thous. ha. Kitchen gardens occupied 2.5 thous. ha.

Figure 1. Structure of land use in agricultural holdings in 2017

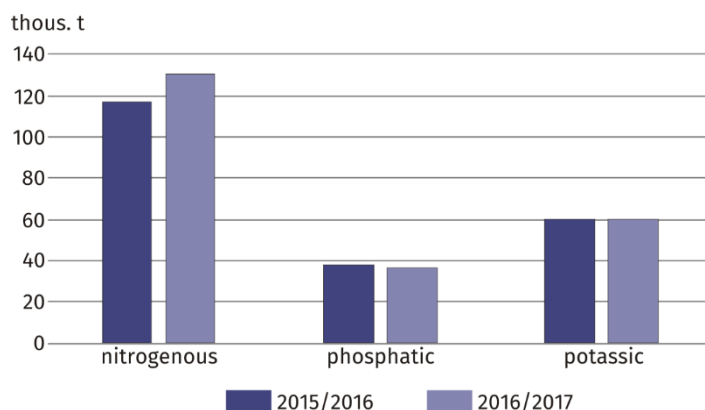


## Means of production

In Mazowieckie voivodship in the 2016/2017 farming year, the consumption of mineral fertilizers (NPK) amounted to 227.5 thous. tonnes and in comparison with the 2015/2016 farming year was higher by 12.6 thous. tonnes (by 5.9%). Under the 2017 harvest, 130.7 thous. tonnes of nitrogenous fertilizers (57.5% of the total mineral fertilizers) were sown, 36.7 thous. tonnes phosphatic fertilizers (16.1%) and 60.1 thous. tonnes potassic fertilizers (26.4%). In the case of nitrogenous and potassic fertilizers, it was respectively by 13.9 thous. tonnes (11.9%) and 0.3 thous. tonnes (0.5%) more than in the previous year, whereas in the case of phosphatic fertilizers by 1.6 thous. tonnes (4.1%) less.

Increase in mineral fertilizer consumption by almost 6%

Figure 2. Mineral fertilizer consumption (NPK)



Average consumption of mineral fertilizers per 1 ha of agricultural land amounted to 117.3 kg NPK, of which per 1 ha of agricultural land in good agricultural condition 118.0 kg (in the farming year 2015/2016, respectively 111.9 kg and 113.0 kg).

Consumption of lime fertilizers amounted to 63.4 thous. tonnes and was smaller by 16.9% than in the farming year 2015/2016. In Mazowieckie voivodship an average of 32.7 kg of lime fertilizers per 1 ha of agricultural land were used, of which per 1 ha of agricultural land in good agricultural condition – 32.9 kg.

## Crop output

In 2017, the sown area amounted to 1243.0 thous. ha and accounted for almost two-thirds of the total area of agricultural land. In comparison with the previous year, it was bigger by 35.6 thous. ha. The crop structure was dominated by cereals, which occupied the area of 910.9 thous. ha, i.e. 73.3% of sown area. The area under cereals was bigger than in the previous year by 5.5%.

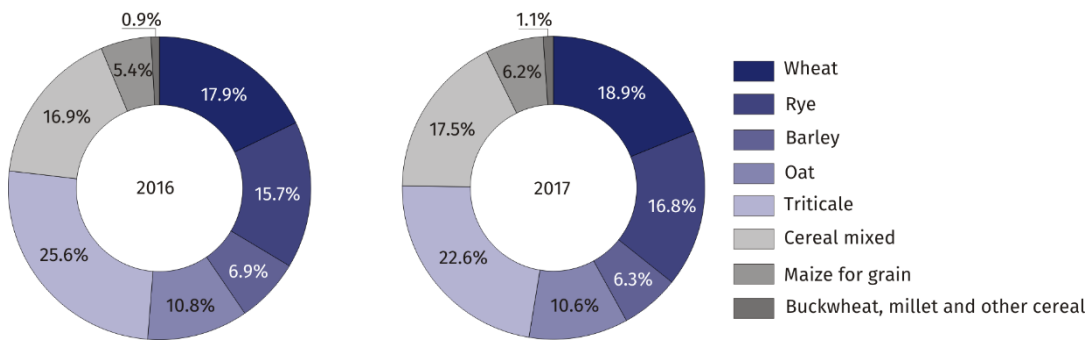
Sown area occupied the largest part of agricultural land area

In comparison with 2016, there was an increase in the area under maize for grain (by 19.9%), rye (by 13.4%), wheat (by 11.2%), mixed cereals (by 9.4%) and oat (by 4.4%); however the share of triticale (by 6.7%) and barley (by 2.5%) decreased.

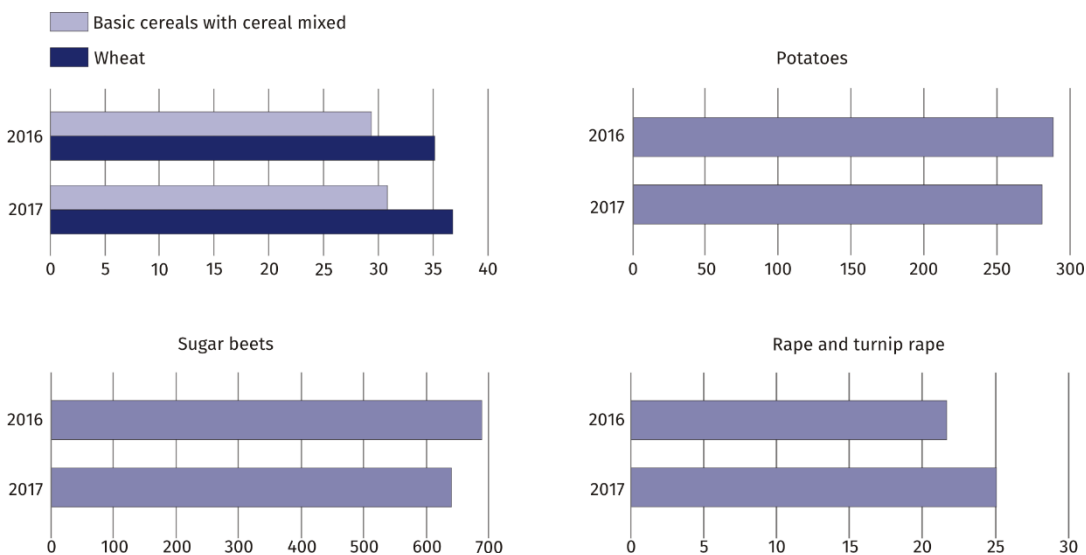
In comparison with the previous year, the area under edible pulses decreased (by 59.0%), however there was an increase in the area under rape and turnip rape (by 41.2%), sugar beets (by 43.2%) and potatoes (including kitchen gardens) – by 13.4%.

Production of most major crops was higher than in the previous year. The increase in rape and turnip rape and most types of cereals was the result of both an increase in the area of these crops as well as higher yields. The increase in the production of sugar beets and potatoes was a result of an increase in the crop area, since the yields were lower.

**Figure 3. Structure of sown area under cereals**



**Figure 4. Yields of major crops (in dt/ha)**

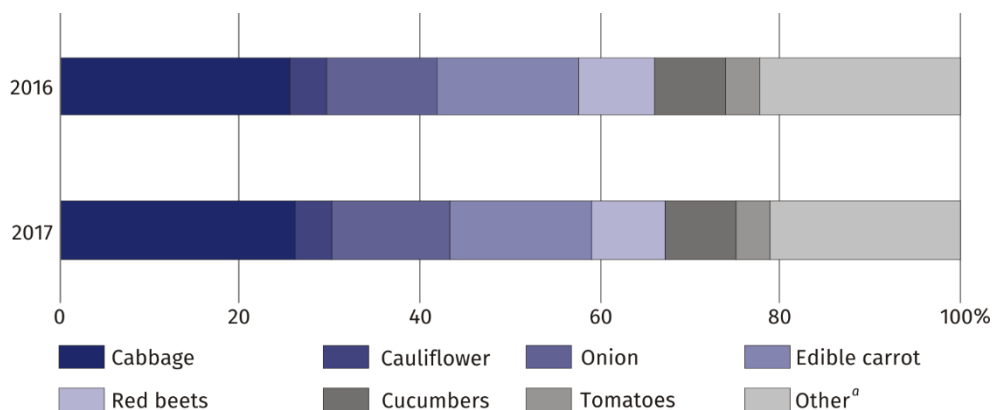


Frost that took place in the second decade of April, and then in the first decade of May was the cause of very high losses in orchard production, and thus very poor yields. In 2017, the total tree fruit production (excluding production outside orchards) was estimated at 1 238.5 thous. tonnes, i.e. at the level by 34.3% lower than a year earlier. Apple production, which dominates orchard production (constituting over 95%), was lower by 32.0%. Significantly lower was production of sweet cherries (by 83.8%), cherries (by 71.4%), plums (by 55.9%) and pears (by 30.2%).

In 2017, the total vegetable production amounted to 695.8 thous. tonnes and was by 2.2% higher than in the previous year.

Tree fruit production in Mazowieckie voivodship accounted for nearly 50% of national production

**Figure 5. Structure of ground vegetable production**



<sup>a</sup> Parsley, leeks, celeries, radish, lettuce, rhubarb and other.

**Livestock**

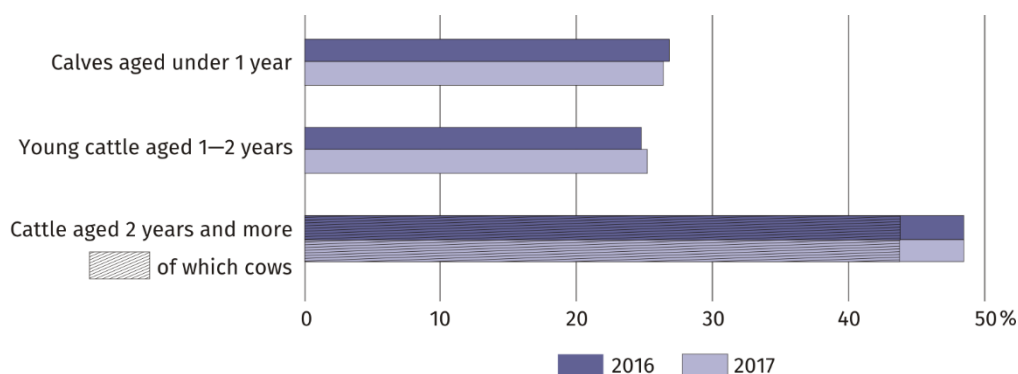
In December 2017, the total number of cattle amounted to 1 122.3 thous. heads and increased by 23.8 thous. heads, i.e. by 2.2% compared to the state recorded in 2016. Private farms maintained 99.4% of cattle in the voivodship.

In comparison with the previous year, an increase by 2.2% was recorded in the number of cattle

In the structure of cattle on a yearly basis, the share of young cattle aged 1–2 increased (by 0.4 pp), while the share of calves aged under 1 year and cows decreased (by 0.4 and 0.1 pp) The share of adult cattle aged 2 and more, which amounted to 48.4%.

The total number of cattle, of which cows, per 100 ha of agricultural land amounted to 57.9 and 25.3 heads, compared to 57.2 and 25.1 heads in December 2016.

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



The pig stock, as of December 2017, amounted to 1 110.9 thous. heads and was larger by 176.5 thous. heads (by 18.9%) than a year before. The number of sows for breeding amounted to 67.1 thous. heads, i.e. more by 3.9% than in December 2016. Private farms maintained 96.6% of the voivodship pig stock.

In comparison with the previous year, an increase in the number of pigs by 18.9% was recorded, of which sows for breeding by 3.9%

In comparison with the structure of pig stock registered in December 2016, the share of boars (by 4.4 pp) as well as pigs for slaughter (by 2.1 pp) increased, whereas the share of piglets (by 5.6 pp) as well as pigs for breeding (by 0.9 pp) decreased.

The total number of pigs, of which sows for breeding, per 100 ha of agricultural land amounted to 57.3 and 3.5 heads, respectively, and in December 2016 – 48.7 and 3.4 heads.

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



Sheep population in December 2017, amounted to 6.2 thous. heads and decreased in comparison with the state recorded a year before by 0,3 thous. heads, i.e. by 3.9%. Private farms maintained 98.3% of the voivodship sheep population.

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

In June 2017, the total poultry population amounted to 43 398.2 thous. heads and was smaller by 755.2 thous. heads, i.e. by 1.7%. Private farms maintained 94.0% of the voivodship poultry population. In the structure of total poultry, 94.1% accounted for poultry – hens, cocks and broilers (flaws), of which laying-hens – 24.2%.

The poultry population density per 100 ha of agricultural land amounted to 2 237 heads.

**Table 1. Land use in agricultural holdings by types of agricultural land in 2017**

SPECIFICATION	Agricultural land						other agricultural land
	total	in good agricultural condition					
		sown area	fallow land	permanent crops	permanent meadows and pastures	kitchen gardens	
in hectares							
<b>Grand total</b>	<b>1939628</b>	<b>1242980</b>	<b>16796</b>	<b>133668</b>	<b>532928</b>	<b>2543</b>	<b>10713</b>
Of which private farms	1908779	1220051	16005	133379	526555	2538	10251
in percent							
<b>Grand total</b>	<b>100.0</b>	<b>64.1</b>	<b>0.9</b>	<b>6.9</b>	<b>27.5</b>	<b>0.1</b>	<b>0.6</b>
Of which private farms	100.0	63.9	0.8	7.0	27.6	0.1	0.5

**Table 2. Cattle, sheep and poultry in 2017**

SPECIFICATION	June		December	
	in heads	previous year=100	in heads	previous year=100
<b>Cattle</b>	<b>1123307</b>	<b>104.9</b>	<b>1122311</b>	<b>102.2</b>
Calves aged under 1 year	292014	102.7	296475	100.6
Young cattle aged 1–2 years	284661	110.3	282530	103.7
Cattle aged 2 years and more	546632	103.5	543306	102.3
of which cows	490528	102.5	490941	101.9
<b>Sheep</b>	<b>6187</b>	<b>100.5</b>	<b>6212</b>	<b>96.1</b>
Of which ewes	3737	188.0	3691	132.7
<b>Poultry</b>	<b>43398222</b>	<b>98.3</b>	.	.
Of which poultry: hens, cocks and broilers (flaws)	40857540	97.6	.	.

**Table 3. Pigs in 2017**

SPECIFICATION	March		June		December	
	in heads	previous year= =100	in heads	previous year= =100	in heads	previous year= =100
<b>Total</b>	<b>995932</b>	<b>115.1</b>	<b>999243</b>	<b>108.9</b>	<b>1110871</b>	<b>118.9</b>
Piglets of weight up to 20 kg	162821	79.7	205052	94.2	172694	87.4
Young pigs of weight from 20 kg up to 50 kg	305546	126.0	326332	127.9	372296	136.7
Pigs for slaughter of weight 50 kg and more	460287	129.2	404649	105.6	497417	124.8
Pigs for breeding of weight 50 kg and more	67278	108.4	63210	102.3	68465	103.9
of which sows	66019	108.8	61935	102.5	67071	103.9

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**Data available in databases**

[Local Data Bank](#)

**Terms used in official statistics**

[agricultural land](#)

[area of other agricultural land](#)

[area of forests and forest land](#)

[area of other land](#)

[area of agricultural holding](#)

[livestock](#)

