



**STATISTICAL OFFICE IN WARSAW**  
**ul. 1 Sierpnia 21, 02-134 Warszawa**

*Quarterly information*

Elaborated on 13 June 2017

Contact: e-mail: sekretariatUSWAW@stat.gov.pl  
tel. 22 464 23 15, 22 464 23 12  
fax 22 846 76 67

Website: <http://warszawa.stat.gov.pl>

## **AGRICULTURE IN MAZOWIECKIE VOIVODSHIP IN 2016**

*When publishing Statistical Office data please indicate the source.*

*The source of information were the results of the survey conducted in 2016 on the land use, sown area, consumption of mineral and chemical fertilisers as well as lime fertilisers, final estimates of yields, agricultural and horticultural crops, and livestock population.*

*The data in this publication was compiled on the basis of the sample surveys conducted in the randomly selected private farms, collective results of the reporting of the agricultural holdings of legal persons and organisational units without legal personality, as well as evaluations and appraisals prepared by the experts of the Central Statistical Office.<sup>1</sup>*

*Data on the area and production of potatoes, field vegetables and strawberries include kitchen gardens crops.*

*Data on the area and production of fruits from fruit-bearing trees and fruit-bearing shrubs do not include crops outside orchards, i.e. in kitchen gardens, and plantations.*

*In 2015, the data concerning poultry population include domestic birds of over 12 weeks of age, whereas in 2016, data is presented regardless of age specification.*

*Data is presented according to the place of residence of a farm user. Data on the total area of vegetables and fruit crops was collected on the basis of the estimates done by experts who prepared their appraisals based on the locality of the surveyed lands.*

*Data (expressed in relative and absolute numbers) may cause insignificant discrepancies in total summing due to automatic rounding-off. Nevertheless, these figures remain valid.*

\*\*\*

The results of the agricultural surveys conducted in 2016, as compared to 2015, indicate changes, among others:

- with regard to land use in agricultural holdings, namely:
  - decrease in sown area (by 4.6%)
  - increase in the area of permanent crops (by 1.6%) and grassland (by 3.7%)
  - decrease in forest area and forest land (by 6.3%),
- with regard to sown area of agricultural crops, namely:
  - decrease in the crops area of cereals (by 5.5%), edible pulses (by 48.7%), potatoes (by 1.4%), rape and turnip rape (by 22.4%)
  - increase in the crops area of sugar beets (by 14.5%),
- with regard to horticultural and orchard crops, the following have been observed:
  - increase in the production of field vegetables (by 38.7%)
  - decrease in the production of strawberries (by 6.0%)
  - increase in the production of fruits from orchards (by 18.8%),
- considering livestock population (as of December), there was:
  - increase in the population of cattle (by 0.6%), pigs (by 4.4%), sheep (by 10.2%), poultry (by 16.4%).

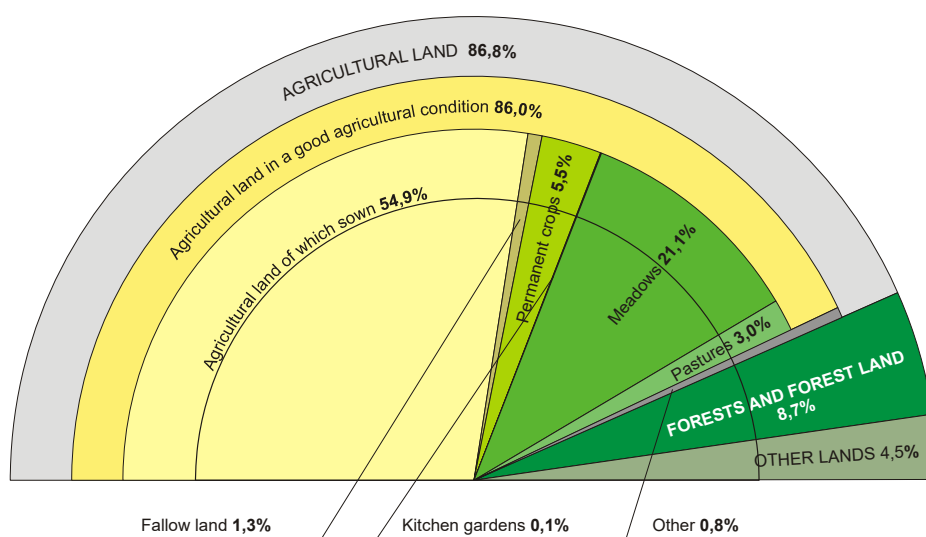
<sup>1</sup> Within the scope of land use, sown area, consumption of lime and mineral and chemical fertilisers, data was compiled on the basis of the sample „Surveys on the structure of agricultural holdings” conducted in June and July of 2016 as of 1 June.

## LAND USE

In 2016, the total area of agricultural holdings with land users having their place of residence in Mazowieckie voivodship amounted to 2187.1 thous. ha and decreased by 61.5 thous. ha (by 2.7%), as compared to 2015. Private farms occupied area of 2147.3 thous. ha, i.e. over 98% of the total area of agricultural holdings.

Agricultural land in agricultural holdings amounted to 1898.7 thous. ha, thus constituting 86.8% of the total area. As compared to 2015, the area of agricultural land decreased by 32.5% thous. ha (by 1.7%). Agricultural land maintained in a good agricultural condition occupied 1880.8 thous. ha, i.e. by 99.1% of the total number of the given type of land, whereas the land excluded from agricultural activities constituted 17.9 thous. ha (0.9%).

**Structure of land use in agricultural holdings in 2016**

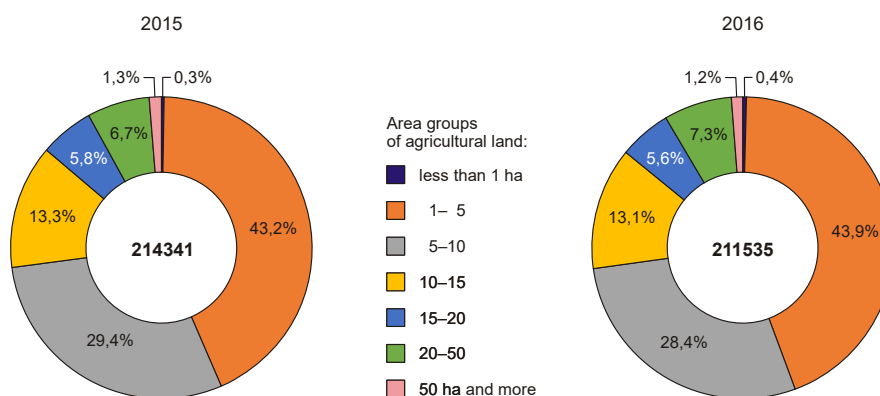


Within the internal structure of agricultural land, the largest area constituted agricultural land of which sown (2101.7 thous. ha), followed by permanent grassland (526.1 thous. ha), and permanent meadows – 461.3 thous. ha, while permanent pastures occupied an area of 64.8 thous. ha. Permanent crops' area totalled 121.1 thous. ha, with a predominance of orchards, which occupied 119.1 thous. ha. The area of fallow land (including the area intended for ploughing cultivated as the main crops) amounted to 29.3 thous. ha. Kitchen gardens' area totalled 2.6 thous. ha.

In 2016, in Mazowieckie voivodship, the number of agricultural holdings with agricultural land amounted to 211.5 thous. ha, including private farms' area of 211.3 thous. ha. 99.6 % (210.6 thous.) in the total number of agricultural holdings were used by entities with agricultural land of over 1.0 ha. Within the indicated group of agricultural holdings, 44.1 % constituted agricultural holdings with an area of 1-5 ha of agricultural land, 47.3% – agricultural holdings with an area of 5-20 ha of agricultural land, 7.3% – agricultural holdings with an area of 20-50 ha of agricultural land, while 1.2% – agricultural holdings with an area of 50 and more hectares of agricultural land.

The average area of agricultural holding in 2016 amounted to 10.34 ha, while private farm – 10.16 ha, compared to 10.49 ha and 10.31 ha, respectively, in 2015. In comparison to the previous year, the average area of agricultural land occupied by a single agricultural holding equalled 8.98 ha and decreased by 0.03 ha.

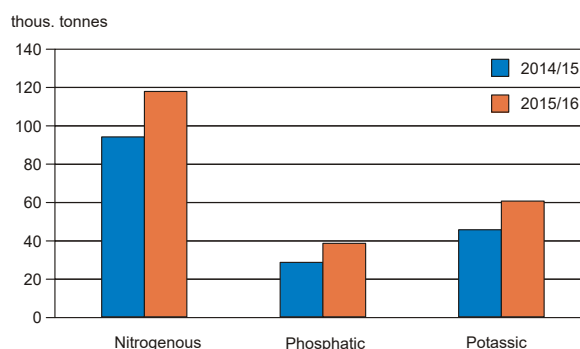
### Agricultural holdings by area groups of agricultural land



## AGRICULTURAL INPUT

In 2016, in Mazowieckie voivodship, 217.5 thous. tonne of mineral fertilisers were sown into (NPK), thus considering the pure component, i.e. by 48.9 thous. tonne (29.0%) more than a year ago. In the total consumption of mineral fertilisers by the pure component, nitrogen (N) constituted 54.4%, phosphorus ( $P_2O_5$ ) – 17.7%, and potassium ( $K_2O$ ) – 27.9% (56.0%, 17.0% and 27.1%, respectively, as compared to the previous year).

### Consumption of mineral fertilisers (NPK)



The average consumption of mineral fertilisers per 1 ha of agricultural land amounted to 114.6 kg NPK, including 115.7 kg per 1 ha of agricultural land maintained in a good agricultural condition (in the farming year 2014/15, 87.3 kg and 88.3 kg, respectively).

The consumption of lime fertilisers ( $CaO$ ) equalled 78.3 thous. tonne and increased by 127.6% as compared to 2014/15 farming year. On average, in Mazowieckie voivodship, per 1 ha of agricultural land 41.2 kg  $CaO$  was used, including 41.6 kg per 1 ha of agricultural land maintained in a good agricultural condition.

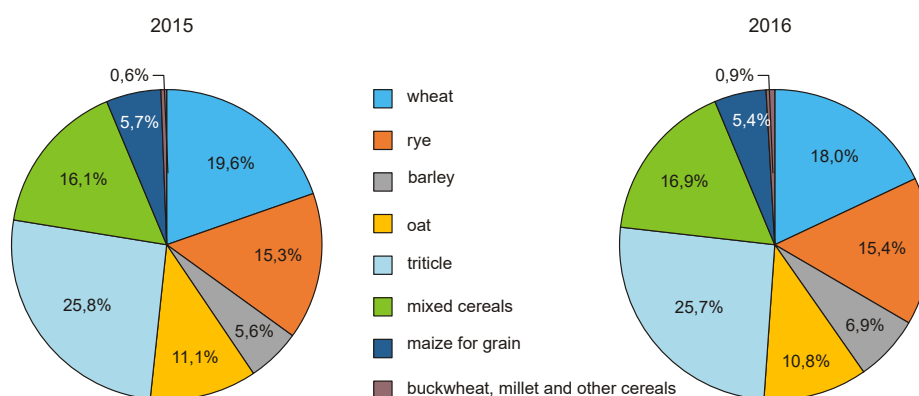
## CROP PRODUCTION

In 2016, the number of agricultural holdings with sown area constituted 171.3 thous., which accounted for 81.0% of the total area of agricultural holdings. As compared to 2015, the total number of a given type of agricultural holdings decreased by 5.2%. The sown area (2101.7 thous. ha) decreased by 58.1 thous. ha, i.e. by 4.6%, as compared to the previous year.

The largest share in the total area of sown land 870.2 thous. ha, i.e. 72.4% was occupied by cereals total. The area of cereals decreased by 5.5% as compared to the previous year, including the basic cereals with mixed cereals – by 5.4%. Within the structure of sown area under cereals, there was a decrease in the share of sown area under wheat (by 1.6 of percentage points), oats and maize for grain (0.3 of percentage points, respectively) and triticale (by 0.1 of percentage points), while an increase in the share of sown area under barley (by 1.3 of percentage points), mixed cereals (by 0.8 of percentage points), buckwheat, millet and other types of cereals (by 0.3 of percentage points) and rye (by 0.1 of percentage points) was observed.

As compared to the previous year, there was a decrease in the crops area under edible pulses (by 48.7%), rape and turnip rape (by 22.4%), potatoes (by 1.4%), whereas the area under sugar beets increased by (14.5%).

**Structure of sown area under cereals**

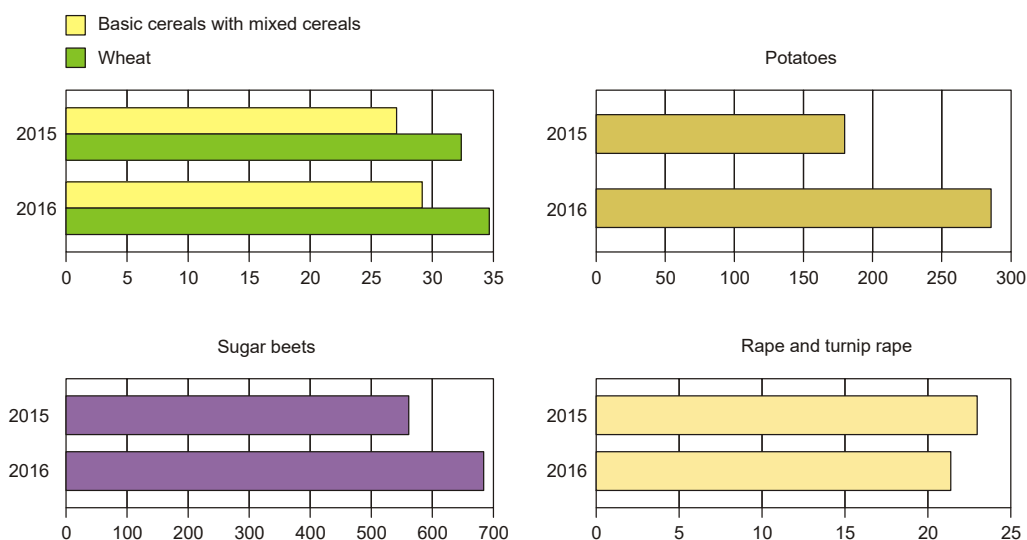


In spite of the lesser area of cereals total and potatoes, as compared to 2015, yields of the given crops increased, which led to an increase in the production, in annual terms, by 3.5% and 57.0%, respectively. The crops of edible pulses also increased, as compared to the previous year, however, the significant decrease in the area resulted in a decrease in the total production by 33.2%. A decrease of 27.9% in the production of rape and turnip rape were the result of a decrease in the sown area and yields. The yields of sugar beets increased by 21.9%, while the production of sugar beets increased by 39.7%.

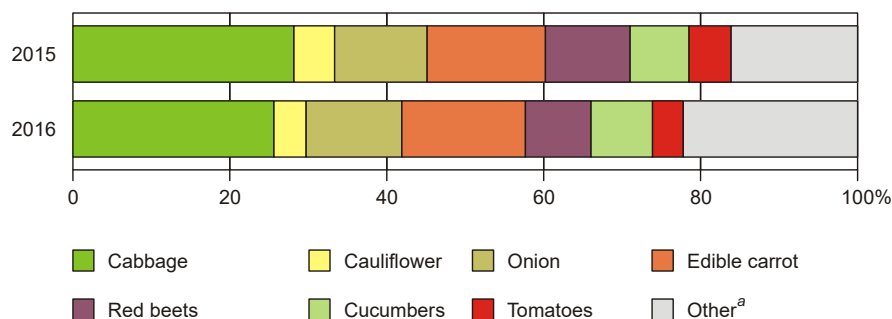
The total fruit production from fruit-bearing trees in 2016 (excluding production outside orchards), according to the estimates, equalled 1883.7 thous. tonne, i.e. increased by 18.5%, as compared to the previous year. The apple output, constituting the primary type of the orchard output (i.e., almost 92.2%), increased by 17.7%, as compared to the previous year. The apple yielding increased by 19.9%, while the area of their crops in orchards decreased by 1.8%. A decrease in the total area under pears and

cherries and an increase in the total area under plums and sweet cherries was recorded. High-yielding of those types of fruit orchards, particularly pears, resulted in record high yields. Therefore, the total output of sweet cherries increased by 46.8%, pears – by 34.2%, plums – by 29.3%, cherries – by 19.7%.

### Yields of main crops (in dt/ha)



### Structure of field vegetables production



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

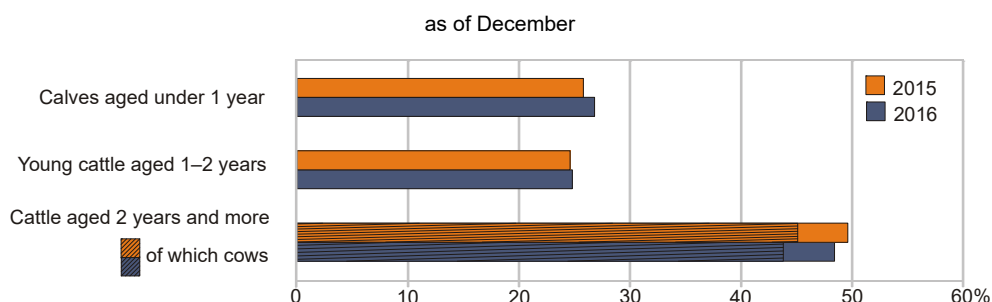
## THE LIVESTOCK POPULATION

In December, 2016, the livestock of cattle constituted 1098.5 thous. heads and increased by 6.8 thous. heads, i.e. by 0.6% as compared to 2015. The cow population reached 481.7 thous. heads and decreased by 10.8 thous. heads (i.e. by 2.2%) as compared to the previous year. Private farms' breeding accounted for 99.3% of the total cattle population of the voivodship.

Within the structure of cattle, in annual terms, an increase in the number of calves under 1 year of age and young cattle at the age of 1-2 years (by 1.0 and 0.2 of percentage points, respectively) was observed, whereas the number of adult bovine animals at the age of 2 and more years decreased (by 1.2 percentage points), including cow population (by 1.3 percentage points).

Total cattle population density, including cow population, equalled 57.9 and 25.4 heads per 100 ha of agricultural land, respectively, against 56.5 and 25.5 heads in December, 2015.

### Structure of cattle stock by age and utility groups

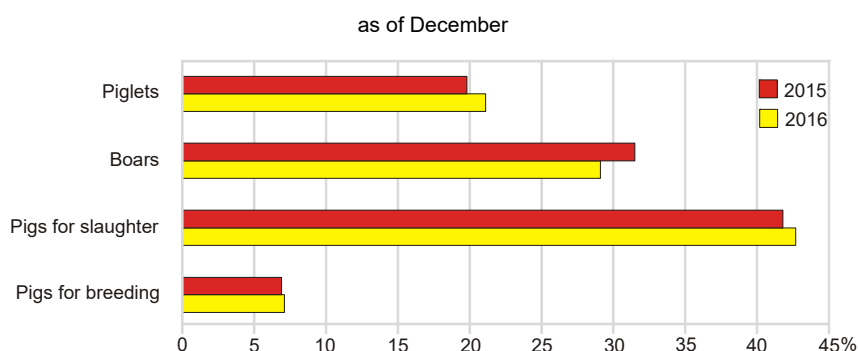


The pigs population, as of December 2016, amounted to 934.4 thous. heads and increased by 39.2 thous. heads (by 4.4%) as compared to the previous year. The herd of breeding sows constituted 64.5 thous. heads, i.e. increased by 4.5 thous. heads (by 7.4%) as compared to December 2015. Private farms' breeding accounted for 96.6% of the total pigs population of the voivodship.

In comparison with the pigs population figures recorded in 2015, there was an increase in the share of piglets (by 1.3 percentage points), pigs for slaughter (by 0.9 percentage points), breeding pigs (by 0.2 percentage points), while the share of young pigs decreased (by 2.4 percentage points).

The total pigs population density, including breeding sows, accounted for, respectively, 49.2 and 3.4 heads per 100 ha of agriculture land, against 46.4 and 3.1 heads, respectively, in December 2015.

### Structure of pigs by production and utility groups



The sheep population, as of December 2016, totalled 6.5 thous. heads and increased by 0.6 thous. heads as compared to the previous year, i.e. by 10.2%. Private farms' breedings accounted for 98.7% of the sheep population of the voivodship. The sheep population density remained unchanged, as compared to the previous year, and equalled 0.3 heads per 100 ha of agricultural land.

As of December 2016, the total poultry population reached 30593.2 thous. heads. Private farms' breeding accounted for 89.5% of the total poultry population of the voivodship. Within the structure of the total poultry population, 95.4% constituted poultry – hens, cocks and broilers (flaws), including laying-hens – 33.7%. The poultry population density totalled 1611 heads per 100 ha of agricultural land.

Table 1. Land use in agricultural holdings by types of agricultural land in 2016

Specification	Total area	Agricultural land							Forests <sup>a</sup>	Other lands <sup>b</sup>
		total	in a good agricultural condition					other <sup>c</sup>		
			agricultural land of which sown	fallow land	perma- nent crops	kitchen gardens	perma- nent mea- dows and pastures			
in hectares										
<b>T o t a l</b> .....	<b>2187053</b>	<b>1898676</b>	<b>1201704</b>	<b>29316</b>	<b>121092</b>	<b>2568</b>	<b>526127</b>	<b>17868</b>	<b>189867</b>	<b>98510</b>
Of which private farms ....	2147345	1864452	1176263	28355	120695	2565	519241	17332	187951	94942
in percent										
<b>T o t a l</b> .....	<b>100.0</b>	<b>86.8</b>	<b>54.9</b>	<b>1.3</b>	<b>5.5</b>	<b>0.1</b>	<b>24.1</b>	<b>0.8</b>	<b>8.7</b>	<b>4.5</b>
Of which private farms ....	100.0	86.8	54.8	1.3	5.6	0.1	24.2	0.8	8.8	4.4

a Including land connected with forestry management. b Built-up area covered with buildings, yards, roads, waters, agricultural land and wasteland. c Agricultural land not cultivated and not maintained in a good agricultural condition.

Table 2. Agricultural holdings and area of agricultural land by area groups of agricultural land in 2016

Area groups of agricultural land	Agricultural holdings		Area of agricultural land		Average area of agricultural land <sup>a</sup> in agricultural holding				
					total	of which			
						agricul- tural land of which sown	perma- nent crops	perma- nent meadow s	perma- nent pastures
	in thous.	in percent	in thous. ha	in percent	in hectares and ares				
<b>T o t a l</b> .....	<b>211.5</b>	<b>100.0</b>	<b>1898.7</b>	<b>100.0</b>	<b>8.98</b>	<b>7.01</b>	<b>3.90</b>	<b>3.26</b>	<b>2.99</b>
Of which private farms.....	211.3	99.9	1864.5	98.2	8.83	6.87	3.89	3.23	2.91
with agricultural land area of:									
up to 1 ha .....	0.9	0.4	0.5	0.0	0.59	0.37	0.47	0.72	0.47
over 1 ha.....	210.4	99.4	1863.9	98.2	8.86	6.89	3.91	3.24	2.92
1.01– 1.99 .....	30.2	14.3	45.8	2.4	1.52	1.22	0.74	0.87	0.61
2.00– 2.99 .....	26.0	12.3	63.1	3.3	2.43	1.90	1.11	1.24	0.79
3.00– 4.99 .....	36.6	17.3	141.2	7.4	3.85	2.95	1.87	1.64	1.13
5.00– 9.99 .....	60.1	28.4	423.6	22.3	7.05	5.01	3.89	2.30	2.18
10.00–14.99 .....	27.6	13.1	332.1	17.5	12.01	8.03	6.96	3.95	2.87
15.00–19.99 .....	11.9	5.6	203.2	10.7	17.09	11.03	9.20	5.58	3.90
20.00–29.99 .....	10.3	4.9	247.4	13.0	23.91	16.41	9.54	7.95	5.03
30.00–49.99 .....	5.0	2.4	187.2	9.9	37.41	26.85	12.39	11.74	6.91
50.00 ha and more .....	2.5	1.2	220.3	11.6	87.46	71.33	23.97	21.24	13.49

a In agricultural holdings with a given type of agricultural land.

Table 3. Production of selected agricultural and horticultural crops in 2016

Specification	Area in hectares	Yields in decitonnes per 1 hectare	Production in decitonnes	Area	Yields	Production
				2015=100		
T o t a l						
Cereals.....	870171	30.9	26862164	94.5	109.6	103.5
Basic ceareals with mixed cereals.....	815220	29.2	23776732	94.6	107.7	101.9
Basic cereals.....	668068	29.6	19748919	93.6	107.6	100.8
wheat.....	156697	34.7	5441529	86.9	107.1	93.0
winter wheat.....	107434	35.8	3841663	78.6	105.3	82.8
spring wheat.....	49263	32.5	1599866	112.6	117.8	132.3
rye.....	133873	24.3	3258347	94.8	108.0	102.6
barley.....	60233	31.0	1868170	117.1	116.1	136.1
winter barley.....	5143	32.0	164463	36.7	108.5	39.8
spring barley.....	55090	30.9	1703707	147.1	120.7	177.6

Table 3. **Production of selected agricultural and horticultural crops in 2016 (cont.)**

Specification	Area in hectares	Yields in decitonnes per 1 hectare	Production in decitonnes	Area	Yields	Production
				2015=100		
T o t a l (cont.)						
Cereals (cont.)						
oats.....	94060	25.2	2372864	91.7	111.0	101.8
triticale.....	223205	30.5	6808009	93.8	105.5	99.1
winter triticale.....	190804	30.7	5854684	95.1	103.7	98.6
spring triticale.....	32401	29.4	953325	86.8	117.1	101.8
Mixed cereals.....	147152	27.4	4027813	99.3	108.7	107.9
winter cereals.....	9857	27.0	265705	46.1	98.5	45.4
spring cereals.....	137295	27.4	3762108	108.2	110.5	119.5
buckwheat.....	6329	12.1	76786	138.4	142.4	198.4
millet.....	1855	19.3	35774	148.0	129.5	192.0
other cereals.....	3	20.7	62	2.5	183.2	4.5
maize for grain.....	46763	63.6	2972810	88.7	131.4	116.4
Edible pulses.....	3911	19.4	75749	51.3	130.2	66.8
Potatoes.....	36101	286	10340602	98.6	158.9	157.0
Sugar beets.....	12654	685	8672173	114.5	121.9	139.7
Oilseeds.....	36578	20.7	755732	79.3	93.2	73.9
Rape and turnip rape.....	33173	21.4	710403	77.6	93.0	72.1
winter rape.....	26515	21.4	566529	76.1	88.4	67.3
spring rape.....	6658	21.6	143874	84.2	119.3	100.4
other oilseeds.....	3405	13.3	45329	102.0	118.8	121.6
Forage root plants (excluding seeds).....	318	291	92364	29.7	109.0	32.3
Maize for green forage.....	115070	471	54223246	106.7	145.4	155.4
Forage pulses for green forage.....	5593	163	912218	109.3	121.6	133.3
Forage pulses for grain <sup>a</sup> .....	21524	16.2	349573	83.0	129.6	107.5
Green fertilisers.....	5432	x	x	163.9	x	x
Field vegetables.....	26680	x	6807076	104.1	x	138.7
cabbage.....	3629	479	1739616	79.6	157.6	125.7
cauliflower.....	1090	258	281262	61.5	179.2	110.0
onion.....	3552	235	833166	108.5	132.8	143.8
carrot.....	3296	324	1069170	101.9	142.1	144.6
red beets.....	1811	317	573272	89.5	121.5	108.4
cucumbers.....	2886	185	534172	103.7	140.2	145.4
tomatoes.....	1159	230	266287	64.7	155.4	100.5
other <sup>b</sup> .....	9257	163	1510131	149.4	128.3	191.7
Strawberries <sup>c</sup> .....	17081	28.0	478177	94.0	100.0	94.0
of which private farms						
Cereals.....	855356	30.5	26097004	94.5	109.3	103.4
Basic cereals with mixed cereals.....	802979	28.9	23206232	94.6	107.8	102.1
Basic cereals.....	656067	29.2	19185749	93.7	107.7	101.0
wheat.....	149737	33.8	5067381	87.1	107.3	93.5
winter wheat.....	102147	34.7	3544501	78.9	105.2	83.0
spring wheat.....	47590	32.0	1522880	112.1	118.5	132.8
rye.....	132624	24.3	3222763	94.6	108.5	102.6
barley.....	58660	30.7	1798153	116.2	116.3	134.8
winter barley.....	4510	31.3	141163	32.6	106.5	34.7
spring barley.....	54150	30.6	1656990	147.7	120.9	178.7
oats.....	93420	25.2	2354184	91.9	111.5	102.5
triticale.....	221626	30.4	6743268	93.9	105.6	99.1
Winter triticale.....	189553	30.6	5800322	95.2	103.7	98.8
Spring triticale.....	32073	29.4	942946	86.6	117.1	101.4
Mixed cereals.....	146912	27.4	4020483	99.3	108.7	107.9
winter cereals.....	9813	26.9	263970	45.9	98.2	45.1
spring cereals.....	137099	27.4	3756513	108.3	110.5	119.6
buckwheat.....	6006	12.1	72673	138.5	144.0	199.6
millet.....	1851	19.3	35724	148.7	129.5	192.6
other cereals.....	3	20.7	62	2.5	183.2	4.5
maize for grain.....	44517	62.5	2782313	87.8	128.1	112.5
Edible pulses.....	3616	18.6	67436	52.5	126.5	66.8
Potatoes.....	35622	286	10187892	98.7	159.8	157.7
Sugar beets.....	12039	688	8284732	114.9	120.5	138.5

a Including cereal and pulse mixed. b Parsley, leeks, celeries, radish, lettuce, rhubarb and others. c Including wild strawberries.



Table 3. **Production of selected agricultural and horticultural crops in 2016 (cont.)**

Specification	Area in hectares	Yields in decitonnes per 1 hectare	Production in decitonnes	Area	Yields	Production
				2015=100		
of which private farms (cont.)						
Oilseeds .....	33983	20.2	686368	80.5	96.7	77.7
rape and turnip rape .....	30698	20.9	643029	78.9	95.9	75.9
winter rape .....	24254	20.8	504483	78.2	91.6	71.6
spring rape .....	6444	21.5	138546	81.7	118.8	97.0
other oilseeds .....	3285	13.2	43339	99.8	118.9	118.4
Forage root plants (excluding seeds).....	318	290	92232	29.7	108.6	32.3
Maize for green forage .....	113663	472	53648936	107.1	145.7	156.1
Forage pulses for green forage .....	5564	163	909258	110.0	121.6	134.0
Forage pulses for grain <sup>a</sup> .....	21073	16.2	341655	83.1	129.6	107.4
Green fertilisers .....	5063	x	x	161.6	x	x
Field vegetables .....	23893	x	6411275	94.5	x	131.3
cabbage.....	3621	480	1737946	79.6	157.9	125.8
cauliflowers .....	1090	258	281220	61.6	179.2	110.1
onion.....	3489	235	819946	107.0	132.8	142.0
carrot .....	3191	322	1027502	99.4	141.2	140.2
red beets.....	1800	317	570108	89.0	121.5	107.9
cucumbers .....	2885	185	534104	103.7	140.2	145.4
tomatoes .....	1125	232	261000	63.6	155.7	98.9
other <sup>b</sup> .....	6692	176	1179449	113.1	134.4	152.2
Strawberries <sup>c</sup> .....	17076	28.0	478124	94.0	100.0	94.0

a Including cereal and pulse mixed. b Parsley, leeks, celeries, radish, lettuce, rhubarb and others. c Including wild strawberries.

Table 4. **Fruit production in orchards in 2016**

Specification	Area in hectares	Yields in decitonnes per 1 hectare	Production in decitonnes	Area	Yields	Production
				2015=100		
T o t a l						
Tree fruit.....	91990	x	18837177	97.9	x	118.5
apple trees.....	73696	234.9	17311796	98.2	119.9	117.7
pear trees.....	3154	120.7	380661	76.7	175.2	134.2
plum trees.....	3097	91.7	283901	114.6	112.9	129.3
cherrie trees.....	8510	74.5	634152	99.2	120.7	119.7
sweet cherry trees.....	3055	67.2	205170	102.6	143.0	146.8
others <sup>a</sup> .....	478	45.0	21497	94.9	154.6	146.8
Berry fruit production.....	16450	x	391286	108.8	x	133.8
raspberries <sup>b</sup> .....	2918	22.0	64219	92.5	222.2	205.2
black currants.....	8480	16.2	137742	91.1	101.9	92.9
gooseberry.....	344	42.0	14448	102.5	118.0	120.9
other <sup>c</sup> .....	4708	37.1	174877	203.1	85.3	173.3
of which private farms						
Trees fruit.....	91901	x	18825931	98.3	x	118.6
apple trees.....	73623	235.0	17301461	98.2	119.9	117.8
pear trees.....	3150	120.8	380579	76.7	175.1	134.2
plum trees.....	3095	91.7	283839	114.6	112.8	129.3
cherry trees.....	8502	74.5	633416	99.2	120.7	119.7
sweet cherry trees.....	3053	67.2	205139	114.0	128.7	146.8
other <sup>a</sup> .....	478	45.0	21497	95.0	155.2	146.9
Fruit and berry production.....	16145	x	380515	107.1	x	130.9
raspberries <sup>b</sup> .....	2917	22.0	64165	92.5	222.2	205.1
black currants.....	8456	16.1	136171	91.0	101.9	92.6
gooseberry.....	344	42.0	14448	102.5	118.0	120.9
other <sup>c</sup> .....	4428	37.4	165731	193.0	85.6	165.1

a Peaches, apricots, walnuts. b Including thornless blackberry. c Chokeberry, high blueberry, hazel, grapevine and other.

Table 5. **Cattle, sheep and poultry in 2016**

Specification	Total				of which private farms			
	June		December		June		December	
	in heads	previous year==100	in heads	previous year==100	in heads	previous year==100	in heads	previous year==100
Cattle.....	1070694	94.3	1098492	100.6	1061919	94.2	1090924	100.6
calves under 1 year of age .....	284253	95.4	294802	104.8	281981	95.3	292613	104.7
young cattle at the age of 1–2 years.....	258151	95.8	272411	101.4	256139	95.6	270854	101.5
cattle at the age of 2 and more years.....	528291	93.0	531279	98.0	523800	92.9	527457	98.0
of which cows .....	478759	93.6	481662	97.8	475037	93.5	478747	97.8
of which milk cows.....	458126	93.4	465278	98.9	455209	93.3	462928	98.9
Sheep.....	6157	109.4	6464	110.2	6090	109.8	6377	109.7
of which ewes .....	1988	69.9	2782	69.6	1965	69.9	2708	68.6
Poultry <sup>a</sup> .....	44153388	146.5	30593187	116.4	39438693	137.7	27389843	112.9
of which poultry: hens, cocks and broilers (flaws).....	41883211	146.3	29194768	116.7	37176937	137.0	25997986	113.0
of which laying-hens .....	9609790	103.9	10316938	117.2	8951440	102.3	9403874	114.0

<sup>a</sup> Hens, turkeys, geese, ducks and other poultry (e.g. ostriches, guinea fowls).

Table 6. **Pigs in 2016**

Specification	March		June		December	
	in heads	previous year==100	in heads	previous year==100	in heads	previous year==100
<b>T o t a l</b>						
<b>T o t a l</b> .....	<b>865252</b>	<b>86.5</b>	<b>917908</b>	<b>94.3</b>	<b>934370</b>	<b>104.4</b>
Piglets of weight up to 20 kg .....	204351	86.1	217718	99.3	197608	111.5
Young pigs of weight from 20 kg up to 50 kg .....	242561	83.5	255109	85.9	272290	96.5
Pigs for slaughter of weight of 50 kg and more.....	356271	89.9	383322	99.8	398553	106.5
Breeding pigs of weight of 50 kg and more.....	62068	81.3	61759	84.3	65920	107.2
of which sows .....	60701	81.6	60418	84.2	64526	107.4
of which mated sows.....	40905	82.7	42287	89.0	44064	109.8
<b>of which private farms</b>						
<b>T o t a l</b> .....	<b>837820</b>	<b>87.0</b>	<b>899046</b>	<b>96.5</b>	<b>902861</b>	<b>105.0</b>
Piglets of weight of up to 20 kg .....	191857	86.2	207110	101.9	181256	111.0
Young pigs of weight from 20 kg up to 50 kg .....	238937	84.3	253571	87.2	269707	97.7
Pigs for slaughter of weight of 50 kg and more.....	351931	90.8	381598	102.8	394022	107.6
Breeding pigs of weight of 50 kg and more.....	55094	79.3	56767	84.9	57877	105.6
of which sows .....	53762	79.5	55544	85.0	56624	106.0
of which mated sows.....	36107	82.2	37857	88.8	38330	108.5

Table 7. **Livestock population per 100 ha of agricultural land**

As of December

Specification	2015		2016	
	total	of which private farms	total	of which private farms
	in heads			
Cattle.....	56.5	57.3	57.9	58.5
including cows .....	25.5	25.8	25.4	25.7
Pigs .....	46.4	45.4	49.2	48.4
including sows .....	3.1	2.8	3.4	3.0
Sheep.....	0.3	0.3	0.3	0.3
including ewes .....	0.2	0.2	0.1	0.1
Poultry – hens, cocks and broilers (flaws) <sup>a</sup> .....	1295	1215	1538	1394
Including laying-hens.....	456	436	543	504

<sup>a</sup> In 2015, aged over 2 weeks.

**Table 8. Voivodship share in the production of selected agricultural foodstuffs in 2016**

**A. Area, yields and production of selected agricultural and horticultural crops**

Specification		Total			of which private farms		
		Poland	voivodship		Poland	voivodship	
		in absolute numbers		Poland=100	in absolute numbers		Poland=100
Cereals total.....	a	7462347	870171	11.7	6834810	855356	12.5
	b	40.0	30.9	x	38.4	30.5	x
	c	298492224	26862164	9.0	262298213	26097004	9.9
of which:							
basic cereals with mixed cereals	a	6758057	815220	12.1	6235499	802979	12.9
	b	37.5	29.2	x	36.2	28.9	x
	c	253442460	23776732	9.4	225414972	23206232	10.3
of which: total wheat.....	a	2384016	156697	6.6	2048652	149737	7.3
	b	45.4	34.7	x	43.2	33.8	x
	c	108279017	5441529	5.0	88560187	5067381	5.7
rye.....	a	760976	133873	17.6	727066	132624	18.2
	b	28.9	24.3	x	28.4	24.3	x
	c	21995776	3258347	14.8	20679971	3222763	15.6
maize for grain .....	a	595405	46763	7.9	496567	44517	9.0
	b	72.9	63.6	x	71.2	62.5	x
	c	43429100	2972810	6.8	35355242	2782313	7.9
Edible pulses.....	a	73488	3911	5.3	68029	3616	5.3
	b	24.5	19.4	x	24.6	18.6	x
	c	1799701	75749	4.2	1672584	67436	4.0
Potatoes.....	a	311620	36101	11.6	296658	35622	12.0
	b	285	286	x	279	286	x
	c	88724452	10340602	11.7	82849632	10187892	12.3
Sugar beets.....	a	205572	12654	6.2	169312	12039	7.1
	b	658	685	x	670	688	x
	c	135237806	8672173	6.4	113372383	8284732	7.3
Rape and turnip rape total .....	a	826946	33173	4.0	627992	30698	4.9
	b	26.8	21.4	x	26.4	20.9	x
	c	22192702	710403	3.2	16609377	643029	3.9
Field vegetables.....	a	178456	26680	15.0	166827	23893	14.3
	c	45472634	6807076	15.0	43137593	6411275	14.9
of which cabbage .....	a	20087	3629	18.1	20010	3621	18.1
	b	507	479	x	506	480	x
	c	10177158	1739616	17.1	10126442	1737946	17.2
Tree fruit.....	a	244696	91990	37.6	241718	91901	38.0
	c	40647429	18837177	46.3	40222108	18825931	46.8
of which apple trees .....	a	177203	73696	41.6	174960	73623	42.1
	b	203	235	x	204	235	x
	c	36042708	17311796	48.0	35659293	17301461	48.5
Strawberries <sup>a</sup> .....	a	50600	17081	33.8	50427	17076	33.9
	b	38.9	28.0	x	38.9	28.0	x
	c	1969722	478177	24.3	1961839	478124	24.4

a Including wild strawberries.

**B. Livestock**  
As of December

Specification	Total			of which private farms		
	Poland	voivodship		Poland	voivodship	
	in absolute numbers		Poland=100	in absolute numbers		Poland=100
Cattle in heads .....	5970214	1098492	18.4	5675663	1090924	19.2
of which cows .....	2303458	481662	20.9	2186193	478747	21.9
per 100 ha of agricultural land.....	41.5	57.9	x	43.1	58.5	x
of which cows .....	16.0	25.4	x	16.6	25.7	x
Share in cows in the total cattle population in % .....	38.6	43.8	x	38.5	43.9	x
Pigs in heads .....	11106716	934370	8.4	8764643	902861	10.3
of which sows .....	858994	64526	7.5	676242	56624	8.4
per 100 ha of agricultural land.....	77.3	49.2	x	66.6	48.4	x
of which sows .....	6.0	3.4	x	5.1	3.0	x
Share in sows in the total pig population in %.....	7.7	6.9	x	7.7	6.3	x
Sheep in heads .....	244171	6464	2.6	230200	6377	2.8
of which ewes .....	141342	2782	2.0	131647	2708	2.1
per 100 ha of agricultural land.....	1.7	0.3	x	1.7	0.3	x
of which ewes .....	1.0	0.1	x	1.0	0.1	x