



Agricultural Institute of Slovenia

Slovenian Agriculture in Numbers

2018

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Slovenian Agriculture in Numbers presents the main indicators of state and development of Slovenian agriculture.

It is based on the official data sources listed under the individual tables and graphs, and were available up to May 31st 2018. Main data sources are:

- **Statistical Office of the Republic of Slovenia** (SORS), data from the data portal SI-STAT, theme Environment and Natural Resources; field Agriculture and Fishing (<http://pxweb.stat.si/pxweb/Database/Environment/Environment.asp>),
- **Ministry for Agriculture, Forestry and Food** (MAFF),
- **Agency for Agricultural Markets and Rural Development** (AKTRP),
- **Slovenian Environment Agency** (SEA),
- **Administration of the Republic of Slovenia for Food Safety, Veterinary Sector and Plant Protection** (AFSVPP),
- **Eurostat** (<http://ec.europa.eu/eurostat/data/database>).

More data is available in the Reports on the State of Slovenian Agriculture, Food, Forestry and Fisheries (http://www.kis.si/en/Reports_on_the_State_of_Slovenian_Agriculture), prepared by the Agricultural Institute of Slovenia (AIS).

Summary

In 2017, agriculture, together with hunting, forestry and fisheries contributed 2.1 % to total value added and 7.4 % to total employment. In recent years, the share of employment in agriculture fluctuates slightly more than the share of agriculture in total value added.

According to the most recent **Farm Structure Survey (2016)** the decreasing trend in the number of agricultural holdings continued. At a slightly larger extent of utilised agricultural area (UAA; 480 thousand ha) than in 2013 (477 thousand hectares), the total number of agricultural holdings decreased by 3 % (to 69.9 thousand). The average agricultural holding cultivates 6.9 ha of UAA (6.6 ha in 2013). The improvement of size structure is due to further decrease in the number of agricultural holdings in the smallest size classes, while at the same time the number of agricultural holdings in larger size classes (more than 20 ha UAA) increased. Livestock remains the most important agricultural activity, with 80 % of all agricultural holdings engaged in livestock production. The average number of livestock units (LSU) in these holdings is 7.5 LSU. Compared to 2013, the average number of LSU increased by almost 5 %, largely due to a noticeable increase in the number of cattle and poultry. In 2016, around 2 % fewer people were employed on agricultural holdings than in 2013, with slightly improved labour productivity (16.7 annual working units/100 ha UAA). The age structure of the holders-managers remains unfavourable; the average age of the holder is 57 years (56 years in 2013). In year 2016, 69 % of agricultural holdings, which manage 75 % of UAA, were specialized in a specific crop or animal production.

In recent years, reduction of the negative impacts of **agriculture on the environment** can be noticed: the use of pesticides and mineral fertilizers is more rational, the share of legumes in crop rotation and the area of minor agricultural plant species are both increasing. Also, the agricultural area with organic farming is increasing; in 2017 to 46.2 thousand ha (10 % of all UAA) with permanent grassland still predominant in the structure (84 %).

In terms of agricultural production, the year 2017 was very unfavourable. According to the preliminary statistical data, **the agricultural production volume** decreased by 10 %, with crop volume lower by 19 % and livestock production volume higher by around 2 %. As in previous year, the 2017 harvest was marked by strong spring frost damaging fruit trees and vines, as well as by severe drought and other meteorological disasters. The fruit harvest was at record low, while the excellent quality of the grapes at least slightly improved poor grape harvest. Otherwise, for most arable crops the 2017 harvest was poorer, with hectare yields below average of the recent period (except for some small grain cereals, vegetables and soya beans). Yields (production) were on average lower for most of the groups of crops, except for soya, oilseed rape, some small grain cereals, fodder roots and olives. The production of fruit was more than halved, whereas the production of grapes was down 5 % compared to similarly unfavourable year 2016. Compared to 2016, the agricultural land use on agricultural holdings was slightly higher (+0.8 %) with permanent grassland increased by 1.1 % and almost the same area of arable land. In 2017 livestock production, the increase in broilers, pigmeat, sheep and goat meat production (live weight gain) and production of eggs was recorded whereas the production of cattle meat slightly decreased. The production of milk remained at the

level of previous year whereas due to unfavourable weather conditions honey production decreased markedly for a second consecutive year (–40 %).

Domestic consumption increased noticeably only in sugar and eggs (the largest ever) in 2017. The decrease in meat consumption is the result of lower consumption of pigmeat, however the consumption of cattle meat and poultry meat (largest ever) increased. The consumption of maize, potatoes and vegetables remained at the level of previous year, whereas the consumption of wheat, fruit and milk decreased slightly, and consumption of honey markedly. **Self-sufficiency rates**, which have fluctuated due to changes in production volumes and consumption in the recent period, were in 2017 higher than in the previous year only in meat and milk, and lower in all other key commodities.

After three years of decreasing, in 2017 **producer prices of agricultural products** increased at the aggregate level. Compared to 2016 they increased by 8.9 % (+7.3 % in real terms), with increase in price levels of both, crop as well as animal products. Prices of crop products at the aggregate level rose by 10.8 % in 2017 compared to previous year and were above the last five-year average. The biggest growth of average producer prices was recorded for prices of fruit, cereals and vegetables, whereas the prices of hops and oilseeds decreased. In livestock production, the average producer prices at the aggregate level were higher by 7.7 % in nominal terms. Significant increase was recorded for milk price (+20 %); prices increased also for pigs and cattle. Prices of poultry decreased, whereas the prices of eggs and lambs remained almost at 2016 level. In 2017, besides the aggregate increase of agricultural producer prices also the **prices of agricultural inputs** increased slightly (+0.8 % or –0.6 % in real terms). Most notably increased the prices of energy and veterinary services, while the prices of fertilizers and fodder were lower. At the aggregate level the prices of agricultural inputs increased less than the producer prices of agricultural products. Thus, the terms of trade in agriculture improved in 2017 and were the most favourable after the year 2008.

According to the provisional data, **the economic results of agriculture** at the aggregate level in 2017 deteriorated significantly compared to the year 2016. The net value added was lower by around one third (–31 %) and the factor income by around 15 %. At a lower value of total output (around 1.17 bill. EUR) and at the same time slightly higher intermediate consumption, the factor income in 2017 was approximately 414 mill. EUR or around 5,200 EUR per annual working unit. The decline in income was mainly due to the pronounced decline in the volume of crop production (especially of fruit, cereals, industrial crops and forage plants) at slightly more favourable terms of trade at the aggregate level.

In 2017, in the framework of **direct payments** the implementation of schemes continued: the basic payment, green payment, additional payment for the new entrants to Young Farmers scheme, and optional payment in the framework of Small Farmers scheme. Additionally, the agricultural holdings could apply for production coupled payments for small grain cereals, vegetables, cattle and milk production in mountain areas, whereas the coupled payment for protein crops was abolished. In 2017 subsidies for protein crops were abolished and a new payment for the areas with natural constraints based on the slope steepness (eligible agricultural area in mountainous areas with slope steepness of 35 %-50 %, or above 50 %) was introduced. Due to the external convergence,

the national envelope for direct payments decreased to 136 mill. EUR (137 mill. EUR in 2016). The implementation of the measures defined in the **RDП for the period 2014–2020** also continued. By the end of 2017 approximately 460 mill. EUR had been granted for twelve measures and technical assistance (42 % of the program's available resources; 1,107 mill. EUR) of which 291 million (26 %) had been paid out. Most of the payments (81 %) were paid for the measures implemented under the subsidy campaign and were related to the annual payments for agri-environment-climate measures, animal welfare and payments to farmers with areas with natural and other constraints, while for some measures (basic services and village renewal in rural areas, setting-up of producer groups and organisations, co-operation) public tenders had not been published till the end of 2017.

Total **budgetary support to agriculture** (322.8 mill. EUR) increased by 3 % in 2017 compared to 2016, whereas the share of co-financing from the EU budget declined to 71 % (from 73 %). The biggest share of budgetary support was directed to market and direct support measures (52 %) and to structural and rural development measures (36 %). The executed payments for the CAP first pillar measures increased by 2 % compared to 2016. Significantly more funds were earmarked for disaster and other extra compensations to producers (frost damage 2016), as well as for variable input subsidies that lower the costs of farming (co-financing of insurance premiums). There were one percent less payments executed for direct payments. Executed payments for structural and rural development measures increased by 3 %, which is mainly due to the execution of several bigger payments in the framework of the measures for improving the competitiveness of agriculture and supporting rural economy and population.

The total **trade in agri-food goods** increased markedly by 8 % in 2017, with the export increasing by 12 % and import by 7 %. Further, the coverage of import by export increased and trade deficit rose slightly to 1,061 mill. EUR. Slovenia remains net value importer in most tariff groups of agri-food products. Again, trade surplus (in value) occurred in the group meat preparations and live animals, with bigger surplus in both product groups. Trade surplus (in value) occurred also in miscellaneous edible preparations, oilseeds and oleaginous fruits, milk and dairy produce. Bigger deficit as in the year before was recorded for fruits, fodder, vegetables, beverages and sugar, whereas deficit for meat and cereals decreased. No bigger changes in the regional structure of agri-food trade occurred in 2017. As in the previous years, most of the agri-food trade was created with the EU member states. The share of this group of countries increased with Croatia's accession to the EU (in 2017: 75 % of export and 85 % of import), whereas the trade deficit in year 2017 exceeded 1 billion EUR.

Key general statistics for Slovenian agriculture

	Ø 2005–09	Ø 2010–14	2015	2016	2017
Agriculture in economy					
Gross value added of agricultural sector (mill. EUR)*	636.4	683.4	786.7	760.4	789.1
• Share in total value added (%)	2.2	2.2	2.3	2.2	2.1
Employment in the agriculture (000)*	85.4	77.7	75.3	73.7	72.8
• Share in total employment (%)	8.9	8.3	8.0	7.7	7.4
Exports of agri-food products (mill. EUR)**	614	868	1,060	1,138	1,269
• Share in total export of goods (%)	3.5	4.1	4.4	4.6	4.5
Imports of agri-food products (mill. EUR)**	1,400	1,868	2,097	2,181	2,330
• Share in total import of goods (%)	7.3	8.5	9.0	9.0	8.5
Trade balance with agri-food products (mill. EUR)**	-786	-1,000	-1,037	-1,044	-1,061
Agricultural land use***					
Utilised agricultural area (ha)	491,693	476,321	476,862	477,671	481,415
Arable land (%)	36.0	36.1	35.9	36.4	36.2
Permanent crops (%)	5.4	5.7	5.7	5.8	5.8
Permanent grassland (%)	58.6	58.2	58.4	57.8	58.0
Share of utilised agricultural area in total area (%)	24.3	23.5	23.5	23.6	23.7
Utilised agricultural area per inhabitant (ha)	0.24	0.23	0.23	0.23	0.23

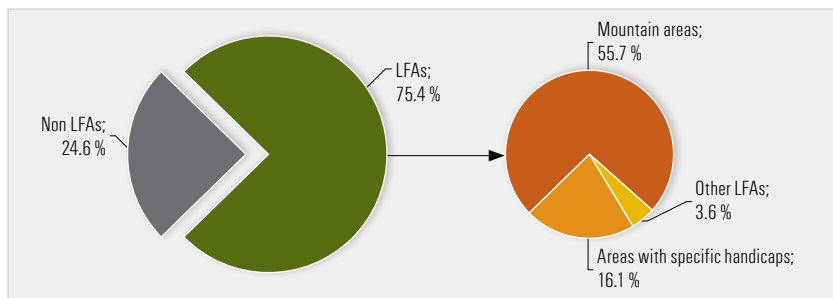
Source: SORS (National Accounts, External Trade, Crop Production), calculated by AIS

* agriculture, forestry, hunting and fisheries; 2017: provisional data

** commodity groups 01–24 of Combined Nomenclature (CN) of European Union; 2017: provisional data

*** annual statistics of crop production

Share of utilised agricultural area in less favoured areas (LFAs); 2017



Source: MAFF (Actual use of agricultural and forest land)

Structure of agricultural holdings

Agricultural holdings by land use and number of livestock								
	Number of holdings				Ø ha, heads/holding			
	2000	2010	2013	2016	2000	2010	2013	2016
Land use on agricultural holdings								
Holdings, total	86,467	74,646	72,377	69,902	5.6	6.4	6.6	6.9
Holdings with arable land	80,877	63,272	68,744	66,675	2.1	2.7	2.5	2.6
Holdings with orchards and olive groves	42,727	22,161	21,994	20,717	0.3	0.5	0.5	0.5
Holdings with vineyards	35,129	26,328	26,480	23,041	0.5	0.6	0.6	0.7
Holdings with permanent grassland*	74,230	61,949	62,301	60,401	3.8	4.5	4.4	4.6
Livestock on agricultural holdings								
Holdings with livestock (LSU)	77,452	58,648	57,749	55,782	6.1	7.2	6.9	7.5
Holdings with cattle	56,097	36,119	34,087	32,805	8.9	13.1	13.6	14.8
Holdings with dairy cows	28,588	10,953	9,770	9,572	5.0	9.9	10.6	11.6
Holdings with other cows	19,357	20,288	18,928	16,131	2.8	3.3	3.4	3.8
Holdings with pigs	44,623	26,441	23,700	22,649	13.5	14.4	12.1	12.1
Holdings with poultry	58,929	36,240	36,657	37,840	114.2	135.2	132.5	164.4
Holdings with horses	4,634	5,948	6,029	5,766	3.1	3.8	3.6	3.4
Holdings with sheep	4,330	6,181	6,243	6,150	22.2	22.3	20.9	21.9
Holdings with goats	4,775	4,214	4,022	4,598	6.2	8.3	8.6	8.4
Holdings with rabbits	12,682	8,051	8,300	8,672	14.2	10.6	11.6	12.7
Holdings with deer	190	352	505	406	22.0	20.9	19.3	21.7

Source: SORS (Agricultural Holdings), calculated by AIS
 * common grassland is not included

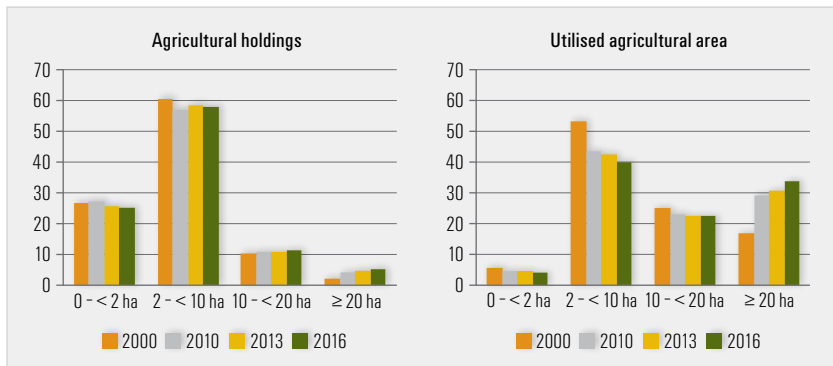
Labour force on agricultural holdings				
	2000	2010	2013	2016
Number of persons working on agricultural holdings	256,783	211,191	203,618	199,071
Number of annual working units (AWU)	107,809	77,012	82,746	79,967
AWU/number of persons working on agricultural holdings	0.42	0.36	0.41	0.40
AWU/100 ha of utilised agricultural area	22.2	16.2	17.3	16.7
AWU/agricultural holding	1.25	1.03	1.14	1.14
Number of holders-managers on agricultural holdings	86,336	74,425	72,176	69,671
of which: younger than 35 years (%)*	5.2	4.3	4.8	4.6
older than 65 years (%)*	32.2	30.4	25.3	28.5
with formal agricultural education (%)	5.8	8.8	11.6	14.3
Average age of holders-managers	57	57	56	57

Source: SORS (Agricultural Holdings), calculated by AIS
 * Eurostat (Agricultural Holdings Survey), calculated by AIS

Agricultural holdings and utilised agricultural area by size classes of UAA								
	Number of holdings				UAA (ha)			
	2000	2010	2013	2016	2000	2010	2013	2016
0 - < 2 ha	23,042	20,593	18,654	17,583	26,399	22,050	20,999	19,784
2 - < 5 ha	30,386	25,135	25,130	24,336	101,112	83,112	82,173	78,534
5 - < 10 ha	22,058	17,530	17,207	16,174	155,278	122,842	120,317	113,081
10 - < 20 ha	9,165	8,100	7,882	7,922	121,063	109,491	107,004	107,498
20 - < 30 ha	1,264	1,916	1,956	2,100	29,927	45,939	47,318	50,454
30 - < 50 ha	377	920	1,043	1,195	13,805	34,250	38,955	45,169
≥ 50 ha	175	452	506	593	38,294	56,750	60,258	65,069
Total	86,467	74,646	72,377	69,902	485,879	474,432	477,023	479,589

Source: SORS (Agricultural Holdings), calculated by AIS

Share of agricultural holdings and utilised agricultural area by size classes of UAA (%)



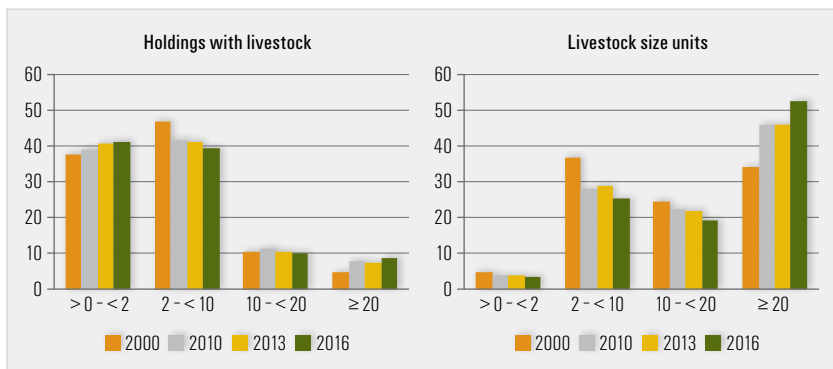
Source: SORS (Agricultural Holdings), calculated by AIS

Agricultural holdings with livestock and number of livestock size units by size classes of LSU

	Number of holdings				Number of LSU			
	2000	2010	2013	2016	2000	2010	2013	2016
> 0 - < 2	29,108	22,861	23,478	23,084	22,701	15,871	14,991	14,208
2 - < 5	22,160	14,598	14,731	12,848	72,585	47,809	48,094	41,509
5 - < 10	14,159	9,972	9,168	9,136	99,851	70,537	66,256	64,331
10 - < 20	8,328	6,678	6,122	5,698	114,864	93,327	86,171	79,690
20 - < 30	2,209	2,176	1,943	2,355	53,106	52,873	47,556	56,545
30 - < 50	1,037	1,510	1,426	1,600	38,026	56,908	53,928	60,330
≥ 50	451	853	880	1,061	69,365	84,227	82,353	102,072
Total	77,452	58,648	57,749	55,782	470,498	421,553	399,349	418,684

Source: SORS (Agricultural Holdings), calculated by AIS

Share of agricultural holdings with livestock and livestock size units by size classes of LSU (%)



Source: SORS (Agricultural Holdings), calculated by AIS

Number of agricultural holdings and utilised agricultural area by economic size classes

	Number of holdings			UAA (ha)		
	2010	2013	2016	2010	2013	2016
< 2,000 EUR	15,691	12,202	10,002	22,942	16,771	14,913
2,000 < 4,000 EUR	17,650	15,372	13,248	49,103	37,177	32,794
4,000 < 8,000 EUR	18,120	19,284	17,857	85,235	81,659	68,851
8,000 < 15,000 EUR	10,648	11,434	13,332	80,072	80,731	86,530
15,000 < 25,000 EUR	4,996	5,850	5,843	53,654	61,073	55,939
25,000 < 50,000 EUR	4,463	4,702	5,168	68,502	69,658	74,182
50,000 < 100,000 EUR	2,170	2,408	2,901	54,852	59,598	66,006
≥ 100,000 EUR	908	1,126	1,552	60,071	70,355	80,374
Total	74,646	72,377	69,902	474,432	477,023	479,589

Source: SORS (Agricultural Holdings)

Number of agricultural holdings, utilised agricultural area and economic size by type of farming

	Number of holdings		UAA (ha)		Economic size (000 EUR)	
	2010	2016	2010	2016	2010	2016
Specialist field crops	12,778	13,413	63,191	80,114	62,666	106,024
Specialist horticulture	523	432	2,173	1,678	27,253	27,631
Specialist permanent crops	8,688	9,189	22,275	28,153	76,194	160,069
Specialist grazing livestock	29,885	24,983	263,965	242,447	457,907	503,913
Specialist granivores	914	410	12,479	5,248	92,419	93,768
Mixed cropping	5,513	5,720	17,811	23,544	31,544	60,449
Mixed livestock holdings	4,929	3,793	26,505	21,048	47,735	42,767
Mixed crops - livestock	11,416	11,962	66,033	77,356	117,477	164,152
Type of farming - Total	74,646	69,902	474,432	479,589	913,194	1,158,773

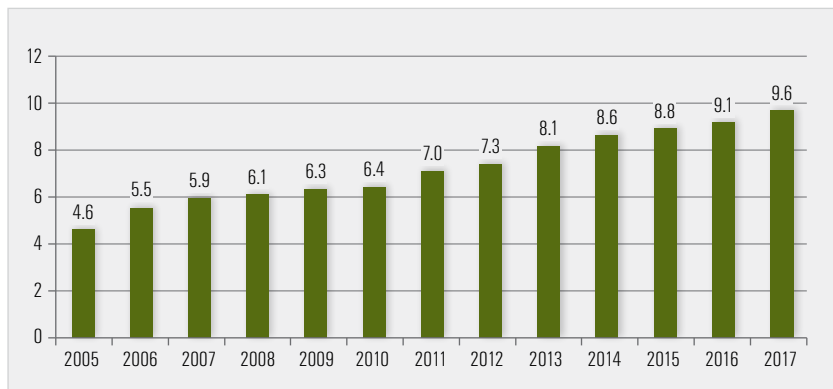
Source: SORS (Agricultural Holdings)

Agriculture and environment

Agricultural holdings and area with organic farming					
	Ø 2005-09	Ø 2010-14	2015	2016	2017
Number of agricultural holdings	1,951	2,722	3,417	3,518	3,635
• with organic farming	1,573	2,154	2,699	2,933	3,190
• in conversion to organic farming	378	568	718	585	445
Utilised agricultural area (ha)	27,709	35,568	42,188	43,579	46,222
• with organic farming	22,329	28,978	32,488	36,353	40,349
• in conversion to organic farming	5,381	6,590	9,700	7,226	5,874
Area with organic farming by land use (ha)					
Arable land	2,186	3,923	5,359	5,700	5,942
of which: vegetables and strawberries	114	181	281	267	227
Orchards	611	1,008	1,466	1,608	1,870
Vineyards	154	346	495	536	561
Olive groves	24	157	214	240	243
Nurseries	-	0	-	0	0
Permanent grassland	24,733	30,132	34,653	35,494	37,607

Source: SORS (Organic Farming), calculated by AIS

Share of area with organic farming in utilised agricultural area (%)



Source: SORS (Organic Farming), calculated by AIS

Indicators of arable land utilisation (%)					
	Ø 2005-09	Ø 2010-14	2015	2016	2017
Soil cover on arable land by green crops*	61.2	62.2	61.6	61.9	61.6
Share of arable land covered by grasses**	17.8	19.8	17.7	18.3	18.6
Share of legumes in crop rotation***	12.4	15.3	15.5	16.3	16.4
Share of maize in crop rotation	38.8	38.9	38.8	37.4	38.7

Source: SORS (Crop Production), calculated by AIS

* soil cover which is based on seeding structure of main crops (stubble crops not taken into account)

** grasses, grass-clover mixtures and clovers on arable land

*** including grass-clover and clover-grass mixtures

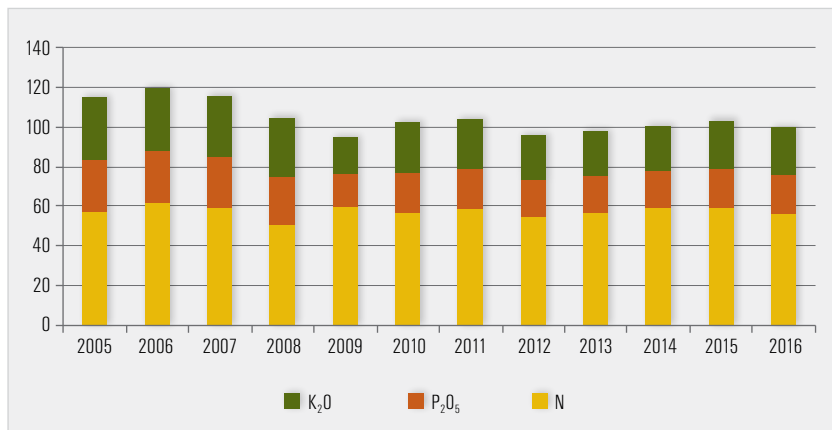
Area of minor agricultural plant species (ha)					
	Ø 2005-09	Ø 2010-14	2015	2016	2017
Spelt	182	308	635	800	575
Buckwheat	794	1,487	2,435	3,127	3,647
Sunflowers	185	294	230	241	299
Millet	304	200	491	399	347
Field peas	1,737	390	447	611	658
Soya	128	208	1,705	2,466	2,908

Source: SORS (Crop Production), calculated by AIS

Mineral fertiliser use (t)				
	Ø 2005-09	Ø 2010-14	2015	2016
Mineral fertiliser use, total	139,966	131,585	136,114	129,480
Pure nutrients use, total	54,201	47,760	49,278	47,614
Nitrogen (N)	28,481	27,359	28,319	27,097
Phosphorus (P ₂ O ₅)	11,711	9,169	9,435	9,161
Potassium (K ₂ O)	14,010	11,232	11,524	11,356

Source: SORS (Production Methods in Agriculture), calculated by AIS

Pure nutrients use per hectare of utilised agricultural area (kg)



Source: SORS (Production Methods in Agriculture), calculated by AIS

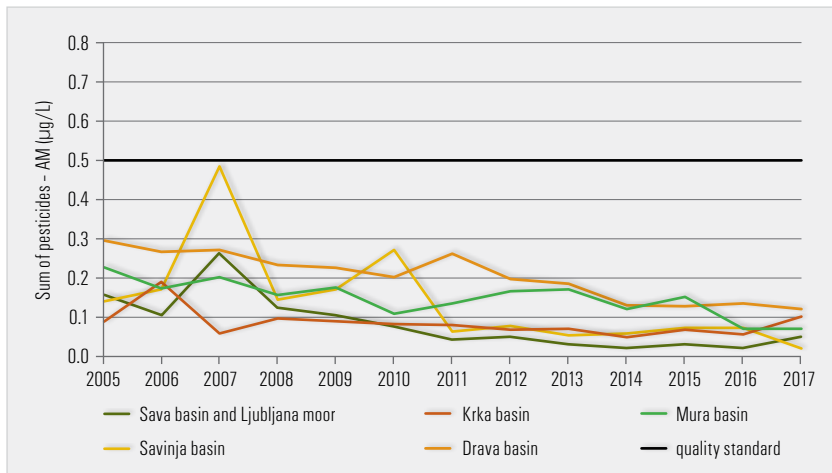
Emissions from agriculture to environment				
	Ø 2005-09	Ø 2010-14	2015	2016
Gross N surplus (kg/ha utilised agricultural area)	55	53	45	42
Net N surplus (kg/ha utilised agricultural area)	21	20	12	9
P surplus (kg/ha utilised agricultural area)	5	3	2	1
Emissions of greenhouse gases (000 t eq CO ₂)	1,777	1,697	1,754	1,777
Emissions of ammonia (000 t)	18.1	16.9	16.9	17.2

Source: AIS

Pesticide sale (t active substance)				
	Ø 2005-09	Ø 2010-14	2015	2016
Pesticide groups, total	1,246	1,040	1,047	1,156
Fungicides	823	732	759	860
Herbicides	310	247	224	247
Insecticides	85	41	38	41
Other pesticides	29	20	25	9

Source: SORS (Production Methods in Agriculture), calculated by AIS

Average annual values (AM) of sum of pesticides and their degradation products in groundwater bodies with alluvial aquifers



Source: SEA (Standardised database for water quality monitoring, 2018)

Agricultural output

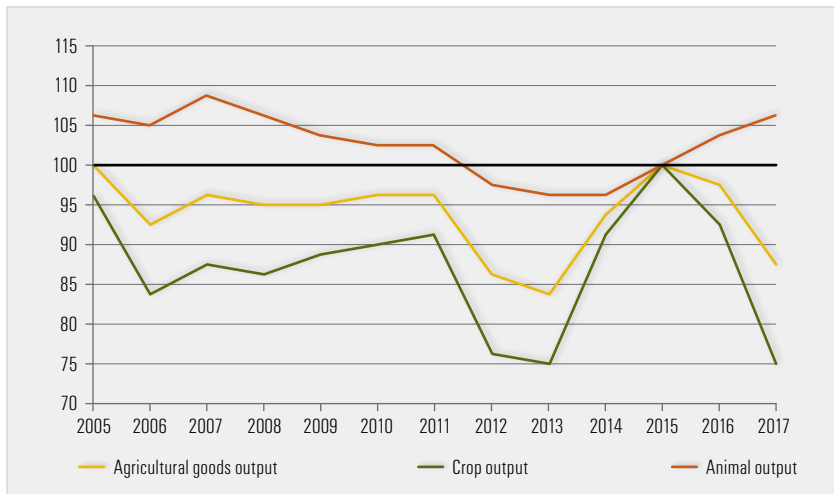
Share of individual products in agricultural output (%)					
	Ø 2005-09	Ø 2010-14	2015	2016	2017*
Crop output	50.4	52.8	56.8	55.3	49.7
Cereals	7.1	7.9	6.8	6.8	6.4
of which: Wheat and spelt	2.1	2.4	2.0	1.8	1.8
Industrial crops	2.8	2.0	2.5	3.2	2.4
of which: Oil seeds and oleaginous fruits	0.8	1.3	1.3	1.5	1.0
Forage plants	15.5	16.6	15.3	16.3	13.7
Vegetables and horticultural products	6.6	7.2	9.2	9.9	9.8
of which: Fresh vegetables	4.1	4.6	6.2	6.8	6.8
Potatoes	2.0	1.7	1.3	1.6	1.6
Fruits	6.1	7.0	8.4	5.9	3.8
Grapes	1.6	1.1	1.3	1.3	1.4
Wine	8.3	9.0	11.6	9.9	10.3
Olive oil	0.4	0.3	0.3	0.3	0.3
Animal output	47.8	45.5	41.7	43.2	48.8
Cattle	13.4	12.4	11.5	12.5	13.7
Pigs	7.8	4.7	3.3	3.7	4.0
Poultry	7.0	8.0	7.1	8.0	8.3
Sheep and goats	0.8	0.6	0.7	0.7	0.8
Other animals	0.4	0.4	0.4	0.5	0.5
Milk	15.3	15.0	13.3	12.6	15.9
Eggs	2.2	2.7	2.9	3.0	3.3
Other animal products	1.1	1.7	2.5	2.3	2.3
Agricultural services output	1.8	1.7	1.6	1.4	1.5
AGRICULTURAL OUTPUT	100.0	100.0	100.0	100.0	100.0

Source: SORS (Economic Accounts for Agriculture), calculated by AIS
 * provisional data

Gross agricultural output volume change (%; change from previous year)					
	Ø 2005-09	Ø 2010-14	2015	2016	2017*
Crop output	-1.9	0.6	9.1	-7.7	-18.5
Cereals	-1.2	4.4	-3.7	2.2	-16.6
Oil seeds and oleaginous fruits	2.6	7.1	2.4	30.3	-32.6
Potatoes	-8.5	2.2	-7.3	-7.0	-7.5
Fresh vegetables	-1.6	-0.2	11.8	10.0	-8.3
Forage plants	0.4	-0.6	9.0	1.7	-24.1
Fruits	-7.6	0.3	17.2	-39.1	-50.3
Grapes	0.5	-12.4	74.5	-15.1	-4.4
Wine	-4.4	0.6	14.8	-21.1	-4.5
Animal output	-0.8	-1.3	3.1	4.1	1.9
Cattle	-1.3	-0.5	3.6	6.9	1.9
Pigs	-7.3	-8.1	-11.4	9.5	-2.5
Poultry	3.1	-0.3	-1.8	9.0	5.6
Milk	-0.1	0.5	2.5	2.8	0.7
Agricultural goods output	-1.3	-0.3	6.4	-2.7	-9.6
Agricultural services output	-1.2	-2.0	-0.1	-12.2	0.0
AGRICULTURAL OUTPUT	-1.3	-0.3	6.3	-2.9	-9.4

Source: SORS (Economic Accounts for Agriculture), calculated by AIS
* provisional data

Changes in agricultural goods output by volume (2015=100)



Source: SORS (Economic Accounts for Agriculture), calculated by AIS

Crop area (ha)					
	Ø 2005-09	Ø 2010-14	2015	2016	2017
Cereals	99,488	97,666	98,955	98,355	98,461
of which: Wheat and spelt	32,826	32,216	30,734	31,461	28,017
Barley	18,069	17,994	20,110	19,184	20,369
Grain maize	41,085	39,194	37,743	36,388	38,290
Rapeseed	3,859	5,382	1,629	3,156	3,435
Pumpkins for oil	4,017	4,749	4,939	5,410	4,500
Hops	1,566	1,297	1,405	1,485	1,591
Potatoes	5,309	3,611	3,319	3,164	3,165
Vegetables	3,966	4,225	5,002	5,515	5,434
Green fodder from arable land	60,770	62,601	59,767	61,298	62,447
of which: Green maize	27,601	27,754	28,735	28,689	29,194
Fodder from permanent grassland	288,093	277,373	278,678	276,247	279,216
Fruits*	9,437	9,593	10,012	10,462	10,574
of which: Intensive orchards	4,274	4,006	3,964	4,031	4,124
of which: Apples	2,934	2,678	2,465	2,416	2,355
Wine grapes	16,223	16,230	15,692	15,824	15,839
Olives	874	919	1,076	1,173	1,243

Source: SORS (Crop Production), calculated by AIS
* including strawberries

Crop production (t)					
	Ø 2005-09	Ø 2010-14	2015	2016	2017
Cereals	542,843	571,855	624,047	638,064	546,994
of which: Wheat and spelt	141,257	161,320	157,058	163,165	140,961
Barley	67,669	80,647	93,174	91,653	97,929
Grain maize	311,607	302,944	338,712	346,211	272,177
Rapeseed	9,175	16,232	3,643	8,590	8,999
Pumpkins for oil	2,736	2,854	3,410	4,117	2,517
Hops	2,309	1,812	2,065	2,478	2,160
Potatoes	117,296	87,123	91,036	84,907	77,075
Vegetables	78,739	73,103	95,546	105,504	96,354
Green fodder from arable land	1,411,740	1,350,990	1,622,649	1,635,467	1,354,772
of which: Green maize	1,190,562	1,131,882	1,398,512	1,398,014	1,162,804
Fodder from permanent grassland	1,535,954	1,427,492	1,633,585	1,661,714	1,247,770
Fruits*	143,523	132,194	156,114	90,955	39,721
of which: Intensive orchards	96,693	85,583	102,194	58,581	24,765
of which: Apples	79,104	70,913	83,855	42,739	13,605
Wine grapes	113,494	103,329	117,586	94,780	89,416
Olives	2,136	1,326	1,578	1,662	1,685

Source: SORS (Crop Production), calculated by AIS
* including strawberries

Number of livestock (on December 1 st)					
	Ø 2005-09	Ø 2010-14	2015	2016	2017
Cattle	465,798	464,269	484,192	488,598	479,614
of which: Cows	175,585	169,144	169,875	171,339	168,727
of which: Dairy cows	115,135	109,394	112,838	107,841	108,825
Pigs	502,476	321,734	271,385	265,744	257,241
of which: Breeding sows	36,274	19,934	15,886	15,146	15,828
Sheep and goats	160,951	141,812	136,365	142,250	133,978
of which: Breeding ewes/goats	111,116	97,248	93,649	96,132	95,970

Source: SORS (Animal Production), calculated by AIS

Livestock production (t)					
	Ø 2005-09	Ø 2010-14	2015	2016	2017*
Beef & veal (live weight gain)	77,360	77,100	76,800	81,800	81,100
Pigmeat (live weight gain)	74,000	44,200	33,600	36,800	37,500
Poultrymeat (live weight gain)	79,260	83,420	82,500	89,900	96,200
Sheep and goatmeat (live weight gain)	4,157	3,337	3,355	3,395	3,434
Milk	651,318	609,432	633,822	651,396	656,326
of which: Cows milk	649,394	607,708	631,671	649,675	654,354
Eggs (mill. pieces)	308.7	349.4	391.3	386.9	397.0
Honey	1,774	1,609	2,047	1,298	804

Source: SORS (Animal Production), calculated by AIS
* provisional data

Average yields					
	Ø 2005-09	Ø 2010-14	2015	2016	2017
Wheat and spelt (t/ha)	4.3	5.0	5.1	5.2	5.0
Grain maize (t/ha)	7.6	7.8	9.0	9.5	7.1
Rapeseed (t/ha)	2.3	3.0	2.2	2.7	2.6
Potatoes (t/ha)	22.3	24.0	27.4	26.8	24.4
Dessert apples (t/ha)	27.0	26.5	34.0	17.7	5.8
Cows milk (kg/cow)*	5,642	5,556	5,598	6,024	5,960
Eggs (pieces/laying hen)*	239	260	268	225	225

Source: SORS (Crop Production, Animal Production), calculated by AIS
* 2017: provisional data

Supply balances of agricultural products

Human consumption of selected agricultural products per capita (kg; calendar year)					
	Ø 2005-09	Ø 2010-14	2015	2016	2017*
Cereals (without rice)**	89.2	86.9	89.9	90.3	89.8
of which: Wheat**	71.2	72.3	76.3	76.1	74.7
Potatoes	77.3	64.4	68.3	68.5	68.2
of which: Fresh potatoes	58.6	45.1	48.1	46.8	48.9
Vegetables	96.3	96.9	109.9	113.4	113.2
of which: Fresh vegetables	73.0	71.7	82.6	84.3	82.8
Fruits	136.3	127.6	134.2	122.7	121.2
of which: Fresh fruits	75.7	73.9	83.9	71.6	71.3
Wine*** (l)	39.5	37.6	39.3	38.6	:
Meat (with offal)	95.4	87.7	88.3	94.2	93.2
of which: Beef and veal	21.4	19.1	19.0	20.0	20.8
Pigmeat	43.0	38.2	37.0	40.7	37.8
Poultrymeat	25.7	26.7	28.9	30.0	31.0
Milk, total****	228.4	221.4	218.7	213.2	209.7
Eggs	8.5	9.9	11.1	10.7	11.5

Source: SORS (Supply Balance Sheets), calculated by AIS

* provisional data
 ** in flour equivalent
 *** marketing year
 **** in raw milk equivalent

Self-sufficiency in selected agricultural products (%; calendar year)					
	Ø 2005-09	Ø 2010-14	2015	2016	2017*
Cereals (without rice)	56.8	65.8	72.1	74.1	63.1
Wheat	48.3	55.0	52.1	52.5	46.4
Maize	64.6	72.9	86.9	92.0	71.4
Potatoes (fresh and processed, without starch)	64.9	58.9	58.8	54.9	49.7
Vegetables (fresh and processed)	38.2	34.5	39.6	41.7	38.7
Fruits (fresh and processed)	45.3	43.0	47.0	31.8	14.6
Wine**	97.8	91.7	99.5	81.8	:
Meat (with offal)	88.5	82.8	73.9	76.4	81.5
Beef and veal	99.4	108.2	98.6	107.7	110.4
Pigmeat	67.6	45.4	34.6	34.5	38.2
Poultrymeat	111.3	112.7	103.1	106.7	109.5
Milk, total	116.4	118.4	125.1	131.7	134.4
Eggs	95.0	92.6	93.0	94.8	90.5

Source: SORS (Supply Balance Sheets), calculated by AIS

* provisional data
 ** marketing year

Agricultural prices

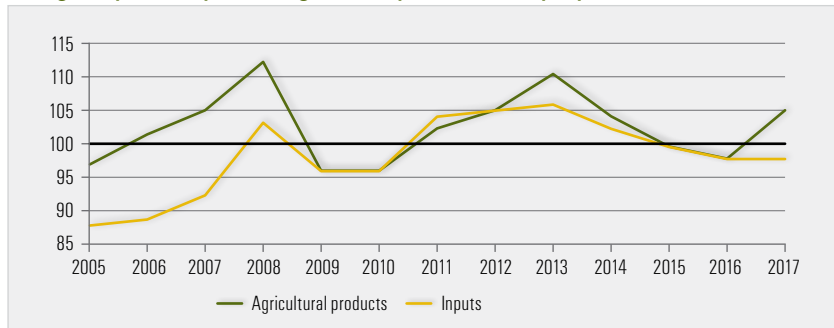
Average producer prices for selected agricultural products (EUR/kg)								
	2010	2011	2012	2013	2014	2015	2016	2017
Wheat (without seed)	0.136	0.193	0.196	0.181	0.169	0.168	0.134	0.154
Grain maize (without seed)	0.155	0.170	0.200	0.169	0.125	0.132	0.131	0.141
Rapeseed	0.273	0.422	0.450	0.358	0.307	0.364	0.327	0.320
Potatoes (without seed)	0.174	0.171	0.178	0.392	0.210	0.186	0.233	0.232
Dessert apples	0.411	0.452	0.474	0.575	0.410	0.461	0.495	0.629
Wine (EUR/l)	2.161	2.374	2.244	1.912	2.137	2.599	2.672	2.696
Bulls (live weight)	1.572	1.741	1.915	1.850	1.802	1.810	1.759	1.822
Pigs for slaughter (live weight)	1.117	1.204	1.348	1.372	1.317	1.240	1.223	1.322
Poultry for slaughter (live weight)	1.024	1.089	1.097	1.181	1.106	1.076	1.057	0.994
Cows milk	0.265	0.302	0.300	0.321	0.345	0.282	0.250	0.301
Eggs for consumption (EUR/egg)	0.094	0.096	0.105	0.110	0.109	0.106	0.105	0.104

Source: SORS (Purchase of Agricultural Products), calculated by AIS

Agricultural price changes (%; nominal; change from previous year)					
	Ø 2005-09	Ø 2010-14	2015	2016	2017
Agricultural products, total	2.3	3.2	-4.5	-1.8	8.9
Crop products	3.7	1.1	4.7	4.8	10.8
Animals and livestock products	1.7	4.3	-8.9	-5.5	7.7
Agricultural inputs, total	4.6	2.9	-2.6	-1.7	0.8
Consumer goods and services	4.9	3.5	-4.6	-3.0	0.3
Investment goods and services	3.9	1.5	2.1	1.5	1.9
Terms of trade (agricultural products/inputs)	-2.2	0.3	-1.9	-0.2	8.0

Source: SORS (Economic Accounts for Agriculture), calculated by AIS

Changes in producer prices of agricultural products and input prices (deflated; 2015=100)



Source: SORS (Agricultural Price Statistics), calculated by AIS

Economic accounts for agriculture

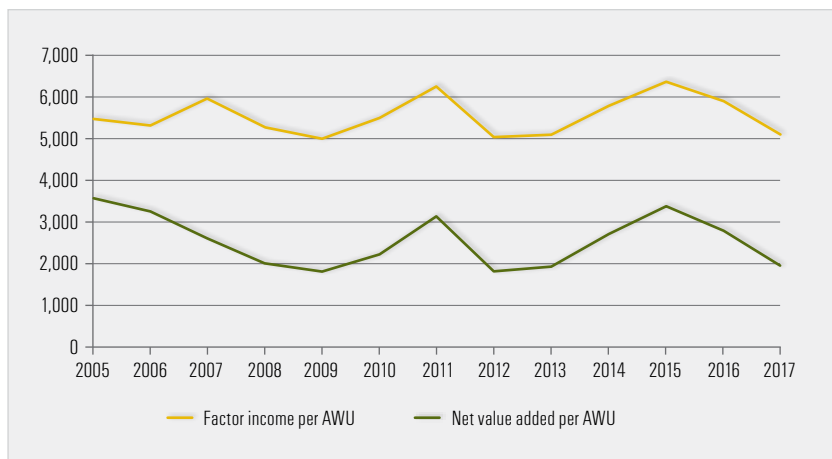
Main aggregates of economic accounts for agriculture at basic prices (mill. EUR)*					
	Ø 2005-09	Ø 2010-14	2015	2016	2017**
Total output	1,090.6	1,175.1	1,276.7	1,222.0	1,173.1
Intermediate consumption	664.7	744.6	743.3	737.2	758.6
Gross value added	425.8	430.5	533.5	484.7	414.5
Fixed capital consumption	225.0	247.4	258.1	259.7	256.2
Net value added	200.8	183.1	275.4	225.0	158.3
Other subsidies on production	213.6	248.5	243.5	252.7	257.0
Other taxes on production	3.0	1.4	1.4	1.4	1.4
Factor income	411.5	430.2	517.5	476.3	413.9
Agricultural labour (000 AWU)	85.2	80.1	81.4	80.0	78.9
Factor income per AWU (EUR)	4,836	5,377	6,359	5,956	5,243

Source: SORS (Economic Accounts for Agriculture), calculated by AIS

* current exchange rate (until 2007)

** provisional data

Agricultural incomes per AWU (EUR; deflated; constant prices 2015)



Source: SORS (Economic Accounts for Agriculture), calculated by AIS

Budgetary support to agriculture

Budgetary transfers to agri-food sector (mill. EUR; executed payments in calendar year)					
	Ø 2005–09	Ø 2010–14	2015	2016	2017
Market and direct producer support measures	140.5	164.2	155.4	163.9	166.9
Market support	4.5	2.4	0.9	1.0	1.1
Direct payments to producers	113.2	136.3	131.7	137.4	135.8
Variable input subsidies	11.0	21.0	22.1	21.8	22.9
Disaster payments and other compensations to producers	11.9	4.6	0.6	3.7	7.1
Structural and rural developments measures	155.0	158.8	149.5	112.1	115.9
Improving the competitiveness of agriculture and related sectors	60.8	50.0	53.5	16.2	23.8
On farm investment and restructuring support	41.2	28.9	30.4	12.1	18.8
Agricultural infrastructure	3.6	5.9	8.7	1.7	1.4
Producer groups, processing, marketing and promotion	15.9	15.2	14.4	2.4	3.7
Providing ecosystem services	86.4	80.1	75.7	93.7	87.7
Payments to farmers in areas with natural constraints	47.1	41.6	35.6	60.5	44.4
Agri-environmental-climate payments	34.2	31.0	28.7	24.3	28.9
Organic farming payment	5.1	7.5	10.0	7.6	8.7
Animal welfare payments to farmers	0.0	0.0	1.4	1.2	5.7
Supporting rural economy and population	7.8	28.7	20.3	2.3	4.4
General measures related to agriculture	42.3	39.8	37.6	36.7	40.1
Research, development, advisory and expert services	23.3	21.2	18.1	18.3	19.9
Food safety and quality control	15.4	14.4	12.6	12.7	15.8
Other general support	3.6	4.2	6.9	5.6	4.4
TOTAL BUDGETARY SUPPORT TO AGRICULTURE	337.8	362.9	342.5	312.7	322.8

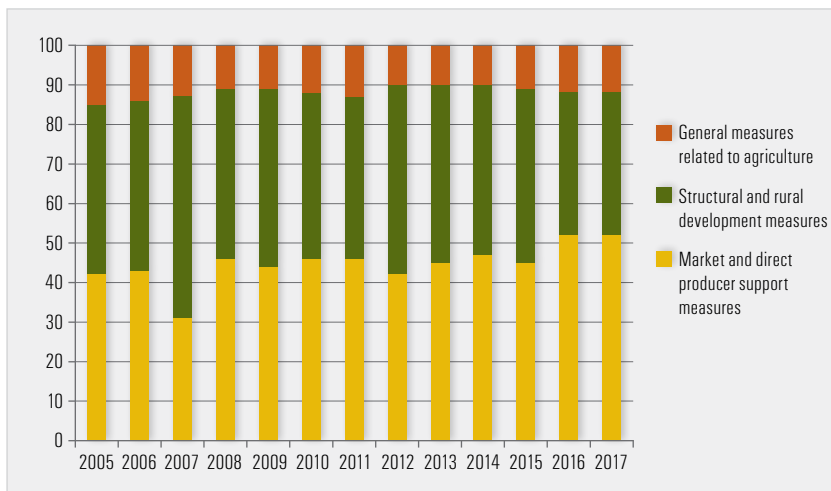
Source: MAFF, AKTRP, calculated by AIS

Share of co-financing of budgetary support to agriculture from the EU budget (%; calendar year)

	Ø 2005-09	Ø 2010-14	2015	2016	2017
Market and direct producer support measures	41	70	86	86	83
Structural and rural developments measures	72	77	76	75	75
General measures related to agriculture	6	7	11	11	12
TOTAL BUDGETARY SUPPORT TO AGRICULTURE	51	66	73	73	71

Source: MAFF, AKTRP, calculated by AIS

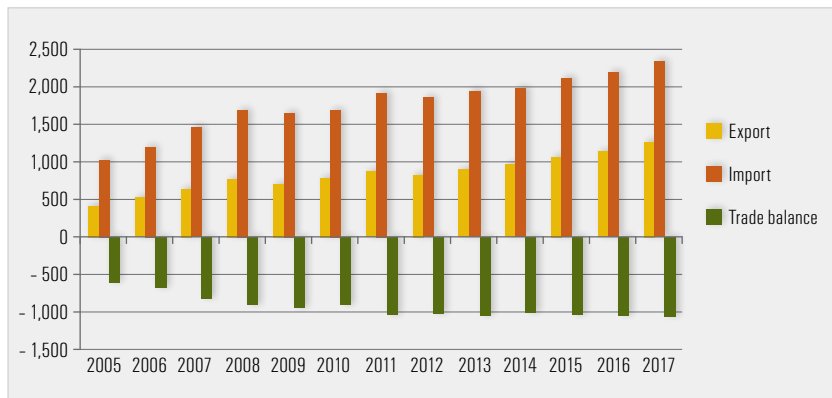
Breakdown of budgetary support to agriculture by main group of measures (%; calendar year)



Source: MAFF, AKTRP, calculated by AIS

Export and import of agri-food products

External trade with agri-food products (mill. EUR)*



Source: SORS (External Trade), calculated by AIS
 * commodity groups 01–24 of Combined Nomenclature (CN) of European Union; 2017: provisional data

Composition of agri-food trade by main commodity groups (%)*					
	Ø 2005–09	Ø 2010–14	2015	2016	2017
Export (mill. EUR)	614	868	1,060	1,138	1,269
Meat and meat preparations (CN 02 and CN 16)	17.4	15.3	15.6	15.5	15.4
Dairy produce, eggs, natural honey (CN 04)	7.5	10.2	11.3	12.2	15.1
Residues, waste from the food industries, fodder (CN 23)	15.6	15.6	12.8	12.4	13.8
Miscellaneous edible preparations (CN 21)	11.6	10.1	10.9	10.2	8.8
Beverages, spirits and vinegar (CN 22)	13.8	9.6	12.5	12.3	8.2
Edible fruits and vegetables (CN 08 and CN 07)	6.9	6.5	8.9	7.7	7.7
Other	27.3	32.8	27.9	29.8	31.0
Import (mill. EUR)	1,400	1,681	2,097	2,181	2,330
Edible fruits and vegetables (CN 08 and CN 07)	14.6	13.2	14.0	14.2	14.8
Meat and meat preparations (CN 02 and CN 16)	11.9	12.9	13.4	13.7	13.0
Residues, waste from the food industries, fodder (CN 23)	9.8	7.9	10.6	10.7	9.9
Miscellaneous edible preparations (CN 21)	6.9	7.3	7.3	7.7	7.6
Dairy produce, eggs, natural honey (CN 04)	5.8	7.5	7.2	6.8	7.5
Preparations of cereals, flour or starch (CN 19)	6.3	6.9	7.0	7.1	7.2
Beverages, spirits and vinegar (CN 22)	5.7	5.9	6.6	6.5	6.4
Other	38.9	38.4	33.9	33.4	33.6

Source: SORS (External Trade), calculated by AIS
 * commodity groups 01–24 of Combined Nomenclature (CN) of European Union; 2017: provisional data

Composition of agri-food trade by main trading partners (%)*					
	Ø 2005-09	Ø 2010-14	2015	2016	2017
Export (mill. EUR)	614	868	1,060	1,138	1,269
Croatia	13.2	11.5	18.6	21.1	20.9
Italy	28.6	27.7	22.4	22.0	20.7
Austria	10.1	9.9	9.7	9.4	10.0
Bosnia-Herzegovina	10.4	7.8	6.6	6.0	5.9
Hungary	5.6	7.5	6.5	5.0	4.5
Germany	4.3	3.9	3.5	5.2	4.5
Other	27.9	31.7	32.7	31.3	33.4
Import (mill. EUR)	1,400	1,681	2,097	2,181	2,330
Italy	18.8	16.1	16.2	16.4	15.3
Austria	18.0	17.8	14.4	13.7	14.0
Croatia	5.4	6.5	10.8	12.2	13.1
Germany	11.4	14.3	14.5	13.6	12.5
Hungary	9.3	8.6	6.7	6.5	6.5
Brazil	4.0	4.7	6.9	6.9	6.4
Other	33.1	32.0	30.3	30.7	32.2

Source: SORS (External Trade), calculated by AIS

* commodity groups 01-24 of Combined Nomenclature (CN) of European Union; 2017: provisional data

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