



Slovenian Agriculture in Numbers

2020

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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 October 1st 2020. 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 fisheries; https://pxweb.stat.si/SiStatDb/pxweb/si/30_Okolje/),
- **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 (https://www.kis.si/Porocila_o_stanju_v_kmetijstvu_OEK/), prepared by the Agricultural Institute of Slovenia (AIS). The data in the brochure are rounded, therefore derivations from the SORS data or other data may occur.

Summary

In 2019, agriculture, together with hunting, forestry and fisheries contributed 2.3% to total value added and 6.9% to total employment. Similarly, as in the recent few years, the share of employment in agriculture continues to decrease.

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 ha), 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 increased. Livestock production remains the most important agricultural activity, with 80% of all agricultural holdings engaged in this type of 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, a reduction of negative **impacts of agriculture on the environment** can be noticed. The use of pesticides and mineral fertilizers has become more rational. In general, there is also a notable increase in the share of legumes in crop rotation and an increase in the area of minor agricultural plant species. The agricultural area under organic farming is also increasing; in 2019 to almost 50 thousand ha (10.3% of all UAA), with permanent grassland predominating in the structure (81%).

In terms of agricultural production, the year 2019 was not so favourable compared to the previous year. The **agricultural production volume** decreased by almost 8%, with crop volume dropped by 13% and livestock production volume remaining at the level of the previous year.

The fruit harvest was much worse than the previous record harvest (due to the severe frost), and the grape harvest was also below average, but on the other hand of good quality. For most arable crops, the 2019 harvest was better (only potatoes, oil pumpkin and hops recorded lower yields per hectare). Notably higher total yields than in 2018 were only recorded for cereals (mainly a good harvest of small grain cereals) and vegetables (significantly larger area), while the other groups of agricultural plants remained on average close to the level as the previous year or were lower. Fruit production was down by almost half and grapes production by about a fifth less than in 2018. Compared to 2018, the agricultural land use on agricultural holdings increased only slightly (+0.5%), especially the area of arable land (+1.1%). There was also more area for vegetables and green fodder, while the area of meadows and pastures and permanent crops remained almost at the same level as the previous year.

In 2019, there was recorded an increase in the three most important livestock production: cattle meat, pig meat and broilers production. A decrease was recorded in sheep and goat meat production, within which structural changes and a shift towards milk production can be observed. In 2019, more goat milk was produced than in the previous year, while cow's milk was slightly less produced. Egg production was again higher than the year before. Conditions for honey production were extremely unfavorable, resulting in almost two-thirds less honey being produced in 2019 than in the previous year.

Domestic consumption increased markedly in maize, vegetables and sugar, and among animal products in eggs. The highest consumption ever was recorded in vegetables and eggs. A slight decrease in meat consumption was due to lower consumption of pig meat and poultry meat, while consumption of cattle meat remained at the same level as the previous year. Notable decreases in consumption were recorded in fruit, wheat, potatoes and honey. Milk consumption declined slightly in 2019 and was slightly below the last five-year average. **Self-sufficiency rates**, which have fluctuated due to the changes in production volumes and consumption in the recent period, were in 2019 higher than the previous year in cereals and vegetables, and lower in fruit, potatoes, milk and honey. Similar to previous years, domestic production of milk (self-sufficiency rate 127%), poultry meat (111%) and cattle meat (103%) were higher than domestic consumption. In all other important agricultural products, domestic production was lower than domestic consumption.

In 2019, **producer prices of agricultural products** increased slightly at the aggregate level. Compared to 2018, they increased by 3.7% (+2.1% in real terms). Increase in prices occurred both, the price levels of crop products and the price levels of animal products.

Prices of crop products at the aggregate level increased by 3.1% in 2019 compared to the previous year and prices were higher than the last ten-year average. On average, the highest increase in prices was recorded for potatoes, grapes, hops and vegetables. Compared to the previous year, the decrease in prices was recorded for fruits and cereals. In livestock production, average producer prices at aggregate level increased by 4.1%. The largest increase was recorded in the prices of pigs and cow's milk. A slight increase was also recorded for the prices of edible eggs and poultry. Only prices for cattle recorded a slight decrease.

In 2019, besides the increase of agricultural producer prices, **prices of agricultural inputs** also increased (by +2.7% or +1.0% in real terms). The most notably increased the prices of seeds and seedlings, mineral fertilizers and plant protection products. Growth in the prices of other inputs was not so intense. As the increase in the prices of agricultural products was higher than the increase in the prices of agricultural inputs, the terms of trade were favorable and above the average of recent years.

The **economic results of agriculture** at the aggregate level were less favourable in 2019 than in 2018, which was the most favourable year ever for Slovenian agriculture. Net value added decreased by almost one fifth compared to the previous year and factor income decreased by around 12%, both in real terms. With a lower value of total output (around 1.3 billion EUR) and at the same time slightly lower intermediate consumption, factor income in 2019 was around 533 million EUR or almost 6,900 EUR per annual working unit. Compared to the very favourable previous year, the drop in income was mainly due to the lower physical volume of crop production (especially of fruit and grapes) at favourable terms of trade at the aggregate level.

In 2019, in the framework of **direct payments** the implementation of schemes continued: the basic payment, green payment, additional payment for Young Farmers scheme, payment for the areas with natural constraints 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. Due to the external convergence, the national envelope for direct payments decreased to 134.3 million EUR (135.1 million EUR in 2018).

The implementation of the measures defined in the **RDP for the period 2014–2020** also continued. By the end of 2019 approximately 794 million EUR had been granted for measures and technical assistance (72% of the program's available resources; 1,107 million EUR) of which 640 million (55%) had been already paid out. Most of the payments (68%) 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. Among the measures implemented on the basis of public tenders, nine public tenders were published in 2019.

Total **budget support to agriculture** amounted to EUR 376.7 million, which is slightly more than the previous year. The share of co-financing from the EU budget was 72%.

According to the structure of budget support, for the first time since 2012, most funds were allocated to structural and rural development measures (46%), which is a result of the increased absorption of funds under the RDP 2014-2020. This is followed by a funding market and direct support measures (43%). The share earmarked for the financing of general agricultural services remained relatively low (11%).

Structural and rural development measures at aggregated level increased by 10% compared to 2018. Payments were higher for measures providing environmental and other social benefits, and account for more than half of all measures within rural and structural development policy. More payments were also made under measures aimed at improving the competitiveness of agriculture and supporting the rural economy and population.

The total **trade in agri-food goods** increased by 5.4% in 2019, with the export increasing by 7.0% and import by 4.5%. Further, the coverage of import by export increased (to 59%) and trade deficit also slightly increased (-1,048 million EUR).

Slovenia remains net value importer for most agri-food products. Trade surplus (in value) occurred in groups meat preparations and live animals, with a smaller surplus in the group live animals compared to the previous year. Trade surplus (in value) also occurred in miscellaneous edible preparations, oilseeds and oleaginous fruits and lac, gums etc. A larger deficit as in the year before was recorded for meat, vegetables and fodder, whereas deficit for fruits, milk and dairy products, cereals and sugar decreased. There were no major changes in the regional structure of agri-food trade in 2019. As in the previous years, most of the agri-food trade was created with the EU member states (76% of export and 86% of import).

Key general statistics for Slovenian agriculture

	Ø 2007-11	Ø 2012-16	2017	2018	2019
Agriculture in economy					
Gross value added of agricultural sector (mill. EUR)*	698.7	762.1	796.4	963.2	948.2
• Share in total value added (%)	2.2	2.3	2.1	2.4	2.3
Employment in the agriculture (000)*	81.6	76.0	73.5	73.1	72.1
• Share in total employment (%)	8.4	8.1	7.4	7.2	6.9
Exports of agri-food products (mill. EUR)**	757.9	976.0	1,270.5	1,415.5	1,514.2
• Share in total export of goods (%)	4.0	4.2	4.5	4.6	4.5
Imports of agri-food products (mill. EUR)**	1,675	2,006	2,332	2,453	2,562
• Share in total import of goods (%)	8.1	8.8	8.4	8.0	7.5
Trade balance with agri-food products (mill. EUR)**	-917	-1,030	-1,061	-1,037	-1,048
Agricultural land use***					
Utilised agricultural area (ha)	480,047	479,058	481,415	477,296	479,822
Arable land (%)	36.2	36.1	36.2	36.1	36.3
Permanent crops (%)	5.5	5.7	5.8	5.8	5.8
Permanent grassland (%)	58.3	58.2	58.0	58.1	57.9
Share of utilised agricultural area in total area (%)	23.7	23.6	23.7	23.5	23.7
Utilised agricultural area per inhabitant (ha)	0.24	0.23	0.23	0.23	0.23

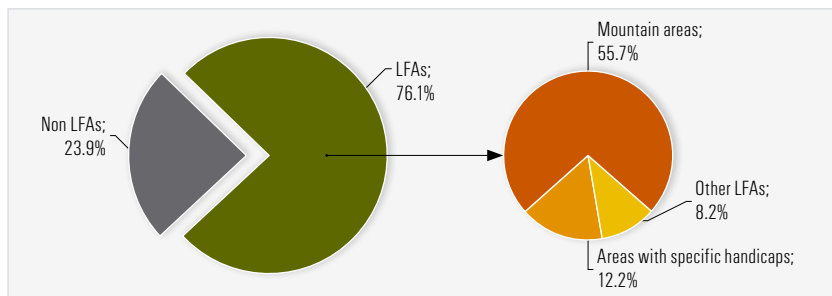
Source: SORS (National Accounts, External Trade, Crop Production), calculated by AIS

* agriculture, forestry, hunting and fisheries; 2019

** commodity groups 01–24 of Combined Nomenclature (CN) of European Union; 2019

*** annual statistics of crop production

Share of utilised agricultural area in less favoured areas (LFAs); 2019



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

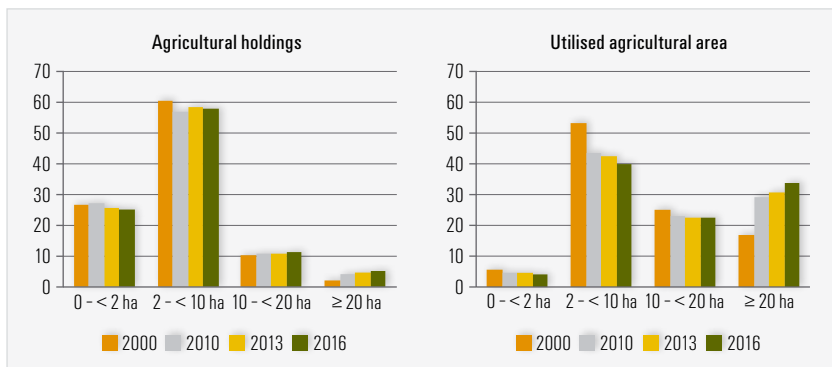
Labour force on agricultural holdings				
	2000	2010	2013	2016
Number of persons working on agricultural holdings	256,783	211,191	203,618	199,071
Number of annual working units (AWU)	107,809	77,012	82,746	79,967
AWU/number of persons working on agricultural holdings	0.42	0.36	0.41	0.40
AWU/100 ha of 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 (%)



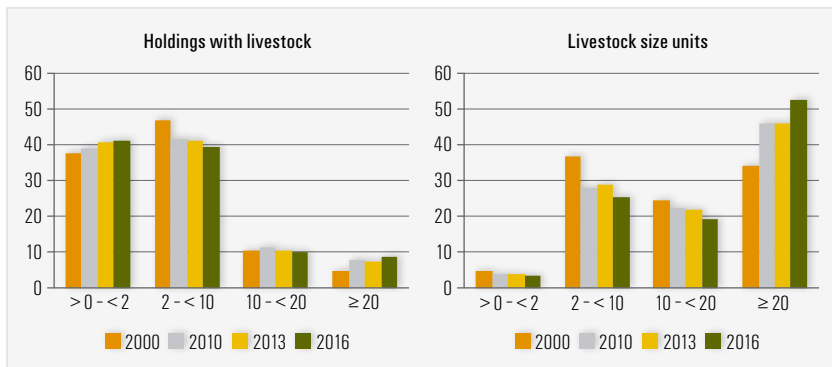
Source: SORS (Agricultural Holdings), calculated by AIS

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 (Farm Structure)

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

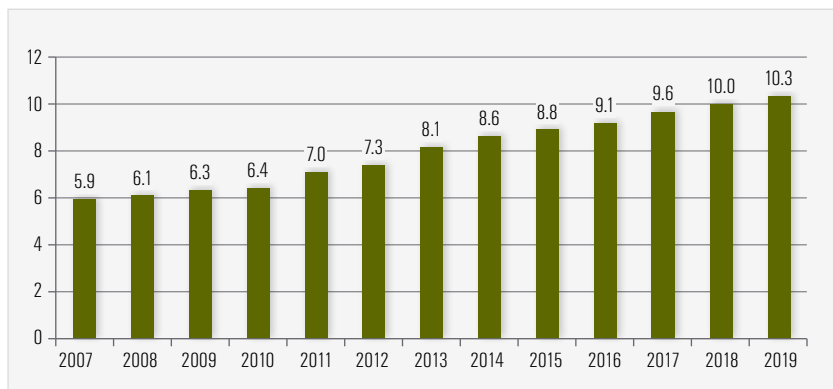
Source: SORS (Farm Structure)

Agriculture and environment

Agricultural holdings and area with organic farming					
	Ø 2007-11	Ø 2012-16	2017	2018	2019
Number of agricultural holdings	2,149	3,193	3,635	3,741	3,828
• with organic farming	1,830	2,501	3,190	3,320	3,494
• in conversion to organic farming	319	692	445	421	334
Utilised agricultural area (ha)	30,277	40,154	46,222	47,848	49,638
• with organic farming	25,601	32,245	40,349	41,669	44,455
• in conversion to organic farming	4,676	7,909	5,874	6,179	5,183
Area with organic farming by land use (ha)					
Arable land	2,979	4,792	5,942	6,270	6,520
of which: vegetables and strawberries	121	236	227	245	308
Orchards	762	1,293	1,870	1,962	2,106
Vineyards	232	436	561	657	706
Olive groves	51	215	243	259	278
Nurseries	-	0.0	-	0.0	0.3
Permanent grassland	26,252	33,417	37,607	38,700	40,028

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 2007-11	Ø 2012-16	2017	2018	2019
Soil cover on arable land by green crops*	62.0	61.9	61.6	62.2	61.7
Share of arable land covered by grasses**	19.6	18.7	18.8	19.8	18.6
Share of legumes in crop rotation***	14.4	15.4	16.5	16.2	15.0
Share of maize in crop rotation	38.1	39.0	38.7	38.8	39.6

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

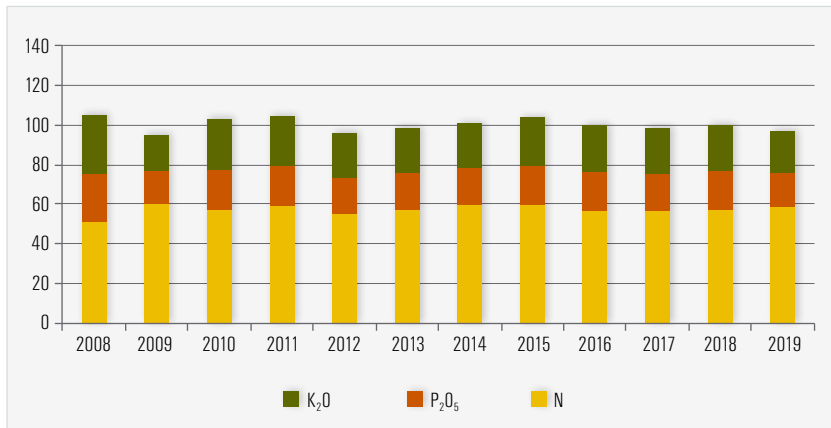
Area of minor agricultural plant species (ha)					
	Ø 2007-11	Ø 2012-16	2017	2018	2019
Spelt	201	504	575	529	395
Buckwheat	998	2,124	3,647	3,475	3,187
Sunflowers	261	273	299	288	334
Millet	226	297	347	454	277
Field peas	993	375	658	434	386
Soya	91	999	2,908	1,756	1,433

Source: SORS (Crop Production), calculated by AIS

Mineral fertiliser use (t)					
	Ø 2007-11	Ø 2012-16	2017	2018	2019
Mineral fertiliser use, total	133,378	132,072	130,524	128,769	138,218
Pure nutrients use, total	50,217	47,661	47,280	47,582	46,295
Nitrogen (N)	27,495	27,518	27,084	27,293	28,048
Phosphorus (P ₂ O ₅)	10,250	9,106	9,133	9,132	8,104
Potassium (K ₂ O)	12,472	11,038	11,063	11,157	10,143

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

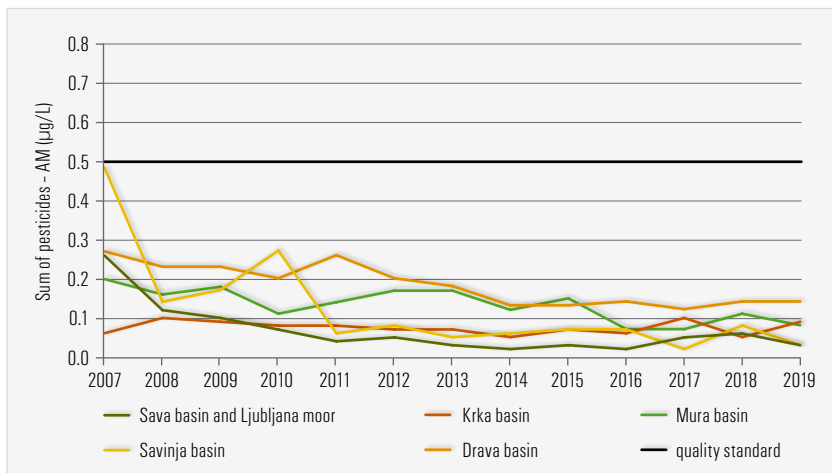
	Ø 2007-11	Ø 2012-16	2017	2018
Gross N surplus (kg/ha utilised agricultural area)	51	52	65	45
Net N surplus (kg/ha utilised agricultural area)	17	19	33	11
P surplus (kg/ha utilised agricultural area)	4	3	5	2
Emissions of greenhouse gases (000 t eq CO ₂)	1,721	1,698	1,721	1,722
Emissions of ammonia (000 t)	17.9	17.5	17.1	17.3

Source: AIS

Pesticide sale (t active substance)					
	Ø 2007-11	Ø 2012-16	2017	2018	2019
Plant protection products, total	1,158	1,029	1,087	1,172	1,000
Fungicides and bactericides	783	738	795	849	752
Herbicides	285	238	235	257	198
Insecticides and acaricides	64	36	50	55	37
Other plant production product	27	17	7	11	14

Source: SORS (AFSVPP), 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, 2019)

Agricultural output

Share of individual products in agricultural output (%)					
	Ø 2007-11	Ø 2012-16	2017	2018	2019
Crop output	52.4	54.2	50.8	58.2	55.5
Cereals	7.3	7.5	6.6	6.3	6.4
of which: Wheat and spelt	2.0	2.3	1.9	1.4	1.7
Industrial crops	2.6	2.3	2.6	2.7	2.8
of which: Oilseeds and oleaginous fruits	1.1	1.3	1.1	0.8	0.8
Forage plants	16.0	16.4	13.6	14.7	15.3
Vegetables and horticultural products	6.5	8.6	10.5	9.3	11.6
of which: Fresh vegetables	4.1	5.7	7.2	6.7	9.3
Potatoes	2.0	1.6	1.7	1.4	1.9
Fruits	6.9	7.0	4.5	8.5	5.0
Grapes	1.5	1.1	1.6	1.5	1.4
Wine	9.2	9.4	9.4	13.1	10.8
Olive oil	0.3	0.3	0.3	0.7	0.4
Animal output	45.8	44.2	47.6	40.4	43.1
Cattle	12.5	12.2	13.3	11.7	11.9
Pigs	6.3	4.1	4.3	3.5	4.2
Poultry	7.8	8.0	8.5	7.2	7.8
Sheep and goats	0.7	0.6	0.8	0.6	0.7
Other animals	0.4	0.4	0.5	0.4	0.4
Milk	14.6	14.8	16.0	13.1	14.2
Eggs	2.5	2.9	3.2	2.7	3.1
Other animal products	1.0	1.3	1.2	1.2	0.8
Agricultural services output	1.8	1.6	1.6	1.3	1.4
AGRICULTURAL OUTPUT	100.0	100.0	100.0	100.0	100.0

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

Gross agricultural output volume change (%; change from previous year)					
	Ø 2007-11	Ø 2012-16	2017	2018	2019
Crop output	1.7	0.0	-17.7	55.7	-13.1
Cereals	5.0	1.0	-13.6	8.6	6.3
Oilseeds and oleaginous fruits	5.2	3.8	-25.4	-2.4	-12.5
Potatoes	0.8	-2.6	-6.0	-9.9	-9.6
Fresh vegetables	-0.9	6.3	-7.4	4.4	18.8
Forage plants	2.2	2.3	-21.8	25.7	0.0
Fruits	-2.5	-7.2	-51.9	376.3	-58.6
Grapes	0.9	-4.8	10.9	17.2	-18.4
Wine	4.9	-4.2	-12.8	64.6	-21.4
Animal output	-0.4	0.2	0.9	0.4	-0.5
Cattle	0.6	0.7	-0.5	2.4	0.8
Pigs	-9.9	-5.6	1.3	0.0	2.1
Poultry	3.5	1.8	7.0	0.7	1.3
Milk	0.1	1.6	-0.3	-2.9	-1.5
Agricultural goods output	0.7	0.1	-9.7	29.0	-7.9
Agricultural services output	-3.4	-3.9	0.0	0.6	-0.5
AGRICULTURAL OUTPUT	0.7	0.0	-9.5	28.5	-7.8

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

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



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

Crop area (ha)					
	Ø 2007-11	Ø 2012-16	2017	2018	2019
Cereals	99,089	99,180	98,461	98,246	98,624
of which: Wheat and spelt	32,720	32,333	28,017	27,823	26,727
Barley	18,811	18,611	20,369	20,994	21,139
Grain maize	39,967	38,697	38,290	37,079	38,883
Rapeseed	4,859	4,324	3,435	3,397	3,245
Pumpkins for oil	4,707	4,447	4,500	3,650	3,284
Hops	1,547	1,302	1,591	1,667	1,616
Potatoes	4,420	3,355	3,165	2,812	2,796
Vegetables	3,794	4,958	5,434	5,252	6,425
Green fodder from arable land	61,588	62,105	62,698	64,762	63,218
of which: Green maize	26,262	28,872	29,194	29,820	30,151
Fodder from permanent grassland	279,775	278,695	279,216	277,172	277,755
Fruits*	9,123	9,961	10,574	10,679	10,765
of which: Intensive orchards	4,067	3,994	4,124	4,212	4,272
of which: Apples	2,794	2,554	2,355	2,328	2,267
Wine grapes	16,192	15,992	15,839	15,630	15,549
Olives	903	1,012	1,243	1,302	1,374

Source: SORS (Crop Production), calculated by AIS

* including strawberries

Crop production (t)					
	Ø 2007-11	Ø 2012-16	2017	2018	2019
Cereals	564,202	588,949	546,994	596,663	641,739
of which: Wheat and spelt	147,519	163,954	140,961	121,900	139,811
Barley	74,998	85,711	97,929	88,057	102,480
Grain maize	318,182	307,900	272,177	350,489	360,357
Rapeseed	13,001	12,784	8,999	7,657	9,452
Pumpkins for oil	3,009	2,785	2,517	2,745	1,973
Hops	2,271	1,876	2,160	3,078	2,572
Potatoes	106,436	82,834	77,075	72,917	65,958
Vegetables	72,912	85,858	96,354	100,574	120,120
Green fodder from arable land	1,392,030	1,439,292	1,355,101	1,673,134	1,631,087
of which: Green maize	1,149,860	1,226,822	1,162,804	1,427,941	1,393,671
Fodder from permanent grassland	1,545,211	1,468,402	1,247,770	1,613,181	1,620,189
Fruits*	142,722	122,403	39,721	192,385	89,023
of which: Intensive orchards	94,284	79,311	24,765	105,425	69,050
of which: Apples	77,958	64,509	13,605	86,587	54,272
Wine grapes	114,211	99,815	89,416	126,958	105,035
Olives	1,896	1,255	1,685	3,958	1,976

Source: SORS (Crop Production), calculated by AIS

* including strawberries

Number of livestock (on December 1 st)					
	Ø 2007-11	Ø 2012-16	2017	2018	2019
Cattle	470,979	472,336	479,614	476,806	483,068
of which: Cows	174,353	168,568	168,727	166,246	165,935
of which: Dairy cows	112,286	109,823	108,825	102,711	100,839
Pigs	426,547	280,579	257,241	259,125	240,138
of which: Breeding sows	29,210	16,470	15,828	14,381	12,908
Sheep and goats	158,641	137,014	133,978	134,542	134,617
of which: Breeding ewes/goats	109,930	93,025	95,970	94,303	93,750

Source: SORS (Animal Production), calculated by AIS

Livestock production (t)					
	Ø 2007-11	Ø 2012-16	2017	2018	2019
Beef & veal (live weight gain)	77,500	77,260	81,200	80,500	82,100
Pigmeat (live weight gain)	62,440	37,380	37,200	37,300	38,100
Poultrymeat (live weight gain)	83,940	84,180	96,200	96,900	98,100
Sheep and goatmeat (live weight gain)	3,903	3,273	3,434	3,536	3,380
Milk	632,186	624,651	649,959	631,222	625,635
of which: Cows milk	630,239	622,873	647,986	628,928	623,016
Eggs (mill. pieces)	353.6	359.8	397.0	413.0	419.9
Honey	1,823	1,449	804	1,746	653

Source: SORS (Animal Production), calculated by AIS

Average yields					
	Ø 2007-11	Ø 2012-16	2017	2018	2019
Wheat and spelt (t/ha)	4.5	5.1	5.0	4.4	5.2
Grain maize (t/ha)	8.0	8.0	7.1	9.5	9.3
Rapeseed (t/ha)	2.7	2.8	2.6	2.3	2.9
Potatoes (t/ha)	24.2	24.7	24.4	25.9	23.6
Dessert apples (t/ha)	27.9	25.3	5.8	37.2	23.9
Cows milk (kg/cow)	5,611	5,674	5,954	6,123	6,178
Eggs (pieces/laying hen)	248	257	225	221	233

Source: SORS (Crop Production, Animal Production), calculated by AIS

Supply balances of agricultural products

Human consumption of selected agricultural products per capita (kg; calendar year)					
	Ø 2007-11	Ø 2012-16	2017	2018	2019
Cereals (without rice)*	87.8	87.4	89.9	91.7	88.8
of which: Wheat	70.8	73.3	74.9	76.8	74.0
Potatoes	73.5	64.4	68.0	66.5	62.0
of which: Fresh potatoes	53.5	44.6	48.7	42.4	40.1
Vegetables	96.7	103.8	114.0	111.4	117.5
of which: Fresh vegetables	72.1	77.2	83.8	81.9	85.2
Fruits	139.3	126.1	121.6	152.5	127.9
of which: Fresh fruits	74.3	75.6	71.7	88.3	75.0
Wine** (l)	38.4	37.5	32.3	37.4	35.8
Meat (with offal)***	93.7	87.6	93.1	92.6	90.8
of which: Beef and veal	20.5	18.9	20.8	19.8	20.1
Pigmeat	41.4	37.5	37.6	37.9	36.5
Poultrymeat	26.9	27.7	31.1	31.2	30.6
Milk, total****	226.1	219.3	209.9	215.5	214.0
Eggs	9.9	10.2	11.5	10.9	11.7

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

* in flour equivalent

** marketing year, provisional data for 2019

*** carcass weight equivalent

**** in raw milk equivalent

Self-sufficiency in selected agricultural products (%; calendar year)					
	Ø 2007-11	Ø 2012-16	2017	2018	2019
Cereals (without rice)	60.3	69.5	63.2	69.1	74.8
Wheat	50.8	55.0	46.2	40.9	47.3
Maize	67.5	79.9	71.6	89.2	95.6
Potatoes (fresh and processed, without starch)	63.3	56.5	49.9	48.4	46.6
Vegetables (fresh and processed)	34.8	37.4	38.5	40.9	43.2
Fruits (fresh and processed)	43.7	40.2	14.5	47.2	29.8
Wine*	100.1	88.7	92.0	112.2	96.3
Meat (with offal)	87.0	79.1	81.5	80.6	81.0
Beef and veal	103.6	106.3	110.5	109.5	102.5
Pigmeat	60.1	38.8	38.0	37.6	40.0
Poultrymeat	112.3	109.6	109.4	109.5	110.5
Milk, total	117.0	122.5	134.3	128.7	127.5
Eggs	94.5	92.4	90.4	95.6	95.1

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

* marketing year, provisional data for 2019

Agricultural prices

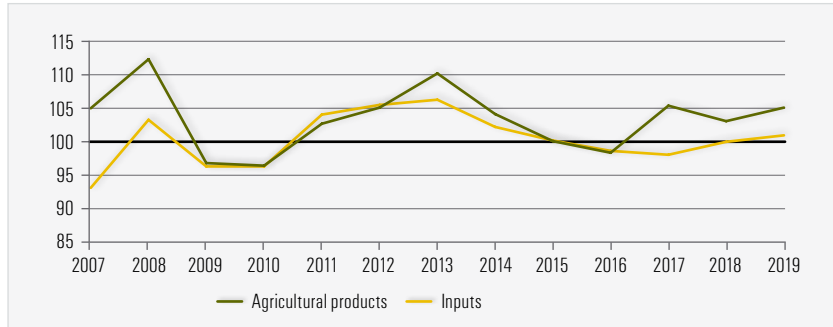
Average producer prices for selected agricultural products (EUR/kg)								
	2012	2013	2014	2015	2016	2017	2018	2019
Wheat (without seed)	0.196	0.181	0.169	0.168	0.134	0.154	0.159	0.163
Grain maize (without seed)	0.200	0.169	0.125	0.132	0.131	0.141	0.147	0.124
Rapeseed	0.450	0.358	0.307	0.364	0.327	0.320	0.306	0.316
Potatoes (without seed)	0.178	0.392	0.210	0.186	0.233	0.232	0.233	0.352
Dessert apples	0.474	0.575	0.410	0.461	0.495	0.629	0.391	0.490
Wine (EUR/l)	2.244	1.912	2.137	2.599	2.672	2.696	2.793	2.849
Bulls (live weight)	1.915	1.850	1.802	1.810	1.759	1.822	1.857	1.828
Pigs for slaughter (live weight)	1.348	1.372	1.317	1.240	1.223	1.322	1.265	1.460
Poultry for slaughter (live weight)	1.097	1.181	1.106	1.076	1.057	0.994	0.997	1.028
Cows milk	0.300	0.321	0.345	0.282	0.250	0.301	0.300	0.321
Eggs for consumption (EUR/egg)	0.105	0.110	0.109	0.106	0.105	0.104	0.105	0.108

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

Agricultural price changes (%; nominal; change from previous year)					
	Ø 2007-11	Ø 2012-16	2017	2018	2019
Agricultural products, total	3.0	-0.1	8.9	-0.6	3.7
Crop products	2.5	1.7	10.8	-1.6	3.1
Animals and livestock products	3.3	-1.1	7.7	0.1	4.1
Agricultural inputs, total	6.0	-0.3	0.8	3.8	2.7
Consumer goods and services	7.1	-1.1	0.3	3.9	2.4
Investment goods and services	3.6	1.5	1.9	3.6	3.2
Terms of trade (agricultural products / inputs)	-2.9	0.2	8.0	-4.2	1.1

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

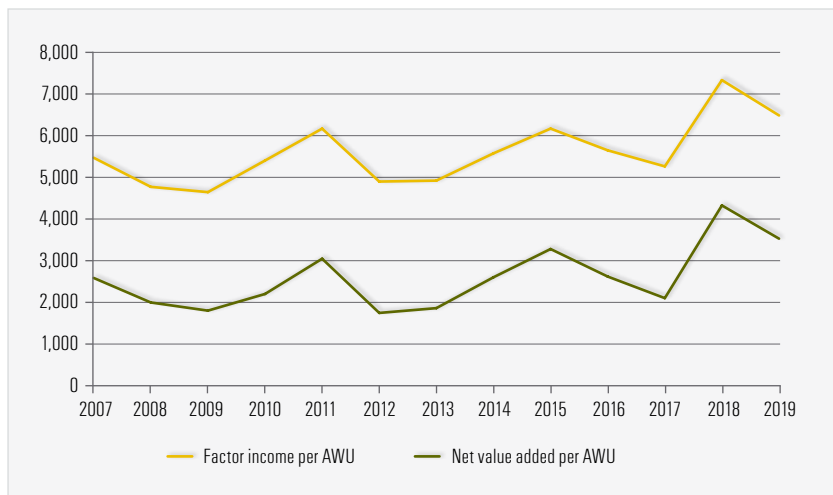
Economic accounts for agriculture

Main aggregates of economic accounts for agriculture at basic prices (mill. EUR)*					
	Ø 2007-11	Ø 2012-16	2017	2018	2019
Total output	1,131.9	1,198.3	1,153.0	1,370.0	1,325.2
Intermediate consumption	719.0	750.0	722.8	750.3	764.1
Gross value added	412.9	448.3	430.2	619.7	561.1
Fixed capital consumption	238.3	254.1	262.1	267.3	269.8
Net value added	174.7	194.2	168.1	352.4	291.3
Other subsidies on production	236.2	247.3	259.9	247.4	248.5
Other taxes on production	12.9	5.4	6.1	5.9	6.4
Factor income	398.0	436.1	422.0	593.9	533.4
Agricultural labour (000 AWU)	80.5	81.3	78.7	78.0	77.3
Factor income per AWU (EUR)	4,957	5,364	5,359	7,612	6,900

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

* current prices

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 2007-11	Ø 2012-16	2017	2018	2019
Market and direct producer support measures	156.8	163.1	166.9	175.0	161.5
Market support	2.8	2.0	1.1	1.3	1.3
Direct payments to producers	127.0	136.3	135.8	135.0	134.3
Variable input subsidies	16.7	21.5	22.9	25.5	25.3
Disaster payments and other compensations to producers	10.2	3.4	7.1	13.2	0.6
Structural and rural developments measures	164.2	152.5	117.1	156.8	172.4
Improving the competitiveness of agriculture and related sectors	57.8	46.9	25.0	59.6	63.4
On farm investment and restructuring support	34.8	28.6	18.8	49.4	49.4
Agricultural infrastructure	4.5	6.2	2.4	2.3	2.2
Producer groups, processing, marketing and promotion	18.5	12.1	3.8	8.0	11.9
Providing ecosystem services	90.0	83.2	87.7	86.7	92.3
Payments to farmers in areas with natural constraints	49.0	45.3	44.4	41.1	45.4
Agri-environmental-climate payments	34.9	28.9	28.9	30.0	30.6
Organic farming payment	6.1	8.5	8.7	9.1	9.6
Animal welfare payments to farmers	0.0	0.5	5.7	6.5	6.7
Supporting rural economy and population	16.4	22.4	4.4	10.5	16.8
General measures related to agriculture	43.1	37.3	40.1	40.5	42.7
Research, development, advisory and expert services	23.8	18.9	19.9	20.6	21.6
Food safety and quality control	16.1	12.9	15.8	15.5	16.2
Other general support	3.2	5.5	4.4	4.5	4.9
TOTAL BUDGETARY SUPPORT TO AGRICULTURE	364.1	353.0	324.0	372.3	376.7

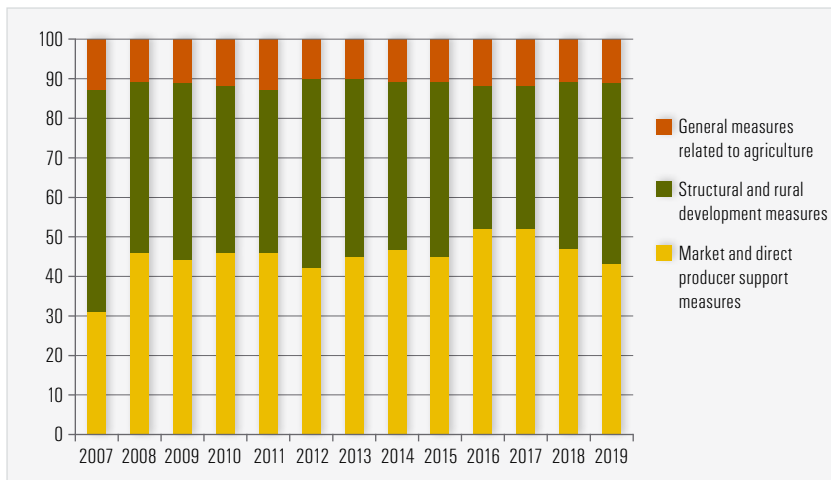
Source: MAFF, AKTRP, calculated by AIS

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

	Ø 2007-11	Ø 2012-16	2017	2018	2019
Market and direct producer support measures	48	81	83	78	84
Structural and rural developments measures	75	77	75	75	75
General measures related to agriculture	6	9	12	12	13
TOTAL BUDGETARY SUPPORT TO AGRICULTURE	55	72	71	69	72

Source: MAFF, AKTRP, calculated by AIS

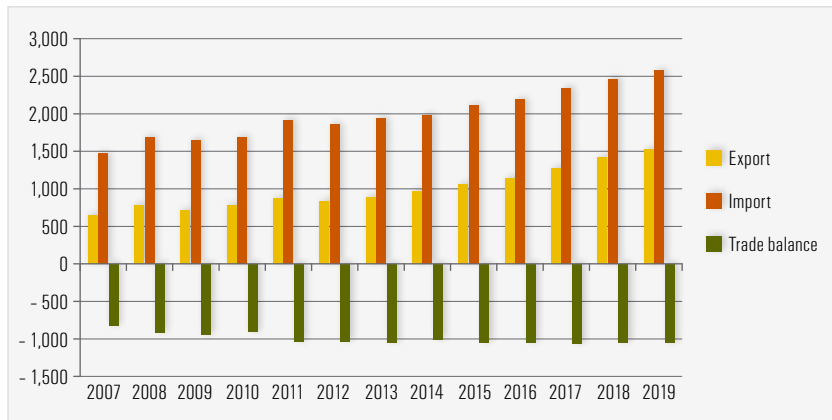
Breakdown of budgetary support to agriculture by main group of measures (%; calendar year)



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

Composition of agri-food trade by main commodity groups (%)*					
	Ø 2007–11	Ø 2012–16	2017	2018	2019
Export (mill. EUR)	758	976	1,270	1,415	1,514
Miscellaneous edible preparations (CN 21) (%)	8.8	11.2	15.1	15.6	15.9
Meat and meat preparations (CN 02 and CN 16) (%)	15.2	15.5	15.4	15.4	15.4
Dairy produce, eggs, natural honey (CN 04) (%)	15.3	14.4	13.7	12.4	11.7
Beverages, spirits and vinegar (CN 22) (%)	9.8	10.6	8.8	8.8	9.3
Residues, waste from the food industries, fodder (CN 23) (%)	14.4	10.6	8.3	10.9	8.6
Edible fruits and vegetables (CN 08 and CN 07) (%)	7.4	6.9	7.7	7.2	8.1
Other (%)	29.1	30.7	31.1	29.7	31.1
Import (mill. EUR)	1,400	1,681	2,332	2,453	2,562
Edible fruits and vegetables (CN 08 and CN 07) (%)	13.9	13.5	14.8	13.8	14.3
Meat and meat preparations (CN 02 and CN 16) (%)	12.1	13.4	13.0	13.1	13.2
Residues, waste from the food industries, fodder (CN 23) (%)	9.5	9.5	9.9	10.2	9.1
Miscellaneous edible preparations (CN 21) (%)	7.1	7.4	7.6	7.9	7.8
Preparations of cereals, flour or starch (CN 19) (%)	6.3	7.0	7.2	7.0	7.2
Dairy produce, eggs, natural honey (CN 04) (%)	6.6	7.4	7.5	7.4	7.0
Beverages, spirits and vinegar (CN 22) (%)	5.8	6.2	6.4	6.6	6.8
Other (%)	38.7	35.6	33.6	34.1	34.7

Source: SORS (External Trade), calculated by AIS

* commodity groups 01–24 of Combined Nomenclature (CN) of European Union

Composition of agri-food trade by main trading partners (%)*					
	Ø 2007-11	Ø 2012-16	2017	2018	2019
Export (mill. EUR)	758	976	1,270	1,415	1,514
Croatia (%)	10.1	16.0	20.8	21.1	22.2
Italy (%)	30.6	24.1	20.7	20.6	19.1
Austria (%)	9.8	9.8	10.1	9.5	9.1
Bosnia-Herzegovina (%)	8.7	7.0	5.9	5.6	5.7
Germany (%)	3.7	4.1	4.5	4.8	5.6
Hungary (%)	7.4	6.7	4.5	4.3	4.4
Other (%)	29.7	32.4	33.4	34.1	34.0
Import (mill. EUR)	1,400	1,681	2,332	2,453	2,562
Italy (%)	17.2	16.2	15.3	14.9	15.0
Austria (%)	19.1	16.0	13.9	13.4	13.2
Croatia (%)	5.6	8.7	13.1	13.5	13.1
Germany (%)	12.0	14.6	12.5	12.6	12.5
Hungary (%)	8.2	8.1	6.5	6.6	6.7
Brazil (%)	4.3	5.6	6.4	6.5	5.2
Other (%)	33.6	30.8	32.2	32.6	34.5

Source: SORS (External Trade), calculated by AIS

* commodity groups 01–24 of Combined Nomenclature (CN) of European Union

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