



Slovenian Agriculture in Numbers

2021

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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 2021. Main data sources are:

- **Statistical Office of the Republic of Slovenia** (SORS), data from the data portal SI-STAT (theme Agriculture, forestry and fishery ; field Agriculture and fisheries; <https://pxweb.stat.si/SiStat/en/Podrocja/Index/85/agriculture-forestry-and-fishery>),
- **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 2020, agriculture, together with 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 latest temporary data from **Farm Structure Survey (2020)**, the downward trend in the number of agricultural holdings continues, while the utilized agricultural area (UAA) also decreased slightly. The average agricultural holding cultivates 7.1 ha of UAA, a quarter more than in 2000. The improvement in the size structure continues as the number of agricultural holdings that cultivated more than 20 ha of UAA has more than doubled compared to 2000. These agricultural holdings now cultivate more than one-third of the total UAA, an increase of 17 percentage points from 2000. Livestock holdings raise an average of 9.1 livestock units (LSU) in 2020, which is 3 LSU more than in 2000. The size structure of livestock holdings has also improved compared to 2000. The number of livestock holdings with more than 20 LSU has increased by 27% between 2000 and 2020, and these livestock holdings raise 56% of all LSU (22 percentage points more than in 2000).

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 2020 to approx. 52 thousand ha (10.8% of all UAA), with permanent grassland predominating in the structure (80%).

In terms of agricultural production, the year 2020 was favorable compared to the previous year. The **agricultural production volume** increased by 9%, with crop volume increased by almost 15% and livestock production by 1%.

For most arable crops and grassland forage, the 2020 harvest was above average, and yields of most fruit species were also better. Most agricultural crop groups recorded significantly higher total yields than in 2019, while total yields of rapeseed, sugar beet, dry legumes, oats, rye and peaches were lower than last year. Fruit production increased by 27% and grape production remained on average close to the level of the previous year. Compared to 2019, agricultural land use on agricultural holdings increased only slightly (+0.8%), especially the area of permanent crops (+2.3%), while the area of meadows and pastures and fields remained almost at the same level as the previous year.

In 2020, an increase in livestock production was recorded only in broilers production and sheep and goat meat production. A decrease was recorded in cattle meat and pig meat production, the latter due to a further decrease in the number of animals. More cow's milk was produced in 2020 than in the previous year, while goat's milk and egg production were lower. In honey production, conditions for the honey harvest were more favorable in 2020 than in 2019, but despite a doubling of yield compared to 2019, the honey harvest was still below the long-term average.

Domestic consumption increased markedly in year 2020 in rice, and among animal products in honey. The highest consumption ever was recorded in vegetables and poultry meat. The consumption of meat on the aggregated level decreased, which is a result of lower consumption of pig meat and cattle meat. Notable decreases in consumption were recorded in rye, maize, and eggs, while consumption in wheat decreased only slightly. Milk consumption declined slightly in 2020 again 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 higher in 2020 than in the previous year in cereals, potatoes, vegetables, fruit, meat, milk and honey, while they remained at the same level as the previous year for eggs. Similar to previous years, domestic production of milk (self-sufficiency rate 134%), cattle meat (107%), and poultry meat (111%) was higher than domestic consumption, and for the first time, maize self-sufficiency exceeded 100 percent (116%) due to a record harvest.

In 2020, **producer prices of agricultural products** decreased slightly at the aggregate level. Compared to 2019, they decreased by 2.0% (-2.0% in real terms; average deflation was -0.1%). Price levels for animal products decreased, while price levels for crop products increased slightly.

Prices of crop products at the aggregate level increased by 1.1% in 2020 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 fruits, oilseeds and industrial crops. Compared to the previous year, the price decrease was recorded for grapes, potatoes, vegetables and cereals. In livestock production, average producer prices at aggregate level decreased by 4.0%. The largest decreases were recorded in the prices of cattle, poultry and cow's milk, while the prices of pigs fell slightly. Only the prices for lamb and for eggs recorded a slight increase.

In 2020, besides the decrease in agricultural producer prices, **prices for agricultural inputs** also decreased (-1.4%). The most significant decreases were in the prices of energy and mineral fertilizers. The decrease in prices of other inputs was not so intense. As the decrease in the prices of agricultural products was higher than the decrease in the prices of agricultural inputs, the terms of trade were less favorable compare with the previous year, but remained at the level of the average of recent years.

The **economic results of agriculture** at the aggregate level improved in the pandemic year 2020 compared to a relatively normal previous year. In real terms, net value added increased by around 11% and factor income increased by around 5% compared to the previous year. With the same value of total output (around 1.4 billion EUR) and at the same time lower intermediate consumption, the factor income was around 571 million EUR or almost 7,500 EUR per annual working unit. The increase in income was mainly due to the larger physical volume of crop production, a slight increase in livestock production, and lower intermediate consumption, despite lower prices of all main products and product groups.

In 2020, the implementation of **direct payments** scheme 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 also for production coupled payments for small grain cereals, vegetables, cattle and milk production in mountain areas. The national envelope for direct payments remain the same as in 2019 and amounted to 134.3 million EUR.

The implementation of the measures defined in the **RDPA for the period 2014–2020** also continued. By the end of 2020 approximately 977 million EUR had been granted for measures and technical assistance (88% of the program's available resources; 1,107 million EUR) of which 775 million (70%) had been already paid out. Most of the payments (66%) 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, 17 public tenders were published in 2020.

The Covid-19 epidemic has also affected agriculture and the sectors most affected have received financial assistance. The following sectors were able to receive financial compensation: wine production, beef production, pig production, sheep and goat breeding, and supplementary activities on the farm. These financial aids totaled EUR 15.5 million.

Total **budget support to agriculture** in 2020 amounted to 391.1 million EUR, which is slightly more than the previous year. The share of co-financing from the EU budget was 68%.

According to the structure of budget support, most funds were allocated to market and direct support measures (46%; EUR 178.4 million), followed by funding structural and rural development measures (43%; EUR 168.9 million). The share earmarked for the financing of general agricultural services remained relatively low (11%; EUR 43.9 million).

Under market and direct support measures, payments increased by 10% compared to 2019, as measures were implemented to help mitigate the impact of income losses in agriculture due to the covid-19 epidemic. Compensation was paid to wine producers and cattle, pig, sheep and goat farmers. Larger funds were allocated to agricultural holdings to help mitigate the consequences of natural disasters (hailstorms in 2019). Under rural development and structural policy measures, payments decreased slightly (-2%) compared to 2019. Within this group, more than half of the funding (55%) is aimed for environmental measures. The funds for general agricultural services increased slightly (by 3%) compared to 2019, mainly in the group of measures for research, development, extension, and professional services.

The total **trade in agri-food goods** remained at the same level as the previous year, with the export increasing by 3.1% and import decreasing by 1.1%. Further, the coverage of imports by exports increased to 61.6% (in 2019: 59.1%), which resulted in slightly decreased trade deficit.

Slovenia remains net value importer for most agri-food products. Trade surpluses (in value) occurred in groups miscellaneous edible preparations, meat preparations, live animals, oilseeds and oleaginous fruits, lac, gums and vegetable extracts and dairy products (eggs and honey are also included in the group). The positive trade balance in groups of live animals and lac, gums and vegetable extracts improved compared to 2019, while trade surplus decreased in other groups. A larger deficit as in the year before was recorded in fruits, while the deficit in meat, vegetables, cereals, sugar and animal feeds decreased. Most of the agri-food trade was created with the EU member states, where exports to EU member states accounted for 76% of total exports and imports from EU member states accounted for 83% of total imports. As in previous years, the countries of the former Yugoslavia represent important trade partners (13% of total exports, 3% of total imports).

Key general statistics for Slovenian agriculture

	Ø 2008-12	Ø 2013-17	2018	2019	2020
Agriculture in economy					
Gross value added of agricultural sector (mill. EUR)*	709.2	775.2	1028.9	970.7	940.9
• Share in total value added (%)	2.2	2.3	2.6	2.3	2.3
Employment in the agriculture (000)*	80.0	75.2	73.2	72.8	71.5
• Share in total employment (%)	8.3	7.9	7.2	7.0	6.9
Exports of agri-food products (mill. EUR)**	794.0	1,064.7	1,415.5	1,514.2	1,560.9
• Share in total export of goods (%)	4.1	4.4	4.6	4.5	4.7
Imports of agri-food products (mill. EUR)**	1,753	2,102	2,453	2,562	2,534
• Share in total import of goods (%)	8.4	8.8	8.0	7.5	7.9
Trade balance with agri-food products (mill. EUR)**	-959	-1,037	-1,037	-1,048	-974
Agricultural land use***					
Utilised agricultural area (ha)	476,284	479,411	477,296	479,822	483,863
Arable land (%)	36.4	36.2	36.1	36.3	36.4
Permanent crops (%)	5.6	5.7	5.8	5.8	5.9
Permanent grassland (%)	58.1	58.1	58.1	57.9	57.7
Share of utilised agricultural area in total area (%)	23.5	23.6	23.5	23.7	23.9
Utilised agricultural area per inhabitant (ha)	0.23	0.23	0.23	0.23	0.23

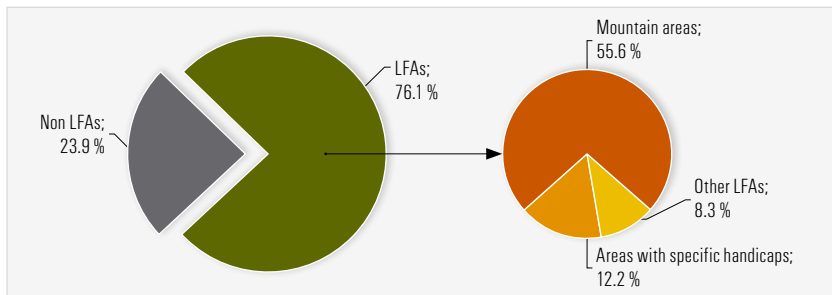
Source: SORS (National Accounts, External Trade, Crop Production), calculated by AIS

* agriculture, forestry, hunting and fisheries; 2020: provisional data

** commodity groups 01-24 of Combined Nomenclature (CN) of European Union; 2020: provisional data

*** annual statistics of crop production

Share of utilised agricultural area in less favoured areas (LFAs); 2020



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

Structure of agricultural holdings

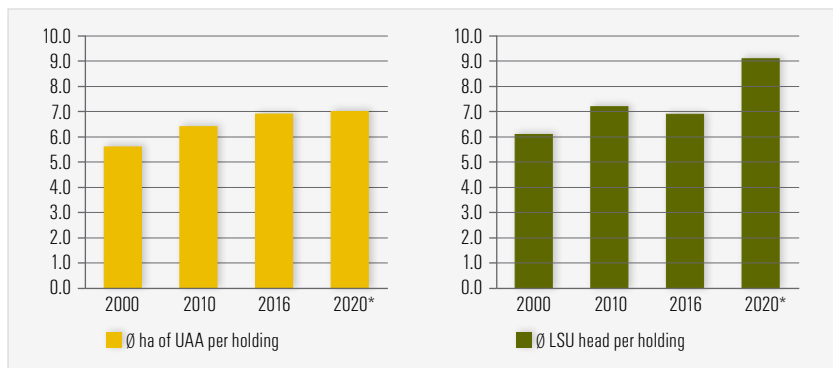
Agricultural holdings by land use and number of livestock								
	Number of holdings				Ø ha, heads/holding			
	2000	2010	2016	2020*	2000	2010	2016	2020*
Land use on agricultural holdings								
Holdings, total	86,467	74,646	69,902	67,927	5.6	6.4	6.9	7.0
Holdings with arable land	80,858	63,272	66,675	57,561	2.1	2.7	2.6	3.1
Gospodarstva s trajnimi nasadi	58,050	39,400	36,560	33,321	0.5	0.7	0.7	0.8
Holdings with permanent grassland**	74,230	61,949	60,401	58,812	3.8	4.5	4.6	4.6
Livestock on agricultural holdings								
Holdings with livestock (LSU)	77,452	58,648	57,749	44,974	6.1	7.2	6.9	9.1
Holdings with cattle	56,097	36,119	34,087	28,485	8.9	13.1	13.6	16.7
Holdings with pigs	44,623	26,441	23,700	12,198	13.5	14.4	12.1	19.3
Holdings with poultry	58,929	36,240	36,657	27,015	114.2	135.2	132.5	260.7
Holdings with sheep	4,330	6,181	6,243	5,016	22.2	22.3	20.9	22.8
Holdings with goats	4,775	4,214	4,022	3,374	6.2	8.3	8.6	8.1

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

* provisional data

** common grassland is not included

Average household (number of UAA hectares and number of LSU)



Source: SORS (Agricultural Holdings), calculated by AIS

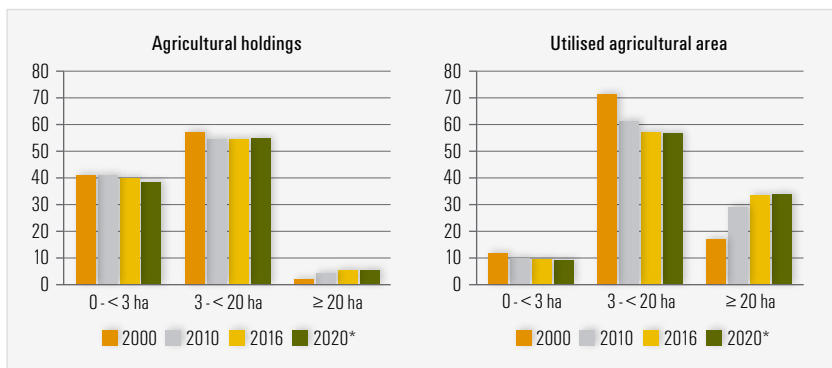
* provisional data

Agricultural holdings and utilised agricultural area by size classes of UAA								
	Number of holdings				UAA (ha)			
	2000	2010	2016	2020*	2000	2010	2016	2020*
0 - < 3 ha	35,254	30,603	27,985	26,093	56,636	47,035	45,427	42,742
3 - < 20 ha	49,353	40,564	37,947	37,219	347,216	290,460	273,470	270,024
≥ 20 ha	1,816	3,288	3,888	3,805	82,026	136,939	160,692	161,430
Total	86,467	74,646	69,902	67,927	485,879	474,432	479,589	474,196

Source: SORS (Agricultural Holdings), calculated by AIS

* provisional data

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



Source: SORS (Agricultural Holdings), calculated by AIS

* provisional data

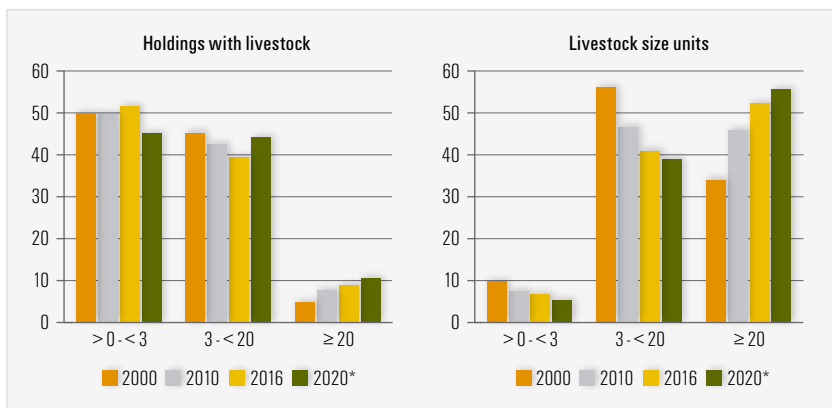
Agricultural holdings with livestock and number of livestock size units by size classes of LSU

	Number of holdings				Number of LSU			
	2000	2010	2016	2020*	2000	2010	2016	2020*
0-<3	38,664	29,138	28,762	20,334	46,170	31,233	28,038	21,832
>3-<20	35,091	24,971	22,004	19,928	263,831	196,311	171,700	159,042
>=20	3,697	4,539	5,016	4,712	160,497	194,008	218,947	227,809
Total	77,452	58,648	55,782	44,974	470,498	421,553	418,684	408,683

Source: SORS (Agricultural Holdings), calculated by AIS

* provisional data

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



Source: SORS (Agricultural Holdings), calculated by AIS

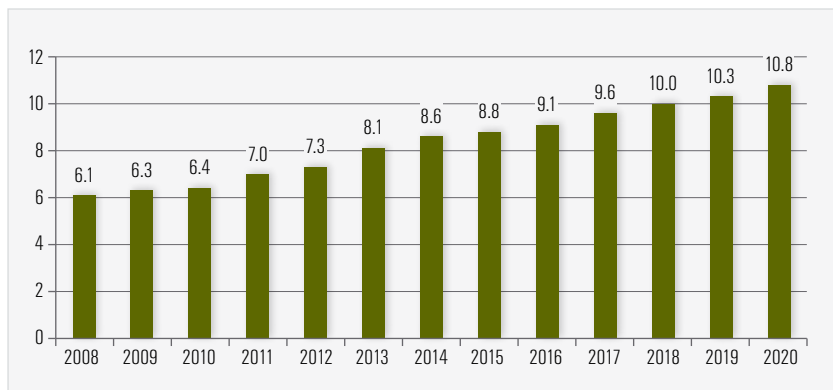
* provisional data

Agriculture and environment

Agricultural holdings and area with organic farming					
	Ø 2008-12	Ø 2013-17	2018	2019	2020
Number of agricultural holdings	2,285	3,383	3,741	3,828	3,689
• with organic farming	1,928	2,718	3,320	3,494	3,358
• in conversion to organic farming	357	665	421	334	331
Utilised agricultural area (ha)	31,433	42,378	47,848	49,638	52,078
• with organic farming	26,650	34,553	41,669	44,455	45,787
• in conversion to organic farming	4,782	7,825	6,179	5,183	6,291
Area with organic farming by land use (ha)					
Arable land	3,206	5,223	6,270	6,520	6,895
of which: vegetables and strawberries	136	244	245	308	319
Orchards	826	1,470	1,962	2,106	2,232
Vineyards	260	483	657	706	766
Olive groves	84	226	259	278	281
Nurseries	-	-	0.0	0.3	0.6
Permanent grassland	27,055	34,975	38,700	40,028	41,903

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 2008-12	Ø 2013-17	2018	2019	2020
Soil cover on arable land by green crops*	62.3	61.8	62.2	61.7	61.9
Share of arable land covered by grasses**	20.0	18.6	19.8	18.6	19.7
Share of legumes in crop rotation***	14.9	15.7	16.2	15.0	15.0
Share of maize in crop rotation	38.1	39.0	38.8	39.6	40.0

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 2008-12	Ø 2013-17	2018	2019	2020*
Spelt	223	561	529	395	520
Buckwheat	1,172	2,518	3,475	3,187	4,180
Sunflowers	285	259	288	334	358
Millet	197	327	454	277	340
Field peas	673	432	434	386	336
Soya	94	1,552	1,756	1,433	1,639

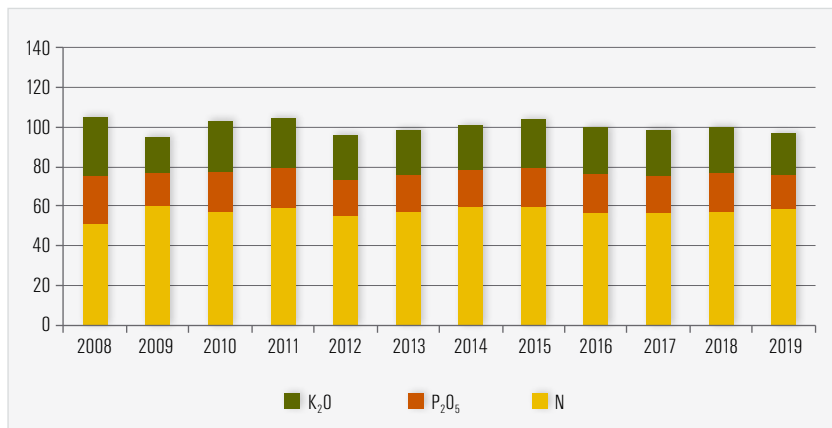
Source: SORS (Crop Production), calculated by AIS

* provisional data

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

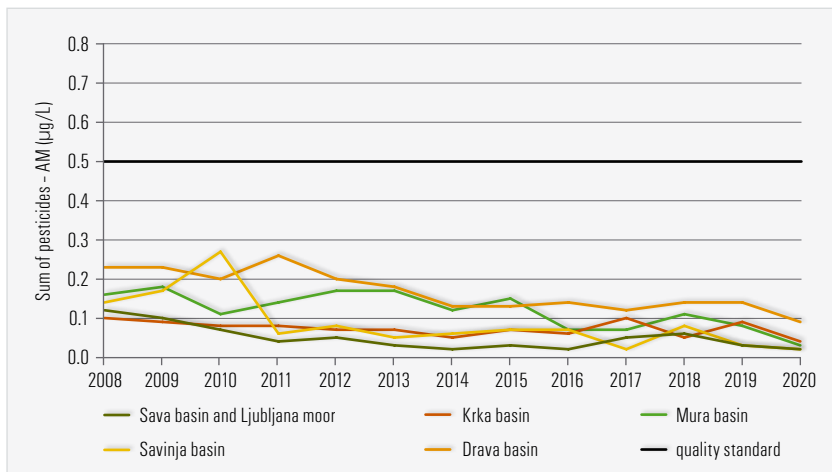
	Ø 2008-12	Ø 2013-17	2018	2019
Gross N surplus (kg/ha utilised agricultural area)	50	52	43	43
Net N surplus (kg/ha utilised agricultural area)	16	20	11	11
P surplus (kg/ha utilised agricultural area)	4	3	2	1
Emissions of greenhouse gases (000 t eq CO ₂)	1,675	1,690	1,701	1,718
Emissions of ammonia (000 t)	17.2	16.8	16.9	16.6

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, 2021)

Agricultural output

	Share of individual products in agricultural output (%)				
	Ø 2008-12	Ø 2013-17	2018	2019	2020*
Crop output	52.3	54.0	58.2	55.5	57.5
Cereals	7.5	6.9	6.3	6.4	7.1
of which: Wheat and spelt	2.3	2.0	1.4	1.7	1.7
of which: Grain maize	3.8	3.3	3.6	3.2	3.7
Industrial crops	2.5	2.4	2.7	2.8	2.9
of which: Oilseeds and oleaginous fruits	1.2	1.2	0.8	0.8	1.0
Forage plants	16.2	15.8	14.7	15.3	14.6
Vegetables and horticultural products	6.8	9.3	9.3	11.6	11.8
of which: Fresh vegetables	4.3	6.2	6.7	9.3	9.7
Potatoes	1.7	1.7	1.4	1.9	2.1
Fruits	6.7	6.8	8.5	5.0	8.7
Grapes	1.4	1.2	1.5	1.4	1.1
Wine	9.1	9.6	13.1	10.8	8.6
Olive oil	0.32	0.30	0.72	0.38	0.50
Animal output	45.9	44.4	40.4	43.1	41.1
Cattle	12.7	12.3	11.7	11.9	11.1
Pigs	5.8	3.9	3.5	4.2	4.0
Poultry	8.0	8.0	7.2	7.8	7.5
Sheep and goats	0.7	0.6	0.6	0.7	0.7
Other animals	0.4	0.4	0.4	0.4	0.4
Milk	14.7	14.9	13.1	14.2	13.7
Eggs	2.6	3.0	2.7	3.1	3.1
Other animal products	1.1	1.3	1.2	0.8	0.7
Agricultural services output	1.8	1.6	1.3	1.4	1.4
AGRICULTURAL OUTPUT	100.0	100.0	100.0	100.0	100.0

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

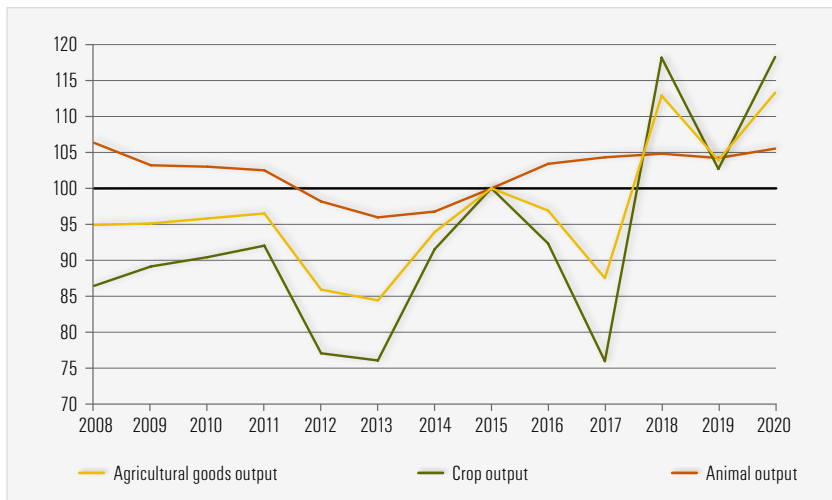
* provisional data

Gross agricultural output volume change (%; change from previous year)					
	Ø 2008-12	Ø 2013-17	2018	2019	2020*
Crop output	-2.6	-0.3	55.7	-13.1	15.1
Cereals	2.3	-1.0	8.6	6.3	16.1
Oilseeds and oleaginous fruits	0.0	1.9	-2.4	-12.5	20.0
Potatoes	-7.8	0.3	-9.9	-9.6	31.5
Fresh vegetables	0.9	6.7	4.4	18.8	11.9
Forage plants	-3.0	0.2	25.7	0.0	3.1
Fruits	-8.3	-13.7	376.3	-58.6	97.6
Grapes	-8.0	0.9	17.2	-18.4	1.2
Wine	-3.1	-1.1	64.6	-21.4	1.0
Animal output	-2.0	1.2	0.4	-0.5	1.2
Cattle	-0.9	1.3	2.4	0.8	0.5
Pigs	-11.5	-2.3	0.0	2.1	-0.3
Poultry	0.2	2.8	0.7	1.3	2.8
Milk	-0.1	1.0	-2.9	-1.5	1.9
Eggs	0.0	5.1	0.5	8.0	0.3
Agricultural goods output	-2.4	0.4	29.0	-7.9	9.0
Agricultural services output	-0.4	-3.9	0.6	-0.5	0.1
AGRICULTURAL OUTPUT	-2.3	0.3	28.5	-7.8	8.9

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 2008-12	Ø 2013-17	2018	2019	2020*
Cereals	99,180	98,925	98,246	98,624	101,277
of which: Wheat and spelt	33,229	31,019	27,823	26,727	27,281
Barley	18,698	19,092	20,994	21,139	22,212
Grain maize	39,619	38,522	37,079	38,883	39,836
Rapeseed	4,816	3,983	3,397	3,245	3,320
Pumpkins for oil	4,822	4,445	3,650	3,284	4,169
Hops	1,464	1,389	1,667	1,616	1,489
Potatoes	3,950	3,311	2,812	2,796	2,942
Vegetables	3,958	5,171	5,252	6,425	7,116
Green fodder from arable land	62,039	62,352	64,762	63,218	65,956
of which: Green maize	26,389	29,223	29,820	30,151	30,588
Fodder from permanent grassland	276,550	278,306	277,172	277,755	279,298
Fruits**	9,177	10,215	10,679	10,765	11,755
of which: Intensive orchards	4,043	4,017	4,212	4,272	4,367
of which: Apples	2,759	2,485	2,328	2,267	2,184
Wine grapes	16,245	15,890	15,630	15,549	15,265
Olives	899	1,083	1,302	1,374	1,417

Source: SORS (Crop Production), calculated by AIS

* provisional data

** including strawberries

Crop production (t)					
	Ø 2008-12	Ø 2013-17	2018	2019	2020*
Cereals	573,106	583,066	596,663	641,739	749,230
of which: Wheat and spelt	158,465	154,533	121,900	139,811	158,131
Barley	78,363	88,352	88,057	102,480	122,214
Grain maize	312,001	306,863	350,489	360,357	429,925
Rapeseed	13,391	11,246	7,657	9,452	8,543
Pumpkins for oil	2,954	2,780	2,745	1,973	2,775
Hops	2,108	2,040	3,078	2,572	2,723
Potatoes	96,077	82,398	72,917	65,958	89,078
Vegetables	74,019	90,977	100,574	120,120	137,226
Green fodder from arable land	1,373,878	1,461,291	1,673,134	1,631,087	1,780,215
of which: Green maize	1,137,087	1,247,923	1,427,941	1,393,671	1,523,211
Fodder from permanent grassland	1,496,839	1,461,324	1,613,181	1,620,189	1,713,033
Fruits**	131,755	110,830	192,385	89,023	112,949
of which: Intensive orchards	87,175	70,624	105,425	69,050	83,160
of which: Apples	71,631	56,161	86,587	54,272	66,668
Wine grapes	108,167	99,234	126,958	105,035	103,637
Olives	1,723	1,444	3,958	1,976	3,098

Source: SORS (Crop Production), calculated by AIS

* provisional data

** including strawberries

Number of livestock (on December 1 st)					
	Ø 2008-12	Ø 2013-17	2018	2019	2020
Cattle	467,075	476,247	476,806	483,068	485,608
of which: Cows	172,331	168,808	166,246	165,935	166,949
of which: Dairy cows	111,212	109,383	102,711	100,839	99,213
Pigs	377,248	272,808	259,125	240,138	229,483
of which: Breeding sows	25,312	16,122	14,381	12,908	11,707
Sheep and goats	154,860	135,709	134,542	134,617	139,414
of which: Breeding ewes/goats	106,790	93,399	94,303	93,750	95,652

Source: SORS (Animal Production), calculated by AIS

Livestock production (t)					
	Ø 2008-12	Ø 2013-17	2018	2019	2020
Beef and veal (live weight gain)	77,480	77,960	80,500	82,100	80,000
Pigmeat (live weight gain)	55,360	36,360	37,300	38,100	34,500
Poultrymeat (live weight gain)	84,160	86,680	96,900	98,100	102,200
Sheep and goatmeat (live weight gain)	3,709	3,318	3,536	3,380	3,592
Milk	623,047	630,122	631,222	625,636	637,377
of which: Cows milk	621,133	628,282	628,928	623,016	634,826
Eggs (mill. pieces)	353.6	374.6	413.0	419.9	391.0
Honey	1,733	1,404	1,746	653	1,293

Source: SORS (Animal Production), calculated by AIS

Average yields					
	Ø 2008-12	Ø 2013-17	2018	2019	2020
Wheat and spelt (t/ha)	4.8	5.0	4.4	5.2	5.8
Grain maize (t/ha)	7.9	8.0	9.5	9.3	10.8
Rapeseed (t/ha)	2.8	2.7	2.3	2.9	2.6
Potatoes (t/ha)	24.4	24.9	25.9	23.6	30.3
Dessert apples (t/ha)	26.0	22.3	37.2	23.9	30.5
Cows milk (kg/cow)*	5,584	5,746	6,123	6,178	6,356
Eggs (pieces/laying hen)*	256	246	221	233	253

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

* 2020: provisional data

Supply balances of agricultural products

Human consumption of selected agricultural products per capita (kg; calendar year)					
	Ø 2008-12	Ø 2013-17	2018	2019	2020*
Cereals (without rice)**	86.5	88.3	91.7	88.8	85.9
of which: Wheat	70.4	74.2	76.8	74.0	72.8
Potatoes	69.9	65.3	66.5	62.0	63.6
of which: Fresh potatoes	49.8	45.8	42.4	40.1	44.2
Vegetables	97.7	107.5	111.4	117.5	119.2
of which: Fresh vegetables	73.1	79.9	81.9	85.2	90.6
Fruits	135.5	127.8	152.5	127.9	129.4
of which: Fresh fruits	73.8	76.3	88.3	75.0	84.0
Wine (l, marketing year)	37.9	36.5	37.4	35.8	:
Meat (with offal)***	92.4	88.6	92.6	90.8	87.9
of which: Beef and veal	20.1	19.3	19.8	20.1	19.6
Pigmeat	40.5	37.5	37.9	36.5	32.7
Poultrymeat	27.3	28.3	31.2	30.6	31.5
Milk, total****	226.5	216.1	215.5	214.0	208.0
Eggs	9.9	10.7	10.9	11.7	10.4

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

* provisional data

** in flour equivalent

*** carcass weight equivalent

**** in raw milk equivalent

Self-sufficiency in selected agricultural products (%; calendar year)					
	Ø 2008-12	Ø 2013-17	2018	2019	2020*
Cereals (without rice)	63.6	68.1	69.1	74.8	89.3
Wheat	54.4	51.3	40.9	47.3	57.4
Maize	70.2	79.9	89.2	95.6	116.0
Potatoes (fresh and processed, without starch)	60.2	55.5	48.4	46.6	59.6
Vegetables (fresh and processed)	34.8	38.3	40.9	43.2	48.3
Fruits (fresh and processed)	41.3	35.6	47.2	29.8	36.0
Wine (marketing year)	95.7	90.5	112.2	96.3	:
Meat (with offal)	85.2	78.7	80.6	81.0	83.5
Beef and veal	105.7	106.1	109.5	102.5	107.4
Pigmeat	54.7	37.1	37.6	40.0	39.9
Poultrymeat	111.4	109.6	109.5	110.5	110.9
Milk, total	116.4	125.9	128.7	127.5	134.0
Eggs	93.9	92.0	95.6	95.1	94.8

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

* provisional data

Agricultural prices

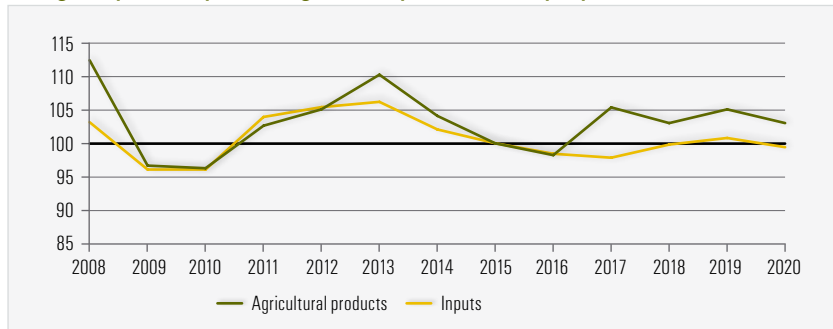
Average producer prices for selected agricultural products (EUR/kg)								
	2013	2014	2015	2016	2017	2018	2019	2020
Wheat (without seed)	0.181	0.169	0.168	0.134	0.154	0.159	0.163	0.148
Grain maize (without seed)	0.169	0.125	0.132	0.131	0.141	0.147	0.124	0.125
Rapeseed	0.358	0.307	0.364	0.327	0.320	0.306	0.316	0.323
Potatoes (without seed)	0.392	0.210	0.186	0.233	0.232	0.233	0.352	0.287
Dessert apples	0.575	0.410	0.461	0.495	0.629	0.391	0.490	0.561
Wine (EUR/l)	1.912	2.137	2.599	2.672	2.696	2.793	2.849	2.788
Bulls (live weight)	1.850	1.802	1.810	1.759	1.822	1.857	1.828	1.737
Pigs for slaughter (live weight)	1.372	1.317	1.240	1.223	1.322	1.265	1.460	1.431
Poultry for slaughter (live weight)	1.181	1.106	1.076	1.057	0.994	0.997	1.028	0.972
Cows milk	0.321	0.345	0.282	0.250	0.301	0.300	0.321	0.309
Eggs for consumption (EUR/egg)	0.110	0.109	0.106	0.105	0.104	0.105	0.108	0.109

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

Agricultural price changes (%; nominal; change from previous year)						
	Ø 2008-12	Ø 2013-17	2018	2019	2020	
Agricultural products. total		2.6	0.6	-0.6	3.7	-2.0
Crop products		1.2	2.3	-1.6	3.1	1.1
Animals and livestock products		3.3	-0.4	0.1	4.1	-3.9
Agricultural inputs. total		5.2	-1.0	3.8	2.7	-1.4
Consumer goods and services		6.1	-2.0	3.9	2.4	-3.0
Investment goods and services		3.3	1.6	3.6	3.2	2.0
Terms of trade (agricultural products / inputs)		-2.5	1.6	-4.2	1.1	-0.6

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

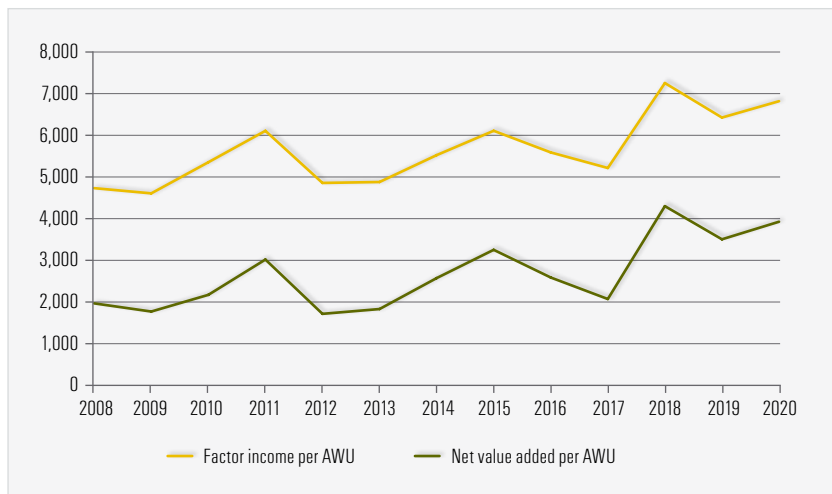
Main aggregates of economic accounts for agriculture at basic prices (mill. EUR)*					
	Ø 2008-12	Ø 2013-17	2018	2019	2020**
Total output at basic prices	1,137.8	1,200.1	1,370.0	1,325.2	1,353.3
Intermediate consumption	732.1	742.0	750.3	764.1	750.1
Gross value added at basic prices	405.7	458.1	619.7	561.1	603.3
Fixed capital consumption	242.5	257.4	267.3	269.8	273.9
Net value added at basic prices	163.2	200.7	352.4	291.3	329.4
Other subsidies on production	239.1	249.2	247.4	248.5	248.5
Other taxes on production	9.5	5.7	5.9	6.4	6.5
Factor income at basic prices	392.8	444.2	593.9	533.4	571.3
Agricultural labour (000 AWU)	79.8	80.9	78.0	77.3	76.5
Factor income per AWU (EUR)	4,932	5,490	7,612	6,900	7,473

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

* current prices

** provisional data

Agricultural incomes per AWU at basic prices (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 2008-12	Ø 2013-17	2018	2019	2020
Market and direct producer support measures	170.0	163.9	175.0	161.6	178.4
Market support	2.7	1.5	1.3	1.3	1.2
Direct payments to producers	140.1	135.4	135.0	134.3	133.6
Variable input subsidies	18.8	22.2	25.5	25.4	25.4
Disaster payments and other compensations to producers	8.4	4.7	13.2	0.6	18.2
Structural and rural developments measures	165.6	139.4	156.8	172.4	168.9
Improving the competitiveness of agriculture and related sectors	52.6	40.8	59.6	63.4	52.7
On farm investment and restructuring support	27.3	25.7	49.4	49.4	38.6
Agricultural infrastructure	4.6	5.8	2.3	2.2	2.4
Producer groups, processing, marketing and promotion	20.8	9.3	8.0	11.9	11.7
Providing ecosystem services	90.6	81.9	86.7	92.3	92.3
Payments to farmers in areas with natural constraints	51.3	43.1	41.1	45.4	44.5
Agri-environmental-climate payments	33.1	28.3	30.0	30.6	30.9
Organic farming payment	6.3	8.9	9.1	9.6	10.0
Animal welfare payments to farmers	0.0	1.7	6.5	6.7	6.9
Supporting rural economy and population	22.4	16.8	10.5	16.8	23.8
General measures related to agriculture	42.6	37.6	40.5	42.7	43.9
Research, development, advisory and expert services	23.3	18.8	20.6	21.6	23.1
Food safety and quality control	15.8	13.3	15.5	16.2	15.8
Other general support	3.4	5.5	4.5	4.9	4.9
TOTAL BUDGETARY SUPPORT TO AGRICULTURE	378.1	341.0	372.3	376.7	391.1

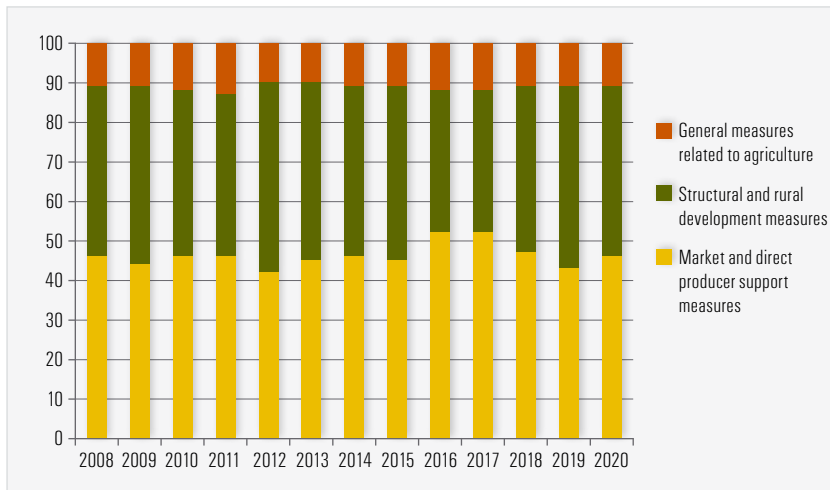
Source: MAFF, AKTRP, calculated by AIS

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

	Ø 2008-12	Ø 2013-17	2018	2019	2020
Market and direct producer support measures	56	83	78	84	76
Structural and rural developments measures	78	76	75	75	75
General measures related to agriculture	6	10	12	13	11
TOTAL BUDGETARY SUPPORT TO AGRICULTURE	60	72	69	72	68

Source: MAFF, AKTRP, calculated by AIS

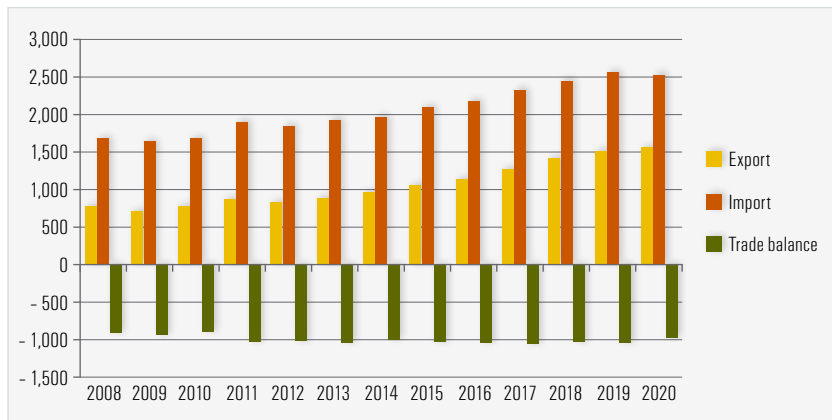
Breakdown of budgetary support to agriculture by main group of measures (%; calendar year)



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; 2020: provisional data

Composition of agri-food trade by main commodity groups (%)*					
	Ø 2008–12	Ø 2013–17	2018	2019	2020
Export (mill. EUR)	794	1,065	1,415	1,514	1,561
Miscellaneous edible preparations (CN 21) (%)	9.6	12.2	15.6	15.9	15.3
Meat and meat preparations (CN 02 and CN 16) (%)	15.0	15.5	15.4	15.4	14.2
Dairy produce, eggs, natural honey (CN 04) (%)	15.3	13.9	12.4	11.7	11.6
Beverages, spirits and vinegar (CN 22) (%)	12.1	10.6	10.9	8.6	10.0
Residues, waste from the food industries, fodder (CN 23) (%)	9.8	10.2	8.8	9.3	9.2
Edible fruits and vegetables (CN 08 and CN 07) (%)	7.1	7.4	7.2	8.1	8.9
Other (%)	31.1	30.1	29.7	31.1	30.8
Import (mill. EUR)	1,753	2,102	2,453	2,562	2,534
Edible fruits and vegetables (CN 08 and CN 07) (%)	13.6	13.9	13.8	14.3	14.9
Meat and meat preparations (CN 02 and CN 16) (%)	12.5	13.3	13.1	13.2	11.9
Residues, waste from the food industries, fodder (CN 23) (%)	8.6	9.8	10.2	9.1	10.0
Miscellaneous edible preparations (CN 21) (%)	7.3	7.5	7.9	7.8	8.0
Preparations of cereals, flour or starch (CN 19) (%)	6.5	7.1	7.0	7.2	7.5
Dairy produce, eggs, natural honey (CN 04) (%)	6.9	7.4	7.4	7.0	7.1
Beverages, spirits and vinegar (CN 22) (%)	5.9	6.3	6.6	6.8	6.6
Other (%)	38.8	34.6	34.1	34.7	34.1

Source: SORS (External Trade), calculated by AIS

* commodity groups 01–24 of Combined Nomenclature (CN) of European Union; 2020: provisional data

Composition of agri-food trade by main trading partners (%)*					
	Ø 2008-12	Ø 2013-17	2018	2019	2020
Export (mill. EUR)	794	1,065	1,415	1,514	1,561
Croatia (%)	9.8	18.0	21.1	22.2	21.2
Italy (%)	30.0	22.9	20.6	19.1	18.4
Austria (%)	9.5	9.8	9.5	9.1	9.1
Germany (%)	3.6	4.2	4.8	5.6	6.0
Hungary (%)	7.4	5.9	4.3	4.4	5.4
Bosnia-Herzegovina (%)	8.6	6.6	5.6	5.7	5.0
Other (%)	31.1	32.6	34.1	34.0	34.9
Import (mill. EUR)	1,753	2,102	2,453	2,562	2,534
Italy (%)	16.7	16.0	14.9	15.0	14.5
Croatia (%)	5.8	10.1	13.5	13.1	13.4
Germany (%)	12.8	14.3	12.6	12.5	12.7
Austria (%)	18.8	15.3	13.4	13.2	12.3
Hungary (%)	8.4	7.4	6.6	6.7	6.2
Brazil (%)	4.3	6.0	6.5	5.2	5.9
Netherlands (%)	5.7	5.6	5.3	5.7	5.5
Other (%)	27.5	25.3	27.3	28.8	29.5

Source: SORS (External Trade), calculated by AIS

* commodity groups 01-24 of Combined Nomenclature (CN) of European Union; 2020: provisional data

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