

SLOVENIAN AGRICULTURE IN NUMBERS



AGRICULTURAL ECONOMICS DEPARTMENT

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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 2024. 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** (AAMRD),
- **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/), 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 2023, agriculture, together with forestry, hunting and fisheries contributed 2.1% to total value added and 6.2% to total employment.

According to the data from **Farm Structure Survey (2020)**, the downward trend in the number of agricultural holdings continues. The average agricultural holding cultivates 7.0 ha of utilized agricultural area (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 raised 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). The processes of specialization of agricultural production are noticeable (the share of holdings, which are oriented towards a certain type of crop or livestock production, is increasing). With a 95% share, the family workforce is still dominant.

Throughout the 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, amounting to over 53 thousand ha in 2022 (11.1% of all UAA), with permanent grassland predominating in the structure (79%).

In terms of agricultural production, the **agricultural production volume** in 2023 was one and a half per cent (1.5%) higher than in the previous year and was below the average of recent years for the third year in a row. The volume of crop production increase by 5%, while livestock production decreased by 3%.

Crop production in 2023 was mainly characterized by hailstorms, downpours and catastrophic flooding. As in 2022, the 2023 harvest was below average for most field crops compared to the longer period, with the only exceptions being fodder plants and potatoes. The fruit harvest was significantly worse, and the grape harvest was also slightly worse. Total yields in 2023 were higher for cereals, oilseeds, sugar beet, potatoes and hops, as well as for green fodder in fields and permanent meadows. The fruit yield was half as much as the yield in 2022, the yield of vegetables was also significantly lower, and the grape yield was also lower.

A decline was recorded in most livestock production, except for broiler production. The decrease in beef production is still due to the extremely unfavorable conditions for basic fodder, while the decrease in pig production is due to a shortage of piglets on domestic and foreign markets. In 2023, less cow's milk and milk from small ruminants was produced than in the previous year. Egg production was higher than in the previous year. While 2022 was considered one of the record highs in honey production, the 2023 harvest was one of the record lows.

Available quantities for human consumption per capita increased in 2023 in rice and potatoes and among animal products notably only in poultry meat. Available quantities of maize, beef meat, pig meat and eggs remained at the previous year's level, while the available quantities of all other agricultural products decreased.

Self-sufficiency rates, which have fluctuated due to the changes in production volumes and consumption in the recent period, were higher in 2023 than in the previous year in cereals, potatoes and eggs, and lower in vegetables, fruit, meat, milk and honey. Similar to previous years, domestic production exceeds domestic consumption of milk (self-sufficiency rate 131%), poultry meat (109%) and cattle meat (106%).

In 2023, **producer prices of agricultural products** rose slightly in nominal terms (by 1.9%), but as the nominal price increase did not reach the level of inflation, prices decreased in real terms (by 5.2%). The real price decline was recorded in livestock production and crop production. Prices for crop products decreased by 8.9% in real terms at an aggregated level in 2023, making them the second-highest so far and close to the 2021 price level. Prices of cereals and oilseeds decreased significantly, while prices for all other main crops continued to rise. Prices for animals and animal products were also the second-highest so far (in real terms). Compared to the previous year, prices decreased by 2.8% in real terms, but continued to rise in nominal terms. Prices for pig meat, poultry meat and eggs rose the most.

Prices of agricultural inputs decreased in 2023, by a total of 1.2% (–8.0% in real terms). The sharpest decline was recorded for mineral fertilizer prices, and to a certain extent also for energy prices. Higher prices were recorded for other agricultural inputs. The terms of trade in agriculture improved slightly in 2023.

The economic results of agriculture at the aggregated level were somewhat more modest in 2023. In real terms, the net value added of Slovenian agriculture decreased by around 5% and factor income by around 2% compared to 2022. With a significantly lower value of total agricultural output (around 1.6 billion EUR; –9% in real terms) and lower intermediate consumption, factor income amounted to 550 million EUR in nominal terms, or around 7,700 EUR per annual working unit.

The decline in income is primarily due to the significantly lower prices of agricultural products (especially in crop production) and the lower production volume in livestock production. The economic results were better than in the previous year in the production of potatoes and fodder crops as well as in the breeding of small ruminants, poultry meat, pigs and eggs. Significantly poorer economic results than in the previous year were recorded in the production of cereals, fruit and vegetables as well as in cattle breeding and milk production.

In the area of **agricultural policy**, Slovenia implements measures under the Common Agricultural Policy, with measures partially or fully financed from the common EU budget, as well as national measures financed only from the national budget. In 2023, the implementation of the new Strategic Plan 2023-2027 began and with it new interventions. However, some measures were still implemented under the previous program. The implementation of direct payments, sectoral interventions and interventions for rural development continues.

In addition to the regular measures, some exceptional aid measures were also implemented in 2023. The majority was intended for natural disasters. The remainder was intended to protect agricultural incomes due to the economic crisis and exceptional events on the global markets (energy prices, etc.).

Total **budget support to agriculture** in 2023 amounted to 406 million EUR, which is about 10% less compared to 2022. In 2023, the share of co-financing from the EU budget was 67%. According to the structure of budget support, most funds were allocated to market and direct support measures (45%; 182.5 million EUR), followed by funding structural and rural development measures (42%; 168.9 million EUR). The share earmarked for the financing of general agricultural services remained relatively small (13%; 54.3 million EUR).

Under market and direct support measures, payments decreased by 18% compared to 2022. The decrease is primarily because we are comparing with record-high payments for these measures in 2022; however, excise duty refunds for fuels were also no longer paid out. The majority of support under the market and direct support measures consists of direct payments to producers (72%). Payments for rural development and structural policy measures also decreased (by 7%). In 2023, within this group of measures, around 40% of the funds were paid for environmental measures and around 40% for strengthening the competitiveness of agriculture. The funds for financing general agricultural services increased significantly in 2023 (by 12%).

The total **trade in agri-food goods** increased in 2023, with exports rising by 6% and imports by 11%. Further, the coverage of imports by exports decreased to 57% (in 2022: 60%) and the trade deficit increased to 1.6 billion EUR (in 2022: 1.3 billion EUR).

Slovenia remains a net value importer for most agri-food products. There were trade surpluses (in terms of value) in the groups: miscellaneous edible preparations, live animals, meat preparations and dairy products (eggs and honey are also included in this group). The positive trade balance improved compared to 2022 in the miscellaneous edible preparations and meat preparations groups. The highest deficit was recorded for fruit.

The majority of the agri-food trade was created with EU Member States, with exports to EU Member States accounting for 74% of total exports and imports from EU Member States accounting for 85% of total imports. Croatia and Italy are the most important partners for both exports and imports.

Key general statistics for Slovenian agriculture

	Ø 2011-15	Ø 2016-20	2021	2022	2023
Agriculture in economy					
Gross value added of agricultural sector (mill. EUR)*	759.6	917.2	880.4	1,047.8	1,182.0
• Share in total value added (%)	2.4	2.3	1.9	2.1	2.1
Employment in the agriculture (000)*	76.7	72.9	69.7	69.2	67.8
• Share in total employment (%)	8.2	7.2	6.6	6.4	6.2
Exports of agri-food products (mill. EUR)**	924	1,379	1,779	2,021	2,135
• Share in total export of goods (%)	4.2	4.6	4.5	3.8	3.9
Imports of agri-food products (mill. EUR)**	1,951	2,413	2,775	3,351	3,717
• Share in total import of goods (%)	8.7	8.2	6.7	5.9	6.5
Trade balance with agri-food products (mill. EUR)**	-1,027	-1,033	-996	-1,330	-1,583
Agricultural land use***					
Utilised agricultural area (ha)	475,163	480,053	479,486	479,432	480,717
Arable land (%)	36.2	36.3	36.6	36.9	37.0
Permanent crops (%)	5.7	5.8	6.0	5.9	5.9
Permanent grassland (%)	58.1	57.9	57.5	57.2	57.1
Share of utilised agricultural area in total Slovenian area (%)	23.4	23.7	23.7	23.7	23.7
Utilised agricultural area per inhabitant (ha)	0.23	0.23	0.23	0.23	0.23

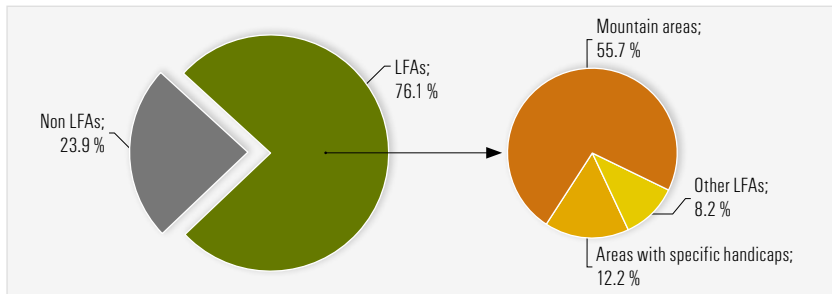
Source: SORS (National Accounts, External Trade, Crop Production), calculated by AIS

* agriculture, forestry, hunting and fisheries; 2023: provisional data

** commodity groups 01–24 of Combined Nomenclature (CN) of European Union; 2023: provisional data

*** annual statistics of crop production

Share of utilised agricultural area in less favoured areas (LFAs); 2023



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

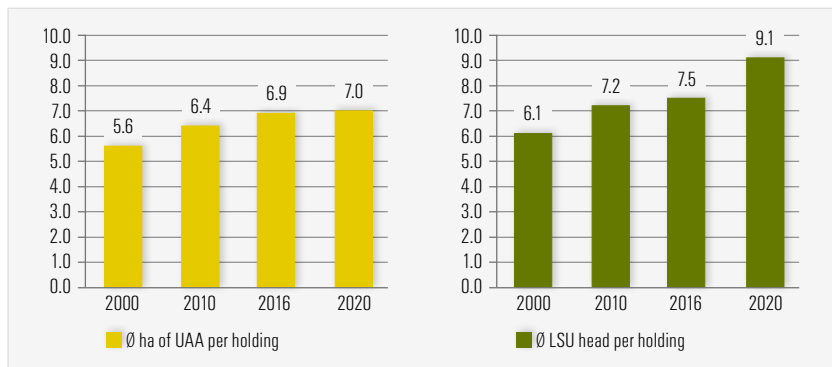
Structure of agricultural holdings

Agricultural holdings by land use and number of livestock								
	Number of holdings				Ø ha, Ø heads/holding			
	2000	2010	2016	2020	2000	2010	2016	2020
Land use on agricultural holdings								
Holdings, total	86,467	74,646	69,902	68,331	5.6	6.4	6.9	7.0
Holdings with arable land	80,858	63,272	66,675	56,968	2.1	2.7	2.6	3.1
Holdings with permanent grassland*	74,230	61,949	60,401	58,529	3.8	4.5	4.6	4.6
Gospodarstva s trajnimi nasadi	58,056	39,402	36,560	34,436	0.5	0.7	0.7	0.8
Livestock on agricultural holdings								
Holdings with livestock (LSU)	77,452	58,648	55,782	44,976	6.1	7.2	7.5	9.1
Holdings with cattle	56,097	36,119	32,805	28,492	8.9	13.1	14.8	16.7
Holdings with pigs	44,623	26,441	22,649	12,200	13.5	14.4	12.1	19.3
Holdings with poultry	58,929	36,240	37,840	27,006	114.2	135.2	164.4	260.8
Holdings with horses	4,634	5,948	5,766	5,179	3.1	3.8	3.4	3.5
Holdings with sheep	4,330	6,181	6,150	5,017	22.2	22.3	21.9	22.8
Holdings with goats	4,775	4,214	4,598	3,379	6.2	8.3	8.4	8.1
Holdings with rabbits	12,682	8,051	8,672	3,361	14.2	10.6	12.7	9.1
Holdings with deer	190	352	406	444	22.0	20.9	21.7	20.7

Source: SORS (Agricultural Holdings), calculated by AIS

* common grassland is not included

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

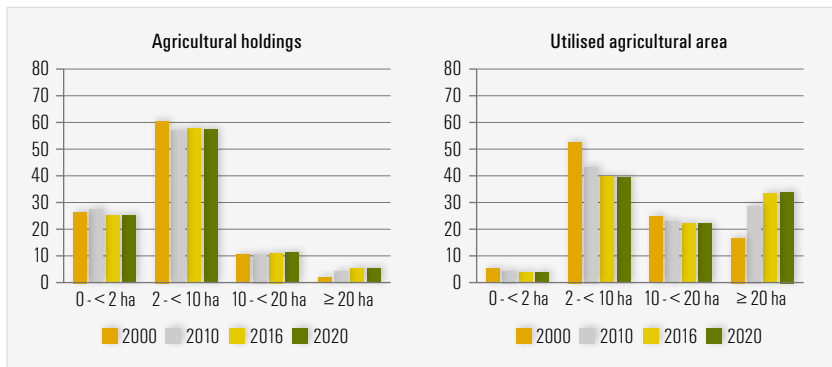


Source: SORS (Agricultural Holdings), calculated by AIS

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 - < 2 ha	23,042	20,593	17,583	17,922	26,399	22,050	19,784	19,694
2 - < 5 ha	30,386	25,135	24,336	23,105	101,112	83,112	78,534	76,788
5 - < 10 ha	22,058	17,530	16,174	15,719	155,278	122,842	113,081	110,791
10 - < 20 ha	9,165	8,100	7,922	7,770	121,063	109,491	107,498	105,562
20 - < 30 ha	1,264	1,916	2,100	2,014	29,927	45,939	50,454	48,488
30 - < 50 ha	377	920	1,195	1,145	13,805	34,250	45,169	43,005
≥ 50 ha	175	452	593	656	38,294	56,750	65,069	70,305
Total	86,467	74,646	69,902	68,331	485,879	474,432	479,589	474,633

Source: SORS (Agricultural Holdings), calculated by AIS

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



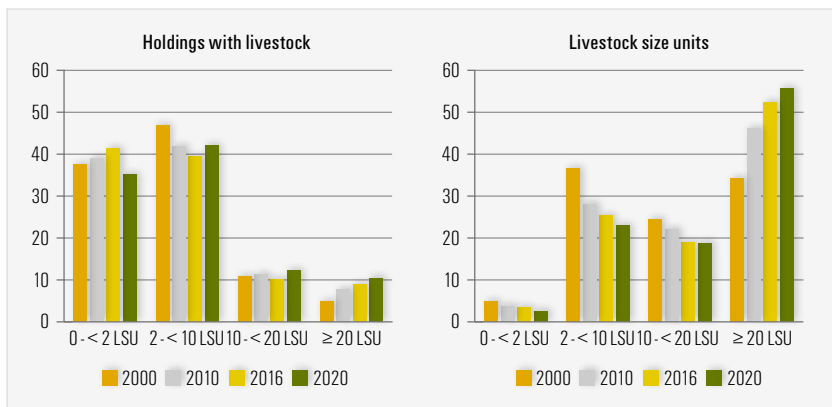
Source: SORS (Agricultural Holdings), calculated by AIS

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

	Number of holdings				Number of LSU			
	2000	2010	2016	2020	2000	2010	2016	2020
> 0 - < 2	29,108	22,861	23,084	15,781	22,701	15,871	14,208	10,751
2 - < 5	22,160	14,598	12,848	10,852	72,585	47,809	41,509	35,580
5 - < 10	14,159	9,972	9,136	8,129	99,851	70,537	64,331	57,819
10 - < 20	8,328	6,678	5,698	5,502	114,864	93,327	79,690	76,725
20 - < 30	2,209	2,176	2,355	1,962	53,106	52,873	56,545	47,760
30 - < 50	1,037	1,510	1,600	1,540	38,026	56,908	60,330	58,726
≥ 50	451	853	1,061	1,210	69,365	84,227	102,072	121,323
Total	77,452	58,648	55,782	44,976	470,498	421,553	418,684	408,684

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	2016	2020	2010	2016	2020
< 2,000 EUR	15,691	10,002	12,746	22,942	14,913	20,931
2,000 - < 4,000 EUR	17,650	13,248	14,335	49,103	32,794	39,408
4,000 - < 8,000 EUR	18,120	17,857	15,945	85,235	68,851	70,373
8,000 - < 15,000 EUR	10,648	13,332	10,694	80,072	86,530	75,318
15,000 - < 25,000 EUR	4,996	5,843	5,345	53,654	55,939	52,799
25,000 - < 50,000 EUR	4,463	5,168	4,707	68,502	74,182	66,282
50,000 - < 100,000 EUR	2,170	2,901	2,854	54,852	66,006	61,611
≥ 100,000 EUR	908	1,552	1,705	60,071	80,374	87,910
Total	74,646	69,902	68,331	474,432	479,589	474,633

Source: SORS (Agricultural Holdings)

Number of agricultural holdings and utilised agricultural area by type of farming						
	Number of holdings			UAA (ha)		
	2010	2016	2020	2010	2016	2020
Specialist field crops	12,778	13,413	17,180	63,191	80,114	102,272
Specialist horticulture	523	432	432	2,173	1,678	1,641
Specialist permanent crop	8,688	9,189	10,997	22,275	28,153	30,698
Specialist grazing livestock	29,885	24,983	21,907	263,965	242,447	229,253
Specialist granivores	914	410	514	12,479	5,248	6,049
Mixed cropping	5,513	5,720	5,984	17,811	23,544	25,856
Mixed livestock holdings	4,929	3,793	2,217	26,505	21,048	14,830
Mixed crops - livestock	11,416	11,962	9,100	66,033	77,356	64,034
Type of farming - Total	74,646	69,902	68,331	474,432	479,589	474,633

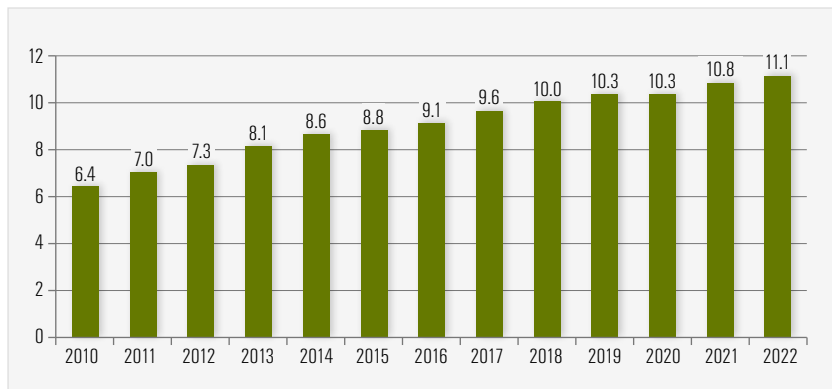
Source: SORS (Agricultural Holdings)

Agriculture and environment

Agricultural holdings and area with organic farming					
	Ø 2010-14	Ø 2015-19	2020	2021	2022
Number of agricultural holdings	2,722	3,628	3,689	3,724	3,786
• with organic farming	2,154	3,127	3,358	3,358	3,430
• in conversion to organic farming	568	501	331	366	356
Utilised agricultural area (ha)	35,568	45,895	49,803	51,826	53,202
• with organic farming	28,978	39,063	43,500	44,761	42,181
• in conversion to organic farming	6,590	6,832	6,303	7,066	11,021
Area with organic farming by land use (ha)					
Arable land	3,923	5,958	6,679	7,303	7,560
of which: vegetables and strawberries	181	266	282	292	307
Orchards	1,008	1,802	2,173	2,422	2,307
Vineyards	346	591	778	864	956
Olive groves	157	247	281	311	326
Nurseries	-	-	0.6	0.4	0.3
Permanent grassland	30,132	37,296	39,892	40,927	42,052

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 2011-15	Ø 2016-20	2021	2022	2023
Share of arable land covered by grasses*	19.1	19.0	20.5	21.8	23.6
Share of legumes in crop rotation**	15.3	15.8	15.4	15.4	15.2
Share of maize in crop rotation	39.4	38.9	40.5	40.3	41.7

Source: SORS (Crop Production), calculated by AIS

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

** including grass-clover and clover-grass mixtures

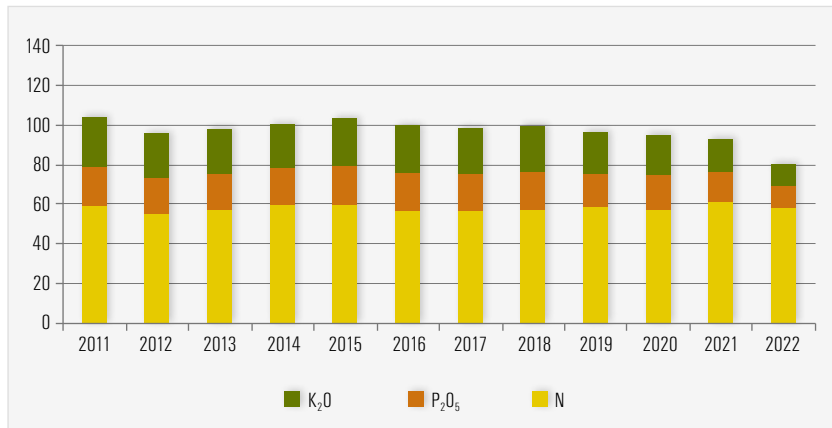
Area of minor agricultural plant species (ha)					
	Ø 2011-15	Ø 2016-20	2021	2022	2023
Spelt	389	562	701	628	446
Buckwheat	1,734	3,543	4,318	4,430	3,762
Sunflowers	299	303	420	578	610
Millet	258	367	418	312	239
Field peas	377	486	346	323	288
Soya	527	2,040	1,893	2,330	3,001

Source: SORS (Crop Production), calculated by AIS

Mineral fertiliser use (t)					
	Ø 2010-14	Ø 2015-19	2020	2021	2022
Mineral fertiliser use, total	131,585	132,621	131,403	123,529	108,654
Pure nutrients use, total	47,760	47,610	46,011	44,578	38,649
Nitrogen (N)	27,359	27,568	27,692	29,143	27,831
Phosphorus (P ₂ O ₅)	9,169	8,993	8,402	7,288	5,489
Potassium (K ₂ O)	11,232	11,049	9,917	8,147	5,329

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 2011-15	Ø 2016-20	2021	2022
Gross N surplus (kg/ha utilised agricultural area)	49.5	42.1	46.2	69.6
Net N surplus (kg/ha utilised agricultural area)	17.7	10.5	14.6	39.2
P surplus (kg/ha utilised agricultural area)	3.2	1.6	0.2	3.0
Emissions of greenhouse gases (000 t eq CO ₂)*	1,713	1,764	1,774	1,706
Emissions of ammonia (000 t)	16.3	16.4	16.3	15.7

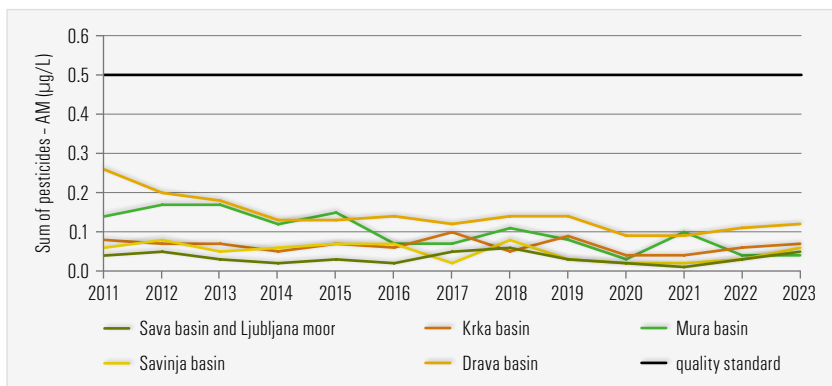
Source: AIS

* The data series for greenhouse gases has been updated, as the factors for converting methane and nitrous oxide into CO₂ equivalents have changed.

Pesticide sale (t active substance)					
	Ø 2010-14	Ø 2015-19	2020	2021	2022
Plant protection products, total	1,040	1,092	993	932	848
Fungicides and bactericides	732	803	731	669	629
Herbicides	247	232	209	195	167
Insecticides and acaricides	41	44	40	49	39
Other plant production product	20	13	13	20	13

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, 2023)

* Pesticides have been monitored in recent years only at those sampling points where they appear, even if only in traces.

The average per water body thus reflects only the average at sampling sites where pesticides occur. Sampling sites where no pesticides have been detected in the past are not taken into account in the calculation of the average.

Agricultural output

Share of individual products in agricultural output (%)					
	Ø 2011-15	Ø 2016-20	2021	2022	2023*
Crop output	53.9	55.7	54.8	52.5	50.8
Cereals	7.8	6.6	10.0	10.4	6.5
of which: Wheat and spelt	2.4	1.7	2.1	2.9	1.6
Industrial crops	2.1	2.8	2.5	2.2	2.1
of which: Oilseeds and oleaginous fruits	1.3	1.0	0.9	1.0	0.7
Forage plants	16.5	15.1	17.6	14.5	19.2
Vegetables and horticultural products	7.8	10.7	11.1	9.2	9.0
of which: Fresh vegetables	5.1	7.9	8.8	7.0	6.7
Potatoes	1.6	1.7	1.6	1.5	1.9
Fruits	7.3	6.2	3.2	6.2	3.3
Grapes	1.1	1.4	1.6	1.3	1.4
Wine	9.5	10.6	7.0	6.9	7.1
Olive oil	0.26	0.47	0.19	0.41	0.26
Animal output	44.4	42.7	42.7	45.3	46.7
Cattle	12.3	12.0	12.3	12.6	12.5
Pigs	4.3	3.8	3.7	3.2	3.6
Poultry	7.8	7.8	7.1	7.5	8.6
Sheep and goats	0.5	0.7	0.8	0.7	0.8
Other animals	0.4	0.4	0.3	0.3	0.3
Milk	15.0	13.9	14.7	16.5	16.2
Eggs	2.8	3.0	3.0	3.1	3.7
Other animal products	1.3	1.1	0.6	1.5	1.0
Agricultural services output	1.7	1.6	2.5	2.2	2.5
AGRICULTURAL OUTPUT	100.0	100.0	100.0	100.0	100.0

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

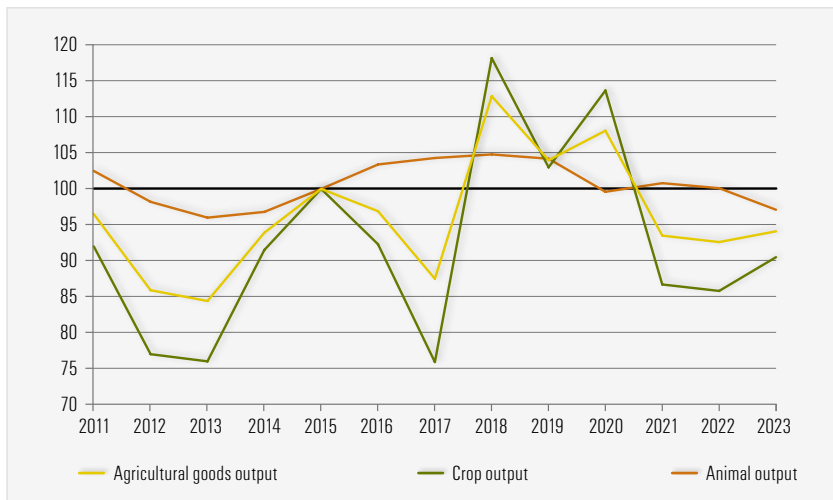
* provisional data

Gross agricultural output volume change (%; change from previous year)					
	Ø 2011-15	Ø 2016-20	2021	2022	2023*
Crop output	2.0	2.6	-23.8	-1.0	5.4
Cereals	2.1	3.8	-6.1	-18.9	16.4
Oilseeds and oleaginous fruits	-1.5	-0.4	-22.7	6.5	-8.1
Potatoes	-2.0	-0.8	-28.0	-3.9	18.1
Fresh vegetables	9.7	7.6	-16.2	-18.7	-17.1
Forage plants	0.5	1.4	-11.6	-29.0	42.4
Fruits	0.3	-5.4	-71.8	232.4	-53.2
Grapes	0.2	-1.4	19.9	-16.2	-6.5
Wine	2.8	-2.9	-35.4	8.0	-6.5
Animal output	-0.6	-0.1	1.2	-0.7	-3.0
Cattle	0.2	-2.1	2.5	-2.2	-5.7
Pigs	-9.4	0.6	8.3	-16.0	-5.5
Poultry	-0.9	4.4	-1.1	1.9	3.1
Milk	0.9	0.0	1.5	-2.3	-2.8
Agricultural goods output	0.9	1.6	-13.6	-0.9	1.5
Agricultural services output	-1.8	8.6	0.0	0.0	0.0
AGRICULTURAL OUTPUT	0.8	1.7	-13.2	-0.9	1.5

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 2011-15	Ø 2016-20	2021	2022	2023
Cereals	98,505	99,037	102,052	103,553	106,073
of which: Wheat and spelt	31,974	28,263	26,785	27,564	28,705
Barley	18,270	20,779	21,863	22,546	21,947
Grain maize	39,456	38,094	41,402	41,562	44,253
Rapeseed	4,647	3,308	2,806	2,937	2,841
Pumpkins for oil	4,509	4,203	4,491	3,700	2,968
Hops	1,280	1,570	1,535	1,622	1,661
Potatoes	3,450	2,981	2,734	2,886	2,939
Vegetables	4,665	5,922	6,223	6,094	4,267
Green fodder from arable land	62,083	63,536	66,644	68,977	72,298
of which: Green maize	28,328	29,696	29,663	29,625	29,803
Fodder from permanent grassland	275,966	277,996	275,601	274,464	274,618
Fruits*	9,737	10,922	12,157	12,198	12,180
of which: Intensive orchards	3,999	4,197	4,367	4,407	4,430
of which: Apples	2,618	2,306	2,093	2,027	1,999
Wine grapes	16,098	15,621	14,874	14,396	14,404
Olives	956	1,302	1,489	1,571	1,624

Source: SORS (Crop Production), calculated by AIS

* including strawberries

Crop production (t)					
	Ø 2011-15	Ø 2016-20	2021	2022	2023
Cereals	582,896	634,630	700,546	576,187	666,888
of which: Wheat and spelt	162,036	144,804	154,451	150,754	145,416
Barley	83,258	100,459	119,132	112,455	101,046
Grain maize	308,463	351,816	388,830	277,818	389,033
Rapeseed	13,856	8,644	6,905	7,550	7,324
Pumpkins for oil	2,759	2,825	2,495	1,988	1,243
Hops	1,811	2,602	2,186	2,283	2,735
Potatoes	85,088	78,147	64,042	58,229	68,583
Vegetables	80,216	111,559	114,954	90,651	74,768
Green fodder from arable land	1,397,669	1,615,000	1,514,519	1,115,517	1,443,741
of which: Green maize	1,185,022	1,381,344	1,272,060	942,509	1,188,410
Fodder from permanent grassland	1,426,446	1,571,507	1,522,872	1,063,347	1,572,861
Fruits*	132,683	105,178	34,413	93,448	47,386
of which: Intensive orchards	87,452	68,048	29,011	64,882	41,307
of which: Apples	72,225	52,665	23,011	48,838	30,598
Wine grapes	105,138	103,965	84,159	81,775	78,568
Olives	1,263	2,476	915	2,444	1,309

Source: SORS (Crop Production), calculated by AIS

* including strawberries

Number of livestock (on December 1 st)					
	Ø 2011-15	Ø 2016-20	2021	2022	2023
Cattle	467,077	482,739	482,619	464,908	455,904
of which: Cows	168,448	167,839	165,446	157,503	154,451
of which: Dairy cows	110,068	103,886	100,919	93,249	99,840
Pigs	296,892	250,346	215,713	202,148	196,139
of which: Breeding sows	17,901	13,994	10,971	10,685	9,847
Sheep and goats	137,888	136,960	144,951	143,151	143,147
of which: Breeding ewes/goats	93,920	95,161	100,626	102,026	101,328

Source: SORS (Animal Production), calculated by AIS

Livestock production (t)					
	Ø 2011-15	Ø 2016-20	2021	2022	2023*
Beef & veal (live weight gain)	76,940	81,120	84,400	81,200	76,800
Pigmeat (live weight gain)	39,860	36,840	37,400	31,600	30,100
Poultrymeat (live weight gain)	82,640	96,660	101,100	103,000	105,100
Sheep and goatmeat (live weight gain)	3,260	3,467	3,800	3,500	3,500
Milk	615,037	638,283	642,943	628,110	605,289
of which: Cows milk	613,256	636,050	639,925	625,351	605,289
Eggs (mill. pieces)	356.2	401.6	415.1	412.6	432.3
Honey	1,684	1,159	195	2,405	285

Source: SORS (Animal Production), calculated by AIS

* provisional data

Average yields					
	Ø 2011-15	Ø 2016-20	2021	2022	2023*
Wheat and spelt (t/ha)	5.1	5.1	5.8	5.5	5.1
Grain maize (t/ha)	7.9	9.2	9.4	6.7	8.8
Rapeseed (t/ha)	2.9	2.6	2.5	2.6	2.6
Potatoes (t/ha)	24.6	26.2	23.4	20.2	23.3
Dessert apples (t/ha)	27.7	23.0	11.0	24.1	15.3
Cows milk (kg/cow)*	5,572	6,127	6,341	6,706	6,063
Eggs (pieces/laying hen)*	266	231	242	291	246

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

* provisional data

Supply balances of agricultural products

Available quantities for human consumption per capita (kg; calendar year)					
	Ø 2011-15	Ø 2016-20	2021	2022	2023*
Cereals, without rice (in flour equivalent)	87	89	86	86	83
of which: Wheat	73	75	74	74	73
Potatoes	64	66	63	72	74
of which: Fresh potatoes	45	44	39	40	46
Vegetables	101	115	119	105	102
of which: Fresh vegetables	75	85	85	74	69
Fruits	127	131	109	134	132
of which: Fresh fruits	76	78	59	78	78
Wine** (l)	38	36	33	29	:
Meat, with offal (in carcass weight equivalent)	87	92	89	87	87
of which: Beef and veal	19	20	21	20	20
Pigmeat	37	37	33	30	30
Poultrymeat	27	31	31	32	33
Milk, total (in raw milk equivalent)	220	212	206	204	203
Eggs	10	11	11	11	11

Source: SORS, calculated by AIS

* provisional data

** marketing year

Self-sufficiency in selected agricultural products (%; calendar year)					
	Ø 2011-15	Ø 2016-20	2021	2022	2023*
Cereals (without rice)	69	74	84	72	80
Wheat	56	49	57	51	48
Maize	78	92	109	87	112
Potatoes (fresh and processed, without starch)	58	52	44	36	40
Vegetables (fresh and processed)	36	42	43	39	32
Fruits (fresh and processed)	43	32	14	29	16
Wine**	92	96	83	92	:
Meat (with offal)	81	81	85	86	83
Beef and veal	107	107	111	116	106
Pigmeat	42	38	43	41	37
Poultrymeat	111	109	112	108	109
Milk, total	120	131	135	134	131
Eggs	93	94	97	94	95

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

* provisional data

** marketing year

Agricultural prices

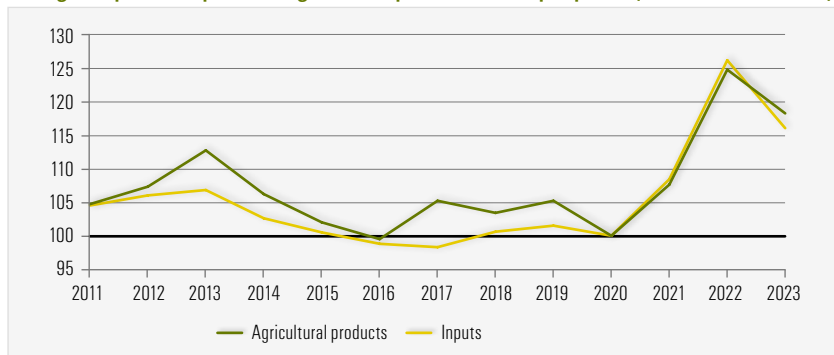
Average producer prices for selected agricultural products (EUR/kg)								
	2016	2017	2018	2019	2020	2021	2022	2023
Wheat (without seed)	0.134	0.154	0.159	0.163	0.148	0.188	0.315	0.184
Grain maize (without seed)	0.131	0.141	0.147	0.124	0.125	0.208	0.293	0.151
Rapeseed	0.327	0.320	0.306	0.316	0.323	0.455	0.618	0.378
Potatoes (without seed)	0.233	0.232	0.233	0.352	0.287	0.355	0.393	0.537
Dessert apples	0.495	0.629	0.391	0.490	0.561	0.658	0.635	0.733
Wine (EUR/l)	2.672	2.696	2.793	2.849	2.788	2.951	3.222	3.547
Bulls (live weight)	1.759	1.822	1.857	1.828	1.737	1.911	2.436	2.582
Pigs for slaughter (live weight)	1.223	1.322	1.265	1.460	1.431	1.314	1.611	1.890
Poultry for slaughter (live weight)	1.057	0.994	0.997	1.028	0.908	0.954	1.150	1.227
Cows milk	0.250	0.301	0.300	0.321	0.309	0.321	0.443	0.446
Eggs for consumption (EUR/egg)	0.105	0.104	0.105	0.108	0.109	0.109	0.136	0.153

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

Agricultural price changes (%; nominal; change from previous year)					
	Ø 2011-15	Ø 2016-20	2021	2022	2023
Agricultural products. total	1.9	0.5	9.7	26.1	1.9
Crop products	1.6	2.5	16.6	21.5	-2.2
Animals and livestock products	2.1	-0.5	5.4	29.3	4.5
Agricultural inputs. total	2.0	0.8	10.5	26.6	-1.2
Consumer goods and services	2.1	0.0	12.9	33.1	-4.0
Investment goods and services	1.9	2.7	5.6	12.8	5.8
Terms of trade (agricultural products / inputs)	0.0	-0.3	-0.7	-0.4	3.1

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

Changes in producer prices of agricultural products and input prices (deflated; 2020=100)



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

Economic accounts for agriculture

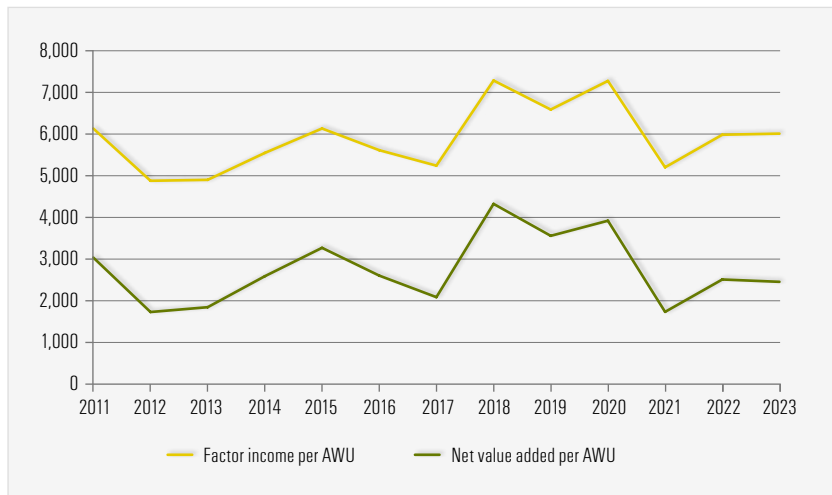
Main aggregates of economic accounts for agriculture at basic prices (mill. EUR)*					
	Ø 2011-15	Ø 2016-20	2021	2022	2023**
Total output	1,202	1,285	1,321	1,593	1,576
Intermediate consumption	754	751	898	1,069	1,017
Gross value added	449	534	423	524	559
Fixed capital consumption	251	267	282	308	335
Net value added	198	267	142	216	225
Other subsidies on production	245	256	291	308	335
Other taxes on production	5	5	7	9	9
Factor income	438	517	425	516	550
Agricultural labour (000 AWU)	81	77	74	73	71
Factor income per AWU (EUR)	5,414	6,705	5,771	7,070	7,720

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

* current prices

** 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 2011-15	Ø 2016-20	2021	2022	2023
Market and direct producer support measures	162.7	169.1	189.4	223.1	182.5
Market support	2.1	1.2	1.3	1.4	1.4
Direct payments to producers	136.3	135.2	132.3	131.5	131.7
Variable input subsidies	21.4	24.2	26.0	23.3	7.5
Disaster payments and other compensations to producers	2.9	8.6	29.8	66.9	41.8
Structural and rural developments measures	158.8	145.5	165.9	181.1	168.9
Improving the competitiveness of agriculture and related sectors	50.9	46.3	54.1	58.8	70.8
On farm investment and restructuring support	29.6	33.6	33.0	39.4	45.0
Agricultural infrastructure	6.7	5.1	11.3	5.4	6.4
Producer groups, processing, marketing and promotion	14.5	7.6	9.8	13.9	19.5
Providing ecosystem services	80.5	90.6	92.6	94.3	69.3
Payments to farmers in areas with natural constraints	41.5	47.2	43.0	42.5	16.4
Agri-environmental-climate payments	30.3	28.9	30.8	31.6	32.1
Organic farming payment	8.3	9.0	10.3	10.7	10.9
Animal welfare payments to farmers	0.3	5.4	7.3	7.5	7.4
Other ecosystem related payments	0.0	0.1	1.3	1.9	2.3
Supporting rural economy and population	27.4	8.5	19.2	28.0	28.8
General measures related to agriculture	38.8	40.8	46.9	48.4	54.3
Research, development, advisory and expert services	20.1	20.7	24.1	26.0	28.7
Food safety and quality control	13.8	15.2	17.6	16.6	16.7
Other general support	5.0	4.9	5.1	5.9	8.9
TOTAL BUDGETARY SUPPORT TO AGRICULTURE	360.3	355.4	402.1	452.5	405.7

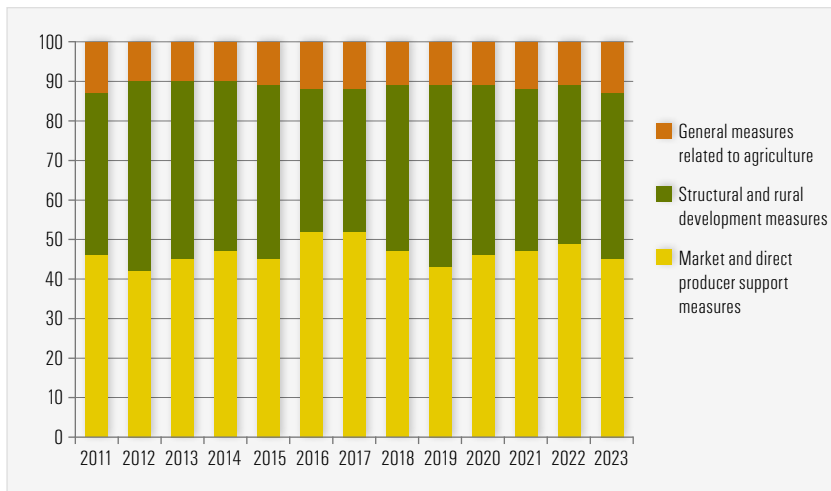
Source: MAFF, AKTRP, calculated by AIS

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

	Ø 2011-15	Ø 2016-20	2021	2022	2023
Market and direct producer support measures	76	81	71	60	77
Structural and rural developments measures	77	75	73	73	73
General measures related to agriculture	8	12	11	11	16
TOTAL BUDGETARY SUPPORT TO AGRICULTURE	69	71	65	60	67

Source: MAFF, AKTRP, calculated by AIS

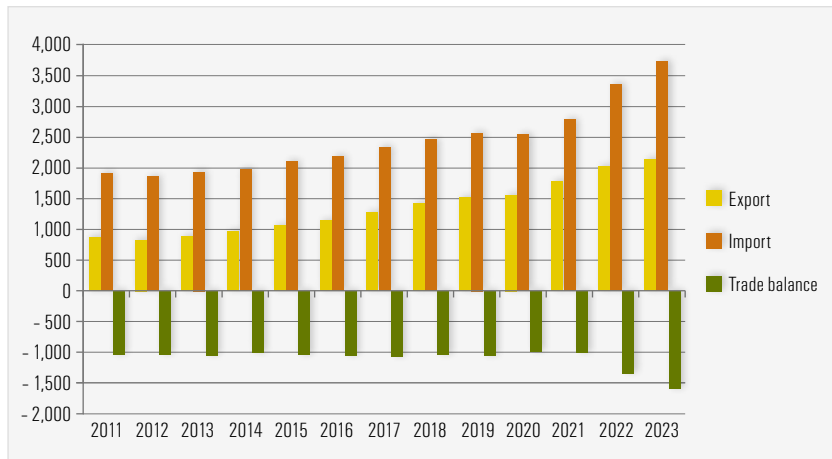
Breakdown of budgetary support to agriculture by main group of measures (%; calendar year)



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; 2023: provisional data

Composition of agri-food trade by main commodity groups (%)*					
	Ø 2011-15	Ø 2016-20	2021	2022	2023
Export (mill. EUR)	924	1,379	1,779	2,021	2,135
Miscellaneous edible preparations (CN 21)	10.5	14.8	15.9	16.7	20.0
Meat and meat preparations (CN 02 and CN 16)	15.4	15.2	14.1	15.2	15.4
Dairy produce, eggs, natural honey (CN 04)	15.0	12.4	11.2	12.5	12.7
Beverages, spirits and vinegar (CN 22)	10.4	9.3	10.3	9.4	9.6
Edible fruits and vegetables (CN 08 and CN 07)	6.9	7.9	7.4	7.6	5.9
Residues, waste from the food industries, fodder (CN 23)	10.1	10.0	6.7	4.6	4.1
Other	31.7	30.4	34.3	33.9	32.3
Import (mill. EUR)	1,951	2,413	2,775	3,351	3,717
Edible fruits and vegetables (CN 08 and CN 07)	13.1	14.4	13.3	12.3	12.6
Meat and meat preparations (CN 02 and CN 16)	13.1	13.0	11.6	12.0	12.4
Preparations of cereals, flour or starch (CN 19)	6.9	7.2	7.6	7.4	8.0
Miscellaneous edible preparations (CN 21)	7.3	7.8	7.8	7.7	7.8
Beverages, spirits and vinegar (CN 22)	6.0	6.6	7.0	7.1	7.4
Residues, waste from the food industries, fodder (CN 23)	8.8	10.0	8.2	7.4	7.2
Dairy produce, eggs, natural honey (CN 04)	7.4	7.2	7.0	7.3	7.1
Other	37.3	34.0	37.4	38.8	37.6

Source: SORS (External Trade), calculated by AIS

* commodity groups 01–24 of Combined Nomenclature (CN) of European Union; 2023: provisional data

Composition of agri-food trade by main trading partners (%)*					
	Ø 2011-15	Ø 2016-20	2021	2022	2023
Export (mill. EUR)	924	1,379	1,779	2,021	2,135
Croatia	13.5	21.2	20.0	20.6	21.4
Italy	26.0	20.2	19.9	20.1	17.7
Austria	10.0	9.4	9.2	10.1	9.3
Germany	3.8	5.2	5.7	6.1	6.5
Bosnia-Herzegovina	7.3	5.7	5.1	4.6	4.7
Serbia	3.1	3.2	3.2	3.5	3.6
Hungary	7.4	4.7	5.3	3.4	3.0
Other	29.0	30.4	31.5	31.7	33.9
Import (mill. EUR)	1,951	2,413	2,775	3,351	3,717
Italy	15.9	15.2	15.4	14.7	15.6
Croatia	7.5	13.0	14.6	15.0	15.1
Germany	14.6	12.8	12.9	12.6	12.1
Austria	16.7	13.3	11.2	10.7	10.3
Hungary	8.4	6.5	6.0	6.3	6.0
Netherlands	5.6	5.5	5.6	5.7	5.7
Poland	4.1	5.2	5.3	5.2	5.2
Other	27.0	28.5	29.0	29.7	30.0

Source: SORS (External Trade), calculated by AIS

* commodity groups 01–24 of Combined Nomenclature (CN) of European Union; 2023: provisional data



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