

SLOVENIAN AGRICULTURE IN NUMBERS



AGRICULTURAL ECONOMICS DEPARTMENT

Editors:

Tanja TRAVNIKAR
Matej BEDRAČ
Sara BELE
Jure BREČKO
Tomaž CUNDER
Ana HITI DVORŠAK
Maja KOŽAR
Ben MOLJK
Jože VERBIČ
Barbara ZAGORC

Agricultural Institute of Slovenia

Hacquetova ulica 17
SI-1000 Ljubljana, Slovenia
T: +386 1 280 52 62
E: tanja.travnikar@kis.si

www.kis.si

Design: Marko Pentek, www.mgo.si
Cover photo: Darinka Koron
Printed by: Birografika Bori d.o.o.
500 copies
ISSN: 2784-4455

August 2022

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 2022. 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 2021, agriculture, together with hunting, forestry and fisheries contributed 2.1% to total value added and 6.7% to total employment. Similarly, as in the recent few years, the share of employment in agriculture continues to decrease.

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 2021, 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 2021 to approx. 52 thousand ha (10.8% of all UAA), with permanent grassland predominating in the structure (79%).

In terms of agricultural production, the year 2021 was unfavorable compared to the previous year. The **agricultural production volume** decreased by 12%, with crop volume decreasing by 20% and livestock production remaining at the level of the previous year.

Year 2021 was marked by two severe spring frosts, which particularly affected orchards and vineyards throughout the country, as well as drought and other weather hazards. For most arable crops and grassland forage, the 2021 harvest was worse compared to the previous year and, with exception of cereals and sunflowers, below average. Fruit harvest was the worst ever recorded. In 2021, more production areas than in the previous year were allocated to the cultivation of cereals, oilseeds, hops, sugar beet and dry legumes, while less was allocated to vegetables, potatoes and fodder root crops. Most agricultural crop groups recorded lower total yields than in 2020. Fruit production decreased by 70% and grape production decreased by 20%, while total yields of sugar beet, sunflowers and oats increased.

In 2021, a larger increase in livestock production was recorded in most livestock sectors, with exception in broilers production. More cow's milk was produced in 2021 than in the previous year, as well as eggs and goat's milk due to an increase in the number of sheep and goats. In honey production, the 2021 harvest is considered one of the worst in the last 30 years, due to the absence of bee pasture caused by spring frost.

Domestic consumption per capita increased in year 2021 only in sugar, and among animal products in meat and eggs. The consumption of meat at the aggregate level increased slightly, mainly due to higher consumption of cattle meat. The consumption of wheat, potatoes, pig meat and milk remained at the level of the previous year, while the consumption of other agricultural products decreased (noticeably lower consumption of fruit and honey).

Self-sufficiency rates, which have fluctuated due to the changes in production volumes and consumption in the recent period, were higher in 2021 than in the previous year in meat, milk and eggs, and lower in cereals, potatoes, vegetables, fruit and honey. Similar to previous years, domestic production exceeds domestic consumption of milk (self-sufficiency rate 136%), cattle meat (110%), and poultry meat (112%). For the second consecutive year, maize self-sufficiency exceeded 100 percent (111%).

In 2021, **producer prices of agricultural products** increased significantly at the aggregate level. Compared to 2020, they increased by 9.1% (7.0% in real terms). Both the price levels for animal products and for crop products increased. Prices of crop products at the aggregate level increased by 15.1% in 2021 compared to the previous year and were record high. On average, the highest increase in prices was recorded for cereals (+45%) and oilseeds (+38%). Apart from the prices of hops, the prices of all other important crop products also increased. In livestock production, average producer prices at aggregate level increased by 5.2%. The largest increase was recorded in the prices of cattle (+10%), cow's milk and lamb (both +4%). The prices of poultry and eggs remained at the level of the previous year, while the prices of pigs decreased (-8%).

In 2021, **prices for agricultural inputs** also increased, at the aggregate level by 9.8%. Among the more important groups of inputs, the prices of mineral fertilizers (+43%), energy (+17%) and animal feed (+14%) increased the most. As the increase in the prices of agricultural products was slightly lower than the increase in the prices of agricultural inputs, the terms of trade were slightly less favorable compared with the previous year.

The **economic results of agriculture** at the aggregate level deteriorated significantly in 2021 compared to a relatively normal previous year. In real terms, net value added decreased by 37% and factor income by around a fifth compared to 2020. With the lower value of total output (around 1.3 billion EUR) and at the same time higher intermediate consumption, the factor income was around 464 million EUR or about 6,100 EUR per annual working unit. The decrease in income was mainly due to the smaller physical volume of crop production (mainly in fruit growing, viticulture and winemaking), and higher intermediate consumption, despite higher prices at the aggregate level.

In 2021, 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 for production coupled payments for small grain cereals, vegetables, cattle breeding and milk production in mountain areas and goat and sheep breeding). The national envelope for direct payments amounted to 131.5 million EUR in 2021.

The implementation of the measures defined in the **RDП for the period 2014–2020** also continued. By the end of 2021 approximately 936 million EUR had been granted for the measures of this program's period. Most of the payments (64%) 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, 27 public tenders were published in 2021.

Total **budget support to agriculture** in 2021 amounted to 402 million EUR, which is almost 3% more compared to 2020 and the most since 2009, when the most funds were allocated to agriculture in general. In 2021, the share of co-financing from the EU budget was 65%.

According to the structure of budget support in 2021, most funds were allocated to market and direct support measures (47%; EUR189.2 million), followed by funding structural and rural development measures (41%; EUR165.9 million). The share earmarked for the financing of general agricultural services remained relatively small (12%; EUR46.9 million).

Under market and direct support measures, payments increased by 6.1% compared to 2020. The increase in these funds is primarily the result of measures that were implemented to help mitigate the impact of income losses in agriculture due to the covid-19 epidemic. However, the majority of support within market and direct support measures consists of direct payments to producers (70%). Under rural development and structural policy measures, payments decreased slightly (–2%) compared to 2020. Within this group, more than half of the funding is aimed for environmental measures. The funds for general agricultural services increased (by almost 7%) compared to 2020, and were the highest so far.

The total **trade in agri-food goods** increased significantly in 2021, with the export increasing by 19% and import increasing by 12%. Further, the coverage of imports by exports increased to 65.0% (in 2020: 61.5%), and the trade deficit increased to 995 million EUR.

Slovenia remains net value importer for most agri-food products. Trade surpluses (in value) occurred in groups miscellaneous edible preparations, live animals, meat preparations, oilseeds and oleaginous fruits, and dairy products (eggs and honey are also included in the group). The positive trade balance improved compared to 2020 in all of the mentioned groups. A larger deficit as in the year before was recorded in fruits, sugar and animal feed, while the deficit in meat, vegetables and cereals decreased. Most of the agri-food trade was created with the EU member states, where exports to EU member states accounted for 77% of total exports (most important partner: Croatia) and imports from EU member states accounted for 83% of total imports (most important partner: Italy). As in previous years, the countries of the former Yugoslavia represent important trade partners (12% of total exports, 4% of total imports).

Key general statistics for Slovenian agriculture

	Ø 2009-13	Ø 2014-18	2019	2020	2021
Agriculture in economy					
Gross value added of agricultural sector (mill. EUR)*	714.3	839.1	947.0	995.7	959.6
• Share in total value added (%)	2.3	2.3	2.2	2.4	2.1
Employment in the agriculture (000)*	78.8	74.4	72.7	72.1	70.9
• Share in total employment (%)	8.3	7.7	7.0	6.9	6.7
Exports of agri-food products (mill. EUR)**	816	1,170	1,514	1,558	1,847
• Share in total export of goods (%)	4.2	4.5	4.5	4.7	4.7
Imports of agri-food products (mill. EUR)**	1,802	2,207	2,562	2,535	2,842
• Share in total import of goods (%)	8.7	8.6	7.5	7.9	6.8
Trade balance with agri-food products (mill. EUR)**	-986	-1,036	-1,048	-977	-995
Agricultural land use***					
Utilised agricultural area (ha)	473,577	479,092	479,822	484,064	479,484
Arable land (%)	36.3	36.2	36.3	36.3	36.6
Permanent crops (%)	5.6	5.7	5.8	6.0	6.0
Permanent grassland (%)	58.0	58.1	57.9	57.8	57.5
Share of utilised agricultural area in total Slovenian area (%)	23.4	23.6	23.7	23.9	23.7
Utilised agricultural area per inhabitant (ha)	0.23	0.23	0.23	0.23	0.23

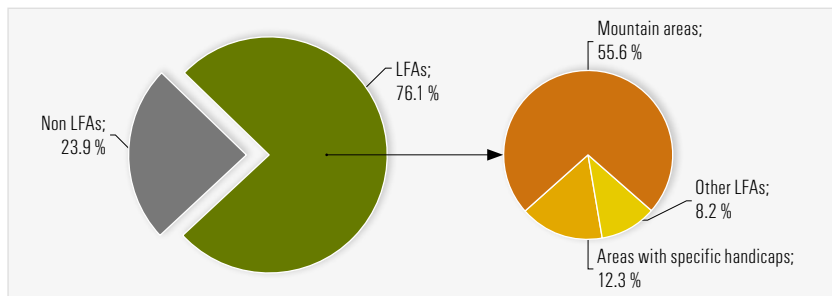
Source: SORS (National Accounts, External Trade, Crop Production), calculated by AIS

* agriculture, forestry, hunting and fisheries; 2021: provisional data

** commodity groups 01–24 of Combined Nomenclature (CN) of European Union; 2021: provisional data

*** annual statistics of crop production

Share of utilised agricultural area in less favoured areas (LFAs); 2021



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

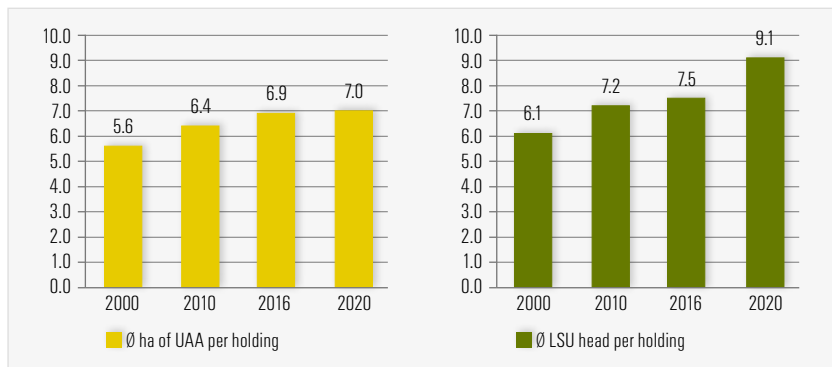
Structure of agricultural holdings

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	67,576	5.6	6.4	6.9	7.0
Holdings with arable land	80,877	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)

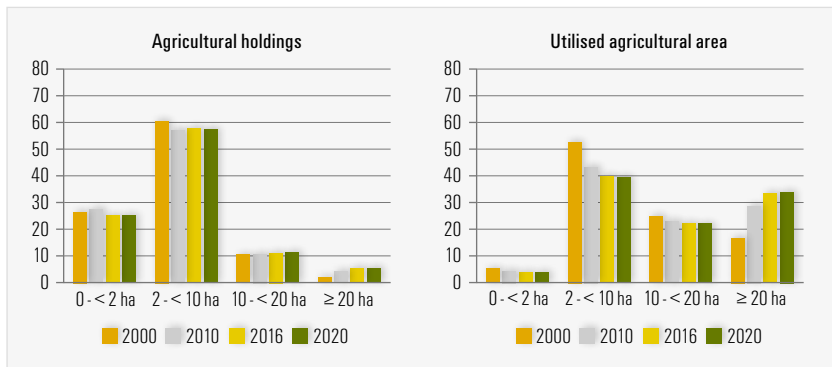


Source: SORS (Agricultural Holdings), calculated by AIS

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 (%)



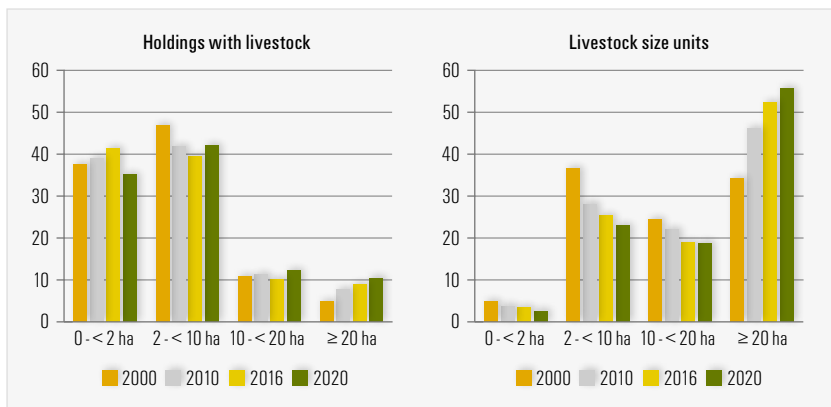
Source: SORS (Agricultural Holdings), calculated by AIS

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 (%)



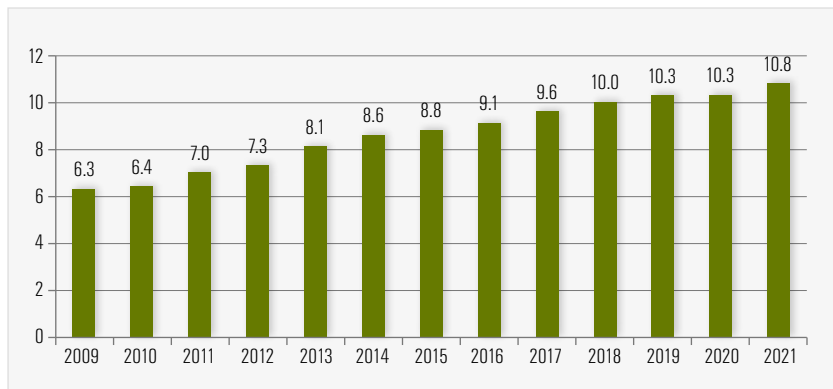
Source: SORS (Agricultural Holdings), calculated by AIS

Agriculture and environment

Agricultural holdings and area with organic farming					
	Ø 2009-13	Ø 2014-18	2019	2020	2021
Number of agricultural holdings	2,482	3,522	3,828	3,689	3,724
• with organic farming	2,017	2,936	3,494	3,358	3,358
• in conversion to organic farming	465	586	334	331	366
Utilised agricultural area (ha)	33,198	44,215	49,638	49,803	51,826
• with organic farming	27,434	36,879	44,455	43,500	44,761
• in conversion to organic farming	5,765	7,336	5,183	6,303	7,066
Area with organic farming by land use (ha)					
Arable land	3,561	5,601	6,520	6,679	7,303
of which: vegetables and strawberries	163	247	308	282	292
Orchards	912	1,633	2,106	2,173	2,422
Vineyards	303	534	706	778	864
Olive groves	122	236	278	281	311
Nurseries	-	-	0.3	0.6	0.4
Permanent grassland	28,299	36,210	40,028	39,892	40,927

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 2009-13	Ø 2014-18	2019	2020	2021
Share of arable land covered by grasses*	20.2	18.6	18.6	19.5	20.5
Share of legumes in crop rotation**	15.3	15.9	15.0	14.8	15.4
Share of maize in crop rotation	38.6	38.5	39.6	40.1	40.5

Source: SORS (Crop Production), calculated by AIS

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

** including grass-clover and clover-grass mixtures

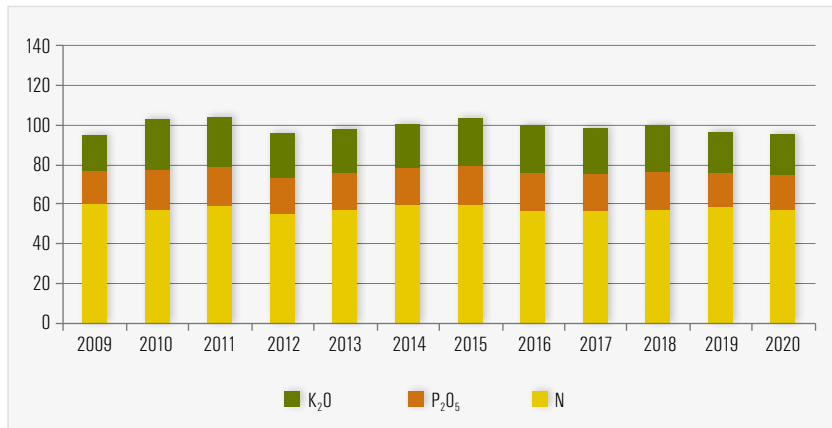
Area of minor agricultural plant species (ha)					
	Ø 2009-13	Ø 2014-18	2019	2020	2021
Spelt	269	591	395	509	701
Buckwheat	1,300	2,933	3,187	4,279	4,318
Sunflowers	289	262	334	354	420
Millet	181	384	277	356	418
Field peas	475	474	386	341	346
Soya	140	1,848	1,433	1,637	1,893

Source: SORS (Crop Production), calculated by AIS

Mineral fertiliser use (t)					
	Ø 2008-12	Ø 2013-17	2018	2019	2020
Mineral fertiliser use, total	129,134	132,504	128,769	138,218	131,403
Pure nutrients use, total	47,891	47,918	47,582	46,295	46,011
Nitrogen (N)	26,832	27,675	27,293	28,048	27,692
Phosphorus (P ₂ O ₅)	9,479	9,154	9,132	8,104	8,402
Potassium (K ₂ O)	11,580	11,089	11,157	10,143	9,917

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

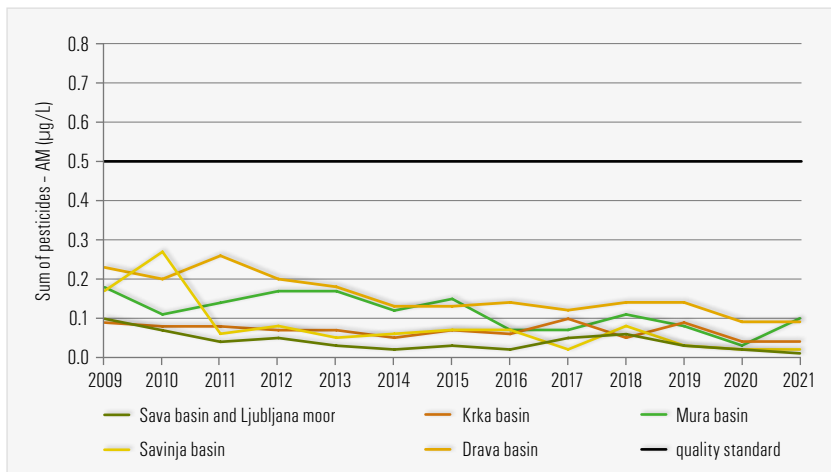
Emissions from agriculture to environment				
	Ø 2009-13	Ø 2014-18	2019	2020
Gross N surplus (kg/ha utilised agricultural area)	54.8	47.4	43.2	32.0
Net N surplus (kg/ha utilised agricultural area)	21.0	14.3	10.6	-0.2
P surplus (kg/ha utilised agricultural area)	3.6	2.4	0.6	-0.9
Emissions of greenhouse gases (000 t eq CO ₂)	1,664	1,707	1,720	1,724
Emissions of ammonia (000 t)	17.3	17.2	16.9	16.9

Source: AIS

Pesticide sale (t active substance)					
	Ø 2008-12	Ø 2013-17	2018	2019	2020
Plant protection products, total	1,131	1,044	1,172	1,000	993
Fungicides and bactericides	786	757	849	752	731
Herbicides	269	234	257	198	209
Insecticides and acaricides	51	38	55	37	40
Other plant production product	25	15	11	14	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, 2022)

Agricultural output

Share of individual products in agricultural output (%)					
	Ø 2009-13	Ø 2014-18	2019	2020	2021*
Crop output	52.5	55.2	55.5	58.3	56.2
Cereals	7.5	6.8	6.4	7.1	10.0
of which: Wheat and spelt	2.2	1.9	1.7	1.7	2.1
Industrial crops	2.1	2.7	2.8	3.0	2.5
of which: Oilseeds and oleaginous fruits	1.2	1.2	0.8	1.0	1.1
Forage plants	16.4	15.6	15.3	15.7	16.2
Vegetables and horticultural products	7.1	9.5	11.6	12.0	12.1
of which: Fresh vegetables	4.5	6.5	9.3	9.5	9.7
Potatoes	1.7	1.6	1.9	1.7	1.5
Fruits	7.0	6.8	5.0	7.1	3.2
Grapes	1.3	1.3	1.4	1.1	1.0
Wine	9.1	10.6	10.7	10.0	9.2
Olive oil	0.31	0.38	0.38	0.58	0.38
Animal output	45.7	43.2	43.1	40.3	42.4
Cattle	12.8	12.1	11.9	10.7	12.1
Pigs	5.1	3.8	4.2	3.7	3.4
Poultry	8.2	7.8	7.8	7.6	7.4
Sheep and goats	0.6	0.7	0.7	0.7	0.8
Other animals	0.4	0.4	0.4	0.3	0.3
Milk	14.6	14.3	14.3	13.6	14.7
Eggs	2.7	2.9	3.1	2.8	2.7
Other animal products	1.3	1.2	0.8	0.9	0.9
Agricultural services output	1.8	1.5	1.4	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

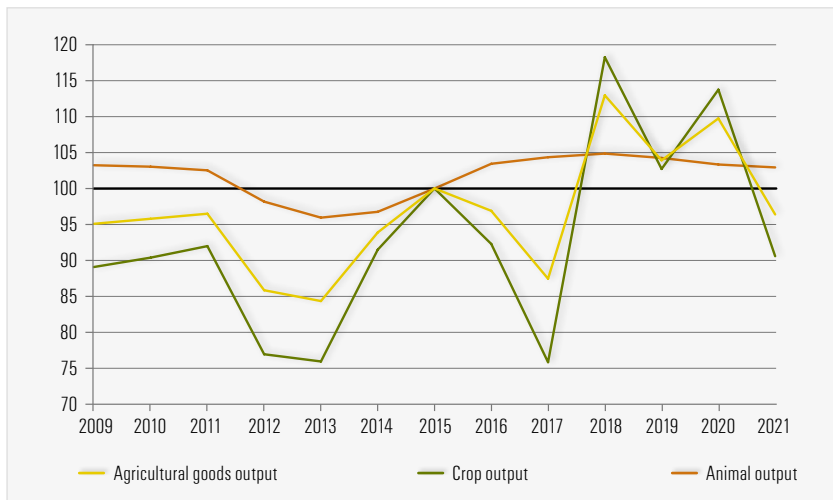
* provisional data

Gross agricultural output volume change (%; change from previous year)					
	Ø 2009-13	Ø 2014-18	2019	2020	2021*
Crop output	-2.5	9.2	-13.1	10.6	-20.2
Cereals	-3.9	5.5	6.3	16.5	-7.6
Oilseeds and oleaginous fruits	2.7	6.4	-12.5	17.6	-6.8
Potatoes	-7.9	3.0	-9.6	35.2	-26.7
Fresh vegetables	-2.7	7.5	18.8	14.3	-12.2
Forage plants	-5.5	7.1	0.0	7.2	-11.9
Fruits	-0.7	11.6	-58.6	31.1	-64.2
Grapes	-5.6	5.3	-18.4	3.3	-19.9
Wine	2.7	5.8	-21.4	-3.0	-19.7
Animal output	-2.0	1.8	-0.5	-0.9	-0.4
Cattle	-0.6	2.3	0.8	-3.5	1.0
Pigs	-13.0	0.7	2.1	-8.8	-0.2
Poultry	-0.6	3.7	1.3	4.2	-2.6
Milk	-0.5	1.1	-1.5	1.7	1.8
Agricultural goods output	-2.3	6.0	-7.9	5.6	-12.1
Agricultural services output	-2.9	-2.3	-0.5	0.0	0.0
AGRICULTURAL OUTPUT	-2.3	5.9	-7.8	5.5	-12.0

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 2009-13	Ø 2014-18	2019	2020	2021
Cereals	97,862	98,780	98,624	101,499	102,052
of which: Wheat and spelt	32,498	30,232	26,727	27,286	26,785
Barley	18,315	19,828	21,139	22,207	21,863
Grain maize	39,250	37,566	38,883	39,829	41,402
Rapeseed	5,154	3,436	3,245	3,306	2,806
Pumpkins for oil	4,826	4,488	3,284	4,169	4,491
Hops	1,370	1,489	1,616	1,489	1,535
Potatoes	3,726	3,212	2,796	2,969	2,734
Vegetables	4,068	5,252	6,425	6,983	6,223
Green fodder from arable land	62,806	62,247	63,218	65,703	66,645
of which: Green maize	27,082	29,185	30,151	30,629	29,664
Fodder from permanent grassland	274,851	278,246	277,755	279,588	275,601
Fruits*	9,377	10,340	10,765	12,131	12,157
of which: Intensive orchards	4,019	4,054	4,272	4,347	4,367
of which: Apples	2,713	2,422	2,267	2,164	2,093
Wine grapes	16,245	15,799	15,549	15,265	14,874
Olives	902	1,158	1,374	1,417	1,489

Source: SORS (Crop Production), calculated by AIS

* including strawberries

Crop production (t)					
	Ø 2009-13	Ø 2014-18	2019	2020	2021
Cereals	548,647	610,931	641,739	749,691	700,546
of which: Wheat and spelt	154,052	151,266	139,811	158,182	154,451
Barley	76,866	92,103	102,480	122,177	119,132
Grain maize	293,348	331,634	360,357	429,846	388,830
Rapeseed	14,224	9,754	9,452	8,521	6,905
Pumpkins for oil	2,907	3,012	1,973	2,775	2,495
Hops	1,892	2,410	2,572	2,723	2,186
Potatoes	88,444	84,551	65,958	89,879	64,042
Vegetables	72,635	96,837	120,120	135,243	114,954
Green fodder from arable land	1,312,310	1,582,588	1,631,087	1,780,209	1,514,519
of which: Green maize	1,088,434	1,355,513	1,393,671	1,524,290	1,272,060
Fodder from permanent grassland	1,417,316	1,549,071	1,620,189	1,714,683	1,522,872
Fruits*	132,059	122,534	89,023	113,807	34,413
of which: Intensive orchards	87,036	75,015	69,050	82,419	29,011
of which: Apples	71,223	59,564	54,272	66,124	23,011
Wine grapes	107,058	104,590	105,035	103,637	84,159
Olives	1,528	1,939	1,976	3,098	915

Source: SORS (Crop Production), calculated by AIS

* including strawberries

Number of livestock (on December 1 st)					
	Ø 2009-13	Ø 2014-18	2019	2020	2021
Cattle	465,194	479,493	483,068	485,608	482,619
of which: Cows	170,296	168,901	165,935	166,949	165,446
of which: Dairy cows	110,446	108,011	100,839	99,213	100,919
Pigs	348,516	266,963	240,138	229,483	215,713
of which: Breeding sows	22,480	15,530	12,908	11,707	10,971
Sheep and goats	148,226	136,613	134,617	139,414	144,951
of which: Breeding ewes/goats	102,043	94,641	93,750	95,652	100,626

Source: SORS (Animal Production), calculated by AIS

Livestock production (t)					
	Ø 2009-13	Ø 2014-18	2019	2020	2021*
Beef & veal (live weight gain)	77,080	79,020	82,100	80,000	84,300
Pigmeat (live weight gain)	48,140	36,600	38,100	34,800	37,400
Poultrymeat (live weight gain)	83,680	89,900	98,100	102,200	101,100
Sheep and goatmeat (live weight gain)	3,497	3,445	3,380	3,592	3,800
Milk	611,290	636,985	625,637	633,203	643,310
of which: Cows milk	609,496	634,968	623,016	630,647	640,292
Eggs (mill. pieces)	353.4	385.7	419.9	391.0	415.1
Honey	1,897	1,273	653	1,293	195

Source: SORS (Animal Production), calculated by AIS

* provisional data

Average yields					
	Ø 2009-13	Ø 2014-18	2019	2020	2021
Wheat and spelt (t/ha)	4.7	5.0	5.2	5.8	5.8
Grain maize (t/ha)	7.5	8.8	9.3	10.8	9.4
Rapeseed (t/ha)	2.8	2.7	2.9	2.6	2.5
Potatoes (t/ha)	23.6	26.3	23.6	30.3	23.4
Dessert apples (t/ha)	26.2	24.5	23.9	30.6	11.0
Cows milk (kg/cow)*	5,518	5,884	6,178	6,356	6,345
Eggs (pieces/laying hen)*	256	238	233	253	242

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

* 2021: provisional data

Supply balances of agricultural products

Human consumption of selected agricultural products per capita (kg; calendar year)					
	Ø 2009-13	Ø 2014-18	2019	2020	2021*
Cereals (without rice)**	85	90	89	86	85
of which: Wheat	70	76	74	73	73
Potatoes	66	67	62	64	63
of which: Fresh potatoes	47	46	40	44	39
Vegetables	97	111	118	118	116
of which: Fresh vegetables	72	82	85	90	85
Fruits	131	132	128	129	109
of which: Fresh fruits	74	79	75	83	58
Wine*** (l)	38	37	35	35	:
Meat (with offal)****	90	91	91	88	89
of which: Beef and veal	20	20	20	20	21
Pigmeat	39	38	37	33	33
Poultrymeat	27	30	31	32	31
Milk, total*****	223	215	214	206	204
Eggs	10	11	12	10	11

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

* provisional data

** in flour equivalent

*** marketing year

**** carcass weight equivalent

***** raw milk equivalent

Self-sufficiency in selected agricultural products (%; calendar year)					
	Ø 2009-13	Ø 2014-18	2019	2020	2021*
Cereals (without rice)	62	71	75	88	85
Wheat	53	50	47	57	58
Maize	67	86	96	114	111
Potatoes (fresh and processed, without starch)	58	56	47	60	44
Vegetables (fresh and processed)	34	40	43	48	44
Fruits (fresh and processed)	42	37	30	36	14
Wine**	95	94	98	95	:
Meat (with offal)	83	78	81	84	85
Beef and veal	107	107	103	107	110
Pigmeat	49	37	40	40	43
Poultrymeat	112	108	111	111	112
Milk, total	117	128	127	133	136
Eggs	93	93	95	95	97

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

* provisional data

** marketing year

Agricultural prices

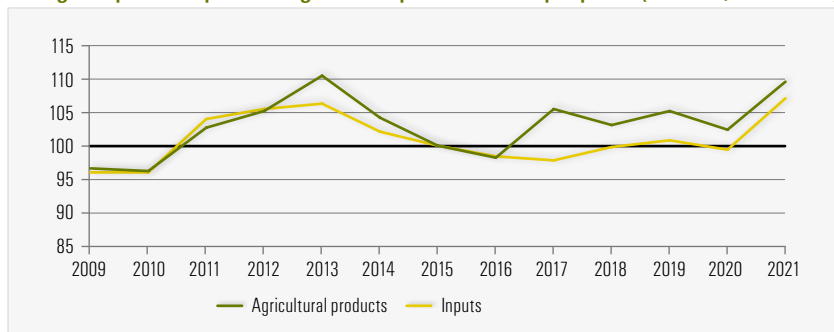
Average producer prices for selected agricultural products (EUR/kg)								
	2014	2015	2016	2017	2018	2019	2020	2021
Wheat (without seed)	0.169	0.168	0.134	0.154	0.159	0.163	0.148	0.188
Grain maize (without seed)	0.125	0.132	0.131	0.141	0.147	0.124	0.125	0.208
Rapeseed	0.307	0.364	0.327	0.320	0.306	0.316	0.323	0.455
Potatoes (without seed)	0.210	0.186	0.233	0.232	0.233	0.352	0.287	0.355
Dessert apples	0.410	0.461	0.495	0.629	0.391	0.490	0.561	0.658
Wine (EUR/l)	2.137	2.599	2.672	2.696	2.793	2.849	2.788	2.951
Bulls (live weight)	1.802	1.810	1.759	1.822	1.857	1.828	1.737	1.911
Pigs for slaughter (live weight)	1.317	1.240	1.223	1.322	1.265	1.460	1.431	1.314
Poultry for slaughter (live weight)	1.106	1.076	1.057	0.994	0.997	1.028	0.885	0.905
Cows milk	0.345	0.282	0.250	0.301	0.300	0.321	0.309	0.321
Eggs for consumption (EUR/egg)	0.109	0.106	0.105	0.104	0.105	0.108	0.109	0.109

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

Agricultural price changes (%; nominal; change from previous year)					
	Ø 2009-13	Ø 2014-18	2019	2020	2021
Agricultural products. total	1.4	-0.8	3.7	-2.7	9.1
Crop products	0.8	-0.2	3.1	1.1	15.1
Animals and livestock products	1.6	-1.2	4.1	-5.1	5.2
Agricultural inputs. total	2.4	-0.7	2.7	-1.4	9.8
Consumer goods and services	2.3	-1.8	2.4	-3.0	12.3
Investment goods and services	2.6	1.9	3.2	2.0	4.7
Terms of trade (agricultural products / inputs)	-1.0	-0.1	1.1	-1.4	-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

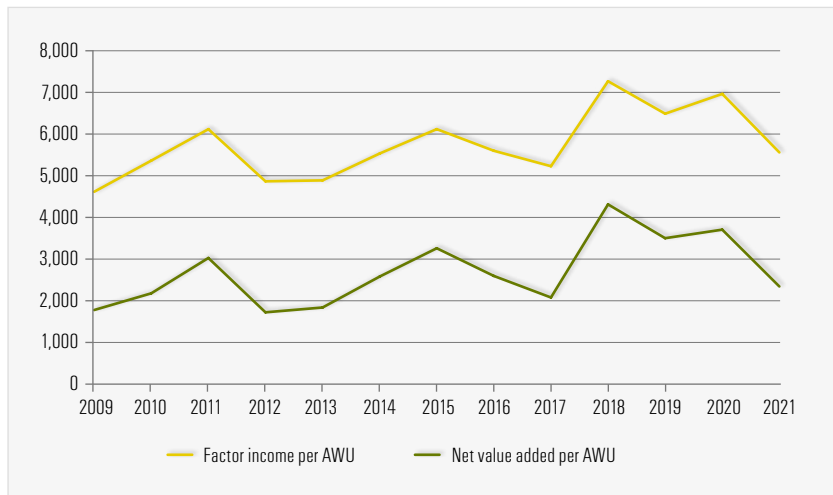
Main aggregates of economic accounts for agriculture at basic prices (mill. EUR)*					
	Ø 2009-13	Ø 2014-18	2019	2020	2021**
Total output	1,135.5	1,243.3	1,324.9	1,356.3	1,329.5
Intermediate consumption	727.7	741.5	764.8	775.5	854.4
Gross value added	407.7	501.9	560.1	580.8	475.1
Fixed capital consumption	245.2	260.7	270.3	275.2	279.3
Net value added	162.5	241.1	289.8	305.6	195.8
Other subsidies on production	242.8	247.7	251.9	271.6	271.6
Other taxes on production	6.4	5.7	5.0	3.3	3.4
Factor income	398.9	483.1	536.7	573.9	464.0
Agricultural labour (000 AWU)	79.7	80.0	77.3	76.1	75.9
Factor income per AWU (EUR)	5,010	6,048	6,943	7,541	6,112

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 2009-13	Ø 2014-18	2019	2020	2021
Market and direct producer support measures	167.2	165.0	161.6	178.3	189.2
Market support	2.8	1.1	1.3	1.2	1.3
Direct payments to producers	139.9	134.8	134.3	133.6	132.3
Variable input subsidies	20.5	23.0	25.4	25.3	25.9
Disaster payments and other compensations to producers	3.9	6.1	0.6	18.2	29.8
Structural and rural developments measures	165.2	137.0	172.4	168.9	165.9
Improving the competitiveness of agriculture and related sectors	53.0	42.0	68.8	60.0	54.1
On farm investment and restructuring support	28.7	28.9	49.4	38.6	33.0
Agricultural infrastructure	5.1	5.2	7.6	9.7	11.3
Producer groups, processing, marketing and promotion	19.3	7.8	11.9	11.7	9.8
Providing ecosystem services	85.6	82.1	92.3	92.9	92.6
Payments to farmers in areas with natural constraints	46.7	41.9	45.4	44.5	43.0
Agri-environmental-climate payments	32.1	28.3	30.6	30.9	30.8
Organic farming payment	6.8	9.0	9.6	10.0	10.3
Animal welfare payments to farmers	0.0	3.0	6.7	6.9	7.3
Other ecosystem related payments	-	-	0.0	0.6	1.3
Supporting rural economy and population	26.6	12.9	11.3	16.0	19.2
General measures related to agriculture	41.2	38.3	42.7	43.9	46.9
Research, development, advisory and expert services	22.3	19.2	21.6	23.1	24.1
Food safety and quality control	15.0	13.9	16.2	15.8	17.6
Other general support	3.9	5.3	4.9	4.9	5.1
TOTAL BUDGETARY SUPPORT TO AGRICULTURE	373.7	340.4	376.7	391.1	402.0

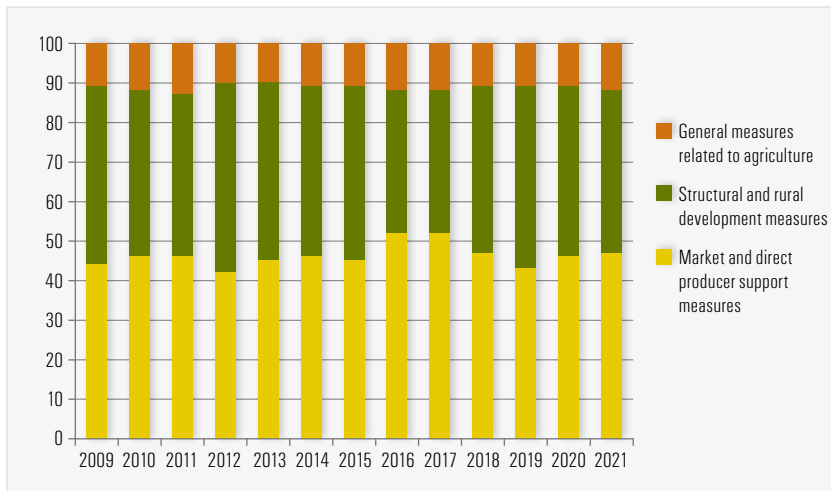
Source: MAFF, AKTRP, calculated by AIS

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

	Ø 2009-13	Ø 2014-18	2019	2020	2021
Market and direct producer support measures	63	83	84	76	71
Structural and rural developments measures	78	75	75	75	73
General measures related to agriculture	7	11	13	11	11
TOTAL BUDGETARY SUPPORT TO AGRICULTURE	63	72	72	68	65

Source: MAFF, AKTRP, calculated by AIS

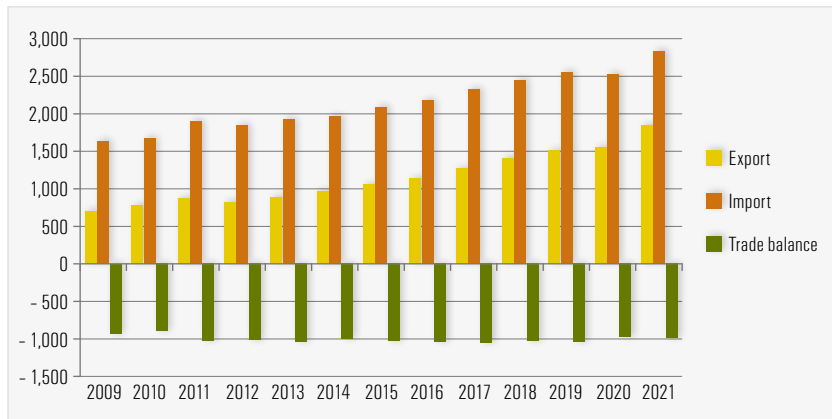
Breakdown of budgetary support to agriculture by main group of measures (%; calendar year)



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; 2021: provisional data

Composition of agri-food trade by main commodity groups (%)*					
	Ø 2009–13	Ø 2014–18	2019	2020	2021
Export (mill. EUR)	816	1,170	1,514	1,558	1,847
Miscellaneous edible preparations (CN 21) (%)	10.2	13.0	15.9	15.4	15.4
Meat and meat preparations (CN 02 and CN 16) (%)	15.3	15.4	15.4	14.3	13.6
Dairy produce, eggs, natural honey (CN 04) (%)	15.3	13.2	11.7	11.7	10.8
Beverages, spirits and vinegar (CN 22) (%)	10.1	9.9	9.3	9.3	10.0
Residues, waste from the food industries, fodder (CN 23) (%)	11.3	11.0	8.6	10.0	9.7
Edible fruits and vegetables (CN 08 and CN 07) (%)	6.6	7.8	8.1	8.9	7.4
Other (%)	31.3	29.7	31.1	30.5	33.1
Import (mill. EUR)	1,802	2,207	2,562	2,535	2,842
Edible fruits and vegetables (CN 08 and CN 07) (%)	13.4	14.0	14.3	14.9	13.1
Meat and meat preparations (CN 02 and CN 16) (%)	12.8	13.3	13.2	11.9	11.3
Residues, waste from the food industries, fodder (CN 23) (%)	8.4	10.2	9.1	9.9	10.4
Miscellaneous edible preparations (CN 21) (%)	7.4	7.5	7.8	8.0	7.7
Preparations of cereals, flour or starch (CN 19) (%)	6.7	7.1	7.2	7.5	7.4
Beverages, spirits and vinegar (CN 22) (%)	5.8	6.5	6.8	6.6	6.9
Dairy produce, eggs, natural honey (CN 04) (%)	7.2	7.3	7.0	7.1	6.9
Other (%)	38.3	34.1	34.7	34.1	36.4

Source: SORS (External Trade), calculated by AIS

* commodity groups 01–24 of Combined Nomenclature (CN) of European Union; 2021: provisional data

Composition of agri-food trade by main trading partners (%)*					
	Ø 2009-13	Ø 2014-18	2019	2020	2021
Export (mill. EUR)	816	1.170	1.514	1.558	1.847
Croatia (%)	10,0	19,9	22,2	21,1	20,9
Italy (%)	28,7	21,8	19,1	18,4	19,4
Austria (%)	9,8	9,7	9,1	9,1	9,1
Hungary (%)	7,9	5,3	4,4	5,4	5,9
Germany (%)	3,8	4,4	5,6	6,0	5,5
Bosnia-Herzegovina (%)	8,3	6,2	5,7	5,0	5,0
Other (%)	31,6	32,7	34,0	35,0	34,3
Import (mill. EUR)	1.802	2.207	2.562	2.535	2.842
Italy (%)	16,3	15,8	15,0	14,6	15,0
Croatia (%)	6,1	11,6	13,1	13,4	14,2
Germany (%)	13,5	13,8	12,5	12,6	12,5
Austria (%)	18,6	14,3	13,2	12,3	10,9
Brazil (%)	4,4	6,5	5,2	5,9	6,5
Hungary (%)	8,5	6,8	6,7	6,2	5,9
Netherlands (%)	5,7	5,5	5,7	5,5	5,5
Other (%)	26,9	25,7	28,8	29,5	29,5

Source: SORS (External Trade), calculated by AIS

* commodity groups 01–24 of Combined Nomenclature (CN) of European Union; 2021: provisional data



Agricultural Institute of Slovenia

SLOVENIAN AGRICULTURE IN NUMBERS

www.kis.si