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Kosovo Agriculture in Numbers

2021



Introduction

Providing consistent statistics in order to serve as a tool for policy making, development strategies and various researches or studies is our priority, therefore Department of Economic Analysis and Agricultural Statistics (DEAAS) is committed in providing access to current, reliable and on time data necessary for determining the direction of a sector as stable as possible.

Cooperation with relevant institutions that are responsible for the preparation of official statistics, processing and presentation of statistics in accordance with the requirements of MAFRD is one of the main activities in the mandate of DEAAS, supporting the drafting of reports, analysis, sectoral programs and strategies and other documents. The publication "Kosovo Agriculture in Numbers" prepared by DEAAS, provides quick and easy access to numbers and figures that represent a multidimensional overview of the state of agriculture in Kosovo starting from general statistics which include data on Gross Domestic Product, population, unemployment rate, data on key agricultural statistics in Kosovo, Gross Value Added, share of agriculture in GDP, agricultural exports / imports and its share in total exports / imports and trade balance, data for use of land divided according to use classes, data on farm size according to the number of agricultural holdings and arable land area. The publication also presents data on economic accounts which include agricultural industry products and other key components of economic accounts, data on prices of inputs and agricultural products, data on FADN - Farm Accounting Data Network, data on agricultural and livestock production which include crop production, wine production, organic production, planting material, livestock as well as some indicators from the supply balances. Other data presented are data on trade in agricultural products broken down by groups of main agricultural products and by countries, data on agro credits and data on support of the agricultural sector and rural development (direct payments and development measures).

Responsible for the preparation of this publication is the DEAAS, while the source of information in the publication are the organizational units of MAFRD, the Agency for Agricultural Development (ADA) and the Kosovo Agency of Statistics (KAS).

Overview

In 2020, the value of **Gross Domestic Product** at current prices was € 6,772 mil., resulting in GDP per capita in the amount of € 3,772. The unemployment rate at the national level was 25.9%. In 2020, Agriculture, hunting, forestry and fishery contributed by 7.4% to the total Gross Domestic Product.

In 2020, the total **used surface of agricultural land** was 420,210 ha with a % of distribution as follows: Meadows and pastures (including common land) with a share of 52%, Arable land 43%, Vegetables (in open field and in greenhouses as the first crop), gardens and nurseries 2%, Tree plantations 2% and Vineyard plantations 1%.

Regarding the **size of the farm** taking into account the arable land area, 35% of the area is in farms with size from 5 to less than 10 ha, 21% of the area in farms from 2 to less than 5 ha, 16% of the area in farms with size from 1 to less than 2 ha and the rest of the area is in other sizes. Regarding the number of farms, 91% of them have an area of less than 5 ha, while these farms, in terms of area, cover 46% of the total area of arable land.

In 2020, the **value of agricultural industry products** was € 828.4 mil., of which € 477.4 mil. was the value of plant products, € 302.1 mil. was the value of livestock products, € 30.0 mil. was the value of agricultural services and € 18.9 mil. was the value of other secondary non-agricultural (indivisible) activities. The value of crop and livestock products has increased consistently since 2018. The 2020 is characterized by the highest value of crop and livestock products during 2016-2020. If compared to the previous year, it turns out that crop products increased by 8% and livestock products by 3%.

The value of production of the agricultural industry in 2020 was the highest during the period of 2016-2020, and compared to the previous year, marked an increase by 6%. In terms of intermediate consumption, in 2020, marked an increase by only 4%.

In 2020, the gross value added, which represents the difference between the value of production of the agricultural industry and the value of intermediate consumption, was € 512 mil., where compared to the previous year marked an increase of 7%. In 2020, gross value added was equal to 62% of production value. The highest value of income in agriculture took place in 2020 where entrepreneurial income was 9% higher compared to the previous year. The gross value added and net value added increased by 7% and 9% respectively.

In 2020, the annual **input price** index has decreased by 3.2% for Input 1 (Goods and services currently consumed in agriculture) compared to the same period of 2019, while the index for Input 2 (Goods and services contributing to agricultural investment) marked an increase by 1.5%. In 2020, the total input price index (Input 1 + Input 2) decreased by 1% compared to 2019. According to the price categories of agricultural inputs, in 2020, the subcategory "Composite food" within the category "Animal feed" marked the highest increase by 11% and "Lubricants" within the category "Energy: Lubricants" by 7%, compared to 2019. In 2020, "Fuels" within the category "Energy: Lubricants" marked the most significant price decrease by 18% and "Plant protection products and pesticides" by 3%. As for the price of electricity, there has been no change at all since 2019, while the price of oil has decreased by 19%.

In 2020, the **prices of agricultural products at the farm level** for animal products increased compared to 2019, including honey, while in terms of plant products' prices, some increased and some decreased.

The highest price increase took place in plums (within the group of fruits), watermelon, cabbage, beans (in vegetables) and wheat (in cereals), while a decrease in prices of 11 to 43% was marked in corn, tomatoes, peppers, onions, apples and pears depending on the crop.

In 2020, in terms of **agricultural production**, almost all categories have had an increase in production starting from cereals which have increased by 15.2%, fruits 7.4%, vineyards 36.3%, industrial crops over 100%, except vegetables where production has decreased by 3.3%. The **cattle fund** has increased by 1.4%, as the most important category within livestock, which constitutes 47.5% of the total livestock heads. In terms of sheep and goats by number, this category accounts for 43.9% of the total number of animals in 2020. The number of sheep and goats in 2020 was 241,688 heads or 11.7% higher than in 2019. According to the categories, in 2020, the number of sheep increased by 12.2% while the number of goats by 8.7%. The pig sector, although less developed compared to other sectors, has increased by 12%, while the number of horses, donkeys and mules has, in 2020, decreased by 233 heads. The total number of poultry in Kosovo has increased by 4.4%, from the number of poultry, 94.8% are chickens while the remaining 5.2% are bibs, ducks, geese and other poultry. Total egg production is 366 mil. piece. In 2020, the number of beehives has increased by 19.4%, while honey production was much lower than in 2019, as a result of unfavourable atmospheric conditions that were in 2020, which affected the production to be quite low.

Consumption of agricultural products has not changed much in recent years, and our country imports agricultural products in order to meet the general needs for consumption. The amount of import depends on local production for the respective year and this is reflected in the **self-sufficiency rate for agricultural products** which for some of the most cultivated agricultural products in 2020 was as follows: Cereals (Wheat 73% and Corn 75%), Vegetables (Tomatoes 57%, Peppers 87%, Potatoes 106%) and Vineyards (Apples 78%, Plums 95%, Strawberries 78%, Table Grapes 71%). In the livestock sector, beef production has a self-sufficiency rate of 52%, cow milk 80%, sheep and goat meat 100%, eggs 99% and chicken meat 7%.

In 2020, **trade in agricultural products** increased by 2%, with exports increasing by 19% and imports by 1%. Exports of agricultural products had a value of € 78.1 mil. or 16.4% share in total exports while imports amounted to € 765.4 mil. or 23.2% share in total imports. Import-export coverage increased to 10.2% from 8.6% in 2019 and the trade deficit was reduced by 1%. In 2020, most or 52.7% of exported agricultural products took place in CEFTA countries, 39.5% in EU countries and the remaining 7.8% in other countries. Unlike exports, most of the imported products or 53.7% are from EU countries, followed by CEFTA countries with 24.0% and other countries with 22.3%.

In 2020, the total amount of **agro-loans** disbursed is € 83.2 mil. or 27.7% lower compared to the previous year, the number of loans to Banks and MFIs increased by 6.2% while the interest rate decreased at banks from 9.1% (2019) to 8.5% (2020) while at MFIs from 22.5% to 20.5%. The share of agro-loans in ratio to commercial loans is decreasing every year, now their share is only 2.2%.

In 2020, the support of the agricultural sector has continued based on two programs designed: the **Direct Payments Program and the Rural Development Program**. Considering that in 2020 our country as well as any other country faced the Covid-19 pandemic, the measure 4A (as a special measure under the Economic Recovery Program) has been implemented to double the budget for the Direct Payments Program only for 2020, compared to the values of 2019, and this measure had a budget in the amount of € 24 mil.

In 2020, the total support through **direct payments** was € 67.1 mil. Compared to the previous year, the support has more than doubled and this has happened due to the doubling of direct payments per unit within the ERP, and also due to having an increase in subsidized units in some supported sectors. The total number of applicant farmers in 2020 was 30,702, of which 28,489 were

beneficiary farmers (93%) and 2,213 were rejected (7%). In 2020, the largest amount of subsidies was allocated to wheat (21%), followed by dairy cows (14%), corn (13%), bees (10%), vineyards (9%) and the remaining 33% to other crops and sectors.

The budget planned under the **Rural Development Program** for 2020-2021 was € 29.4 mil. The amount of funds approved in 2020 was € 12.6 mil. of which 56.5% of assets were under Measure 101 (Investments in physical assets of agricultural holdings), 29.2% under Measure 103 (Investments in physical assets concerning processing and marketing of agricultural products), 13.0% under Measure 302 (Farm diversification and rural business development) and 1.3% under Measure "Irrigation of Agricultural lands".

General Statistics

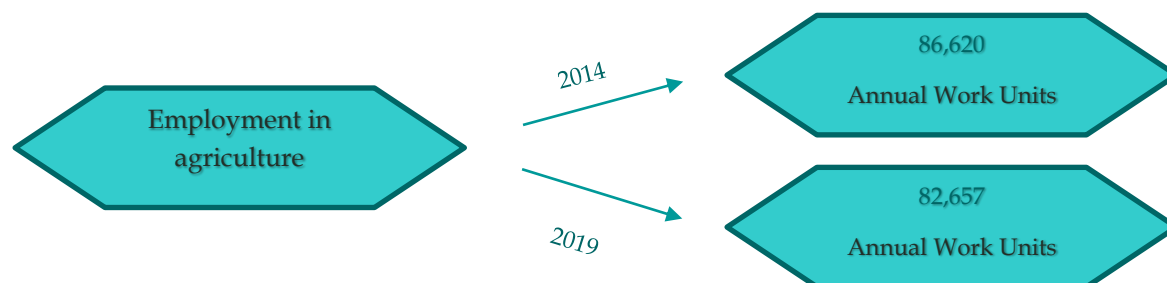
General statistics for Kosovo					
	2016	2017	2018	2019	2020
Gross Domestic Product at current prices (mil. €)	6,037	6,356	6,672	7,056	6,772
GDP per capita (€)	3,368	3,534	3,715	3,959	3,772
Kosovo population (estimation)	1,783,531	1,798,506	1,795,666	1,782,115	1,798,188
Unemployment rate (%)	27.5	30.5	29.6	25.7	25.9

Source: KAS

Key statistics for Kosovo agriculture

Agriculture in economy						
	Ø 2010-2015	2016	2017	2018	2019	2020
Agriculture, hunting, forestry and fishing - Gross Value Added at current prices (GVA), (mil. €)	402.3	493.3	470.9	435.7	510.8	498.5
Participation of agriculture in GDP (%)	12.1	8.2	7.4	6.5	7.2	7.4
Agricultural exports (mil. €)	33.0	45.2	61.3	64.0	65.5	78.1
Share of agricultural exports in total exports (%)	10.8	14.6	16.2	17.4	17.1	16.4
Agricultural imports (mil. €)	574.6	658.7	694.5	712.3	759.4	765.4
Share of agricultural imports in total imports (%)	23.2	23.6	22.8	21.3	21.7	23.2
Trade balance for agricultural products (mil. €)	-541.6	-613.5	-633.2	-648.4	-693.8	-687.3

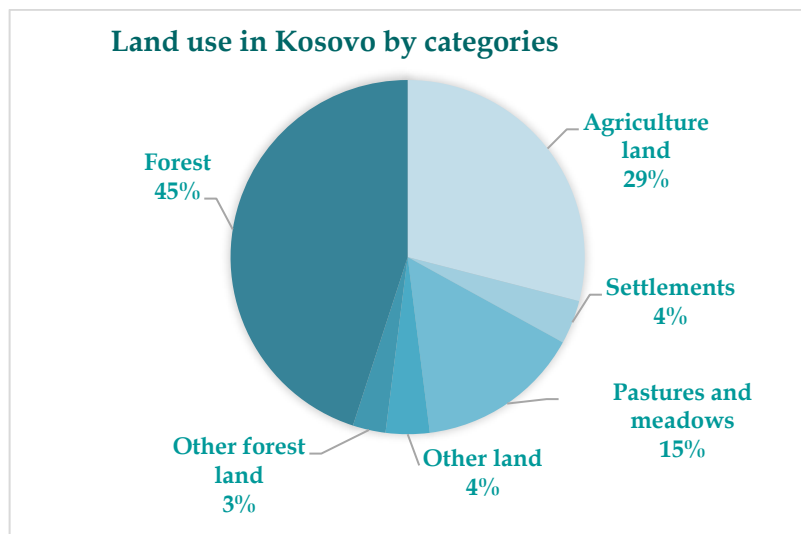
Source: KAS



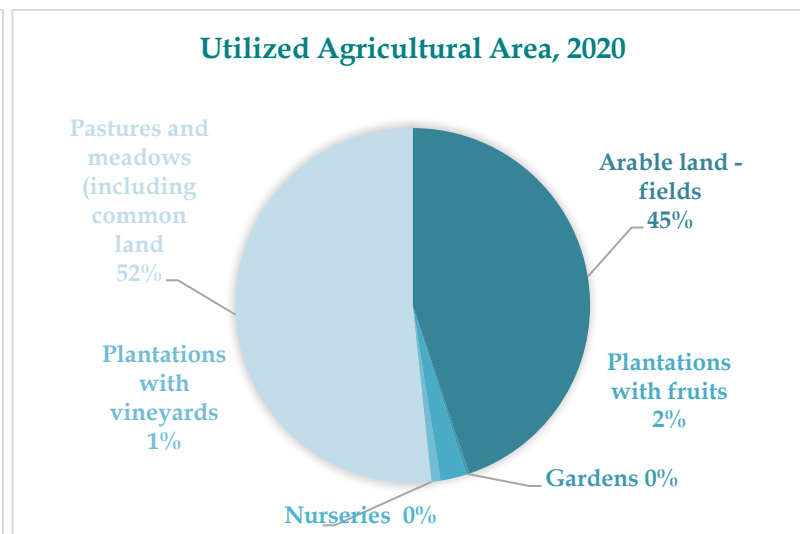
Land Use

Agricultural land use					
	2016	2017	2018	2019	2020
Arable land – fields	187,223	186,954	188,359	188,365	188,372
- of which with vegetables in the open field (first crop)	7,864	8,033	7,818	8,319	8,435
- of which with vegetables in greenhouses (first crop)	457	467	468	518	547
Gardens	994	1,199	1,003	1,122	1,133
Plantations of fruit	5,493	6,247	7,687	9,244	10,029
Plantations of vineyards	3,112	3,199	3,272	3,367	3,437
Nurseries	196	159	109	111	137
Meadows and pastures (including common land)	218,808	218,314	218,152	217,932	217,102
Total utilized agricultural land	415,826	416,072	418,582	420,141	420,210

Source: KAS – Agricultural household survey '16,'17,'18,'19,'20



Source: National Forest Inventory, NFI, 2012



Source: KAS – Agricultural household survey, 2020

Farm size

Farm size	Number of agricultural holdings					Arable land area (ha)				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
0 ≤ 0.5	33,312	39,251	31,648	32,020	31,290	5,677	5,976	5,801	5,929	6,453
0.5 ≤ 1	22,340	18,543	19,508	18,355	17,560	14,603	12,584	12,718	12,065	11,999
1 ≤ 2	25,086	22,323	24,522	23,022	22,560	33,384	29,898	32,096	30,123	29,005
2 ≤ 5	21,792	20,460	21,359	24,231	23,383	64,877	59,696	63,042	65,202	38,665
5 ≤ 10	4,531	5,712	5,719	6,013	7,063	29,498	37,458	38,085	39,533	64,819
10 ≤ 20	1,253	1,331	1,342	1,203	1,429	16,258	17,219	17,347	16,013	16,800
20 ≤ 30	223	226	240	245	240	5,300	5,332	5,717	5,146	5,255
≥ 30	263	263	194	200	198	16,109	16,967	12,201	13,016	13,393
Total	108,800	108,108	104,532	105,289	103,723	185,705	185,130	187,007	187,026	186,389

Source: KAS – Agricultural household survey: '16, '17, '18, '19, '20

* AH of northern municipalities are not included

Economics Account

Production of agricultural industry at current prices, mil. €					
	2016	2017	2018	2019	2020
Crop output	412.3	402.5	388.3	441.0	477.4
Cereals	103.7	83.3	84.8	96.8	116.1
Forage plants	87.5	107.6	106.5	113.9	121
Vegetable and garden products	122.2	120.3	98.6	123.1	109.1
Potatoes	30.5	36.7	27.8	24.3	27.1
Fruits	63.7	50.1	66.5	78.6	99.9
Other crop output	4.3	4.3	4	4.2	4.1
Livestock	160.5	157.4	140.3	164.7	164.6
Cattle	91.3	93.4	73.7	91.0	67.8
Sheep and goats	19.4	20.4	21	23.3	27.2
Pigs	16.1	13.4	16.5	13.8	18.4

Poultry	22.9	19	15.3	17.4	24
Other animals	10.9	11.2	14.2	19.1	27.2
Livestock products	137.5	141	132	129.3	137.9
Milk	108.6	109.8	103.2	101.3	107.7
Eggs	28.9	31.2	28.2	28.0	30.1
Other livestock products	0.1	0.1	0.1	0.1	0.1

Source: KAS – Economic Accounts for Agriculture: '16,'17,'18,'19,'20

Main aggregates of economic accounts for agriculture at basic prices, mil. €					
	2016	2017	2018	2019	2020
Production of agricultural industry	741.9	734.4	704.7	782.3	828.4
Intermediate consumption	256.9	270.6	302.0	305.4	316.3
Gross value added	485.0	463.8	402.7	476.9	512.1
Consumption of fixed capital	102.4	105.4	108.2	116.7	121.0
Net value added	382.5	358.3	294.4	360.3	391.1
Other subsidies on production	1.0	0.1	2.1	0.3	0.2
Factor income	383.5	358.4	296.5	360.6	391.1
Entrepreneurial income	375.0	349.1	280.5	343.5	376.0

Source: KAS - Economic Accounts for Agriculture: '16,'17,'18,'19,'20

Prices of Inputs and Agricultural Products

Agricultural input price index					
	2016	2017	2018	2019	2020
Goods and services currently consumed in agriculture (Input 1)	98.1	95.4	94	95.8	92.7
Seeds and planting stocks	98.9	87.2	78.1	83.7	84.2
Energy; lubricants	93.7	100.9	106.5	106.3	92.0
Fertilizers and soil improvers	97.6	89.5	85.9	88.5	87.3
Plant protection products and pesticides	104.2	103.8	105.4	106.3	103.5
Veterinary expenses	98.7	98.0	97.5	99.3	98.0
Animal feeding stuffs	109.5	103.7	103.2	107.6	110.1
Maintenance of materials	100.1	99.9	99.8	99.5	99.2
Maintenance of buildings	98.2	98.8	98.6	99.3	101.5
Other goods and services	100.0	100.8	100.9	101.4	101.3
Goods and services contributing to agricultural investment (input 2)	102.5	103.5	102.6	109.9	111.5
Tractors	106.9	107.7	105.2	119.0	120.8
Other	98.5	99.8	100.3	101.8	103.3
Input total (Input 1 + Input 2)	100.1	99	97.8	102.1	101.1

Source: KAS - Input Price Index and Prices in Agriculture 2016-2020 (2015=100), compiled by DEAAS - MAFRD

Annual prices for electricity and diesel oil, €					
	2016	2017	2018	2019	2020
Electricity – price per 100 kwh	6.1	6.4	5.8	5.6	5.6
Diesel oil - price per 100 liters	93.5	102.1	112.7	114.9	92.6

Source: KAS - Input Price Index and Prices in Agriculture 2016-2020

Prices of Agricultural Products

Annual average farm-gate prices, €/kg					
	2016	2017	2018	2019	2020
Wheat	0.27	0.21	0.23	0.18	0.19
Maize	0.11	0.13	0.16	0.14	0.08
Tomato	0.64	0.54	0.62	0.57	0.33
Beans	2.45	2.29	2.27	2.03	2.31
Pumpkin *	0.78	0.94	0.90	0.81	0.24
Stella blue squash *	0.68	0.71	0.84	0.81	0.22
Cabbage	0.19	0.19	0.40	0.19	0.23
Potato	0.32	0.30	0.33	0.28	0.28
Onion	0.24	0.32	0.37	0.46	0.37
Watermelon	0.18	0.10	0.23	0.19	0.23
Pepper	1.12	0.59	0.91	0.76	0.54
Spinach	0.95	0.71	0.94	0.94	0.91
Cucumber	0.55	0.42	0.46	0.48	0.43
Walnut	2.32	2.64	2.72	2.16	2.06
Pear	0.62	0.80	0.79	0.81	0.72
Strawberry	0.88	1.08	1.03	1.12	1.15
Plum	0.48	0.70	0.73	0.51	0.68
Raspberry	2.90	2.94	1.67	1.77	1.73
Apple	0.47	0.49	0.40	0.39	0.32
Table grape	0.48	0.74	0.78	0.68	0.65
Bulls and heifers	2.02	1.88	2.14	1.97	2.23
Farm chicken	1.39	1.47	1.80	1.68	1.73
Milk	0.23	0.27	0.25	0.21	0.23
Eggs **	2.55	2.45	2.10	2.07	2.26
Honey	8.80	7.10	9.20	11.85	13.50

Source: DEAAS - MAFRD; *2016-2019 €/pcs, 2020 €/kg, **unit 30 pieces

Annual average consumer prices, €/kg					
	2016	2017	2018	2019	2020
Wheat	0.29	0.26	0.28	0.36	0.38
Maize	0.16	0.18	0.23	0.38	0.22
Tomatoes	0.8	0.71	0.84	0.80	0.77
Beans	2.76	2.56	2.64	2.66	2.60
Pumpkin *	0.94	1.10	1.19	1.16	0.42
Stella blue squash *	1.08	1.38	1.26	1.22	0.45
Cabbage	0.24	0.32	0.59	0.55	0.47
Potato	0.45	0.38	0.43	0.50	0.48
Onion	0.29	0.41	0.47	0.65	0.64
Watermelon	0.26	0.19	0.40	0.30	0.45
Pepper	1.41	0.89	1.17	1.06	1.08
Spinach	1.21	0.84	1.12	1.18	1.07
Cucumber	0.73	0.56	0.61	0.67	0.65
Walnut	2.57	2.92	2.89	2.61	2.56
Pear	0.71	1.24	0.94	1.13	1.35
Strawberry	1	2.02	1.89	1.49	1.97
Plum	0.61	0.9	0.84	0.75	0.79
Raspberry	3.47	3.48	2.6	2.44	2.26
Apple	0.62	0.63	0.53	0.60	0.74
Table grape	0.63	1.1	1.09	0.98	1.09
Bulls and heifers	3.65	3.7	3.8	3.75	3.02
Farm chicken	2.24	2.26	2.37	2.33	2.13
Milk	0.48	0.47	0.49	0.51	0.48
Eggs **	2.79	2.58	2.45	2.50	2.61
Honey	8.58	8.39	7.50	7.40	16.55

Source: DEAAS - MAFRD; *2016-2019 €/pcs, 2020 €/kg, **unit 30 pieces

Annual average import prices, €/kg					
	2016	2017	2018	2019	2020
Wheat	0.27	0.24	0.31	0.38	0.38
Maize	0.17	0.18	0.18	0.25	0.22
Tomatoes	0.93	0.9	0.91	0.97	1.19
Beans	2.19	2.32	2.03	1.97	2.01
Pumpkin *	0.98	0.79	1.18	1.12	0.28
Stella blue squash *	1.15	1.14	1.50	0.90	0.46
Cabbage	0.40	0.33	0.39	0.56	0.64
Potato	1.06	0.77	0.66	0.55	0.84
Onion	0.38	0.36	0.39	0.52	0.61
Watermelon	0.77	1.03	0.96	1.61	0.85
Pepper	1.46	1.28	1.18	1.46	1.50
Spinach	1.48	1.14	1.15	1.49	1.19
Cucumber	1.04	1.06	0.94	1.08	1.21
Walnut	2.05	2.38	2.44	2.4	2.06
Pear	0.94	1.3	1.28	1.34	1.47
Strawberry	3.78	4.33	2.96	2.69	2.94
Plum	3.36	2.92	2.83	3.49	2.34
Raspberry	-	-	-	1.7	-
Apple	0.69	0.68	0.83	0.78	0.82
Table grape	2.14	2.66	2.45	2.66	1.97
Bulls and heifers	2.62	2.77	2.90	3.05	2.87
Farm chicken	2.20	1.90	2.60	2.35	2.21
Eggs **	1.90	2.25	2.10	2.35	2.15
Honey	7.90	8.85	8.60	7.85	8.60

Source: DEAAS - MAFRD; *2016-2019 €/pcs, 2020 €/kg, **unit 30 pieces

FADN - Farm Accountancy Data Network

Type and economic size of farm			
No	Type of farm	No	Economic size (SO in €)
1	Specialist field crops	1	2,000 - < 4,000
2	Specialist horticulture (greenhouses)	2	4,000 - < 8,000
3	Specialist permanent crops	3	8,000 - < 25,000
4	Specialist grazing livestock	4	25,000 - < 50,000
5	Specialist granivores	5	50,000 - < 100,000
6	Mixed crops	6	100,000 - < 500,000
7	Mixed livestock	7	≥ 500,000
8	Mixed crops and livestock		

Source: FADN, DEAAS – MAFRD

FADN standard results at country level					
Variable	Unit	2016	2017	2018	2019
Utilized agricultural area (SE025)	ha	4.20	3.92	3.50	3.52
Livestock units (SE080)	LU*	3.07	2.83	2.87	2.98
Paid labor input (SE020)	AWU**	0.06	0.08	0.09	0.12
Unpaid labor input (SE015)	AWU	0.92	0.97	1.30	1.70
Total output (SE131)	€	8,847.00	7,834.00	7,773.00	9,712.06
Total output crops and crop production (SE135)	€	3,767.98	3,602.64	3,002.56	3,155.64
Total output livestock and livestock products (SE206)	€	4,938.81	4,073.53	4,260.09	5,001.41
Other output (SE256)	€	140.05	157.97	510.30	1,555.00
Total inputs (SE270)	€	6,623.82	5,732.28	6,342.08	7,633.00
Intermediate consumption (SE275)	€	5,272.45	4,597.57	4,771.94	5,810.29
Farm net value added/ AWU (SE425)	€/ AWU	3,053.34	2,702.21	1,551.94	1,608.38

Source: FADN, DEAAS – MAFRD

*LU - livestock unit, **AWU - annual working unit

FADN standard results by economic size ('000), 2019							
Variable	Unit	2≤4	4≤8	8≤25	25≤50	50≤100	≥100
Utilized agricultural area (SE025)	ha	1.72	3.02	5.41	9.48	11.01	28.45
Livestock units (SE080)	LU	1.2	2.06	4.45	9.95	7.79	77.16
Paid labor input (SE020)	AWU	0.02	0.06	0.21	0.41	1.1	2.46
Unpaid labor input (SE015)	AWU	1.41	1.71	2.05	2.39	2.51	2.85
Total output (SE131)	€	3,808.70	6,930.45	14,565.04	27,182.83	63,555.25	123,912.07
Total output crop production (SE135)	€	1,067.75	2,058.55	4,905.43	10,430.73	22,456.66	37,390.90
Total output livestock and livest. products (SE206)	€	2,239.96	4,134.76	7,821.89	14,068.42	11,792.56	78,471.36
Other output (SE256)	€	500.98	737.13	1,837.71	2,683.66	29,306.02	8,049.80
Total inputs (SE270)	€	3,541.96	5,969.70	10,977.11	21,728.48	34,422.48	98,103.83
Intermediate consumption (SE275)	€	2,485.68	4,483.34	8,627.72	16,328.71	27,694.60	81,850.91
Farm net value added/ AWU (SE425)	€/AWU	318.05	770.92	2,232.62	3,240.27	9,776.67	8,070.71

Source: FADN, DEAAS - MAFRD

FADN standard results by type of farm, 2019									
Variable	Unit	Specialist field crops	Specialist horticulture (greenhouses)	Specialist permanent crops	Specialist grazing livestock	Specialist granivores	Mixed crops	Mixed livestock	Mixed crops and livestock
Utilized agricultural area (SE025)	ha	4.18	1.7	2.46	4.01	1.06	2.76	3.22	3.53
Livestock units (SE080)	LU	0.75	0.37	0.36	5.82	13.23	0.92	4.23	2.66
Paid labor input (SE020)	AWU	0.13	0.81	0.36	0.08	0.14	0.2	0.11	0.07
Unpaid labor input (SE015)	AWU	1.52	1.99	1.29	1.96	1.24	1.56	1.91	1.76
Total output (SE131)	€	6,959.58	13,883.61	8,016.69	16,037.08	13,407.03	6,274.68	9,702.66	9,241.23
Total output crop production (SE135)	€	4,357.47	12,990.66	4,145.39	2,709.80	1,000.71	3,658.78	2,073.58	2,703.94
Total output livestock and livestock products (SE206)	€	1,409.80	689.26	467.66	9,371.16	12,144.99	1,741.98	7,060.30	5,364.81

Other output (SE256)	€	1,192.30	203.68	3,403.62	3,956.10	261.32	873.92	568.78	1,172.47
Total inputs (SE270)	€	5,971.85	6,824.74	6,359.28	10,889.54	10,923.65	6,249.04	7,742.08	7,430.79
Intermediate consumption (SE275)	€	4,031.88	3,176.26	4,598.02	8,935.64	9,066.22	3,948.85	5,977.15	5,825.22
Farm net value added/AWU (SE425)	€/AWU	1,166.88	3,483.86	2,120.47	2,898.11	2,409.69	637.85	1,346.07	1,356.87

Source: FADN, DEAAS – MAFRD

Crop and livestock production

Crop production, ha					
	2016	2017	2018	2019	2020
Cereals	134,571	120,746	123,869	124,199	124,714
Wheat	89,122	80,519	81,123	80,273	80,473
Maize	41,524	35,951	38,453	39,441	39,684
Vegetables	17,395	19,643	17,886	18,911	19,243
Potato	3,795	4,290	3,606	3,688	3,771
Pepper	3,363	3,035	3,038	3,108	3,134
Beans	3,317	3,406	2,845	2,888	2,904
Pumpkin	1,017	2,270	2,255	2,502	2,577
Orchards	5,668	6,422	7,922	9,479	10,265
Apple	2,076	2,155	2,556	3,006	3,068
Plum	1,518	1,524	1,821	2,096	2,201
Raspberry	797	1,231	1,537	1,637	1,661
Walnut	186	340	608	886	1,295
Vineyards	3,117	3,199	3,272	3,367	3,437
Wine grape	2,348	2,400	2,455	2,489	2,526
Table grape	769	799	816	878	911
Forage crops	97,936	105,613	107,099	108,480	108,436
Hay	69,021	69,235	70,679	70,679	70,717
Alfalfa	15,190	15,747	17,182	18,293	18,329

Industrial crops	389	450	329	402	1,065
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Source: KAS - Agricultural household survey '16,'17,'18,'19, '20; MAFRD – Department for Vineyards and Wine (DVW)

Crop production, t					
	2016	2017	2018	2019	2020
Cereals	562,899	477,880	441,757	459,404	529,112
Wheat	365,651	320,136	280,616	284,999	341,818
Maize	186,592	147,200	151,921	163,930	175,180
Vegetables	335,467	358,394	265,420	300,559	290,555
Potato	98,583	118,250	68,790	73,816	74,508
Pepper	68,849	62,934	49,907	59,404	53,889
Beans	10,267	8,687	5,688	6,713	5,708
Pumpkin	14,894	25,564	20,208	23,050	22,535
Orchards	54,836	34,207	53,606	67,294	72,265
Apple	27,485	13,159	26,093	33,835	38,049
Plum	12,722	7,393	10,643	12,745	13,147
Raspberry	6,250	7,747	8,267	7,206	6,659
Walnut	470	405	761	2,028	2,591
Vineyard	23,666	15,364	27,322	19,318	26,330
Wine grape	16,800	12,177	22,324	14,772	20,049
Table grape	6,866	3,187	4,998	4,546	6,281
Forage crops	390,707	486,989	480,966	504,406	503,758
Hay	225,813	226,288	249,559	249,683	247,921
Alfalfa	63,522	67,748	73,754	84,257	85,503
Industrial crops	1,028	514	392	576	1,347

Source: KAS - Agricultural household survey: '16,'17,'18,'19,'20; DVW – MAFRD

Crop production, t/ha		2016	2017	2018	2019	2020
Cereals	Wheat	4.10	3.98	3.46	3.55	4.25
	Maize	4.49	4.09	3.95	4.16	4.41
Vegetables	Potato	25.97	27.56	19.08	20.01	19.76
	Pepper	20.47	20.74	16.43	19.11	17.19
	Beans	3.10	2.55	2.00	2.32	1.97
	Pumpkin	14.65	11.26	8.96	9.21	8.74
Orchards	Apple	13.24	6.11	10.21	11.25	12.40
	Plum	8.38	4.85	5.84	6.08	5.97
	Raspberry	7.84	6.30	5.38	4.40	4.01
	Walnut	2.52	1.19	1.25	2.29	2.00
Vineyard	Table grape	8.93	3.99	6.13	5.18	6.90
	Wine grape	7.16	5.07	9.09	5.93	7.90
Forage crops	Hay	3.27	3.27	3.53	3.53	3.51
	Alfalfa	4.18	4.30	4.29	4.61	4.66

Source: KAS - Agricultural household survey: '16, '17, '18, '19, '20; DVW - MAFRD

Wine production, '000 liters		2016	2017	2018	2019	2020
White wine		3,613	2,024	6,234	3,380	5,100
Red wine		5,446	1,455	5,441	2,325	4,295
Rosé wine		59	1,826	69	49	35
Total wine		9,118	5,305	11,744	5,754	9,429

Source: DVW - MAFRD

Organic production				
	2017	2018	2019	2020
Medicinal and aromatic plants, ha	170	424	480	1040
Certified companies	5	35	35	-
Certified areas, ha	824,379	373,488	373,488	-
Collection points	45	45	45	-

Source: Department for Agricultural Policies and Markets (DAPM) - MAFRD

Production of tree seedlings with vegetative and generative rootstocks					
	2016	2017	2018	2019	2020
Vegetative rootstocks	477,303	947,310	448,060	500,267	-
Generative rootstocks	134,995	92,260	104,705	123,000	-
Total	612,298	1,039,570	552,765	623,267	-

Source: DAPM - MAFRD

Number of animals, poultry and bees					
	2016	2017	2018	2019	2020
Cattle	264,971	259,729	258,662	257,733	261,389
Dairy cows	136,783	132,971	132,474	131,939	133,916
Sheep and goats	212,040	210,688	209,808	216,299	241,688
Sheep	184,265	182,278	181,105	189,102	212,131
<i>Sheep for breeding</i>	141,995	136,810	139,312	145,248	159,067
Goats	27,775	28,410	28,703	27,197	29,557
<i>Goats for breeding</i>	24,315	24,836	22,401	20,602	21,907
Pigs	42,309	41,086	40,164	40,533	45,394
Sows	11,469	10,281	10,188	11,422	12,756
Poultry ('000)	2,740	2,811	2,538	2,665	2,782
Chickens ('000)	2,586	2,676	2,393	2,558	2,637
<i>Laying hens ('000)</i>	2,043	2,051	1,728	1,947	1,939

Broilers ('000)	196	398	407	321	384
Beehives	162,355	163,717	182,476	219,831	262,541

Source: KAS - Agricultural household survey: '16,'17,'18,'19,'20

Livestock production, t					
	2016	2017	2018	2019	2020
Beef (p.th)	19,985	19,835	19,463	19,495	19,738
Chicken meat (p.th)	2,439	3,500	3,023	2,508	2,671
Cow's milk	285,261	277,976	277,599	277,138	281,960
Eggs ('000 pieces)	350,827	348,998	315,097	366,447	365,554
Honey	568	982	2,737	2,198	788

Source: DEAAS - MAFRD

Supply balance for agricultural products

Consumption per capita for some agricultural products, kg						
		2016	2017	2018	2019	2020
Cereals	Wheat	233.4	212.9	200.3	231.9	204.0
	Maize	49.2	46.3	44.7	47.0	49.4
Vegetables	Potato	49.7	61.5	34.8	40.0	38.7
	Pepper	43.4	38.8	33	37.9	33.4
	Tomatoes	23.9	21.9	21.5	20.7	19.4
	Apple	22.1	15.1	19.1	23.7	27.0
Orchards	Plum	8.2	4.9	6.6	8.3	8.5
	Strawberry	1	1	1.1	1.5	1.1
	Table grape	5.3	3.7	4.1	4.5	4.9
Vineyards	Beef	18.2	18	19.3	20.1	21.0
	Sheep and goat meat	1.2	1.2	1.2	1.2	-
	Chicken meat	21.5	20.6	21.1	22.9	20.9

Other products	Cow's milk	171.7	166.2	167.8	171.8	169.63
	Eggs (pieces)	200.5	196.3	177.8	208.5	206.0
	Honey	0.4	0.7	1.6	1.4	0.6

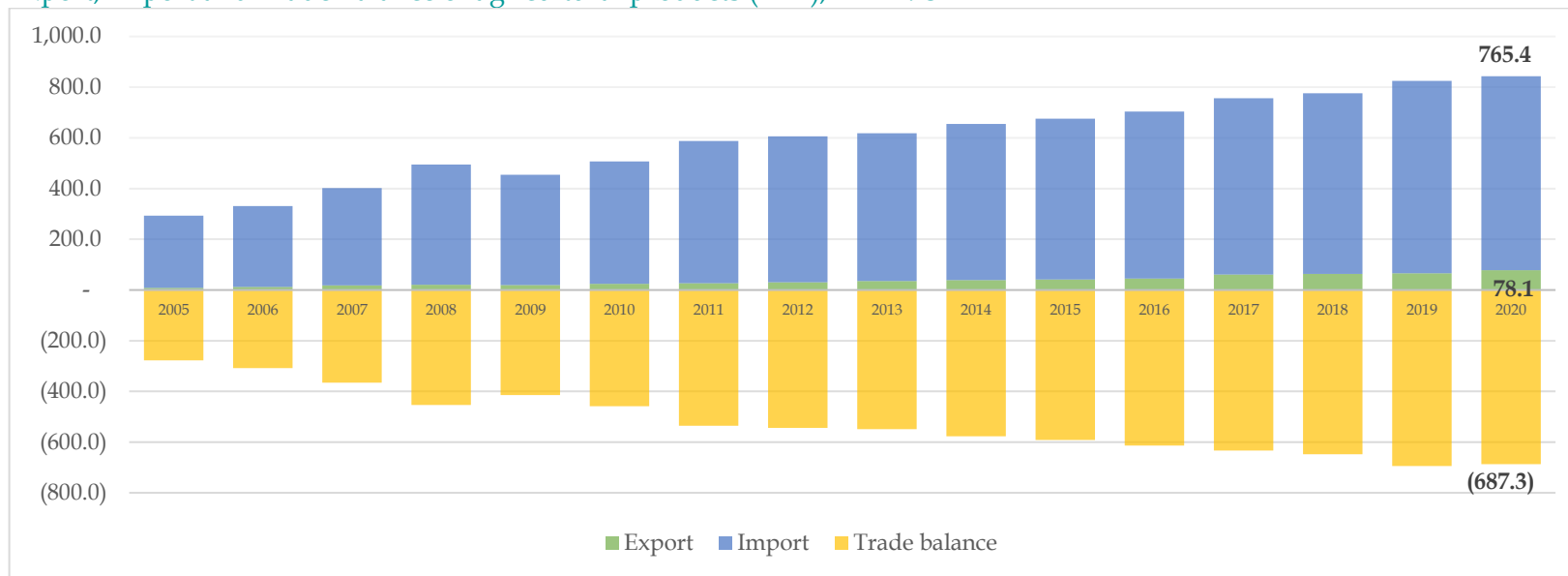
Source: DEAAS - MAFRD

Self-sufficiency ratio for some agricultural products (%)						
		2016	2017	2018	2019	2020
Cereals	Wheat	69.9	67.1	63.0	57.0	73.3
	Maize	77.3	71.7	73.9	74.8	75.1
Vegetables	Potato	111	106.6	109.7	103.2	106.7
	Pepper	86.6	87.7	82	85.6	87.2
	Tomatoes	62.6	61.5	57.5	59.8	56.9
Orchards	Apple	69.1	48.1	75.7	79.3	77.7
	Plum	96.8	92.6	99.6	95.5	95.1
	Strawberry	84.2	79.1	75	69.1	78.5
Vineyards	Table grape	73.2	47.5	67.7	57.0	71.0
Meat	Beef	61.9	61.1	56.1	54.0	52.2
	Sheep and goat meat	100.5	100.6	99	99.4	-
	Chicken meat	6.4	9.5	8	6.1	7.1
Other products	Cow's milk	80.6	80.5	79.9	78.6	80.1
	Eggs (pieces)	98.1	98.9	98.7	98.6	99.0
	Honey	74	83.3	92.9	90.6	76.0

Source: DEAAS - MAFRD

Trade of Agricultural Products

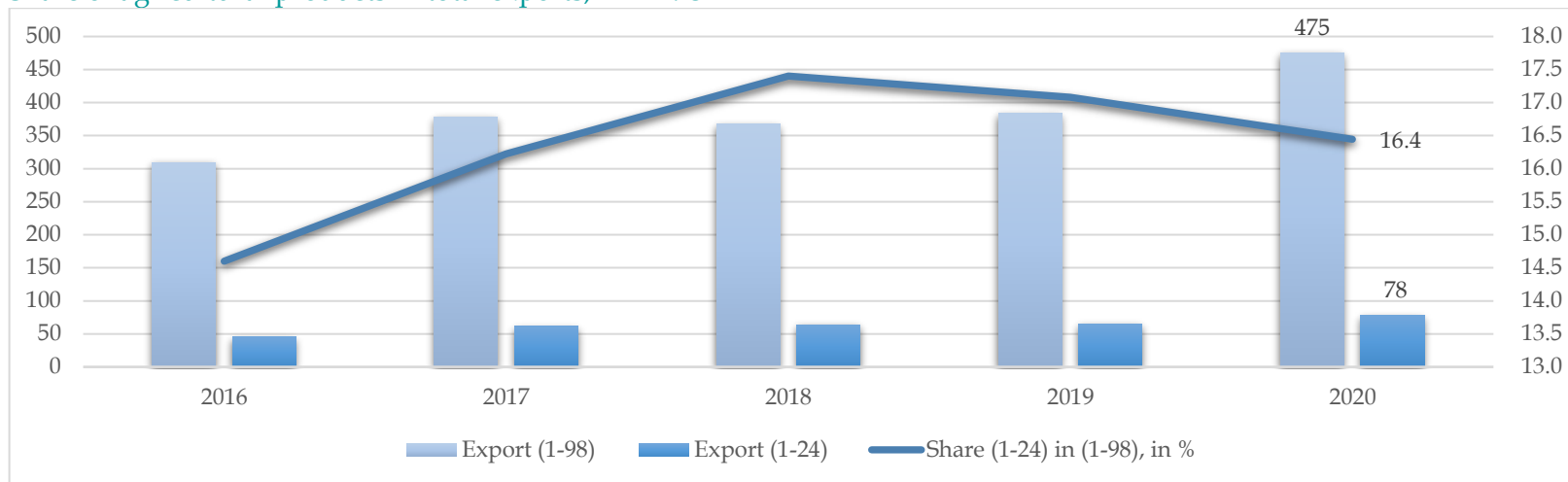
Export, Import and Trade Balance of agricultural products (1-24), in mil. €



Source: KAS, compiled by DEAAS - MAFRD

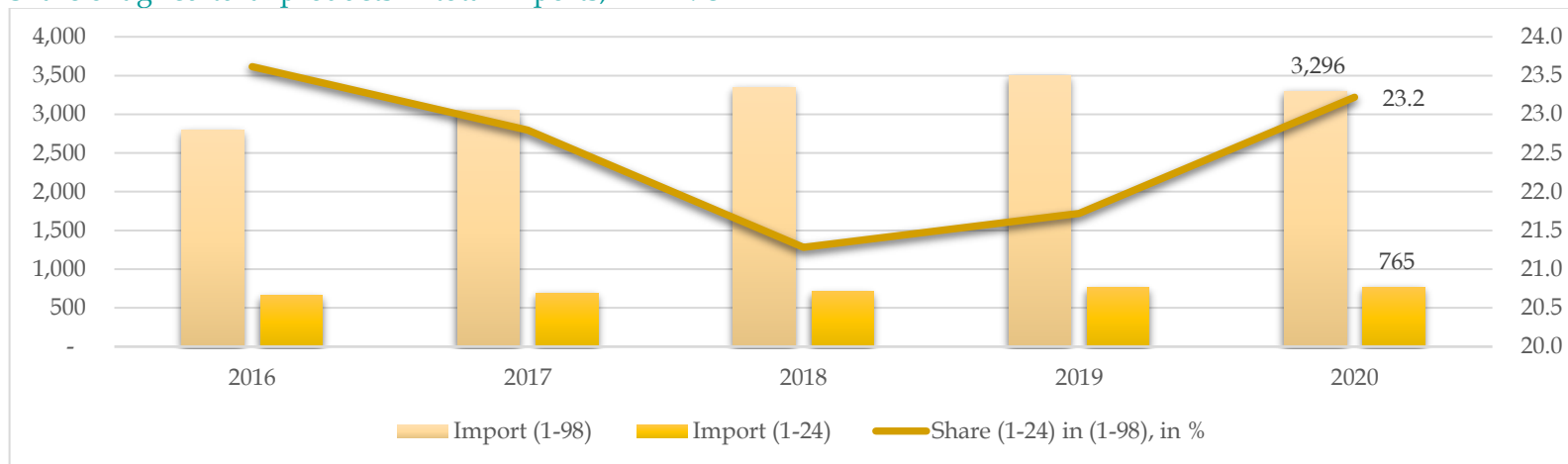
* Commodity groups 01-24 of the Combined Nomenclature

Share of agricultural products in total exports, in mil. €



Source: KAS, compiled by DEAAS - MAFRD

Share of agricultural products in total imports, in mil. €



Source: KAS, compiled by DEAAS - MAFRD

Export of agricultural products by main groups (%)

	Ø 2006-10	Ø 2011-15	2016	2017	2018	2019	2020
Export (mil. €)	19.1	34.7	45.2	61.3	64.0	65.5	78.1
Meat and meat preparation (CN 02 and CN 16)	0.5	0.8	1.6	1.3	1.4	1.8	2.8
Dairy products; eggs; natural honey (CN 04)	1.4	0.7	1.1	0.8	0.7	1.2	1.1
Remains from the food industry; Fodder food (CN23)	1.6	2.5	2.0	1.7	1.9	1.1	1.4
Various edible preparations (CN 21)	0.8	0.6	1.0	0.6	1.0	0.9	0.8
Drinks, alcohol and vinegar (CN 22)	23.1	34.6	37.6	39.4	43.1	43.8	38.0
Edible fruits and vegetables (CN 08 and CN 07)	22.6	15.7	19.1	22.0	22.5	19.8	23.8
Other	50.0	45.0	37.7	34.1	29.3	31.4	32.2

Source: KAS, compiled by DEAAS - MAFRD

Import of agricultural products by main groups (%)

	Ø 2006-10	Ø 2011-15	2016	2017	2018	2019	2020
Import (mil. €)	419.0	594.0	658.7	694.5	712.3	759.4	765.4
Edible fruits and vegetables (CN 08 and CN 07)	7.9	7.6	8.5	8.4	8.3	8.5	8.4
Meat and meat preparation (CN 02 and CN 16)	12.7	13.5	12.6	12.9	12.9	13.7	12.1
Remains from the food industry; Fodder food (CN23)	2.9	2.9	2.9	2.7	2.8	2.1	2.7
Various edible preparations (CN 21)	6.4	7.8	8.9	9.2	9.6	9.8	9.9
Dairy products; eggs; natural honey (CN 04)	7.0	6.3	6.3	6.5	6.7	6.6	6.6
Preparation from cereals, flour or starch (CN 19)	7.9	8.4	9.2	9.1	9.1	8.7	9.1
Drinks, alcohol and vinegar (CN 22)	11.8	10.2	10.7	10.8	10.8	10.6	10.0
Other	43.4	43.3	41.0	40.5	39.9	39.9	41.1

Source: KAS, compiled by DEAAS - MAFRD

Export of agricultural products by main countries (%)

	Ø 2005-09	Ø 2010-14	2016	2017	2018	2019	2020
Export (mil. €)	15.7	31.2	45.2	61.3	64	65.5	78.1
Bulgaria	1.5	0.4	2.0	2.4	2.8	2.8	3.5
Germany	10.4	6.6	7.0	13.2	12.9	11.6	14.9
North Macedonia	19.9	16.3	11.5	11.7	12.5	12.9	12.1
Serbia	14.7	6.7	10.3	8.6	9.8	9.1	7.9
Albania	31.2	41.4	37.3	34.7	33.4	31.8	29.0
Switzerland	0.7	1.8	2.7	3.1	2.9	2.8	3.1
Other	21.7	26.8	29.2	26.2	25.8	29.1	29.5

Source: KAS, compiled by DEAAS - MAFRD

Import of agricultural products by main countries (%)

	Ø 2005-09	Ø 2010-14	2016	2017	2018	2019	2020
Import (mil. €)	379.5	563.8	658.7	694.5	712.3	759.4	765.4
Bulgaria	3.8	3.0	1.9	1.9	2.1	6.5	4.7
Germany	3.9	8.4	8.2	7.3	7.0	7.8	7.3
Croatia	4.1	3.7	3.7	3.9	4.2	7.7	6.6
North Macedonia	12.2	8.2	6.2	6.1	6.4	10.1	8.0
Poland	2.2	2.9	6.5	6.3	6.7	7.5	6.8
Turkey	7.3	6.2	6.4	6.4	7.0	7.5	7.6
Other	66.6	67.5	67.1	68.1	66.6	52.9	58.9

Source: KAS, compiled by DEAAS - MAFRD

Agro loans

Agro loans 2015 - 2019	Number of loans disbursed	Total amount of disbursed loans (mil. €)	Loan duration (months)	Average interest rate (%)	Participation of Agro loans in total loans (%)
2016	19,086	81.4	12 - 42	8.0 - 26.9	0.5 - 60.0
2017	24,940	91.3	17 - 39	7.3 - 26.7	0.3 - 43.0
2018	26,403	91.3	12 - 39	6.0 - 28.5	1.3 - 64.5
2019	21,622	115.1	18 - 42	6.4 - 28.4	0.7 - 43.5
2020	22,958	83.2	18 - 40	5.3 - 28.6	0.5 - 36.7
Total	115,009	462.4			

Source: Commercial banks and MFIs in Kosovo, compiled by DEAAS – MAFRD

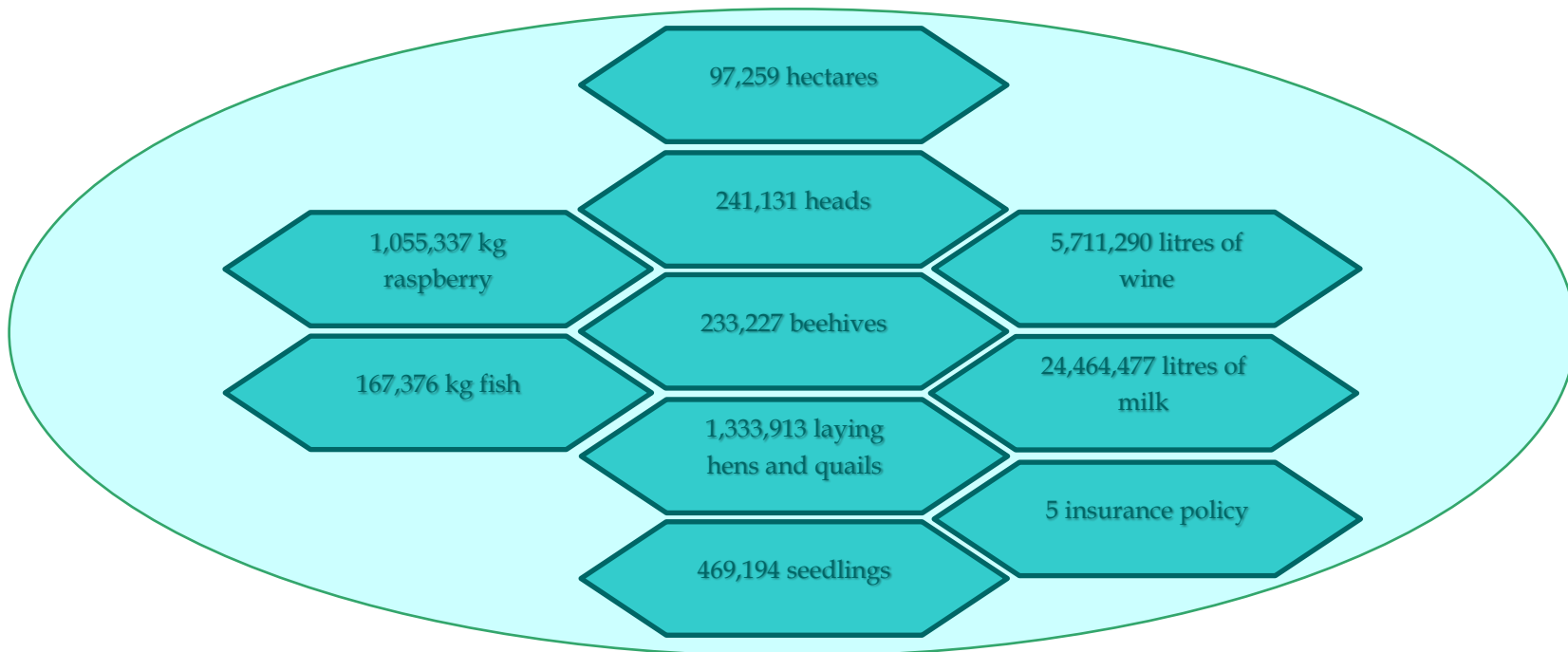
Support of the Agriculture and Rural Development sector

Direct payments and grants in mil. €					
	2016	2017	2018	2019	2020
Direct payments	26.1	27.0	29.6	30.6	67.1
Grants	22.5	15.4	31.0	16.1	12.6
Total	48.6	42.5	60.6	46.7	79.7

Source: ADA, compiled by DEAAS – MAFRD

Direct payments

Units supported through direct payments in 2020



Source: ADA, compiled by DEAAS - MAFRD

Direct payments for crops, wine and seedlings						
		2016	2017	2018	2019	2020
Wheat	Number of applicants	11,864	9,709	10,683	8,872	11,044
	Number of beneficiaries	11,602	9,216	10,311	8,698	10,729
	Number of ha paid	50,180	38,542	43,673	35,287	46,931
	Payment per ha	150	150	150	150	300
	Total amount paid	7,526,999	5,781,300	6,550,929	5,292,996	14,079,396
Wheat seed	Number of applicants	25	11	11	15	25
	Number of beneficiaries	25	11	11	15	24
	Number of ha paid	803	508	458	562	869
	Payment per ha	250	250	250	250	500
	Total amount paid	196,678	122,003	114,204	140,395	434,540
Maize	Number of applicants	7,985	8,598	8,432	9,526	10,020
	Number of beneficiaries	7,763	8,231	8,165	9,370	9,808
	Number of ha paid	19,140	22,077	21,519	27,483	28,493
	Payment per ha	150	150	150	150	300
	Total amount paid	2,870,969	3,311,579	3,227,784	4,122,464	8,547,885
Barley	Number of applicants	151	227	316	273	242
	Number of beneficiaries	133	208	306	267	233
	Number of ha paid	251	387	518	488	442
	Payment per ha	100	100	150	150	300
	Total amount paid	25,118	38,662	77,688	73,194	132,645
Rye	Number of applicants	77	78	83	70	59
	Number of beneficiaries	61	67	72	67	56
	Number of ha paid	200	170	196	196	195
	Payment per ha	100	100	150	150	300
	Total amount paid	19,977	16,957	29,343	29,423	58,623
Oat	Number of applicants	-	-	-	505	569
	Number of beneficiaries	-	-	-	485	538
	Number of ha paid	-	-	-	928	1321

	Payment per ha	-	-	-	150	300
	Total amount paid	-	-	-	139,161	396,261
Vineyards	Number of applicants	2,980	2,969	3,012	2,939	2,919
	Number of beneficiaries	2,881	2,909	2,949	2,900	2,880
	Number of ha paid	2,473	2,508	2,580	2,989	3,080
	Payment per ha	1,000/400	1,000/500	1,000	1,000	2,000
	Total amount paid	2,117,978	2,266,235	2,580,250	2,988,810	6,160,400
Sunflower	Number of applicants	2	7	5	11	5
	Number of beneficiaries	2	6	4	11	3
	Number of ha paid	9	53	5	97	40
	Payment per ha	150	150	150	150	300
	Total amount paid	1,316	7,946	749	14,621	12,036
Vegetables	Number of applicants	5,304	5,716	6,664	7,270	4,676
	Number of beneficiaries	5,188	5,550	6,435	7,099	4,481
	Number of ha paid	6,605	7,481	8,977	8,295	9,210
	Payment per ha	300	300	300	300	600
	Total amount paid	1,981,617	2,244,228	2,693,021	2,488,506	5,525,712
Existing orchards	Number of applicants	2,908	4,358	5,278	3,557	3,166
	Number of beneficiaries	2,794	4,110	5,097	3,488	3,034
	Number of ha paid	2,780	3,999	4,764	4,142	4,757
	Payment per ha	400	400	400	400	800
	Total amount paid	1,112,032	1,599,496	1,905,548	1,656,812	3,805,736
Organic farming	Number of applicants	7	10	37	27	48
	Number of beneficiaries	3	6	24	26	38
	Number of ha paid	73	118	443	1,050	1,672
	Payment per ha	200	300	500	500	1000
	Total amount paid	14,626	35,373	277,578	524,900	1,672,210
Wine	Number of applicants	-	18	16	15	18
	Number of beneficiaries	-	7	14	15	17
	Number of liters paid	-	1,375,607	4,769,358	9,734,385	5,711,290

	Payment per liter	-	0.04	0.04	0.04	0.04
	Total amount paid	-	55,024	190,774	389,375	228,452
Raspberry	Number of applicants	-	-	-	967	525
	Number of beneficiaries	-	-	-	594	386
	Number of kg paid	-	-	-	898,547	1,055,337
	Payment per kg	-	-	-	0.08	0.16
	Total amount paid	-	-	-	71,883	168,854
Seedlings	Number of applicants	17	16	16	14	13
	Number of beneficiaries	17	14	15	11	13
	Number of seedlings paid	431,414	406,045	483,230	435,200	469,194
	Payment per seedling	0.10/0.15/0.20	0.10/0.15/0.20	0.10/0.15/0.20	0.10/0.15/0.20	0.10/0.15/0.20
	Total amount paid	76,933	68,459	82,046	69,600	155,495
Medicinal and aromatic plants	Number of applicants	-	-	-	-	84
	Number of beneficiaries	-	-	-	-	70
	Number of ha paid	-	-	-	-	248
	Payment per ha	-	-	-	-	450
	Total amount paid	-	-	-	-	111,479
Insurance policy	Number of applicants	-	-	-	-	9
	Number of beneficiaries	-	-	-	-	5
	Number of subsidized policies	-	-	-	-	5
	Policy payment, %	-	-	-	-	100
	Total amount paid	-	-	-	-	1,769

Source: ADA, compiled by DEAAS – MAFRD

Rural Development Measures

Number of approved applications					
	2016	2017	2018	2019	2020
Measure 101: Investments in physical assets in agricultural holdings	341	321	383	303	217
Measure 103: Investments in physical assets in processing and trade of agricultural products	27	5	27	7	20
Measure: Irrigation of agricultural lands	7	1	3	2	1
Measure 302: Diversification of farms and business development	97	90	130	150	125
Measure 303: " Implementation of local development strategies - Leader approach"	11	0	13	11	-
Measure - Special Program	-	-	62	-	-
Total	483	417	618	473	363

Source: ADA, compiled by DEAAS – MAFRD

Approved value in €					
	2016	2017	2018	2019	2020
Measure 101: Investments in physical assets in agricultural holdings	15,234,339	12,790,578	16,897,514	12,035,806	7,138,627
Measure 103: Investments in physical assets in processing and trade of agricultural products	4,661,782	959,024	4,842,579	1,281,799	3,689,237
Measure: Irrigation of agricultural lands	965,614	64,871	475,413	320,000	160,000
Measure 302: Diversification of farms and business development	1,561,820	1,632,494	2,259,156	2,188,065	1,639,936
Measure 303: " Implementation of local development strategies - Leader approach"	79,850	-	293,087	240,184	-
Measure - Special Program	-	-	6,201,729	-	-
Total	22,503,406	15,446,966	30,969,478	16,065,854	12,627,800

Source: ADA, compiled by DEAAS – MAFRD