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Economics and Policy  
Development**

Ürün Raporu  
PATALES  
2022  
**Product  
Report  
POTATO  
2022**



**AGRICULTURAL ECONOMICS AND POLICY DEVELOPMENT  
INSTITUTE  
TEPGE**

**Product  
Report  
POTATO  
2022**

**Prepared  
by Zehra  
YEGÜL  
Agricultural Engineer**  
Directorate of Institute of Agricultural Economics and Policy Development  
zehra.yegul@tarimorman.gov.tr



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**Communication:**

Republic of Turkey Ministry of  
Agriculture and Forestry Universities Mah.  
Dumlupınar Bulvarı 06800  
Çankaya/ANKARA

Telephone: 0312 287 5833

Fax: 0312 287 5854

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## 1. INTRODUCTION

The potato, which has spread almost all over the world from the Andes mountains of South America, is one of the most important plants that can respond to the world's growing hunger problem. Potatoes entered the western regions of Turkey via Europe about a century ago, and entered our eastern regions via Russia and the Caucasus about 150 years ago. Today, although it can be grown almost everywhere in Turkey, it is an important crop grown especially in Central Anatolia. Since potato is a hoe crop, it has an important place in crop rotation. Potato, which is one of the most suitable plants for crop rotation especially in light structured soils, leaves a clean and aerated soil for the plant to be planted after it (Anonymous, 2022).

Potato is a product that increases its cultivation and production area in the world day by day in terms of providing both fresh and raw materials for agriculture. Considering the increasing world population and limited agricultural areas, potatoes are a product that the world attaches importance to in terms of food security in terms of the amount of product obtained from the unit area and its ability to meet the needs of more people (Ödemiş Chamber of Commerce Potato Sector Report, 2021). The Food and Agriculture Organization (FAO) declared 2008 as the year of the potato in order to emphasize how important potatoes are for humanity and to raise awareness, and successful studies have been carried out in this regard.

Potato is an important agricultural product for the world and Turkey in terms of human nutrition both fresh and by-products obtained from it and in terms of industry with its input quality. Potato is an important industrial plant that is used in human nutrition as fresh or processed, in animal nutrition directly or in the form of factory residues, as seed to ensure the continuity of plant production and processed in various ways in the food industry. According to studies, potatoes have 75% more food energy per unit area than wheat and 58% more food energy than rice, and provide 78% more protein per unit area than rice and 54% more protein than wheat. Potatoes are grown in temperate, tropical and subtropical climatic zones of the world, and no other crop has nutritional value in terms of food energy, unit production and food quantity (Camire et al., 2009). The widespread use of potatoes as a staple food crop and the increase in the world population rapidly increase the demand and consumption of potatoes. In this respect, potato ranks sixth after sugarcane, maize, rice and wheat in the list of the most produced crops in the world (FAO, 2022).

## 2. GLOBAL OVERVIEW

### 2.1. World Potato Planting Area

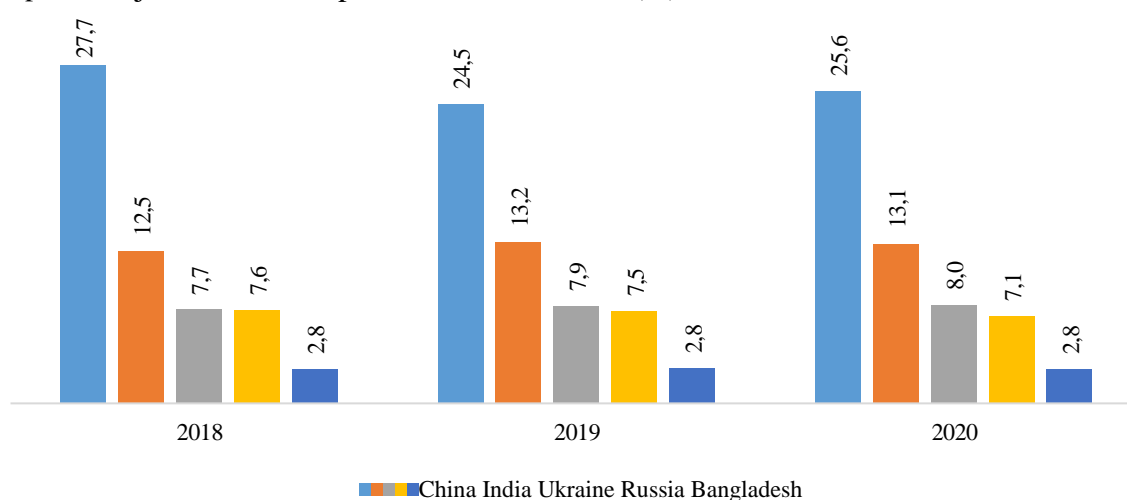
According to FAO data, potatoes are cultivated on approximately 16.5 million ha in the world in 2020 (Table 1). The country with the largest potato cultivation area in the world is China with approximately 4.2 million ha. China is followed by India with 2.2 million ha and Ukraine with 1.3 million ha. In 2020, according to Table 1, the first five countries will be the largest producers of potato in the world having 56.6% of the total.

Table 1. World potato cultivation area by country (thousand ha)

	2016	2017	2018	2019	2020
China	4.802	4.860	4.758	4.036	4.216
India	2.117	2.179	2.142	2.173	2.158
Ukraine	1.312	1.323	1.320	1.309	1.325
Russia	1426	1.336	1.313	1.239	1.178
Bangladesh	475	500	477	468	461
USA	420	423	411	379	370
Other	6.839	6.815	6.773	6.872	6.787
World	17.391	17.436	17.194	16.476	16.495

Source: Annex Table 1

Graph 1. Major countries in potato cultivation area (%)



Source: Annex Table 1

## 2.2. World Potato Production

According to FAO data, potato production will total 359 million tons in 2020, with an average yield of 2,176 kg/ha. As of 2020, China ranks first in world potato production with 78 million tons, India ranks second with 51 million tons and Russia ranks third with approximately 21 million tons. In the last 5 years, China and India have been the leading countries in world potato production. China, the world leader, accounted for 21.8% of the world's total potato production in 2020. As seen in Chart 2, the top five countries in potato production accounted for 52.6% of the world total in 2020.

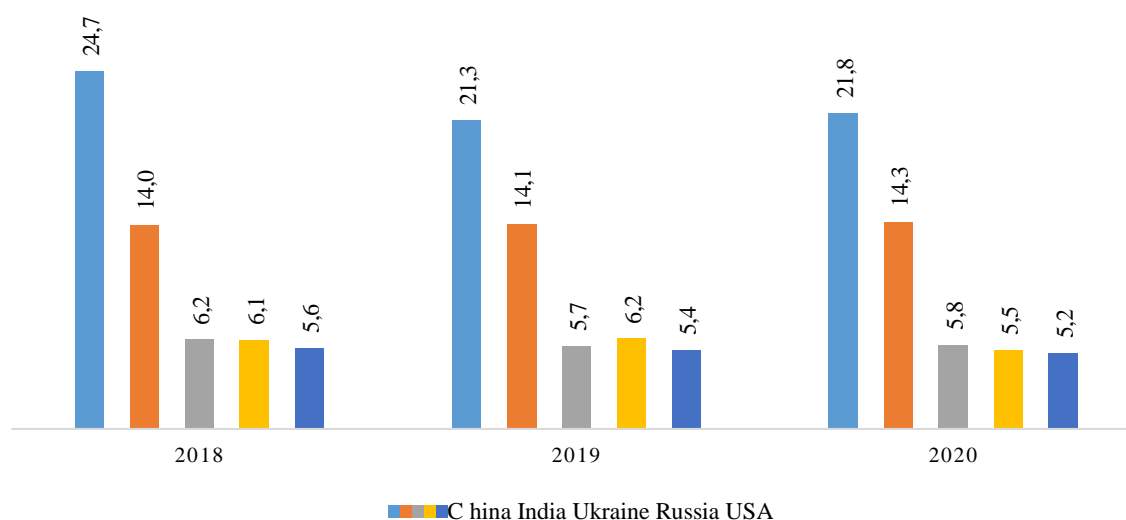
Table 2. World potato production by country (thousand tons)

	2016	2017	2018	2019	2020
China	84.929	88.482	90.259	75.595	78.184
India	43.417	48.605	51.310	50.190	51.300
Ukraine	21.750	22.208	22.504	20.269	20.838
Russia	22.463	21.708	22.395	22.075	19.607
USA	20.426	20.453	20.422	19.251	18.790
Germany	10.772	11.720	8.921	10.602	11.715
Other	150.229	156.938	149.856	156.829	158.637
World	353.987	370.114	365.667	354.811	359.071

Source: Annex Table 2



Graph 2. Major countries in potato production (%)



Source: Annex Table 2

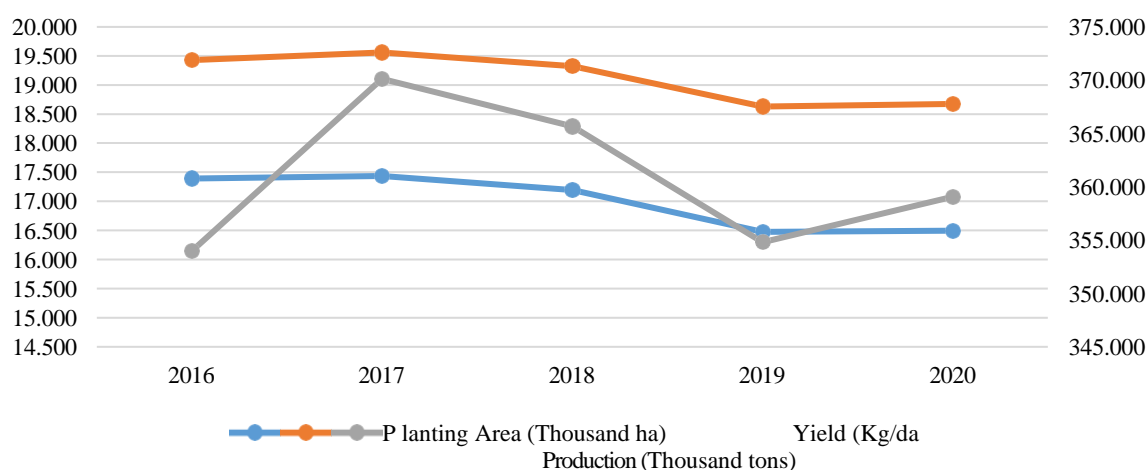
Table 3. World potato yield by years (kg/da)

Years	2016	2017	2018	2019	2020
Yield	2.035	2.122	2.126	2.153	2.176

Source: FAO, 2022

World potato production has shown changes parallel to the increase and decrease in yield over the years. In 2020, potato production increased by 1.2% in parallel with the increase in planted area and yield compared to the previous year. In 2020, the countries with the highest yields are the USA (5,079 kg/da), New Zealand (5,073 kg/da) and Kuwait (4,874 kg/da). Turkey, with 3,514 kg/da in 2020, has a yield above the world average of 2,134 kg/da.

Graph 3. World potato cultivation area, production and yield



Source: Annex Table 1-2-3

## 2.3. Foreign Trade

### 2.3.1. Imports

In 2021, 13 million 241 thousand tons of potatoes were imported in the world. According to 2021 data, Belgium ranked first among potato importing countries with approximately 3 million tons.

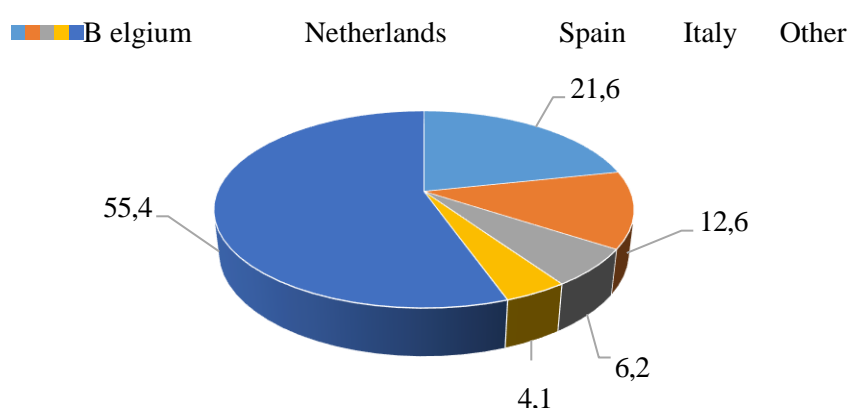
Belgium is followed by the Netherlands with 1 million 666 thousand tons. Belgium is followed by the Netherlands with 1 million 666 thousand tons, Spain with 824 thousand tons and Italy with 548 thousand tons (Trade map, 2022). In 2021, imports increased by 9.4% compared to the previous year.

Table 4. World potato imports by country (thousand tons)

Countries	2017	2018	2019	2020	2021
Belgium	2.026	2.489	2.965	2.848	2.865
Netherlands	1.673	1.704	1.726	1.533	1.666
Spain	715	757	770	-	824
Italy	543	563	603	527	548
Uzbekistan	194	225	282	406	547
Other	7.324	7.325	7.320	6.793	6.791
World	12.475	13.063	13.666	12.107	13.241

Source: Annex Table 3

Chart 4. Major potato import countries (2021, %)



Source: Annex Table 3

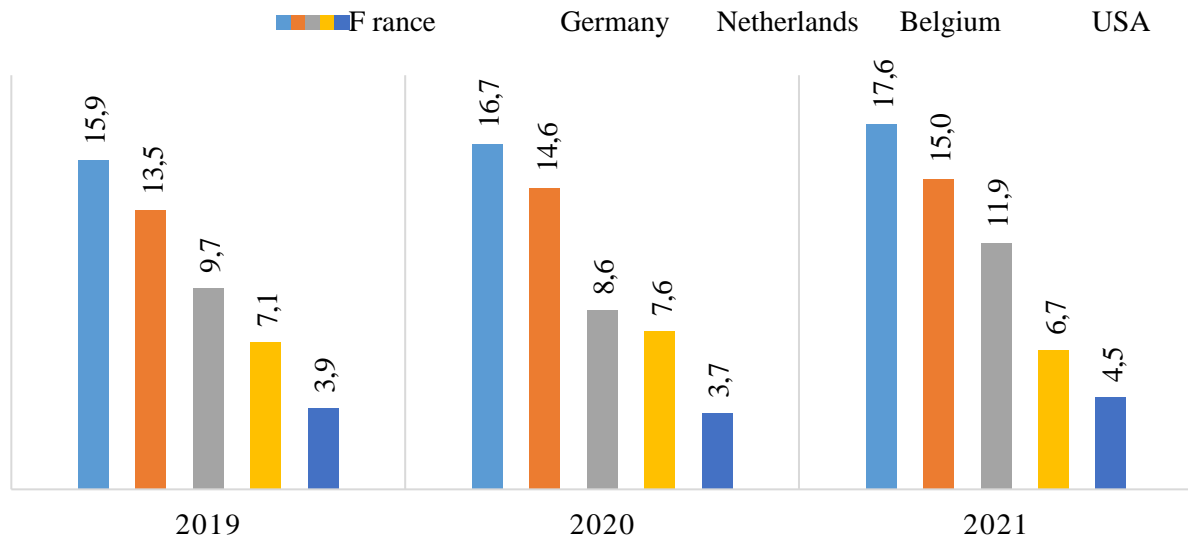
### 2.3.2. Export

The leading countries in world potato production are China, India, Russia, Ukraine and the USA. In these countries, potatoes are mostly produced for domestic consumption. According to 2021 Trade Map data, France ranks 1st in world potato exports with 2.2 million tons. France is followed by Germany with approximately 2 million tons and the Netherlands with 1.5 million tons. In 2021, world fresh potato exports totaled 12 million 573 thousand tons and decreased by 3.1% compared to the previous year. In 2021, France's share in world exports was 17.6%, followed by Germany with 15% and the Netherlands with 11.9%.

Table 5. World potato exports by country (thousand tons)

Countries	2017	2018	2019	2020	2021
France	1.855	2.127	2.119	2.166	2.218
Germany	1.896	1.832	1.798	1.890	1.885
Netherlands	839	867	1.296	1.121	1.494
Belgium	901	908	946	989	846
USA	496	463	521	477	560
Other	6.299	6.157	6.660	6.332	5.570
World	12.286	12.354	13.340	12.975	12.573

Graph 5. Major countries in potato exports (%)



Source: Annex Table 4

#### 2.4. Potato Producer Prices

Looking at FAO world potato producer prices, it is seen that the highest potato price in 2020 is in Cabo Verde (2,069 \$/ton) and the lowest price is in the Netherlands (117 \$/ton). Looking at the producer prices of major potato producing and exporting countries in the world in 2020, it is seen that China has a producer price of \$347.9/ton, Germany has a producer price of \$186.7/ton, France has a producer price of \$376.4/ton, \$/ton and \$117/ton in the Netherlands (Table 6).

Table 6. Potato producer prices in major exporting and producing countries (\$/ton)

Countries	2018	2019	2020
Cabo Verde	2.039	2.018	2.069
China	350	343	348
Germany	201	317	187
France	277	301	377
Netherlands	183	222	117

Source: FAO, 2022

### 3. OVERVIEW IN TURKIYE

Although potato is generally a temperate-cool climate plant, it has a wide range of adaptability. Turkey is in a privileged position in terms of potato production thanks to its agro-ecological richness (Günel et al. 2010). For this reason, potato production is possible in almost every region of the country in certain periods of the year, and potato harvesting continues from April until the end of December. Potato is a product that has advantages such as being able to adapt to different climatic zones quickly, being successfully cultivated in almost every region of the world, being less costly compared to other crops, having a higher yield per unit area, and containing high nutritional values (Arıoğlu et al., 2006; Kolsarıcı, 2011).

The use of high quality seed has a much greater impact on productivity in potato than in other field crops. Potato wart (*Synchytrium endobioticum*) disease, which has caused quarantine measures to be taken in the most important potato fields, especially in Niğde and Nevşehir, for about ten years, has emerged or spread due to seed origin.

### 3.1. Potato Planting Area in Turkey

In 2021, Afyonkarahisar ranks first with 151,38 da (10.9%), Niğde ranks second with 146,890 da (10.6%) and Konya ranks third with 145,890 da (10.5%) in potato cultivation areas in Turkey (Table 7).

Potato cultivation areas have increased and decreased over the last 5 years. The reasons for this decrease are the increase in potato wart (*Synchytrium endobioticum*) disease, irregular rainfall, price instability and excessive increase in input costs.

Table 7. Potato cultivation areas in Turkey by provinces (da)

Provinces	2017	2018	2019	2020	2021
Afyonkarahisar	129.131	129.925	142.163	153.387	151.038
Nigde	234.590	202.990	183.850	182.820	146.890
Konya	138.269	148.333	143.540	151.807	145.496
Kayseri	91.106	100.028	110.839	124.160	117.380
Izmir	111.665	93.804	112.100	129.000	112.344
Sivas	60.229	59.202	58.495	65.873	71.180
Aksaray	58.350	55.300	56.250	58.155	70.600
Nevsehir	61.085	62.118	70.773	69.849	68.385
Adana	65.976	64.033	66.761	60.905	60.950
Bitlis	43.960	42.305	50.095	44.920	49.075
Other	434.474	401.335	414.101	439.059	395.837
Turkey	1.428.835	1.359.373	1.408.967	1.479.935	1.389.175

Source: Annex Table 7

Image 6. Major provinces with potato cultivation in Turkey (2021, %)



Source: TURKSTAT, 2022

### 3.2. Potato Production in Turkey

Potato production may vary due to reasons such as decreasing cultivation areas, fluctuations in prices and climatic conditions. In 2021, 5.1 million tons of potatoes were produced in Turkey and potato production decreased by approximately 2% compared to the previous year. Konya ranked first with 622,435 tons (12.2%) of potato production, Niğde ranked second with 575,627 tons (11.3%) and Afyonkarahisar ranked third with 562,927 tons (11%) (Table 8).

Potato yield in Turkey has increased over the years. In 2021, potato yield is 3,682 kg/da. In 2021, the provinces with the highest potato yields are Bitlis (5,292 kg/da), Kayseri (4,438 kg/da) and Aksaray (4,379 kg/da), respectively, which are well above the average of Turkey.

Table 8. Potato production in Turkey by provinces (tons)

Provinces	2017	2018	2019	2020	2021
Konya	567.076	611.957	599.699	638.171	622.435
Niğde	835.200	732.188	716.180	689.312	575.627
Afyonkarahisar	473.016	455.352	532.410	551.453	562.927
Kayseri	351.270	385.913	451.798	540.824	520.948
Izmir	396.130	330.143	390.481	435.925	447.092
Aksaray	207.810	202.371	239.650	250.349	309.132
Nevşehir	249.626	269.620	321.301	289.413	295.503
Bitlis	154.696	150.043	190.511	194.353	259.713
Adana	241.196	219.076	251.408	211.265	224.794
Sivas	182.149	169.737	180.756	192.630	194.742
Other	1.141.831	1.023.600	1.105.630	1.206.305	1.087.087
Turkey	4.800.000	4.550.000	4.979.824	5.200.000	5.100.000

Source: Annex Table 8

Graph 7. Major provinces with potato production in Turkey (2021, %)

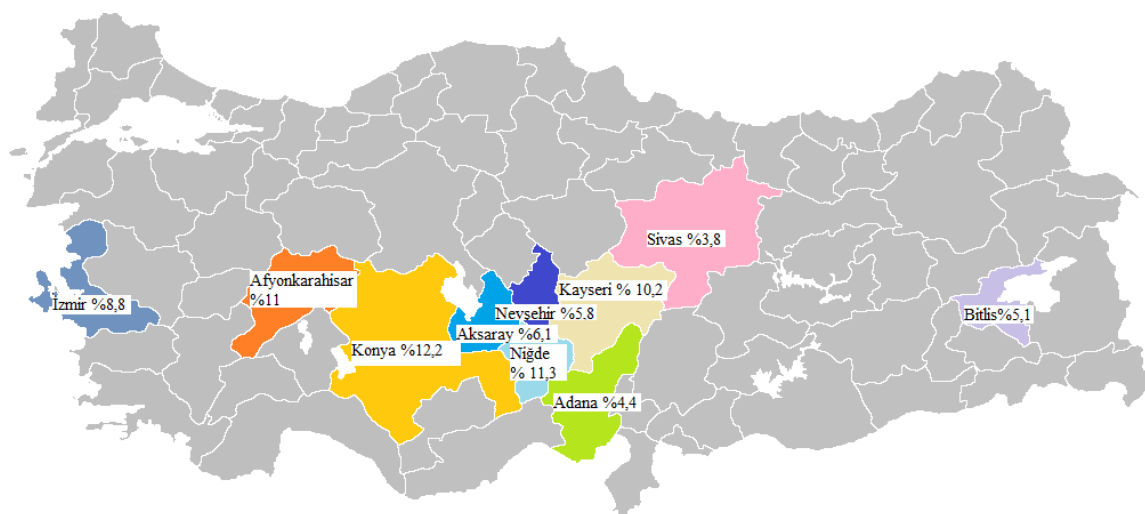
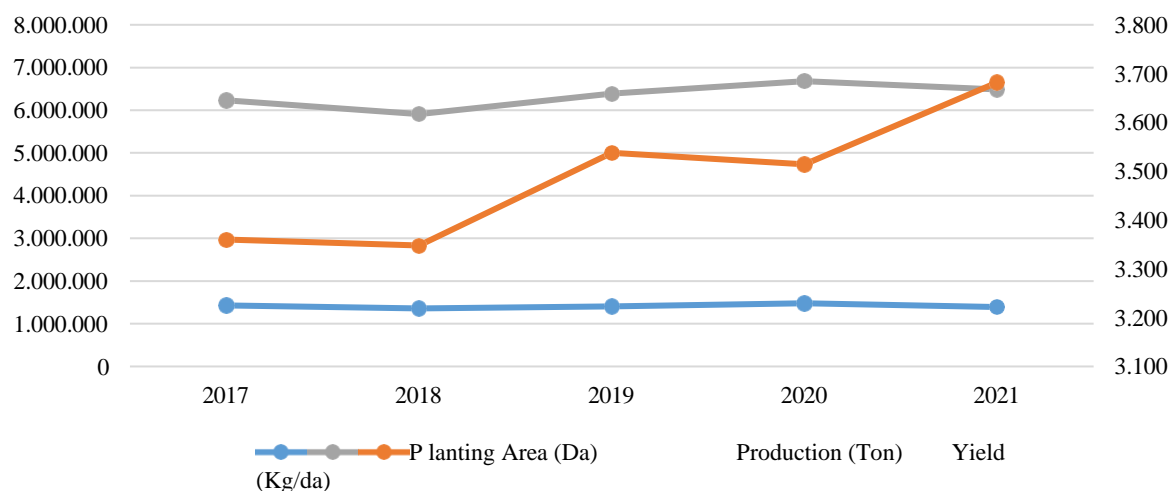


Table 9. Turkey potato yield (kg/da)

Years	2017	2018	2019	2020	2021
Yield	3.360	3.348	3.538	3.514	3.682

Source: TURKSTAT, 2022

Graph 8. Potato cultivation area, production and yield in Turkey



According to Graph 8, while there was not much change in the cultivation area over the years, the increase in yield in the 2018/19 season positively affected production. In the 2020/21 season, the increase in yield was not reflected in production due to the decrease in cultivation area. In 2021, Konya ranked first in terms of cultivation area, while Afyonkarahisar ranked first in production.

### 3.3. Potato Consumption in Turkey

Potato is an important industry used in human nutrition as fresh or processed, in animal nutrition as tubers directly or in the form of factory residues, as seed to ensure the continuity of plant production and processed in various ways in the food industry.

plant. Potato is a staple food crop, and the widespread use of potatoes and the increase in the world population have rapidly increased the demand for and consumption of potatoes. Potato consumption has fluctuated in the last five years, with the 2020/21 consumption season increasing by 12.1% compared to the 2016/17 season and by 1.9% compared to the previous year. Between these years, per capita potato consumption varied between 48-52 kg.

Table 10. Potato consumption in Turkey

Years	2016/17	2017/18	2018/19	2019/20	2020/21
Consumption (thousand tons)	3.825	4.064	3.860	4.210	4.287
Per Capita Consumption	47,9	50,3	47,1	50,6	51,3

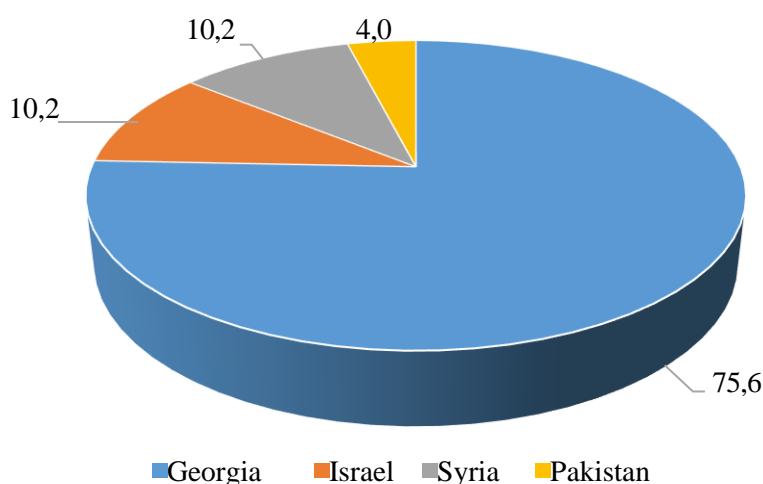
Source: T UIK, 2022

### 3.4. Potato Foreign Trade in Turkey

#### 3.4.1. Imports

According to TURKSTAT 10-month data, Turkey imported 75.6% of its potato imports from Georgia in the 2021/22 season. Although fluctuations have been observed in the last five years, the highest imports were in 2019 compared to other years. This can be attributed to the increase in potato wart disease and the resetting of customs duty as a result of price fluctuations. In March 2019, customs duty on potatoes to be imported up to 200 thousand tons was set off until April 20, 2019. According to TURKSTAT data, 735 tons of imports were realized in the 2020/21 season and there was an 87.8% decrease in imports compared to the previous year. Of the total imports, 374 tons (75.6%) were imported from Georgia, 311 tons (10.2%) from Israel and 50 tons (10.2%) from Syria.

Turkey potato imports by country (2021/22, %)



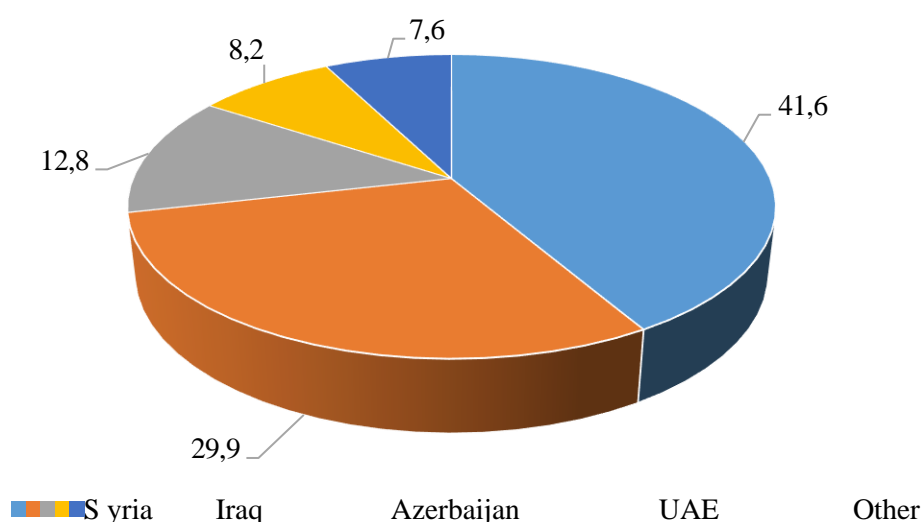
#### 3.4.2. Export

According to TURKSTAT ten-month data, Turkey exported the most potatoes (41.6% ) to Syria in the 2021/22 season. Looking at the last five years, the least exports were made in 2020. The reason for this is that potato exports were added to the list of goods subject to prior authorization with the "Communiqué on Goods whose Export is Prohibited and Subject to Prior Authorization" published in the Official Gazette dated January 07, 2020. The purpose of this decision is to prevent a potato supply deficit in Turkey, to prevent foreign

demand from affecting domestic market prices and to prevent fluctuations in consumer prices. Export with this communiqué

It has not imposed any prohibition and it has been ensured that the production, consumption, stocks, needs and domestic and foreign market prices of our country are regularly monitored." In March 2020, exports were carried out in a controlled manner due to the COVID-19 outbreak that started in March 2020, and due to the increase in yield as a result of the new harvest, it was removed from being subject to prior authorization with the Communiqué published on July 19, 2020. In 2021, exports decreased by 31.7% compared to the previous year. In the Communiqué on the Export of Certain Agricultural Products (Export: 2022/1) published in the Official Gazette No. 31732 dated January 27, 2022, potatoes are among the products whose exports are restricted.

Turkey's potato exports by country (2021/22, %)



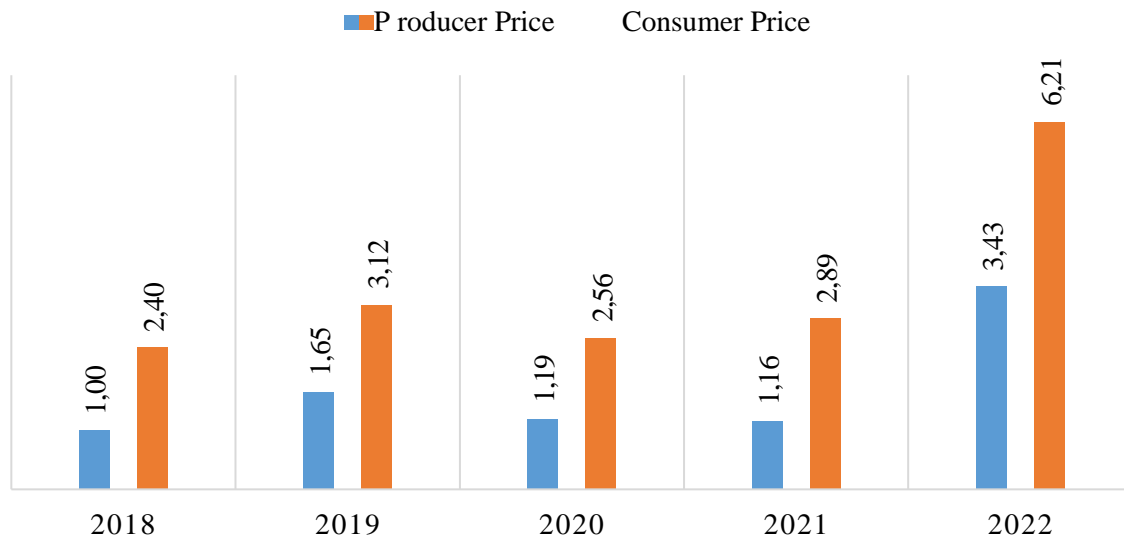
Source: TURKSTAT, 2022

### 3.5. Potato Prices in Turkey

Potatoes are one of the most volatile crops in Turkey, with producer and consumer prices fluctuating the most. In 2022, the five-month average producer price is 3.43 TL/kg. The 2021 average producer price of 1.16 decreased by approximately 2.5% compared to the previous year. In May 2022, the producer price of 4.39 TL/kg increased by 373.2% compared to the same month of the previous year. In 2022, the four-month average consumer price was 6.21 TL/kg. In April 2022, the consumer price of 8.40 TL/kg increased by 343.1% compared to the same month of the previous year and 41.1% compared to the previous month.



Graph 11. Average potato prices in Turkey (TL/kg)



2022 producer price is five-month average data. 2022 consumer price is four-month average data. Source : TURKSTAT, 2022

### 3.6. Potato Subsidies in Turkey

For potato production in Turkey in 2020, Diesel-Fertilizer Support is 35 TL/ha and Certified Seed Use Support is 100 TL/ha. In Certified Seed Production Support, 0.10 TL/kg is given at the certified level and 0.20 TL/kg at the original/basic and higher levels. The alternative product support payment for the areas with Potato Wart Disease is 110 TL per decare to be paid once in three years for the same parcel as of 2019. Potatoes are in the second category in organic agriculture support and good agricultural practices, and support is provided at 40 TL/ha in individual certification and 20 TL/ha in group certification.

In 2021, a total of 38 TL/da of diesel fuel and fertilizer support was provided with 30 TL/da of diesel fuel and 8 TL/da of fertilizer. Potato is in the 2nd category in organic agriculture and good agricultural practices supports and individual product certificate is 40 TL/da and producer group certificate is 20 TL/da. Certified seed use support is 100 TL/da, certified seed production support is 0.10 TL/da at the certified level and 0.20 TL/da at the original/basic and above level.

#### 4. GENERAL OVERVIEW

Potatoes are produced and consumed by almost all countries of the world due to its high yield per unit area, high nutritional value, ease of digestion, wide usage area, and its ability to grow in all climates.

According to FAO data, approximately 359 million tons of potatoes were produced in the world in 2020. Turkey ranks 16th in world potato production with 5.2 million tons. In 2020, 1.4% of the world potato production was realized in Turkey.

Potato is a product that has an important market in the world in terms of edible fresh or processed products and seed trade. Despite Turkey's great progress in potato production, it does not have a sufficient share in the world potato trade. In 2021, Turkey's share in world potato exports was 2.1%, while its share in total export revenues was 1.4%.

According to TurkStat Crop Production 1st Estimates, potato production in 2022 is estimated to be 5.1 million tons, unchanged from the previous year. According to these estimates, potato ranks fifth in crop production after cereals, barley, sugar beet and corn.

Potato is one of the most fluctuating crops in Turkey in terms of producer and consumer prices. A model was created to determine the factors affecting potato production in Turkey and it was determined that potato farmers plant potatoes based on the price of potatoes they received the previous year, the price of fertilizer last year and the amount of potatoes consumed, i.e. demand. When the potato price and potato consumption increase in the previous year, farmers produce more potatoes. When fertilizer prices increase, it is concluded that farmers move away from potato production. When the potato price and potato consumption increase in the previous year, farmers produce more potatoes, while the increase in fertilizer prices in the previous year leads farmers away from potato production (Kadakoğlu B., Karlı B. 2021).

The COVID-19 pandemic in Turkey in March 2020 also affected potato prices. With the first case in Turkey in March 2020, the producer price of potatoes increased from 1.38 TL/kg in March 2020 to 1.60 TL/kg in April 2020 (16%), while the consumer price of 3.18 TL/kg in March 2020 increased to 4.17 TL/kg in April 2020 (31%).

Following the changes in consumption habits during the pandemic, there has been a significant increase in the demand for frozen foods. It is important for the Turkish economy to encourage and direct exports to frozen and processed products with high added value instead of fresh products.

## Additional Tables

Annex Table 1. World potato cultivation area by country (ha)

	2016	2017	2018	2019	2020
China	4.802.400	4.859.920	4.758.070	4.036.300	4.215.534
India	2.117.000	2.179.000	2.142.000	2.173.000	2.158.000
Ukraine	1.311.600	1.323.200	1.319.900	1.308.800	1.325.200
Russia	1.425.570	1.335.560	1.313.495	1.238.575	1.178.098
Bangladesh	475.488	499.725	477.419	468.395	461.351
USA	419.943	422.690	410.670	379.320	369.930
Peru	310.698	310.400	322.864	331.177	331.895
Nigeria	320.336	318.556	319.164	319.352	319.024
Germany	242.600	250.500	252.200	271.600	273.500
Belarus	292.404	275.997	271.772	266.624	253.442
Poland	309.896	329.323	290.970	302.480	225.740
France	179.129	194.055	199.560	207.160	214.500
Kazakhstan	186.242	182.895	192.326	192.328	193.806
Nepal	199.971	194.115	195.268	193.997	188.098
Pakistan	177.297	179.620	193.992	195.654	185.360
Bolivia	181.708	178.144	180.802	175.708	182.449
Egypt	158.248	174.311	171.461	177.569	178.608
Kenya	145.967	165.458	217.315	212.976	176.252
Romania	186.233	171.379	173.300	174.120	174.990
Netherlands	155.594	160.791	164.600	165.730	164.500
Other	3.792.704	3.730.320	3.626.419	3.684.951	3.724.533
World	17391028	17435959	17193567	16475816	16494810

Source: FAO, 2022

Annex Table 2. World potato production by country (tons)

	2016	2017	2018	2019	2020
China	84.928.500	88.481.500	90.259.155	75.595.403	78.183.874
India	43.417.000	48.605.000	51.310.000	50.190.000	51.300.000
Ukraine	21.750.290	22.208.220	22.503.970	20.269.190	20.837.990
Russia	22.463.487	21.707.645	22.394.960	22.074.874	19.607.361
USA	20.426.359	20.453.430	20.421.560	19.251.320	18.789.970
Germany	10.772.100	11.720.000	8.920.800	10.602.200	11.715.100
Bangladesh	9.474.099	10.215.957	9.744.412	9.655.082	9.606.000
France	6.954.983	8.547.354	7.860.380	8.560.410	8.691.900
Poland	8.872.445	9.171.733	7.311.960	6.481.620	7.848.600
Netherlands	6.534.338	7.391.881	6.025.370	6.961.230	7.020.060
United Kingdom	5.395.000	6.218.000	5.060.000	5.307.000	5.520.000
Peru	4.514.239	4.776.294	5.133.927	5.389.231	5.467.041
Canada	5.345.626	5.419.238	5.204.548	5.364.169	5.295.484
Belarus	5.984.069	6.414.755	5.864.325	6.105.294	5.231.168
Egypt	4.113.441	4.841.040	4.960.062	5.200.563	5.215.905
Turkey	4.750.000	4.800.000	4.550.000	4.979.824	5.200.000
Algeria	4.759.677	4.606.402	4.653.322	5.020.249	4.659.482
Pakistan	3.977.595	3.852.897	4.591.776	4.869.312	4.552.656
Iran	4.995.327	4.117.462	3.574.934	3.673.984	4.474.886
Kazakhstan	3.545.695	3.551.114	3.806.992	3.912.103	4.006.780
Other	71.012.934	73.014.058	71.513.719	75.349.035	75.847.146
World	353.987.204	370.113.980	365.666.172	354.812.093	359.071.403

Source: FAO, 2022

Annex Table 3. World potato imports by country (tons)

Countries	2016	2017	2018	2019	2020
Belgium	2.026.397	2.488.847	2.965.012	2.848.232	2.865.127
Netherlands	1.673.099	1.704.215	1726396	1.532.661	1.665.777
Spain	715.347	757.023	769644	-	824.103
Italy	542.727	563.137	603.021	526.847	547.545
Uzbekistan	193.623	224.675	282.222	405.755	547.151
Russia	533.639	555.779	291.178	307.123	528.747
Germany	518.898	516.172	674.142	617.132	491.328
USA	428.026	413.194	346.177	420.231	404.458
Portakiz	323.579	427.419	349.836	351.941	344.989
France	387.716	346.924	372.682	289.577	286.531
Nepal	341.252	272.046	261.604	276.495	222.193
Canada	172.352	150.153	220.203	168.113	220.425
Malaysia	232.527	226.853	247.349	235.987	217.521
Czech Republic	197.556	192.629	216.906	220.147	187.452
Ukraine	1.601	4.018	246.758	295.485	187.447
Azerbaijan	136.625	106.240	152.127	135.970	182.901
Vietnam	51.226	39.228	45.805	58.917	165.352
Romania	130.709	120.113	181.840	168.877	157.704
Austria	160.829	193.339	170.315	151.541	154.908
Greece	156.830	152.891	191.464	160.648	147.798
Other	3.550.657	3.607.633	3.350.893	2.935.182	2.891.656
World	12.475.215	13.062.528	13.665.574	12.106.861	13.241.113

Source: Trade Map, 2022

Annex Table 4. World potato exports by country (tons)

Countries	2017	2018	2019	2020	2021
France	1.855.413	2.126.757	2.119.097	2.165.813	2.217.667
Germany	1.895.972	1.832.134	1.797.522	1.890.326	1.884.848
Netherlands	838.610	867.433	1.296.204	1.121.084	1.311.972
Belgium	901.344	907.855	945.528	988.534	732.913
USA	496.097	462.568	520.795	477.238	560.326
Egypt	780.737	695.405	667.195	552.398	464.241
Pakistan	414.671	688.015	618.290	269.328	431.942
Canada	457.437	449.224	373.561	443.198	428.049
China	509.921	447.454	503.178	441.795	361.703
India	335.307	335.041	417.048	295.977	349.600
Spain	286.005	248.452	268.957	272.663	324.962
Iran	512.945	529.786	491.139	923.331	307.973
Turkey	200.488	246.248	183.891	125.611	265.185
Kazakhstan	267.574	141.694	256.302	347.052	197.202
South Africa	147.567	145.673	158.619	161.034	161.720
United Kingdom	176.167	167.833	241.782	-	154.785
Russia	166.737	147.652	289.383	353.297	111.810
Poland	28.380	32.055	26.014	26.233	98.855
Belarus	161.652	142.912	313.857	226.884	98237
Other	1.861.599	1.739.391	1.846.485	1.892.442	1.175.759
World	12.294.623	12.353.582	13.334.847	12.974.238	11.639.749

Source: Trade Map, 2022

Annex Table 5. World potato producer prices (\$/ton)

Countries	2016	2017	2018	2019	2020
Cabo Verde	2044	1948	2039	2108	2069
Jamaica	1079	1018	1322	1212	1600
Benin	1523	1411	1243	1348	1439
Yemen	746	783	672	1171	1213
Japan	1314	1009	775	802	1211
New Caledonia	889	917	949	962	984
Costa Rica	813	936	950	869	953
Qatar	-	769	742	742	934
Iceland	903	951	1002	984	911
Philippines	784	595	719	711	799
Israel	532	667	636	747	778
Sri Lanka	615	634	609	752	752
Panama	992	894	761	761	730
Indonesia	761	829	766	766	711
Nicaragua	-	-	548	487	672
Mauritius	619	648	722	691	635
Fiji	501	677	599	602	599
Vietnam	539	520	493	509	565
Greece	545	513	566	702	560
Italy	455	457	405	556	521

Source: FAO, 2022

Annex Table 6. Potato cultivation areas in Turkey by provinces (da)

Provinces	2017	2018	2019	2020	2021
Afyonkarahisar	129.131	129.925	142.163	153.387	151.038
Nigde	234.590	202.990	183.850	182.820	146.890
Konya	138.269	148.333	143.540	151.807	145.496
Kayseri	91.106	100.028	110.839	124.160	117.380
Izmir	111.665	93.804	112.100	129.000	112.344
Sivas	60.229	59.202	58.495	65.873	71.180
Aksaray	58.350	55.300	56.250	58.155	70.600
Nevsehir	61.085	62.118	70.773	69.849	68.385
Adana	65.976	64.033	66.761	60.905	60.950
Bitlis	43.960	42.305	50.095	44.920	49.075
Erzurum	34.326	35.124	35.705	35.575	35.554
Bolu	59.876	54.508	54.368	49.857	30.460
Trabzon	32.614	32.295	31.497	32.142	29.736
Hatay	35.041	19.169	18.379	24.697	25.708
Slap	28.616	24.291	21.436	23.295	20.925
Karaman	9.890	10.212	15.580	19.140	19.175
Army	19.927	19.662	17.597	17.540	17.710
Corum	12.121	12.935	17.792	17.987	16.940
Gumushane	19.263	18.979	17.080	16.104	16.100
Eskisehir	21.284	18.412	20.252	20.511	14.710
Other	161.516	155.748	164.415	182.211	168.819
Turkey	1.428.835	1.359.373	1.408.967	1.479.935	1.389.175

Source: TURKSTAT, 2022

Annex Table 7. Potato production areas in Turkey by provinces (tons)

Provinces	2017	2018	2019	2020	2021
Konya	567.076	611.957	599.699	638.171	622.435
Nigde	835.200	732.188	716.180	689.312	575.627
Afyonkarahisar	473.016	455.352	532.410	551.453	562.927
Kayseri	351.270	385.913	451.798	540.824	520.948
Izmir	396.130	330.143	390.481	435.925	447.092
Aksaray	207.810	202.371	239.650	250.349	309.132
Nevsehir	249.626	269.620	321.301	289.413	295.503
Bitlis	154.696	150.043	190.511	194.353	259.713
Adana	241.196	219.076	251.408	211.265	224.794
Sivas	182.149	169.737	180.756	192.630	194.742
Hatay	148.858	71.145	69.230	90.430	96.521
Bolu	164.778	150.327	133.681	137.129	90.970
Erzurum	75.708	85.729	88.725	88.397	70.660
Karaman	31.067	32.187	54.082	65.774	65.950
Eskisehir	86.542	59.845	79.119	76.875	60.379
Corum	41.675	40.784	55.555	54.399	54.521
Slap	72.542	61.385	53.855	59.154	50.514
Trabzon	44.395	50.893	50.317	49.434	45.679
Kahramanmaras	24.874	38.193	43.235	48.451	45.224
Yozgat	27.600	26.904	28.717	49.350	44.371
Other	423.792	406.208	449.114	486.912	462.298
Turkey	4.800.000	4.550.000	4.979.824	5.200.000	5.100.000

Source: TURKSTAT, 2022

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