

USDA Foreign Agricultural Service

# GAIN Report

Global Agricultural Information Network

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## Ukraine

### Tree Nuts Annual

### Walnuts Annual Report

**Approved By:**

Robin Gray, Agricultural Attaché

**Prepared By:**

Denys Sobolev, Agricultural Specialist

**Report Highlights:**

Post forecasts Ukraine's walnut production over 132,000 metric tons (MT) in marketing year (MY) 2018/2019. This is a twenty-two percent increase over the official production estimate in MY 2017/2018. This significant increase in production is due to better weather conditions in 2018, compared to 2017, as well as expected further expansion of production area in 2018. Industrial walnut production is gaining ground in Ukraine, driven by state support. For MY 2018/2019, exports are forecast at over 90,000 MT, a 15-percent increase over MY2017/2018. The European Union and the Middle East are expected to remain major export destinations.

**Commodities:**

Walnuts, In shell Basis

**Production:**

Walnut production area in Ukraine is forecast to increase to 18,900 hectares (ha) for MY2018/2019, a three percent increase from walnut area in MY 2017/2018. Total walnut planted area in 2017 was 18,300 ha. According to the State Statistics Service of Ukraine (SSSU), this is a thirteen percent increase over the area planted in 2016. This trend suggests that the influx of new commercial orchard planting is overriding the retirement of older, Soviet-era orchards. Similarly, yields from newly planted varieties, managed with improved production technologies using irrigation, fertilizers, pest and disease control, has offset the declines in production resulting from old walnut orchards.

Post forecasts an increase in production volume in MY2018/2019 to 132,300 MT, a twenty-two percent increase. This production increase is largely attributable to more favorable weather conditions in 2018 (compared with weather in 2017), as well as the forecasted growth in walnut production area for 2018.

According to SSSU data, Ukrainian farmers produced 108,660 MT of walnuts in 2017. Post has accepted the SSSU data as the MY2017/2018 production estimate.

The majority of all walnuts harvested in Ukraine are produced by small private family farms that harvest trees growing on their land plots or in their vicinity. This category of producers is not typically concerned with application of fertilizers and agrochemicals and uses manual labor for harvesting and shelling of the walnuts. Harvested walnuts are typically sold to intermediaries, who assemble batches designated for export. The walnut production area farmed in this manner has decreased in the last couple of years. In 2016, over 84 percent of total walnut production area was done on small private family farms. In 2017, these farms represented 74 percent of total walnut production. Post predicts this downward trend in family farms will continue in the medium to long-term due to a growing interest in commercial production.

Since 2009, Ukrainian farmers began developing walnut orchards for commercial purposes. The average size of these plantations ranges from 20 ha up to 50 ha. Some regions, especially in central and southern Ukraine, require irrigation to secure expected yields, while orchards in the northern part of the country may have lower yields because of the cooler climate. The total area of commercially grown walnut trees reached 4,800 ha in 2017, according to SSSU. This is an 84-percent increase over the commercial walnut production area in 2016. This growth in commercial production farms can be attributed to continued state financial support for orchard and berry producers (please refer to the Policy Section for more details), as well as good profit margins reported by the industry.

Industry reports confirm this growth trend in commercial farms for walnut production. The reports note that farmers are investing in the development of high-yield commercial orchards consisting of multiple walnut varieties, are installing irrigation systems and are applying fertilizers. According to industry sources, certain commercial growers have already planted as many as 500-600 ha of walnut orchards. The initial investment required to establish an orchard ranges from \$1,200 to \$1,800 per ha.

Producers prefer Ukrainian origin seedlings. Although, due to the increase in demand and the inability of local seedling producers to meet the higher demand, some new seed varieties are imported from neighboring countries, Moldova and Belarus, which feature similar growing conditions. Some growers are experimenting with imported seedling varieties to gain a competitive advantage in yield and quality. The Ukrainian State Registry of plant varieties (in [Ukrainian](#)) lists over 30 different varieties of walnuts, allowing commercial growers to pick varieties that are commercially sustainable in their area.

Most of Ukraine's individual walnut producers do not treat trees for diseases. However, with more commercial walnut production coming online and taking over poorly managed and aging orchards, these newly established commercial producers are said to pay greater attention to production technologies (beyond irrigation) to increase growing efficiencies. For example, these growers are conducting research into ideal growing areas, investing in nurseries to improve genetic stock, and applying fertilizers and pesticides to their orchards.

New walnut orchards can be expected to start bearing fruit five to seven years after being planted. At the start of the production age, walnut tree yields are low; they increase gradually and will reach their prime anywhere between fifteen to twenty years. Average yields of the newly planted trees (upon maturation) are expected to be higher than that of the older stock, due to improved commercial varieties and orchard management.

According to industry reports, commercial walnut production yields have increased as well as the quality of the product. The most advanced walnut producers have purchased the whole range of equipment allowing them to perform shelling and packing of their product. At the same time, sorting is done predominantly manually to ensure quality and consistency of the product batches. Walnut production in Ukraine is still mostly a labor-intensive business, with the majority of walnuts harvested by hand or rudimentary nut picking devices used by the previous generation of growers.

Another part of the business that is of interest to commercial growers is walnut wood, which is used for local furniture manufacture. Additionally, some wood is exported. In order to harvest wood, commercial walnut growers are planting extra trees at the stage of orchard development and after a few years, these are chopped down to harvest lumber.

Other products related to walnut value-added production are treated leaves for medicinal use and walnut (green/young nut) preserves. Surfacing in recent years is a demand for walnut oil, primarily from EU importers, creating a niche market Ukrainian producers are pursuing. There is also some domestic demand for walnut oil as a gourmet food and a key ingredient in the premium segment of natural cosmetic products.

### **Consumption:**

Post estimates walnut consumption will reach 41,500 MT in MY2017/2018, slightly above MY 2016/2017 consumption. This number is consistent with SSSU data pointing to a two to three percent growth in the 2017 production of products that utilize walnuts as an input, including bakery, confectionary, and chocolate. For example, generally speaking, there is now a greater portion of processed foods and higher-priced confectionary products that use walnuts in their recipes. Many of these confectionary products are exported. Walnut consumption for MY2018/2019 is forecast to

increase up to 42,000 MT, under the assumption of continued economic growth in the country induced by stabilization of the national currency (see Trade section).

**Trade:**

Walnut exports are estimated to grow to over 78,600 MT for MY 2017/2018, a 43-percent increase from the MY2016/2017 volume. This export growth was largely due to a sell-off of excess stocks that had accumulated in 2016 (please refer to Stocks section for more details).

In most cases, exports of walnuts are managed by private enterprises. An industry group, the Tree Nut Association, was established several years ago to assist walnut market entrants. The Association serves as a consultant to growers in various stages of the business cycle and has had some success in raising production standards in orchards, as well as assistance in targeting export markets around the world.

Ukraine's walnut exports are usually concentrated during the period October through May. In May, walnuts from the southern hemisphere become available on the world market, thus curbing demand and sales of Ukrainian products, particularly to European markets.

The vast majority of Ukrainian walnuts are exported shelled. Ukraine exported over 29,600 MT of shelled walnuts from September 2017 through May 2018, nearly a 56-percent increase against the same months of the preceding year. Out of this volume, over 11,500 MT were supplied to Middle Eastern markets and over 13,000 MT went to the EU. These regions retain their status as major export destinations. The Middle East's largest importers of shelled walnuts were Turkey – over 2,600 MT (2.9-fold increase due to import tariff cuts discussed in Policy section); Iraq – over 2,200 MT and Iran – almost 1,300 MT. (The Middle East export data reflects the period: September 2017 – May 2018.) During the same period, the major consumers within the EU were France - importing over 2,600 MT, Greece – over 1,700 MT and Bulgaria – almost 1,500 MT. It should be noted that Ukraine continues to export to its traditional markets in neighboring Eurasian Economic Union countries. Over 3,400 MT of walnuts were exported to Belarus during the September 2017 – May 2018 period. This is a 2-fold increase against the same months of the preceding year. Post believes that Belarus is not the final destination and the majority of Ukraine's exports to Belarus are likely re-exported to Russia. Among the former Soviet states, Azerbaijan remains the second largest buyer, receiving nearly 2,300 MT of Ukrainian walnut exports during the September 2017 – May 2018 period.

In shell exports of walnuts fell to slightly more than 5,800 MT from September 2017 through May 2018, an eight percent decrease against the same months of the preceding year. The two largest importers were Turkey, receiving over 2,300 MT; and Azerbaijan – over 1,100 MT during the same period.

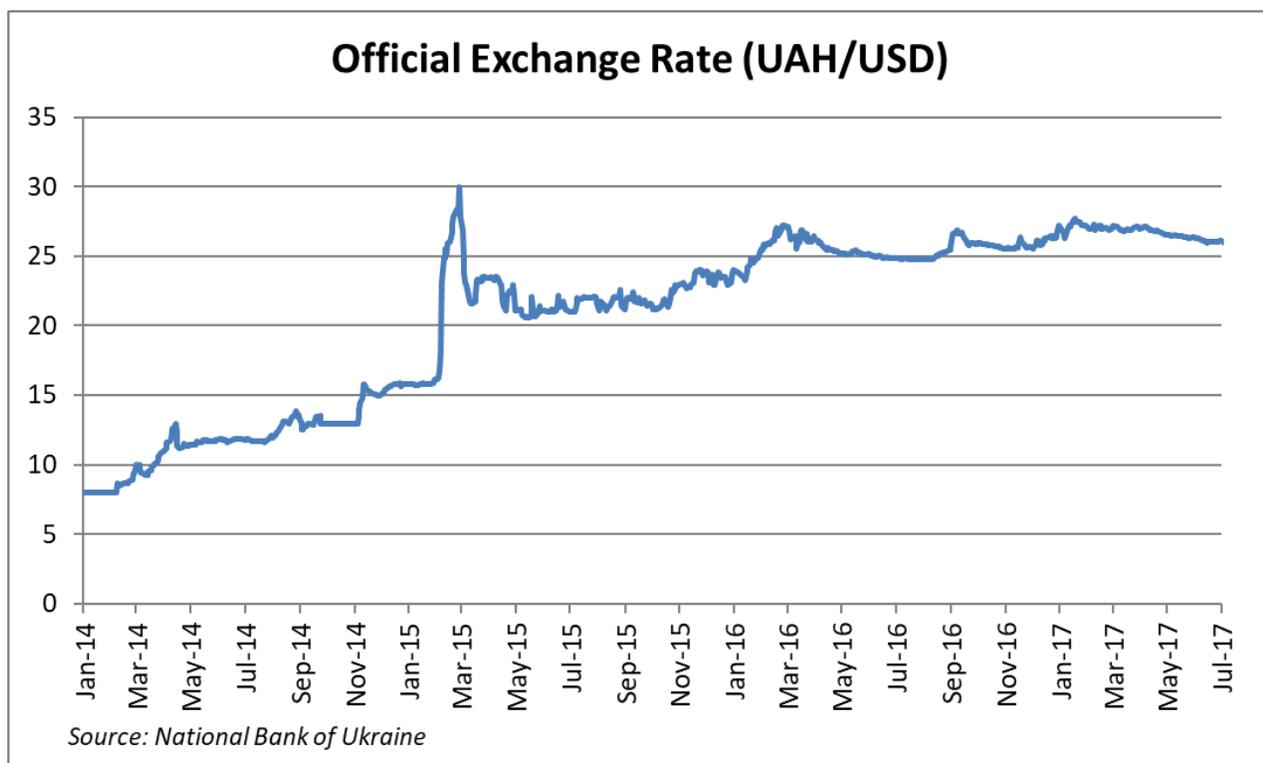
According to industry experts, the average conversion rate between shelled to in-shell walnuts in Ukraine ranges between 33-38 percent. It is expected that this ratio will improve in the future with greater commercial production development. Conversion rates for the recently established walnut orchards average around 55 percent. However, the share of these plantations is still relatively small, so the impact on the national average is minimal.

For MY2018/2019, Post forecasts Ukraine will export around 90,700 MT of walnuts, approximately a fifteen percent increase compared to the official MY2017/2018 estimate. This growth will likely occur primarily due to an expected increase in the volume of production, while consumption will remain relatively unchanged.

Ukraine has not imported any substantial volumes of walnuts due to strong domestic production that exceeds domestic consumption. Given that production volumes tend to be gradually growing, and commercial growers are increasing their role in the market, this trend is likely to continue into the future.

Although almonds and hazelnuts are widely available in local retail outlets, they are usually more expensive than walnuts. Difficult economic conditions recently experienced by Ukrainian consumers contributed toward a shift away from imported nuts in favor of locally produced walnuts and hazelnuts.

In general, consumer behavior is closely tied with the general economic situation. Ukraine's political and economic crisis, which started at the end of 2013 and lasted through the end of 2016, led to a significant devaluation of the local currency (Hryvna – UAH) and a number of trade-related problems associated with the devaluation's inflationary effect (for more details see Official Exchange Rate graph below). Since early 2016, the exchange rate has fluctuated within relatively narrow margins as the result of tight monetary policies in place by the National Bank of Ukraine.



This devaluation of the currency resulted in a slash in the volume of imported nuts to Ukraine for MY2014/2015 and this decrease continued into MY2015/2016. Currently we see a return to a growth trajectory at the beginning of MY2016/2017 (see table Select Imports of Tree Nuts in Ukraine for

details). Ukraine’s general economic recovery and stabilization of the local currency, discussed earlier, has decreased transaction costs for importers. It should be noted that for nine months of MY2017/2018, imports of almonds (in shell) spiked at the expense of other commodity positions mentioned below. Exports of pistachios are non-existent for the fourth year in a row.

Select Imports of Tree Nuts in Ukraine							
HS Code	Description	Unit	Quantity				% Change 9 months MY 2017/18 to MY 2016/17
			MY 2014/15 (Sep 14- Aug 15)	MY 2015/16 (Sep 15- Aug 16)	MY 2016/17 (Sep 16- Aug 17)	9 months MY 2017/18 (Sep 17- May 18)	
080211	Almonds, Fresh Or Dried, In Shell	T	393	385	620	868	40.00
		USD	3,359,977	3,055,929	3,782,954	5,192,543	37.26
080212	Almonds, Fresh Or Dried, Shelled	T	459	138	558	253	-54.66
		USD	4,264,241	1,300,387	3,351,896	1,614,900	-51.82
080222	Hazelnuts Or Filberts (Corylus Spp.) Fresh Or Dried, Shelled	T	762	763	805	789	-1.99
		USD	7,504,241	6,570,366	5,049,285	4,234,946	-16.13
080250	Pistachios, Fresh Or Dried, Whether Or Not Shelled	T	0	0	0	0	∞
		USD	0	0	0	0	∞

Source: World Trade Atlas

### Stocks:

Walnut stocks are difficult to calculate because large quantities are still produced by private family farms that do not report stock figures. Unless these products are exported, there is no statistical trace of stocks, or production for that matter. As commercial walnut production develops in Ukraine, growers understand that official national data must be made available in the marketplace.

In MY2016/2017, FAS Kyiv set an unusually high stocks level at over 13,000 MT (please refer to Production, Supply and Distribution section for more details). Post’s rationale behind this estimate was based on the low exports, in combination with relatively stable levels of domestic consumption (please refer to Consumption section for more details). We believe that the accumulation of stocks was caused by low export prices at the beginning of MY2016/2017, with only a gradual price recovery through the marketing year (please refer to the graph “Walnut Export Price” below for more details). Under such a situation, market players prefer to sit on stocks, waiting for a better price.



The presence of large MY2016/2017 stocks on the market is confirmed by a 56-percent growth of exports from September 2017 through May 2018, while production volumes in MY2016/2017 and MY2017/2018 remained nearly equivalent.

### Policy:

Based on Post's research, Ukraine does not have regulations in place that govern walnut production.

In the State Budget for 2018 ([in Ukrainian](#)), for the second year in a row, the Government of Ukraine maintained state support for fruit orchards, hops, and grape producers totaling 300 million UAH (approximately \$11 million). This support will stimulate further growth of commercial producers. It should be noted, that in accordance with state regulations governing distribution of funds under this program, it is intended to support farmers only through compensation of part of their production costs, including purchases of planting stocks, irrigation, infrastructure, etc. None of these subsidies support export promotion efforts.

In 2014, the European Union enacted [Regulation # 374/2014](#) (Regulation) unilaterally reducing or eliminating EU customs duties on goods originating in Ukraine. In accordance with the Regulation, EU import duties for walnuts originating in Ukraine were decreased to zero from the previous rate of 5.1 percent for shelled walnuts (HS Code 080230) and 4 percent for in-shell walnuts (HS Code 080231).

Since Ukraine was already exporting significant quantities of walnuts to the EU, this measure did not lead to a significant increase in Ukraine's walnut exports to the EU. However, it did slightly increase the competitiveness of Ukrainian walnuts within the EU market. In 2018, Turkey decreased, the custom tariffs for walnuts to 15 percent from 43.2 percent (please refer to [GAIN Report TR8003](#) for more details).

### **Marketing:**

Ukrainians consume walnuts in their everyday diets. It is a common ingredient in dessert-type dishes and in local cuisine. Walnuts are often consumed raw as well as slightly roasted. Walnut oil is becoming a niche product. Cold-pressed oil is highly valued for its nutritional purposes. Industrial walnut oil production is on the rise in Ukraine in recent years.

Walnuts are often sold in bulk in farmers' markets in Ukraine (both shelled and in-shell). Local food stores prefer to carry pre-packaged walnuts. However, in this case, the price of walnuts is only slightly lower than that of almonds or cashews, often considered by Ukrainian consumers as premium-quality nuts. Despite this similarity in price for packaged walnuts, consumers continue to view walnuts as lower-priced. Many Ukrainians have walnut trees in their backyards that provide sufficient annual supplies for a family. Thus, local consumers are not keen on purchasing packaged walnuts (relative to other tree nuts, where demand for packaged nuts is greater). Ukrainian consumers do purchase almonds and other imported tree nuts on occasion, but the locally grown walnuts and hazelnuts are the 'go to' nuts they prefer when it comes to day-to-day food choices.

Another market segment of walnut buyers in Ukraine is the confectionary industry. Producers of chocolates, sweets, desserts, bakery products and snacks are the most reliable users of walnuts in the local market.

### **Production, Supply and Distribution Data Statistics:**

Post's ending stocks for MY2016/2017, and subsequently beginning stocks for MY2017/2018, are around 790 percent higher than USDA's official data for the reasons discussed in Stocks section.

Post's production estimate is approximately four percent lower than USDA's official data for MY2017/2018, based on available data by SSSU.

Post's export estimate is about five percent higher than USDA's official data for MY2017/2018, based on already available export data.

Post's domestic consumption estimate is around 20 percent lower than USDA's official data for MY2016/2017 and around nine percent higher for MY2017/2018 based on relatively stable consumption patterns discussed in the Consumption Section of this report.

For the purpose of this report, PS&D tables are calculated on the basis of in-shell weight by multiplying

the weight of shelled walnuts (HS Code: 080232) by 2.34.

It should be noted that, the number of trees included in the PSD is an estimate calculated by FAS Kyiv using production area as reported by SSSU and tree density approximation for both industrial orchards and household trees.

Walnuts, Inshell Basis Market Begin Year Ukraine	2016/2017		2017/2018		2018/2019	
	Sep 2016		Sep 2017		Sep 2018	
	USDA Official	New Post	USDA Official	New Post	USDA Official	New Post
Area Planted	0	16100	0	18300	0	18900
Area Harvested	0	16100	0	18300	0	18900
Bearing Trees	0	3164	0	3205	0	3246
Non-Bearing Trees	0	419	0	554	0	561
Total Trees	0	3583	0	3759	0	3807
Beginning Stocks	1400	1400	1700	13423	0	2160
Production	108000	107990	113000	108660	0	132300
Imports	0	109	0	217	0	40
Total Supply	109400	109499	114700	122300	0	134500
Exports	56100	55076	75000	78640	0	90700
Domestic Consumption	51600	41000	38100	41500	0	42000
Ending Stocks	1700	13423	1600	2160	0	1800
Total Distribution	109400	109499	114700	122300	0	134500
(HA) ,(1000 TREES) ,(MT)						

**Author Defined:**

## Walnut (In Shell) Exports from Ukraine by Destination, MY, MT (HS Code 080231)

Origin	MY 2014/15 (Sep 14-Aug 15)		MY 2015/16 (Sep 15-Aug 16)		MY 2016/17 (Sep 16-Aug 17)		% Change MY 2016/17 to MY 2015/16
	Quantity	% Share	Quantity	% Share	Quantity	% Share	
<b>World</b>	<b>5,640.0</b>	<b>100.00</b>	<b>10,272.0</b>	<b>100.00</b>	<b>6,537.0</b>	<b>100.00</b>	<b>- 36.37</b>
Middle East	4,298.0	76.22	8,985.0	87.47	5,782.0	88.46	- 35.65
South Asia	96.0	1.70	277.0	2.69	277.0	4.24	0.31
EU-28	1,203.0	21.32	258.0	2.51	184.0	2.81	- 28.79
East & Southeast Asia	0.0	0.00	92.0	0.89	27.0	0.41	- 70.51
Eurasian Economic Union	22.0	0.38	23.0	0.22	21.0	0.32	- 8.76
Africa	0.0	0.00	116.0	1.13	8.0	0.12	- 93.21
Turkey	2,703.0	47.93	6,368.0	61.99	3,817.0	58.40	- 40.06
Iraq	1,254.0	22.23	2,058.0	20.03	1,331.0	20.37	- 35.30
Azerbaijan	143.0	2.54	198.0	1.93	591.0	9.04	198.14
India	96.0	1.70	92.0	0.90	167.0	2.56	82.03
Albania	21.0	0.37	44.0	0.43	152.0	2.32	244.83
Pakistan	0.0	0.00	162.0	1.57	72.0	1.10	- 55.42
Italy	0.0	0.00	19.0	0.18	52.0	0.80	181.08
Macedonia	0.0	0.00	0.0	0.00	42.0	0.64	0.00
Nepal	0.0	0.00	0.0	0.00	38.0	0.58	0.00
Spain	40.0	0.71	0.0	0.00	26.0	0.40	0.00
Lebanon	22.0	0.39	115.0	1.11	23.0	0.35	- 79.91
Poland	0.0	0.00	0.0	0.00	22.0	0.34	0.00
China	0.0	0.00	21.0	0.20	22.0	0.34	4.50
France	0.0	0.00	0.0	0.00	22.0	0.34	0.00
Bosnia & Herzegovina	22.0	0.39	22.0	0.21	22.0	0.34	0.00
Uzbekistan	0.0	0.00	22.0	0.21	22.0	0.34	0.44
Slovakia	0.0	0.00	0.0	0.00	22.0	0.33	0.00
Belarus	0.0	0.00	23.0	0.22	21.0	0.32	- 8.76
Georgia	0.0	0.00	22.0	0.21	20.0	0.31	- 9.09
Netherlands	0.0	0.00	0.0	0.00	20.0	0.31	0.00
United Kingdom	0.0	0.00	0.0	0.00	9.0	0.14	0.00
Tunisia	0.0	0.00	0.0	0.00	8.0	0.12	0.00
Cyprus	0.0	0.00	14.0	0.14	6.0	0.09	- 57.15
Vietnam	0.0	0.00	45.0	0.43	5.0	0.08	- 88.76
Lithuania	0.0	0.00	15.0	0.15	3.0	0.05	- 80.62
Greece	0.0	0.00	2.0	0.02	2.0	0.03	0.00
Iran	131.0	2.32	45.0	0.44	0.0	0.00	- 100.00
Bulgaria	383.0	6.78	0.0	0.00	0.0	0.00	0.00
Moldova	0.0	0.00	138.0	1.34	0.0	0.00	- 100.00
Romania	780.0	13.83	207.0	2.02	0.0	0.00	- 100.00
Turkmenistan	0.0	0.00	273.0	2.65	0.0	0.00	- 100.00
United Arab Emirates	0.0	0.00	158.0	1.54	0.0	0.00	- 100.00
Other	46.0	0.0	212.0	0.0	0.0	0.0	-100.0

Source: State Fiscal Service of Ukraine

## Walnut (In Shell) Exports from Ukraine by Month and Destination, MT (HS 080231)

Origin	Subtotal Sep 2016-May 2017	Subtotal MY 2016/17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Subtotal Sep 2017-May 2018	% Share Sep 2017-May 2018 to MY2016/17	% Change Sep 2017 - May 2018 to Sep 2016 - May 2017
<b>World</b>	<b>6,398.0</b>	<b>6,538.0</b>	<b>0.0</b>	<b>1,150.0</b>	<b>1,629.0</b>	<b>1,131.0</b>	<b>712.0</b>	<b>684.0</b>	<b>341.0</b>	<b>191.0</b>	<b>102.0</b>	<b>5,838.0</b>	<b>89.3</b>	<b>91.2</b>
Middle East	5,708.0	5,783.0	0.0	943.0	986.0	916.0	689.0	603.0	275.0	144.0	68.0	4,556.0	78.8	79.8
EU-28	162.0	184.0	0.0	98.0	373.0	168.0	22.0	16.0	0.0	0.0	22.0	677.0	367.9	417.9
Eurasian Economic Union	21.0	21.0	0.0	21.0	74.0	2.0	2.0	0.0	0.0	0.0	0.0	99.0	471.4	471.4
Africa	8.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	47.0	0.0	91.0	1,137.5	1,137.5
East & Southeast Asia	22.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Asia	240.0	278.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Turkey	3,752.0	3,817.0	0.0	606.0	233.0	254.0	419.0	445.0	255.0	120.0	68.0	2,332.0	61.1	62.2
Spain	26.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0
Bosnia & Herzegovina	22.0	22.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0	12.0	21.0	95.5	95.5
Bulgaria	0.0	0.0	0.0	22.0	22.0	44.0	22.0	0.0	0.0	0.0	0.0	110.0	∞	∞
China	22.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Croatia	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	∞	∞
Cyprus	6.0	6.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	533.3	533.3
France	22.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Georgia	20.0	20.0	0.0	0.0	0.0	58.0	0.0	0.0	0.0	0.0	0.0	58.0	290.0	290.0
Germany	0.0	0.0	0.0	0.0	0.0	36.0	0.0	0.0	0.0	0.0	0.0	36.0	∞	∞
Greece	2.0	2.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	1,050.0	1,050.0
India	168.0	168.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iran	0.0	0.0	0.0	69.0	0.0	79.0	0.0	0.0	0.0	0.0	0.0	148.0	∞	∞
Iraq	1,322.0	1,332.0	0.0	105.0	321.0	178.0	47.0	24.0	0.0	24.0	0.0	699.0	52.5	52.9
Italy	52.0	52.0	0.0	0.0	10.0	0.0	0.0	6.0	0.0	0.0	0.0	16.0	30.8	30.8
Lebanon	23.0	23.0	0.0	25.0	23.0	24.0	0.0	0.0	20.0	0.0	0.0	92.0	400.0	400.0
Lithuania	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Macedonia	42.0	42.0	0.0	0.0	22.0	22.0	0.0	0.0	0.0	0.0	0.0	44.0	104.8	104.8
Moldova	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	22.0	0.0	0.0	66.0	∞	∞
Morocco	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	11.0	∞	∞
Nepal	0.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	∞
Netherlands	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oman	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	22.0	∞	∞
Pakistan	72.0	72.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Poland	22.0	22.0	0.0	50.0	83.0	21.0	0.0	0.0	0.0	0.0	0.0	154.0	700.0	700.0
Romania	0.0	0.0	0.0	26.0	203.0	65.0	0.0	10.0	0.0	0.0	0.0	304.0	∞	∞
Serbia	0.0	0.0	0.0	22.0	66.0	0.0	0.0	0.0	0.0	0.0	0.0	88.0	∞	∞
Slovakia	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	∞
Slovenia	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	∞	∞
Sweden	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	∞	∞
Tunisia	8.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	14.0	175.0	175.0
Turkmenistan	0.0	0.0	0.0	0.0	46.0	0.0	0.0	0.0	0.0	0.0	0.0	46.0	∞	∞
United Arab Emirates	0.0	0.0	0.0	0.0	0.0	44.0	34.0	0.0	0.0	0.0	0.0	78.0	∞	∞
United Kingdom	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uzbekistan	22.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vietnam	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	∞
Albania	152.0	152.0	0.0	66.0	22.0	23.0	0.0	0.0	0.0	0.0	0.0	111.0	73.0	73.0
Algeria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	22.0	0.0	66.0	∞	∞
Azerbaijan	591.0	591.0	0.0	138.0	409.0	279.0	189.0	112.0	0.0	0.0	0.0	1,127.0	190.7	190.7
Belarus	21.0	21.0	0.0	21.0	74.0	2.0	2.0	0.0	0.0	0.0	0.0	99.0	471.4	471.4

Source: State Fiscal Service of Ukraine

## Walnut (Shelled) Exports from Ukraine by Destination, MY, MT (HS Code 080232)

Origin	MY 2014/15 (Sep 14-Aug 15)		MY 2015/16 (Sep 15-Aug 16)		MY 2016/17 (Sep 16-Aug 17)		% Change MY 2016/17 to MY 2015/16
	Quantity	% Share	Quantity	% Share	Quantity	% Share	
<b>World</b>	<b>23,061.0</b>	<b>100.00</b>	<b>27,991.0</b>	<b>100.00</b>	<b>20,743.0</b>	<b>100.00</b>	<b>- 25.89</b>
Middle East	11,826.0	51.28	18,840.0	67.31	10,911.0	52.60	- 42.09
EU-28	8,410.0	36.47	6,545.0	23.38	7,126.0	34.35	8.88
Eurasian Economic Union	149.0	0.64	415.0	1.48	1,792.0	8.64	332.00
Africa	459.0	1.99	277.0	0.99	182.0	0.88	- 34.32
South Asia	0.0	0.00	66.0	0.24	14.0	0.07	- 78.77
East & Southeast Asia	319.0	1.38	642.0	2.30	0.0	0.00	- 100.00
Iraq	3,239.0	14.04	5,655.0	20.20	3,992.0	19.24	- 29.41
Azerbaijan	1,674.0	7.26	1,685.0	6.02	2,096.0	10.10	24.35
France	1,974.0	8.56	1,586.0	5.67	2,016.0	9.72	27.15
Belarus	64.0	0.28	350.0	1.25	1,712.0	8.25	388.86
Iran	3,244.0	14.07	6,591.0	23.55	1,427.0	6.88	- 78.35
Greece	1,041.0	4.51	1,320.0	4.72	1,396.0	6.73	5.74
Lebanon	1,166.0	5.05	1,391.0	4.97	1,119.0	5.40	- 19.55
Turkey	878.0	3.81	2,135.0	7.63	1,050.0	5.06	- 50.82
Georgia	356.0	1.54	450.0	1.61	846.0	4.08	88.22
Hungary	1,438.0	6.24	419.0	1.50	617.0	2.97	47.26
Italy	225.0	0.98	273.0	0.98	526.0	2.53	92.35
Netherlands	597.0	2.59	199.0	0.71	445.0	2.14	123.80
Austria	228.0	0.99	237.0	0.85	406.0	1.96	71.21
Slovakia	105.0	0.46	288.0	1.03	305.0	1.47	5.68
Lithuania	170.0	0.74	204.0	0.73	300.0	1.45	47.41
Bosnia & Herzegovina	430.0	1.86	167.0	0.60	265.0	1.28	59.06
Bulgaria	516.0	2.24	493.0	1.76	228.0	1.10	- 53.78
United Arab Emirates	89.0	0.39	172.0	0.62	185.0	0.89	7.11
Poland	39.0	0.17	30.0	0.11	179.0	0.86	503.34
Montenegro	20.0	0.09	44.0	0.16	163.0	0.78	269.32
United Kingdom	0.0	0.00	134.0	0.48	151.0	0.73	12.78
Spain	407.0	1.77	203.0	0.73	117.0	0.57	- 42.34
Algeria	223.0	0.96	159.0	0.57	117.0	0.56	- 26.33
Croatia	0.0	0.00	98.0	0.35	99.0	0.48	0.98
Germany	257.0	1.11	189.0	0.68	92.0	0.45	- 51.15
Moldova	1,316.0	5.71	686.0	2.45	84.0	0.40	- 87.76
Romania	1,330.0	5.77	565.0	2.02	78.0	0.38	- 86.22
Slovenia	30.0	0.13	102.0	0.36	77.0	0.37	- 24.52
Serbia	84.0	0.36	25.0	0.09	72.0	0.35	188.00
Saudi Arabia	177.0	0.77	34.0	0.12	70.0	0.34	104.93
Macedonia	71.0	0.31	0.0	0.00	69.0	0.33	0.00
Kuwait	63.0	0.27	29.0	0.10	67.0	0.32	130.95
Turkmenistan	0.0	0.00	196.0	0.70	66.0	0.32	- 66.33
Armenia	65.0	0.28	0.0	0.00	60.0	0.29	0.00
Czech Republic	0.0	0.00	53.0	0.19	45.0	0.22	- 14.33
Albania	44.0	0.19	43.0	0.15	41.0	0.20	- 4.65
Tunisia	38.0	0.16	11.0	0.04	29.0	0.14	169.27
Liberia	0.0	0.00	0.0	0.00	22.0	0.11	0.00
Kyrgyzstan	0.0	0.00	0.0	0.00	20.0	0.10	0.00
Belgium	10.0	0.04	62.0	0.22	20.0	0.10	- 67.91
Portugal	0.0	0.00	44.0	0.16	15.0	0.07	- 65.91
Cyprus	0.0	0.00	26.0	0.09	14.0	0.07	- 46.15
Libya	0.0	0.00	60.0	0.21	14.0	0.07	- 76.67
United States	0.0	0.00	0.0	0.00	10.0	0.05	0.00
Syria	419.0	1.82	402.0	1.44	0.0	0.00	- 100.00
Thailand	99.0	0.43	76.0	0.27	0.0	0.00	- 100.00
Vietnam	220.0	0.95	233.0	0.83	0.0	0.00	- 100.00
Jordan	457.0	1.98	275.0	0.98	0.0	0.00	- 100.00
China	0.0	0.00	309.0	1.10	0.0	0.00	- 100.00
Egypt	198.0	0.86	42.0	0.15	0.0	0.00	- 100.00
Other	63.00	0.00	248.00	0.01	22.00	0.00	-91.13

Source: State Fiscal Service of Ukraine

## Walnut (Shelled) Exports from Ukraine by Month and Destination, MT (HS 080232)

Origin	Subtotal Sep 2016-May 2017	Subtotal MY 2016/17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Subtotal Sep 2017-May 2018	% Share Sep 2017-May 2018 to MY2016/17	% Change Sep 2017 - May 2018 to Sep 2016 - May 2017
<b>World</b>	<b>19,045.0</b>	<b>20,744.0</b>	<b>68.0</b>	<b>1,844.0</b>	<b>6,248.0</b>	<b>6,202.0</b>	<b>3,756.0</b>	<b>3,846.0</b>	<b>3,479.0</b>	<b>2,279.0</b>	<b>1,963.0</b>	<b>29,685.0</b>	<b>143.1</b>	<b>155.9</b>
Middle East	10,248.0	10,912.0	20.0	1,028.0	2,387.0	2,165.0	1,422.0	1,561.0	1,108.0	938.0	907.0	11,536.0	105.7	112.6
EU-28	6,295.0	7,126.0	48.0	786.0	2,925.0	2,612.0	1,587.0	1,618.0	1,750.0	955.0	905.0	13,186.0	185.0	209.5
Africa	182.0	182.0	0.0	12.0	13.0	21.0	0.0	73.0	61.0	58.0	65.0	303.0	166.5	166.5
Eurasian Economic Union	1,745.0	1,794.0	0.0	3.0	679.0	1,094.0	685.0	421.0	384.0	226.0	5.0	3,497.0	194.9	200.4
East & Southeast Asia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	17.0	∞	∞
South Asia	5.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Turkey	902.0	1,051.0	0.0	10.0	372.0	284.0	527.0	505.0	369.0	229.0	324.0	2,620.0	249.3	290.5
Iraq	3,826.0	3,991.0	0.0	123.0	558.0	382.0	218.0	179.0	273.0	247.0	268.0	2,248.0	56.3	58.8
France	1,793.0	2,016.0	6.0	38.0	260.0	555.0	446.0	491.0	367.0	214.0	238.0	2,615.0	129.7	145.8
Iran	1,391.0	1,427.0	20.0	358.0	269.0	44.0	22.0	133.0	199.0	112.0	134.0	1,291.0	90.5	92.8
Bulgaria	215.0	228.0	0.0	66.0	325.0	223.0	198.0	170.0	265.0	129.0	109.0	1,485.0	651.3	690.7
Austria	325.0	405.0	0.0	20.0	135.0	194.0	91.0	92.0	187.0	66.0	88.0	873.0	215.6	268.6
Greece	1,327.0	1,397.0	0.0	243.0	626.0	240.0	80.0	204.0	201.0	61.0	81.0	1,736.0	124.3	130.8
Lebanon	1,028.0	1,120.0	0.0	218.0	315.0	328.0	110.0	88.0	35.0	131.0	66.0	1,291.0	115.3	125.6
Germany	72.0	93.0	0.0	41.0	104.0	209.0	79.0	165.0	201.0	80.0	62.0	941.0	1,011.8	1,306.9
Georgia	782.0	848.0	0.0	70.0	119.0	222.0	50.0	59.0	121.0	75.0	49.0	765.0	90.2	97.8
Czech Republic	45.0	45.0	0.0	20.0	75.0	46.0	22.0	39.0	37.0	64.0	46.0	349.0	775.6	775.6
Azerbaijan	1,940.0	2,097.0	0.0	179.0	525.0	657.0	277.0	504.0	88.0	20.0	44.0	2,294.0	109.4	118.2
Libya	14.0	14.0	0.0	0.0	13.0	10.0	0.0	22.0	20.0	40.0	43.0	148.0	1,057.1	1,057.1
Romania	58.0	78.0	0.0	14.0	131.0	357.0	169.0	64.0	61.0	40.0	41.0	877.0	1,124.4	1,512.1
Netherlands	391.0	445.0	0.0	0.0	124.0	164.0	184.0	20.0	141.0	132.0	40.0	805.0	180.9	205.9
Slovenia	67.0	77.0	0.0	16.0	85.0	45.0	34.0	46.0	36.0	25.0	40.0	327.0	424.7	488.1
Lithuania	291.0	301.0	0.0	0.0	119.0	82.0	20.0	40.0	40.0	20.0	40.0	361.0	119.9	124.1
Macedonia	40.0	69.0	0.0	0.0	88.0	62.0	21.0	43.0	42.0	9.0	39.0	304.0	440.6	760.0
Hungary	428.0	617.0	42.0	36.0	104.0	63.0	42.0	21.0	63.0	21.0	32.0	424.0	68.7	99.1
Italy	526.0	526.0	0.0	97.0	177.0	80.0	70.0	82.0	48.0	0.0	25.0	579.0	110.1	110.1
United Arab Emirates	185.0	185.0	0.0	22.0	22.0	67.0	22.0	0.0	0.0	0.0	22.0	155.0	83.8	83.8
Tunisia	29.0	29.0	0.0	12.0	0.0	11.0	0.0	51.0	22.0	18.0	22.0	136.0	469.0	469.0
Sweden	8.0	8.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	21.0	25.0	312.5	312.5
Poland	159.0	179.0	0.0	50.0	218.0	183.0	100.0	80.0	22.0	43.0	21.0	717.0	400.6	450.9
Bosnia & Herzegovina	181.0	266.0	0.0	0.0	142.0	165.0	0.0	82.0	69.0	42.0	21.0	521.0	195.9	287.8
Spain	98.0	118.0	0.0	0.0	142.0	48.0	11.0	41.0	0.0	40.0	20.0	302.0	255.9	308.2
Denmark	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	32.0	∞	∞
Cyprus	14.0	14.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	10.0	50.0	357.1	357.1
Belarus	1,665.0	1,714.0	0.0	3.0	634.0	1,072.0	685.0	421.0	384.0	216.0	5.0	3,420.0	199.5	205.4
Belgium	20.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	100.0	100.0
Croatia	93.0	99.0	0.0	63.0	77.0	41.0	0.0	0.0	19.0	0.0	0.0	200.0	202.0	215.1
Albania	41.0	41.0	0.0	0.0	21.0	21.0	0.0	0.0	0.0	0.0	0.0	42.0	102.4	102.4
Algeria	117.0	117.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Armenia	60.0	60.0	0.0	0.0	45.0	22.0	0.0	0.0	0.0	10.0	0.0	77.0	128.3	128.3
Israel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	42.0	0.0	64.0	∞	∞
Moldova	84.0	84.0	0.0	0.0	0.0	22.0	21.0	7.0	0.0	0.0	0.0	50.0	59.5	59.5
Montenegro	153.0	163.0	0.0	16.0	34.0	41.0	20.0	21.0	41.0	41.0	0.0	214.0	131.3	139.9
Liberia	22.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Saudi Arabia	70.0	70.0	0.0	0.0	24.0	44.0	22.0	0.0	0.0	0.0	0.0	90.0	128.6	128.6
Serbia	51.0	72.0	0.0	0.0	0.0	21.0	0.0	21.0	0.0	21.0	0.0	63.0	87.5	123.5
Slovakia	244.0	304.0	0.0	42.0	123.0	83.0	41.0	43.0	41.0	21.0	0.0	394.0	129.6	161.5
Jordan	0.0	0.0	0.0	23.0	125.0	90.0	139.0	71.0	24.0	50.0	0.0	522.0	∞	∞
Kuwait	68.0	68.0	0.0	25.0	12.0	24.0	12.0	0.0	0.0	22.0	0.0	95.0	139.7	139.7
Latvia	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	∞	∞
Syria	0.0	0.0	0.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	0.0	23.0	∞	∞
Turkmenistan	66.0	66.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
United Kingdom	131.0	151.0	0.0	0.0	40.0	0.0	0.0	7.0	0.0	0.0	0.0	47.0	31.1	35.9
Other	41.0	65.0	6.0	6.0	8.0	6.0	6.0	18.0	70.0	6.0	6.0	84.0	129.2	204.9

Source: State Fiscal Service of Ukraine

## Walnut (In Shell) Imports to Ukraine by Origin, MY, MT (HS 080231)

Origin	MY 2014/15 (Sep 14-Aug 15)		MY 2015/16 (Sep 15-Aug 16)		MY 2016/17 (Sep 16-Aug 17)		% Change MY 2016/17 to MY 2015/16
	Quantity	% Share	Quantity	% Share	Quantity	% Share	
<b>World</b>	<b>46.0</b>	<b>100.00</b>	<b>40.0</b>	<b>100.00</b>	<b>100.0</b>	<b>100.00</b>	<b>150.55</b>
Chile	0.0	0.00	0.0	0.00	100.0	99.99	0.00
United States	0.0	0.00	0.0	0.00	0.0	0.01	0.00
Belize	0.0	0.00	40.0	100.00	0.0	0.00	- 100.00
Iraq	46.0	100.00	0.0	0.00	0.0	0.00	0.00

Source: State Fiscal Service of Ukraine

## Walnut (InShell) Imports to Ukraine by Month and Origin, MT (HS 080231)

Origin	Subtotal Sep 2016-May 2017	Subtotal MY 2016/17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Subtotal Sep 2017-May 2018	% Share Sep 2017-May 2018 to MY2016/17	% Change Sep 2017 - May 2018 to Sep 2016 - May 2017
<b>World</b>	<b>0.0</b>	<b>100.0</b>	<b>37.0</b>	<b>57.0</b>	<b>0.0</b>	<b>77.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>20.0</b>	<b>191.0</b>	<b>191.0</b>	<b>∞</b>
Chile	0.0	100.0	37.0	57.0	0.0	54.0	0.0	0.0	0.0	0.0	20.0	168.0	168.0	∞
Iraq	0.0	0.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	0.0	0.0	23.0	∞	∞
United States	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	∞	∞

Source: State Fiscal Service of Ukraine

## Walnut (Shelled) Imports to Ukraine by Origin, MY, MT (HS Code 080232)

Origin	MY 2014/15 (Sep 14-Aug 15)		MY 2015/16 (Sep 15-Aug 16)		MY 2016/17 (Sep 16-Aug 17)		% Change MY 2016/17 to MY 2015/16
	Quantity	% Share	Quantity	% Share	Quantity	% Share	
<b>World</b>	<b>2.0</b>	<b>100.00</b>	<b>6.0</b>	<b>100.00</b>	<b>4.0</b>	<b>100.00</b>	<b>- 40.39</b>
EU-28	1.0	32.81	5.0	85.18	0.0	1.23	- 99.14
Tajikistan	0.0	0.00	0.0	0.00	1.0	36.88	0.00
Uzbekistan	0.0	5.66	0.0	1.33	1.0	34.88	1465.00
Chile	0.0	16.33	1.0	12.99	0.0	13.64	- 37.39
United States	1.0	45.20	0.0	0.51	0.0	13.37	1468.63
Belgium	0.0	0.00	0.0	0.00	0.0	1.20	0.00
France	0.0	0.00	0.0	0.00	0.0	0.03	0.00
Germany	1.0	31.68	0.0	1.95	0.0	0.00	- 100.00
Hungary	0.0	0.00	0.0	0.19	0.0	0.00	- 100.00
Lithuania	0.0	0.00	5.0	83.04	0.0	0.00	- 100.00
United Kingdom	0.0	1.13	0.0	0.00	0.0	0.00	0.00

Source: State Fiscal Service of Ukraine

Walnut (Shelled) Imports to Ukraine by Month and Origin, MT (HS Code 080232)

Origin	Subtotal Sep 2016-May 2017	Subtotal MY 2016/17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Subtotal Sep 2017-May 2018	% Share Sep 2017-May 2018 to MY2016/17	% Change Sep 2017 - May 2018 to Sep 2016 - May 2017
World	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	11.0	550.0	550.0
East & Southeast Asia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	11.0	∞	∞
EU-28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	∞	∞
United States	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	∞	∞
Uzbekistan	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Belgium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	∞	∞
Chile	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	∞	∞
China	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	11.0	∞	∞
France	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	∞	∞
Tajikistan	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
United Kingdom	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	∞	∞

Source: State Fiscal Service of Ukraine