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Report Highlights:

The full-scale invasion launched by Russia in February 2022 sent seismic shocks throughout the Ukrainian economy, with agriculture bearing a direct impact. It led to a breakdown of farming operations due to the fighting and shelling on farm lands, while crippling agricultural logistics out of the country, leaving farmers unable to sell their crops at reasonable prices. Production volumes for all major grains dropped in MY2022/23 due to military activities. Post forecasts a further drop in production for MY2023/24 as Ukrainian farmers are employing mitigation strategies to stay afloat during the crisis. Grain exports are forecast to decrease alongside production for MY2023/24. MY2022/23 exports were below pre-war levels and remained at the level of the previous MY as the result of ability for exporting large ending stocks amassed back in MY2021/22 due to a port blockage.

Data included in this report is not official USDA data. Official USDA data is available at <https://apps.fas.usda.gov/psdonline/app/index.html#/app/home>

Disclaimer: Due to the military situation, there is no publicly available official SSSU information on the status of Ukrainian agriculture located in Ukrainian government-controlled areas. For this report, Post cannot provide any production estimates on Russia-occupied territories (except for the Crimean Peninsula) due to the need for more credible and verifiable information on the status of affairs there. Due to the rapidly-changing situation, this report provides a snapshot of the situation accompanied by assumptions and estimates that made sense at the time of the report writing.

Production:

In February 2022, Russia launched a large-scale military invasion of Ukraine. According to Forbes Ukraine ([in Ukrainian](#)), in 2022, the maximum Russia-occupied territory was around 150,000 sq. km (the equivalent of Illinois), and this area shrunk down to about 109,000 sq. km (the equivalent of Tennessee) today. The distribution of still-occupied territories overlaid in Ukrainian regions is presented in the image below.

Figure 1: Map of occupied territories



Source: Institute for the Study of War (21:00 GMT, 9 March)



Source: tsn.ua

It should be noted that six regions (excluding Crimea) Russia occupied since the beginning of the invasion were responsible for over 32 percent of the total production volume of all major crops in 2021.

The war is having a profound and long-lasting negative impact on agricultural production. At the time of the report writing, it could be characterized as a high-intensity military conflict with the extensive usage of military-grade equipment and munitions alongside the frontline, which stretches across 1500 km (as of January 2023). There are multiple reports of farm infrastructure destroyed and agricultural machinery burned down or stolen by occupying Russian forces.

Below is the image depicting the impact of intensive artillery strikes on agricultural areas. The widespread use of land mines makes the movements of farm machinery and workers a risky endeavor, even when the active military activities are over. Post expects minimal agricultural production levels in the current military conflict and adjacent areas. According to the Government of Ukraine, over 470,000 ha () in 9 Ukrainian government-controlled regions require demining ([in Ukrainian](#)).

Figure 2: Satellite image of shelling in fields



Source: [Maxar](#)

Post does not have accurate information about the agricultural situation in Russia-occupied areas (except for Crimea, which is covered by Russian official statistics). However, we could safely assume subsistence-level agriculture is taking place, i.e., when farmers produce crops to sell on regional markets to support their livelihoods and the needs of their communities. This assumption is based on reports about occupational administrations' abuse of property rights, including stolen agricultural machinery, forced grain selling for cents on the dollar, and whole farms taken away from their rightful owners. Considering the abovementioned, Post cannot correctly estimate grain production volumes on these territories with an acceptable level of accuracy and would abstain from including these estimates in the current report.

It should be noted that spring planting in CY2022 was somewhat inertia-driven when a majority of Ukrainian farmers did not expect prolonged military conflict that would have a long impact on their operations, including a severe breakdown of agricultural exports from Ukraine due to seaport blockade by Russian navy (see Trade section). This business-as-usual mindset left them with massive ending stocks of all major grains for MY2021/22 (see Stocks Section). Based on the grain prices, Post estimates that farmers were left with over \$1.6 billion frozen in unsold grains by the end of MY2021/22. Given the

traumatic experience with sizeable volumes of unsold grains as well as existing issues with agricultural exports for MY2022/23 (see Trade Section), Post estimates a shift towards increased areas of oilseeds as well as crops that could be sold on the domestic market (buckwheat, sugar beets, etc.) at the expense of grain areas for MY2023/24.

The table below for MY2023/24 grain area forecast is a combination of the winter crop area estimates for CY2022 reported by Ag Ministry with Post's assumptions regarding spring planting areas for CY2023.

Crop Area Estimates for MY2023/24 and Historical Data

	MY2021/22 (actual)	MY2022/23 (estimate)	MY2023/24 Winter Area (as of Nov 2022)	MY2023/24 Spring Area (forecast)	Total Area MY2023/24 (forecast)	MY2023/24 (forecast) vs MY2022/23 (estimate)
Total Agricultural Crops	28,581	22,837	5,449	17,450	22,899	100.3%
Wheat	7,090	4,983	3,759	300	4,059	-18.6%
Barley	2,472	1,668	613	700	1,313	-21.3%
Corn	5,482	4,233		3,300	3,300	-22.0%
Rye	172	109	79		79	-27.3%
Major Grains Total	15,044	10,993	4,451	4,300	8,751	-20.4%
Major Oilseeds Total	8,986	7,544	999	7,450	8,449	112.0%
Others*	4,551	4,300		5,700	5,700	132.6%

* -crops that are predominantly sold on the domestic market, i.e., buckwheat, sugar beets, etc.

Source: Ag Ministry reports and FAS Kyiv Estimates

MY2023/24 total crop production area is forecast at 22.9 million ha, similar to MY2022/23, but around 20 percent lower than the pre-war MY2021/22 area. This forecast assumes that a farmer would attempt to plant crops on all available land unless it is physically impossible. According to industry sources, planting all available areas makes sense to cover at least some part of fixed costs (e.g., labor, maintenance costs, etc.), including land tax estimated as a percentage of land value.

The resulting MY2023/24 forecast area under major grains is 20 percent lower than MY2022/23 estimate. The baseline for this assumption is already decreased winter crop areas for wheat, rye, and barley. In addition, the reduced imports of corn seeds (see Trade Section) might indicate that corn is losing its popularity among farmers. Corn is an expensive crop to produce in terms of the need for quality seeds, agrochemicals, and machinery runs. At the same time, farmers are still struggling to sell corn stocks they amassed in MY2021/22. Thus, they might be short on funds to invest heavily in corn. Ukraine has suspended all classical state support programs for the farming sector for CY2022 and CY2023, which could be another factor amplifying financial issues for agricultural producers.

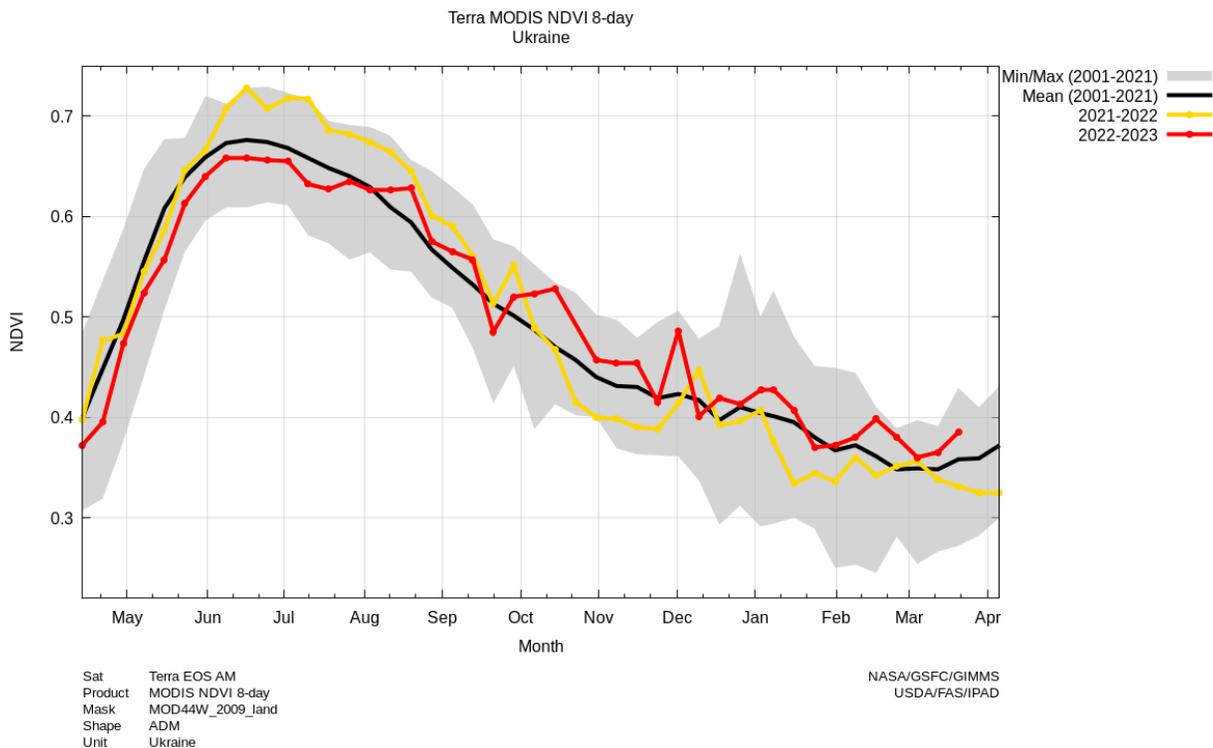
According to the Ag Ministry, spring planting started in Ukraine. As of March 30, 2023, grain areas included:

- Wheat – 108,000 ha., 38 percent of anticipated planting area
- Barley – 307,000 ha., 30 percent of anticipated planting area

MY2023/24 yield forecasts were comparable to the ones for the previous MY based on the similarity of the economic situation. According to industry reports, in CY2022, farmers were attempting to cut their costs on inputs and production methods. However, it should be noted that Post considers a more profound downward revision of yields based on the visible trend of a sharp drop in imported fertilizers to Ukraine (see Trade Section), unless the volume of fertilizers will not be partially compensated from stocks already available on the domestic market as well as the announced launch of operations of national producers of nitrogen fertilizers.

Post believes that input cost savings would be the primary factor shaping crop yields for MY2023/24, while weather conditions will play a secondary role. Below is a graph that shows the NDVI for Ukraine, a standardized measure of healthy vegetation. High NDVI values indicate healthier vegetation. As a result, the starting MY2023/24 growth conditions are more favorable than the previous MY.

Figure 3: NDVI for Ukraine

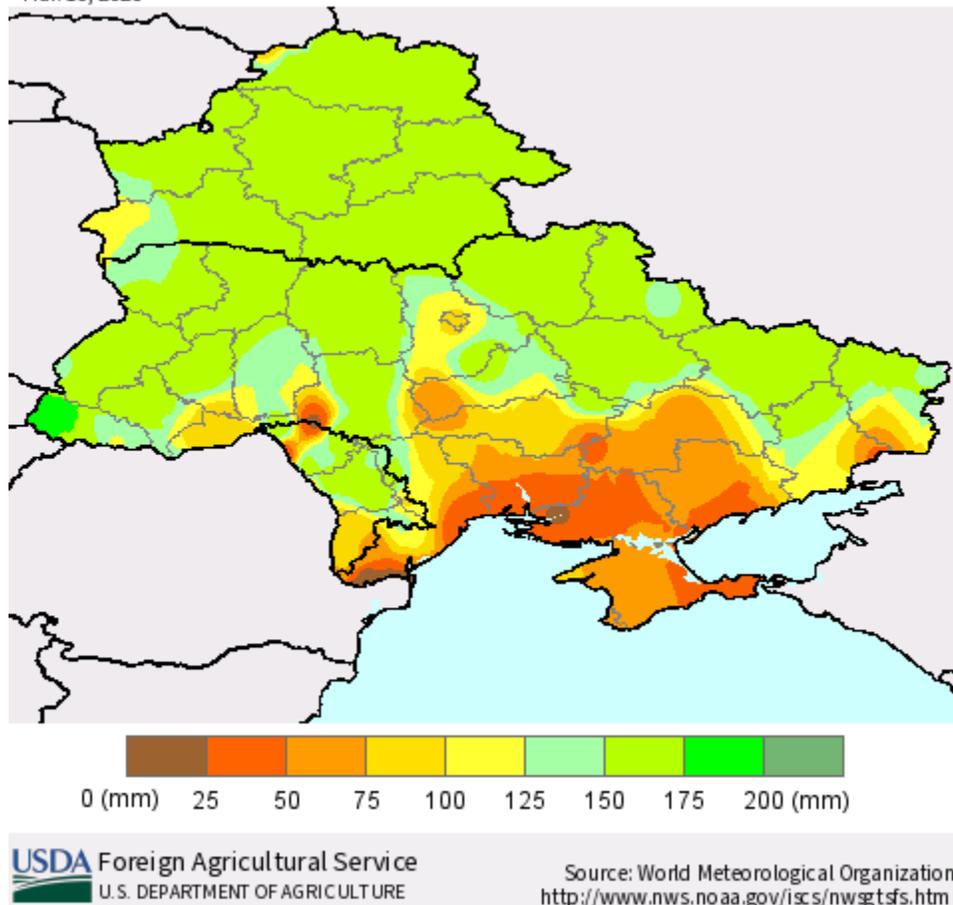


The major factor of concern is the lack of subsurface soil moisture in Southern Ukraine (see the relevant map below). In 2020, lack of moisture decimated winter wheat production in the Odessa region. Should

the situation continue, Post would consider downgrading yields for winter and spring crops in the potentially affected areas for Odesa, Mykolaev, Kherson, Zaporizhya, and Dnipropetrovsk regions.

Figure 4: Soil Moisture
Subsurface Soil Moisture (WMO)

Mar. 19, 2023



Based on the abovementioned area and yield assumptions, the resulting forecast MY2023/24 production volumes are:

- Wheat – 16.1 MMT, a 23-percent decrease compared to MY2022/23
- Barley – 4.3 MMT, a 31-percent decrease
- Corn – 21 MMT, a 22-percent decrease
- Rye – 240,000 MT, a 22-percent decrease

For reference, Post’s MY2022/23 production estimates are as follows:

- Barley – 6.2 MMT, a 37-percent decrease compared to the MY2021/22
- Corn – 27 MMT, a 36-percent decrease
- Wheat – 20.8 MMT, a 37-percent decrease
- Rye – 309,000 MT, a 48-percent decrease

These estimates are based on Ag Ministry's reports and were adjusted by adding the Crimean Peninsula estimates in terms of both area and volumes of production, which is reflected in Post's Production, Supply, and Distribution data.

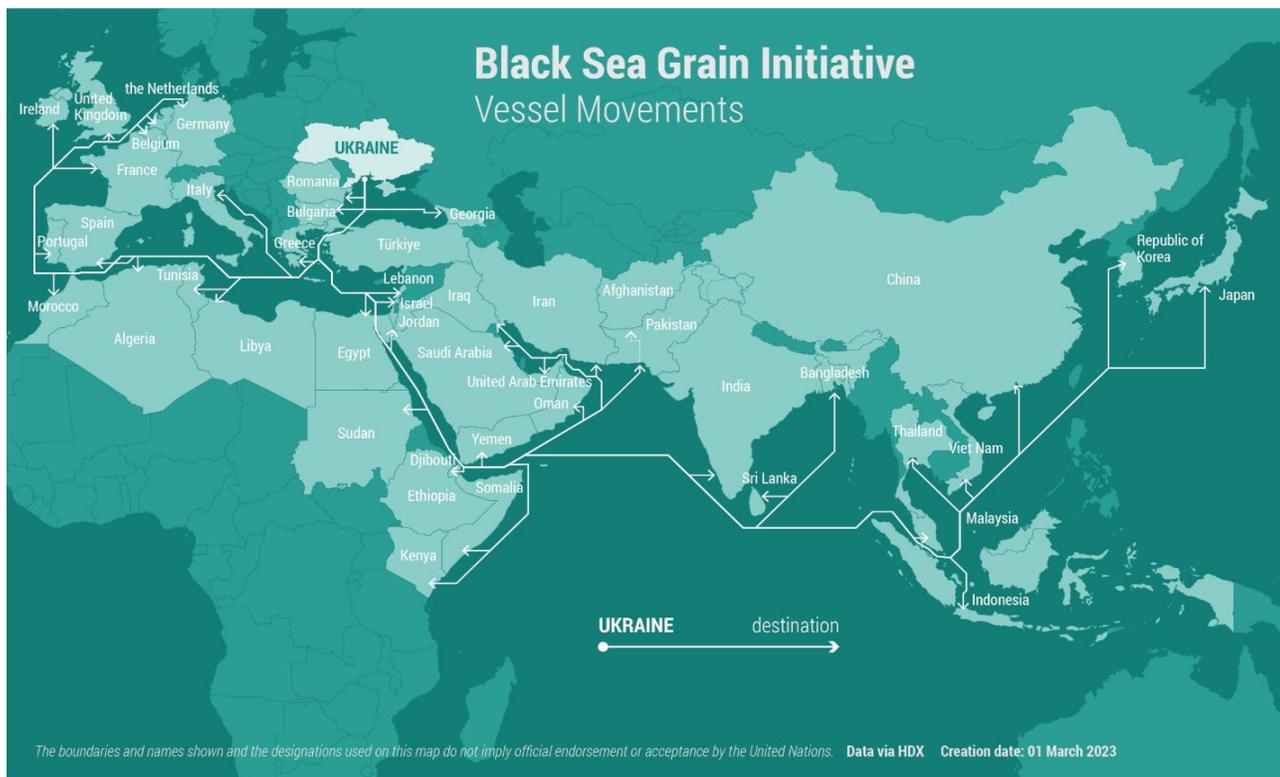
Post note: Regarding MY2022/23 production, the Ag Ministry did not report 100 percent of all corn areas harvested at the time of this report writing. Thus, Post might review the relevant production estimate. Post's production volumes are presented in the final weight, which means that available volumes, initially reported in bunker weight, were converted using a conversion coefficient that assumes an average moisture content of harvested grains. The final weights are subject to subsequent adjustments based on the availability of information in the final weight by SSSU.

Trade:

Because of Russia's military aggression, Ukraine lost its ability to export its agricultural products through all its ports on the Sea of Azov (occupied by Russian forces) and the Black Sea (naval blockade). As a result, since the beginning of the invasion, grain exports have been heavily reliant on truck and railcar transport across the EU border and Danube River ports. The switch from marine to inland shipments was a landslide shift in agricultural logistics partially alleviated by the [Solidarity Lanes](#) mechanisms established by the EU in May 2022.

In July 2022, the Black Sea Grains Initiative (BSGI) was agreed on by the United Nations, Türkiye, Ukraine and Russia. As a result of [BSGI](#), Ukraine regained its ability to export grain, foodstuffs, and fertilizers, including ammonia, from the ports of Odesa, Chornomorsk, and Pivdennyi (Southern). Getting these three ports back in business allowed Ukrainian exporters to return to their markets in Africa, the Middle East, and Asia, as well as allowed the cost-efficient alternative for truck and rail shipments to the EU (see BSGI: Vessel Movements chart below).

Figure 5: BSGI Vessel Movements



Source: United Nations

As a result of BSGI, Ukraine has been able to export around 3MMT of agricultural products per month since September 2022 (see Vessel Movements and Agricultural Exports via BSGI table below) through the ports. However, it should be noted that this export volume is only half of what Ukraine used to export before the war through its ports (on average, over 6 MMT monthly in the second half of 2021). Furthermore, BSGI is the subject of periodic extension every 120 days, creating uncertainty, thus opening up the ability for Russia, a prominent grain exporter and Ukraine's competitor in the global markets, to exploit it to gain a competitive advantage.

Vessel Movements and Agricultural Exports via BSGI

	Shipped Volume, MMT	Number of Vessels
2022		
Aug	1.57	64
Sep	3.91	211
Oct	4.24	196
Nov	2.61	95
Dec	3.74	125
2023		
Jan	3.02	88
Feb	3.39	94
March	3.01	78
Grand Total	22.52	831

Source: Post estimates based on the United Nations data

Barley exports for July-December 2022 were 1.6 MMT, a 69-percent decrease compared to the same period in 2021. The EU became the largest buyer, where Romania was most likely acting as a transshipment point to international markets. At the same time, Spain could be considered a final destination being a large feed consumer in its own right. Small batches were delivered to Türkiye (around 250,000 MT) and Libya (around 110,000 MT).

Corn exports for October-December 2022 were 7.8 MMT, a 19-percent decrease compared to the same period in 2021. The EU again became the largest destination (5.1 MMT), with Romania (1.1 MMT) most likely acting as a transshipment hub. China became the second-largest destination, importing 1.3 MMT, a 55-percent decrease compared to the same period in 2021.

Corn seed (for planting) imports for October-December 2022 fell by 34 percent compared to the same period in 2021. MY2021/22 imports were also down by 33 percent compared to the previous MY. Post uses it as the principal argument for a decreased forecast for corn production areas in CY2023 (see Production Section).

Wheat exports for July-December 2022 were 8.4 MMT, a 47-percent decrease compared to the same period in 2021. Out of this volume, over 4.1 MMT was exported to the EU, where Romania was the most likely transshipping around 1.4 MMT to other markets. The second largest buyer was Türkiye, with 1.7 MMT, where Ukrainian grain was most likely being processed into flour and shipped to several neighboring countries in the Middle East. Also, several individual Middle East countries (excluding Türkiye) collectively purchased 0.5 MMT of Ukrainian grain for this period. Finally, African countries collectively purchased 1.1 MMT, an 80-percent drop compared to the same period in 2021.

Wheat flour and pasta exports for July-December 2022 were 715,000 MT, a 5-percent decrease compared to the same period in 2021. Compared to other categories of grain exports from Ukraine, such a small drop could be attributed to the fact that these commodities were unaffected by a breakdown in maritime logistics. On the flip side, imports of these products to Ukraine fell by over 42 percent, mirroring changes in consumption induced by war (see Consumption section). It should be noted that the EU, being a high-end supplier, lost over 43 percent of its exports of flour and pasta to Ukraine, while Türkiye lost only 27 percent of its export volumes for the mentioned period. This supplier reshuffle is a clear sign of an economic downturn in the Ukrainian economy as consumers switch to more price-wise alternatives.

According to the Ag Ministry's data, Ukraine exported from July 1, 2022, to March 31, 2023:

- Wheat – 12.8 MMT
- Barley – 2.3 MMT
- Corn – 22.1 MMT
- Rye – 17,000 MT
- Wheat flour – 111,000 MT

Post-estimated export volumes for all grains (wheat, barley, and corn) are based on the assumption of the extension of the BSGI past May 2023 for 120 days.

Based on the abovementioned trade data by Ag Ministry, as well as Post's estimates regarding available export bandwidth, MY2022/23 export estimates are as follows:

- Barley – 2.7 MMT, a 53-percent decrease compared to MY2021/22
- Corn – 30.3 MMT, a 12-percent increase
- Wheat – 17.1 MMT, a nine-percent decrease
- Rye – 80,000 MT, a 51-percent decrease

Given the forecasted drop in grain production for MY2023/24, as well as the estimated depreciation of large MY2021/22 stocks, Post forecasts the export numbers for MY2023/24 as follows:

- Barley – 1.1 MMT, a 59-percent decrease compared to MY2022/23
- Corn – 17.5 MMT, a 42-percent decrease
- Wheat – 9 MMT, a 47-percent decrease
- Rye – 100,000 MT, a 25-percent increase

To support arguments in the Production Section, Post includes trade data below about imports of relevant fertilizers, agrochemicals, and seeds to Ukraine (see relevant tables below). In addition, Post uses a time interval from July to December 2022 under the assumption that these are intended to be used under MY2023/24 crop.

Imports of Major Fertilizers to Ukraine

HS Code	Description	Unit	July-December 2021	July-December 2022	July-Dec 2022 vs. 2021
310210	urea, whether or not in aqueous solution	KNI	119,091,563	26,867,281	-77
310230	ammonium nitrate, whether or not in aqueous solution	KNI	103,852,569	5,684,172	-95
310420	potassium chloride	KKO	112,994,097	12,845,971	-89
310280	mixtures of urea and ammonium nitrate in aqueous or ammoniacal solution	KNI	91,988,762	1,475,751	-98
310229	double salts and mixtures of ammonium sulfate and ammonium nitrate, nesoi	KNI	7,238,495	870,471	-88
310240	mixtures of ammonium nitrate with calcium carbonate or other inorganic nonfertilizing substances	KNI	6,219,266	1,537,873	-75
310290	nitrogenous mineral or chemical fertilizers, including mixtures, nesoi	KNI	2,453,805	19,359	-99
310430	potassium sulfate	KKO	646,621	271,632	-58
310260	double salts and mixtures of calcium nitrate and ammonium nitrate	KNI	126,997	161,442	27
310530	diammonium hydrogenorthophosphate (diammonium phosphate)	T	103,395	1,148	-99
310590	fertilizers, nesoi	T	33,910	1,632	-95
310560	mineral or chemical fertilizers containing the two fertilizing elements phosphorus and potassium	T	18,426	12,684	-31
310551	mineral or chemical fertilizers containing nitrates and phosphates	T	46	911	1,880
310510	fertilizing materials, in tablets or similar forms or in packages of a gross weight not exceeding 10 kg	T	521	285	-45
310490	potassic mineral or chemical fertilizer, nesoi	KKO	2	10,264	513,100

Source: Trade Data Monitor, LLC

Selected Agricultural Input Imports

HS Code	Description	Quantity (MT)		% Change July-Dec 2022 vs. 2021
		July-December 2021	July-December 2022	
380893	Herbicides	29,364	22,929	-21.91
380891	Insecticides	3,317	2,836	-14.50
380892	Fungicides	10,601	5,783	-45.45
100191	Wheat Seeds	2,417	342	-85.85
100310	Barley Seeds	214	119	-44.39
100510	Corn Seeds	3,318	2,167	-34.69

Source: Trade Data Monitor, LLC

Consumption:

Both food and feed consumption for all major grains are expected to decrease by 12 percent both for MY2022/23 and MY2023/24. Feed consumption estimates are based on our GAIN Reports [UP2023-0007](#) (Poultry) and [UP2023-0009](#) (Livestock).

Post note: MY2021/22 Feed and Residual estimates also consider grains deemed destroyed and/or stolen due to active military conflict by Post. It leads to excessive feed consumption over this period. Both MY2022/23 and MY2023/24 Feed and Residual are estimated based on the assumption of minimum damage to grain stocks as the armed conflict has been localized in parts of Southern and Eastern Ukraine at the time of the report writing.

Total grain food consumption is forecast to decline by another 7 percent for MY2022/23 compared to MY2021/22, which decreased by over 12 percent compared to the pre-war MY2020/21. These estimates consider the lower population, predominantly based on the number of refugees reported by [UNHCR](#) that have left the country since the beginning of the armed conflict with Russia starting from late February 2022. Therefore, it is forecast to stabilize in MY2023/24 under the assumption of no further escalation of military activities on Ukrainian government-controlled territories for CY2023 and CY2024.

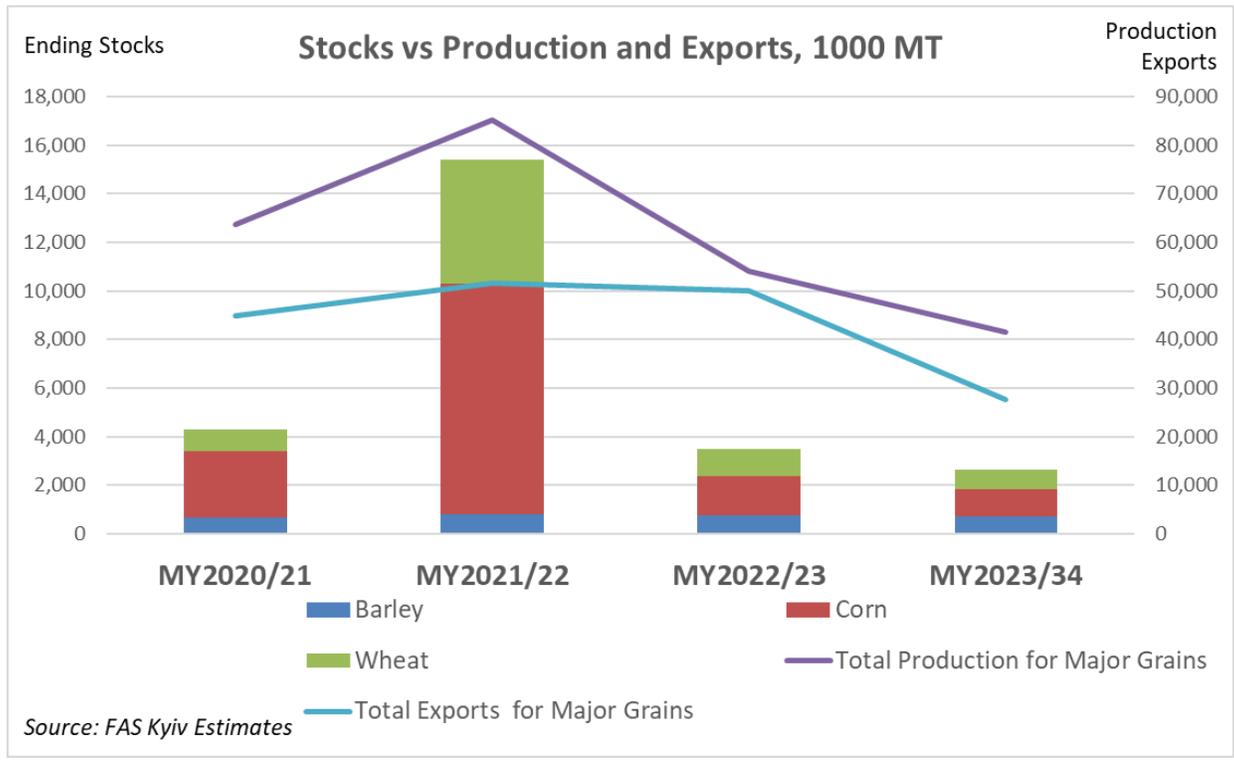
Post reserves the right to decrease food consumption (predominantly for wheat) even further based on the valid argument that the dietary preferences of individuals close to conflict areas (both military and civilian) were altered. They tend to consume more canned and instant food at the expense of bakery products and pasta. However, specific adjustments could be made only upon the availability of SSSU's data on domestic production for specific products.

Stocks:

A combination of the breakdown in logistics (see Trade Section) and the bumper crop for MY2021/22 distilled into record-breaking ending stocks (see Stocks vs. Production and Exports graph below). As a result, Ukrainian farmers and exporters were sitting on substantial grain stocks since port logistics

collapsed in February 2022 and have not yet fully recovered, despite extension of the Black Sea Grains Initiative (see Trade Section) at the time of the report writing.

MY2021/22 ending stocks acted as a shock absorber supporting MY2022/23 exports almost at the level of the previous MY despite of drop in MY2022/23 production numbers. For MY2023/24, Post forecasts a further decrease of ending stocks compared to the previous MY, mainly induced by a decrease in forecast production volumes for grains (see Production Section).



Production, Supply and Distribution Data Statistics:

Barley

Barley Market Year Begins Ukraine	2021/2022		2022/2023		2023/2024	
	Jul 2021		Jul 2022		Jul 2023	
	USDA Official	New Post	USDA Official	New Post	USDA Official	New Post
Area Harvested (1000 HA)	2680	2680	1900	1780	0	1320
Beginning Stocks (1000 MT)	661	661	880	802	0	775
Production (1000 MT)	9923	9923	6100	6231	0	4300
MY Imports (1000 MT)	1	1	0	2	0	1
TY Imports (1000 MT)	1	1	0	2	0	1
TY Imp. from U.S. (1000 MT)	0	0	0	0	0	0
Total Supply (1000 MT)	10585	10585	6980	7035	0	5076
MY Exports (1000 MT)	5705	5704	2500	2700	0	1100
TY Exports (1000 MT)	2710	6194	2400	2700	0	1100
Feed and Residual (1000 MT)	2800	2980	2600	2600	0	2300
FSI Consumption (1000 MT)	1200	1099	1200	960	0	957
Total Consumption (1000 MT)	4000	4079	3800	3560	0	3257
Ending Stocks (1000 MT)	880	802	680	775	0	719
Total Distribution (1000 MT)	10585	10585	6980	7035	0	5076
Yield (MT/HA)	3.7026	3.7026	3.2105	3.5006	0	3.2576
(1000 HA) ,(1000 MT) ,(MT/HA)						
MY = Marketing Year, begins with the month listed at the top of each column						
TY = Trade Year, which for Barley begins in October for all countries. TY 2023/2024 = October 2023 - September 2024						

Corn

Corn Market Year Begins Ukraine	2021/2022		2022/2023		2023/2024	
	Oct 2021		Oct 2022		Oct 2023	
	USDA Official	New Post	USDA Official	New Post	USDA Official	New Post
Area Harvested (1000 HA)	5486	5486	4000	3780	0	3300
Beginning Stocks (1000 MT)	832	832	5093	9479	0	1619
Production (1000 MT)	42126	42126	27000	27000	0	21050
MY Imports (1000 MT)	15	18	0	20	0	15
TY Imports (1000 MT)	15	18	0	20	0	15
TY Imp. from U.S. (1000 MT)	0	0	0	0	0	1
Total Supply (1000 MT)	42973	42976	32093	36499	0	22684
MY Exports (1000 MT)	26980	26980	23500	30300	0	17500
TY Exports (1000 MT)	26980	26980	23500	30300	0	17500
Feed and Residual (1000 MT)	9700	5510	5000	3700	0	3200
FSI Consumption (1000 MT)	1200	1007	1200	880	0	878
Total Consumption (1000 MT)	10900	6517	6200	4580	0	4078
Ending Stocks (1000 MT)	5093	9479	2393	1619	0	1106
Total Distribution (1000 MT)	42973	42976	32093	36499	0	22684
Yield (MT/HA)	7.6788	7.6788	6.75	7.1429	0	6.3788
(1000 HA) ,(1000 MT) ,(MT/HA)						
MY = Marketing Year, begins with the month listed at the top of each column						
TY = Trade Year, which for Corn begins in October for all countries. TY 2023/2024 = October 2023 - September 2024						

Wheat

Wheat Market Year Begins Ukraine	2021/2022		2022/2023		2023/2024	
	Jul 2021		Jul 2022		Jul 2023	
	USDA Official	New Post	USDA Official	New Post	USDA Official	New Post
Area Harvested (1000 HA)	7409	7409	5350	5015	0	4060
Beginning Stocks (1000 MT)	1505	1505	5765	5104	0	1076
Production (1000 MT)	33007	33007	21000	20771	0	16080
MY Imports (1000 MT)	97	97	100	100	0	65
TY Imports (1000 MT)	97	97	100	100	0	65
TY Imp. from U.S. (1000 MT)	0	0	0	0	0	0
Total Supply (1000 MT)	34609	34609	26865	25975	0	17221
MY Exports (1000 MT)	18844	18844	13500	17100	0	9000
TY Exports (1000 MT)	18844	18844	13500	17100	0	9000
Feed and Residual (1000 MT)	4000	4787	4000	3000	0	2600
FSI Consumption (1000 MT)	6000	5874	5200	4799	0	4787
Total Consumption (1000 MT)	10000	10661	9200	7799	0	7387
Ending Stocks (1000 MT)	5765	5104	4165	1076	0	834
Total Distribution (1000 MT)	34609	34609	26865	25975	0	17221
Yield (MT/HA)	4.455	4.455	3.9252	4.1418	0	3.9606
(1000 HA) ,(1000 MT) ,(MT/HA)						
MY = Marketing Year, begins with the month listed at the top of each column						
TY = Trade Year, which for Wheat begins in July for all countries. TY 2023/2024 = July 2023 - June 2024						

Please be advised that in the PSD table above, both export and import volumes for flour and wheat products (HS Codes 1101, 190219, 190230, 190240) are converted to wheat grain equivalent by multiplying the product weight by 1.368 and added to export volumes for wheat (HS Code 1001) to present a comprehensive picture of wheat trade by Ukraine.

Rye

Rye Market Year Begins Ukraine	2021/2022		2022/2023		2023/2024	
	Jul 2021		Jul 2022		Jul 2023	
	USDA Official	New Post	USDA Official	New Post	USDA Official	New Post
Area Harvested (1000 HA)	175	172	100	103	0	80
Beginning Stocks (1000 MT)	90	90	114	218	0	181
Production (1000 MT)	600	593	285	309	0	240
MY Imports (1000 MT)	1	1	0	0	0	0
TY Imports (1000 MT)	0	1	0	0	0	0
TY Imp. from U.S. (1000 MT)	0	0	0	0	0	0
Total Supply (1000 MT)	691	684	399	527	0	421
MY Exports (1000 MT)	162	162	5	80	0	100
TY Exports (1000 MT)	124	120	5	80	0	100
Feed and Residual (1000 MT)	15	2	2	2	0	2
FSI Consumption (1000 MT)	400	302	350	264	0	263
Total Consumption (1000 MT)	415	304	352	266	0	265
Ending Stocks (1000 MT)	114	218	42	181	0	56
Total Distribution (1000 MT)	691	684	399	527	0	421
Yield (MT/HA)	3.4286	3.4477	2.85	3	0	3
(1000 HA) ,(1000 MT) ,(MT/HA)						
MY = Marketing Year, begins with the month listed at the top of each column						
TY = Trade Year, which for Rye begins in October for all countries. TY 2023/2024 = October 2023 - September 2024						

Trade Data

Barley Exports from Ukraine by Destination, MY, 1000 MT (HS Code 1003)

Destination	MY 2019/20 (July 19-June 20)		MY 2020/21 (July 20-June 21)		MY 2021/22 (July 21-June 22)		% Change MY 2021/22 to 2020/21
	Quantity	% Share	Quantity	% Share	Quantity	% Share	
World	4,983.9	100.0	4,187.2	100.0	5,704.5	100.0	36.2
East and Southeast Asia	921.5	18.5	2,906.1	69.4	2,567.6	45.0	-11.7
Middle East	2,482.2	49.8	649.6	15.5	2,069.7	36.3	218.6
Africa	1,044.1	21.0	552.0	13.2	856.8	15.0	55.2
EU 27 Brexit	507.8	10.2	63.6	1.5	206.8	3.6	225.0
South Asia	16.3	0.3	14.8	0.4	0.3	0.0	-98.2
China	920.7	18.5	2,905.9	69.4	2,565.5	45.0	-11.7
Türkiye	325.2	6.5	22.9	0.6	1,105.5	19.4	4,737.2
Libya	226.8	4.6	294.8	7.0	443.0	7.8	50.3
Saudi Arabia	1,382.7	27.7	334.2	8.0	372.8	6.5	11.5
Tunisia	234.0	4.7	161.4	3.9	255.5	4.5	58.3
Jordan	126.0	2.5	56.4	1.4	250.6	4.4	344.2
Israel	208.8	4.2	102.0	2.4	135.2	2.4	32.6
Iran	62.6	1.3	17.1	0.4	91.4	1.6	435.7
Lebanon	4.4	0.1	35.6	0.9	89.6	1.6	151.6
Algeria	274.9	5.5	78.9	1.9	83.1	1.5	5.3
Spain	372.8	7.5	0.0	0	71.4	1.3	0
Cyprus	49.3	1.0	40.6	1.0	71.3	1.3	75.7
Morocco	119.0	2.4	12.1	0.3	50.2	0.9	315.2
Romania	20.6	0.4	16.1	0.4	35.3	0.6	119.1
Egypt	189.3	3.8	4.5	0.1	25.1	0.4	455.1
Oman	9.0	0.2	6.2	0.2	21.5	0.4	244.8
Poland	0.1	0	0.0	0	12.2	0.2	0
Italy	9.5	0.2	3.0	0.1	6.3	0.1	111.9
Czech Republic	0.0	0	0.0	0	5.1	0.1	0
Netherlands	3.0	0.1	0.0	0	3.4	0.1	0
Syria	0.0	0	0.0	0	2.8	0.1	0
Belarus	9.2	0.2	0.0	0	2.0	0.0	0
Other	435.8	8.7	95.5	2.3	5.8	0.1	0

Source: Trade Data Monitor, LLC

Barley Export Statistics by Month and Destination, Ukraine, 1000 MT (HS Code 1003)

Destination	Subtotal Jul - Dec 2021	Subtotal MY 2021/22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Subtotal Jul - Dec 2022	% Change Jul - Dec 2022 to Jul - Dec 2021
World	5,185.9	5,704.5	148.4	182.1	444.5	331.6	361.0	158.1	1,625.7	31.3
EU 27 Brexit	100.0	206.8	112.8	131.8	299.3	179.3	250.0	74.7	1,047.9	1047.5
Middle East	1,845.4	2,069.7	34.9	47.6	30.3	99.3	38.3	71.8	322.2	17.5
Africa	736.1	856.8	0.0	0.0	17.0	48.5	34.0	10.2	109.6	14.9
East and Southeast Asia	2,503.5	2,567.6	0.0	0.0	90.1	0.0	36.9	0.0	127.0	5.1
South Asia	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Türkiye	915.6	1,105.5	29.0	32.2	24.2	83.3	29.0	49.2	246.8	27.0
Romania	0.0	35.3	105.1	112.3	85.2	90.5	58.8	42.5	494.4	∞
Israel	113.2	135.2	0.0	0.0	0.0	0.0	2.7	20.6	23.3	20.5
Spain	44.4	71.4	0.0	6.7	169.3	60.8	135.4	10.3	382.5	861.7
Libya	346.6	443.0	0.0	0.0	17.0	48.5	34.0	10.2	109.6	31.6
Cyprus	47.2	71.3	0.0	4.5	24.4	4.9	13.6	8.4	55.9	118.5
Poland	0.0	12.2	1.4	3.2	6.5	6.6	7.2	7.1	32.0	∞
Greece	0.0	0.0	0.0	2.7	0.0	3.1	19.6	4.3	29.7	∞
Slovakia	0.5	0.6	2.6	1.7	2.2	2.9	2.3	1.9	13.7	2861.8
Lebanon	77.3	89.6	4.1	12.5	4.6	8.8	0.0	1.3	31.3	40.4
Moldova	0.0	0.0	0.7	2.7	3.3	3.2	1.8	1.3	13.0	30125.6
Iraq	0.1	0.3	1.7	2.8	0.4	1.2	1.3	0.5	7.9	5437.2
Syria	2.8	2.8	0.0	0.2	0.1	0.0	0.0	0.3	0.6	22.9
Netherlands	1.4	3.4	0.2	0.0	0.1	0.2	0.6	0.2	1.2	82.9
Switzerland	0.0	1.1	0.0	0.0	1.6	1.3	0.1	0.1	3.1	∞
Austria	0.0	0.0	0.0	0.0	0.2	0.0	0.4	0.1	0.7	∞
Bahrain	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	3,636.7	3,732.7	3.4	0.7	105.5	16.2	54.2	0.0	180.0	5.0

Source: Trade Data Monitor, LLC

Barley Imports to Ukraine by Country of Origin, MY, 1000 MT (HS Code 1003)

Destination	MY 2019/20 (July 19-June 20)		MY 2020/21 (July 20-June 21)		MY 2021/22 (July 21-June 22)		% Change MY 2021/22 to 2020/21
	Quantity	% Share	Quantity	% Share	Quantity	% Share	
World	0.7	100.0	48.0	100.0	0.9	100.0	-98.2
EU 27 Brexit	0.7	100.0	6.5	13.6	0.3	36.0	-95.2
Belarus	0.0	0	4.8	10.1	0.6	63.9	-88.5
Germany	0.1	18.0	0.2	0.5	0.1	14.6	-44.5
Czech Republic	0.3	35.5	0.2	0.5	0.1	13.8	-46.9
Austria	0.0	2.9	0.0	0.1	0.0	2.4	-28.2
France	0.0	3.9	0.0	0.1	0.0	2.0	-54.1
Romania	0.0	0.0	0.0	0	0.0	1.4	8,588.0
Poland	0.3	38.3	0.0	0.0	0.0	1.2	0
Denmark	0.0	0	0.0	0	0.0	0.6	0
Canada	0.0	0	0.0	0	0.0	0.1	153.8
Hungary	0.0	1.4	0.0	0	0.0	0	0
Netherlands	0.0	0.0	0.0	0	0.0	0.0	-46.7
Russia	0.0	0	36.6	76.3	0.0	0	-100.0
Serbia	0.0	0	0.0	0	0.0	0	-100.0
Sweden	0.0	0	6.0	12.5	0.0	0	-100.0

Source: Trade Data Monitor, LLC

Barley Import Statistics by Month and Country of Origin, Ukraine, MT (HS Code 1003)

Destination	Subtotal Jul - Dec 2021	Subtotal MY 2021/22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Subtotal Jul - Dec 2022	% Change Jul - Dec 2022 to Jul - Dec 2021
World	778.0	867.0	0.0	89.0	63.0	1,636.0	0.0	0.0	1,788.0	229.8
EU 27 Brexit	224.0	312.0	0.0	89.0	63.0	1,636.0	0.0	0.0	1,788.0	798.2
Austria	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Belarus	554.0	554.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Canada	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	∞
Czech Republic	70.0	121.0	0.0	0.0	24.0	0.0	0.0	0.0	24.0	34.3
Denmark	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	∞
France	17.0	17.0	0.0	0.0	10.0	0.0	0.0	0.0	10.0	58.8
Germany	95.0	127.0	0.0	66.0	17.0	1.0	0.0	0.0	84.0	88.4
Poland	10.0	10.0	0.0	22.0	12.0	1,636.0	0.0	0.0	1,670.0	16700.0
Romania	12.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Source: Trade Data Monitor, LLC

Corn Exports from Ukraine by Destination, MY, 1000 MT (HS Code 1005)

Origin	MY 2019/20 (Oct. 19-Sept. 20)		MY 2020/21 (Oct. 20-Sept. 21)		MY 2021/22 (Oct. 21-Sept. 22)		% Change MY 2021/22 to 2020/21
	Quantity	% Share	Quantity	% Share	Quantity	% Share	
World	28,928.8	100.0	23,864.2	100.0	26,979.7	100.0	13.1
EU 27 Brexit	10,308.0	35.6	7,408.0	31.0	12,491.6	46.3	68.6
East and Southeast Asia	7,584.9	26.2	8,563.3	35.9	7,251.6	26.9	-15.3
Middle East	4,605.2	15.9	3,351.5	14.0	4,116.7	15.3	22.8
Africa	5,361.5	18.5	3,782.3	15.9	2,783.3	10.3	-26.4
South Asia	233.5	0.8	0.0	0	0.0	0	0
China	5,424.5	18.8	8,498.1	35.6	6,039.0	22.4	-28.9
Spain	3,530.2	12.2	1,982.8	8.3	3,053.9	11.3	54.0
Romania	0.5	0	0.4	0	2,459.7	9.1	647,707.2
Türkiye	1,723.9	6.0	639.5	2.7	1,778.8	6.6	178.2
Egypt	3,151.9	10.9	2,415.2	10.1	1,703.9	6.3	-29.5
Netherlands	3,108.4	10.8	2,544.0	10.7	1,661.2	6.2	-34.7
Poland	6.5	0.0	6.1	0.0	1,466.2	5.4	24,083.8
Italy	756.6	2.6	703.2	3.0	1,298.2	4.8	84.6
Iran	1,232.9	4.3	1,319.6	5.5	1,138.2	4.2	-13.8
South Korea	1,963.8	6.8	52.6	0.2	971.4	3.6	1,746.4
Israel	833.6	2.9	533.5	2.2	770.0	2.9	44.3
Hungary	18.8	0.1	15.6	0.1	681.3	2.5	4,257.3
Libya	554.1	1.9	468.0	2.0	459.0	1.7	-1.9
Portugal	816.0	2.8	731.4	3.1	433.7	1.6	-40.7
Tunisia	473.3	1.6	414.3	1.7	357.8	1.3	-13.6
Germany	491.6	1.7	301.1	1.3	298.0	1.1	-1.0
Ireland	657.7	2.3	259.5	1.1	291.6	1.1	12.4
Belgium	602.5	2.1	743.2	3.1	241.6	0.9	-67.5
Iraq	150.4	0.5	226.9	1.0	235.0	0.9	3.6
United Kingdom	640.2	2.2	741.8	3.1	225.6	0.8	-69.6
Lebanon	189.7	0.7	274.3	1.2	191.1	0.7	-30.3
Slovakia	0.0	0	0.0	0	184.5	0.7	0
Lithuania	259.8	0.9	46.0	0.2	178.7	0.7	288.6
Algeria	874.6	3.0	420.2	1.8	156.8	0.6	-62.7
Japan	0.0	0	0.4	0	109.1	0.4	27,168.9
Morocco	286.4	1.0	31.5	0.1	98.5	0.4	212.7
Taiwan	0.0	0	0.0	0	71.2	0.3	0
Indonesia	0.0	0	0.0	0	60.8	0.2	0
Cyprus	42.2	0.2	51.4	0.2	58.8	0.2	14.4
Moldova	1.1	0	3.5	0.0	55.9	0.2	1,490.0
Greece	0.0	0	5.2	0.0	52.5	0.2	908.9
Croatia	0.0	0	0.0	0	32.0	0.1	0
Switzerland	54.0	0.2	0.0	0	29.6	0.1	0
Austria	3.1	0.0	0.1	0	26.7	0.1	43,102.8
Estonia	1.4	0.0	0.0	0	22.7	0.1	0
Other	1,078.9	0.0	434.6	0.0	86.7	0.0	-80.1

Source: Trade Data Monitor, LLC

Corn Export Statistics by Month and Destination, Ukraine, 1000 MT (HS Code 1005)

Destination	Subtotal Oct - Dec 2021	Subtotal MY 2021/22	Oct-22	Nov-22	Dec-22	Subtotal Oct - Dec 2022	% Change Oct - Dec 2022 to Oct - Dec 2021
World	9,583.9	26,979.7	2,206.5	2,514.3	3,060.0	7,780.8	81.2
EU 27 Brexit	2,828.8	12,491.6	1,547.3	1,733.0	1,835.4	5,115.7	180.8
East and Southeast Asia	3,567.7	7,251.6	264.2	368.6	839.8	1,472.6	41.3
Africa	1,163.6	2,783.3	194.1	115.3	264.5	573.9	49.3
Middle East	1,950.7	4,116.7	195.2	287.5	106.4	589.2	30.2
China	2,974.6	6,039.0	204.6	306.6	839.3	1,350.6	45.4
Spain	1,273.8	3,053.9	218.8	277.4	485.9	982.2	77.1
Romania	0.3	2,459.7	252.9	407.3	417.6	1,077.8	360476.9
Poland	0.4	1,466.2	121.1	287.8	225.1	634.0	151308.1
Italy	499.9	1,298.2	333.1	104.2	202.2	639.5	127.9
Hungary	16.8	681.3	205.9	291.0	174.9	671.8	3995.1
Egypt	693.9	1,703.9	90.5	43.0	112.5	246.0	35.5
Netherlands	636.9	1,661.2	181.1	105.0	98.5	384.6	60.4
Libya	203.1	459.0	74.1	41.4	84.5	200.0	98.5
Tunisia	196.3	357.8	29.2	30.9	67.5	127.6	65.0
Slovakia	0.0	184.5	34.0	95.2	63.2	192.4	∞
Israel	451.5	770.0	28.8	98.1	51.8	178.7	39.6
Türkiye	693.1	1,778.8	120.6	152.7	36.0	309.3	44.6
Germany	11.2	298.0	95.3	74.0	30.1	199.4	1774.8
Portugal	175.0	433.7	18.4	0.0	30.0	48.4	27.7
Greece	4.3	52.5	20.2	6.0	22.0	48.3	1110.0
Cyprus	5.2	58.8	5.7	18.2	21.4	45.3	875.9
Austria	0.3	26.7	6.7	18.3	20.4	45.4	17184.8
Lithuania	8.2	178.7	10.9	21.3	19.8	52.0	636.8
Lebanon	45.1	191.1	44.8	32.1	18.6	95.5	211.8
Malta	0.0	0.0	1.0	14.4	11.2	26.7	∞
Moldova	0.1	55.9	5.1	4.2	9.8	19.1	21917.2
Czech Republic	0.0	14.6	2.4	7.4	7.0	16.8	∞
Other	1,694.3	3,760.3	101.1	78.4	11.4	190.9	11.3

Source: Trade Data Monitor, LLC

Corn Imports to Ukraine by Country of Origin, MY, 1000 MT (HS Code 1005)

Origin	MY 2019/20 (Oct. 19-Sept. 20)		MY 2020/21 (Oct. 20-Sept. 21)		MY 2021/22 (Oct. 21-Sept. 22)		% Change MY 2021/22 to 2020/21
	Quantity	% Share	Quantity	% Share	Quantity	% Share	
World	28.8	100.0	20.5	100.0	18.2	100.0	-11.1
EU 27 Brexit	23.4	81.5	18.0	88.0	16.7	91.4	-7.6
Middle East	0.9	3.2	0.2	0.9	0.2	1.1	6.1
Africa	0.1	0.4	0.0	0.0	0.0	0.0	20.2
South Asia	0.0	0	0.0	0.0	0.0	0	-74.7
France	5.4	18.8	6.6	32.3	4.8	26.5	-27.2
Poland	0.0	0.1	0.0	0.1	4.3	23.3	22,721.2
Hungary	8.4	29.2	6.0	29.1	3.0	16.3	-50.3
Romania	7.8	27.3	2.8	13.4	2.5	13.8	-8.6
Austria	1.0	3.6	1.2	5.8	1.1	6.1	-5.9
Serbia	1.5	5.3	0.4	1.8	0.8	4.2	107.9
Spain	0.1	0.4	0.5	2.4	0.5	2.7	-0.8
United States	0.8	2.7	0.3	1.2	0.3	1.8	30.1
Türkiye	0.9	3.2	0.2	0.9	0.2	1.1	6.1
Italy	0.0	0.0	0.1	0.4	0.2	1.0	146.1
Germany	0.1	0.4	0.1	0.4	0.2	1.0	132.1
Switzerland	1.8	6.2	0.3	1.4	0.1	0.7	-55.9
Chile	0.0	0.2	0.3	1.3	0.1	0.7	-55.4
Croatia	0.4	1.3	0.3	1.6	0.1	0.4	-75.6
Slovakia	0.1	0.5	0.5	2.4	0.1	0.3	-88.0
Belarus	0.1	0.2	1.1	5.2	0.0	0.1	-98.5
Mexico	0.0	0.0	0.0	0.0	0.0	0.0	-16.3
New Zealand	0.0	0.0	0.0	0.1	0.0	0.0	-83.9
Senegal	0.0	0	0.0	0.0	0.0	0.0	20.2
Russia	0.0	0	0.0	0	0.0	0	-100.0
Argentina	0.0	0.1	0.0	0	0.0	0	0
Puerto Rico	0.0	0	0.0	0	0.0	0	0
South Africa	0.1	0.4	0.0	0	0.0	0	0
Moldova	0.1	0.2	0.0	0.0	0.0	0	-79.0
India	0.0	0	0.0	0.0	0.0	0	-74.7
Canada	0.0	0.0	0.0	0.0	0.0	0	-100.0
Greece	0.0	0	0.0	0.1	0.0	0	-100.0
Guatemala	0.0	0	0.0	0	0.0	0	-100.0
Georgia	0.0	0	0.0	0.0	0.0	0	-100.0

Source: Trade Data Monitor, LLC

Corn Import Statistics by Month and Country of Origin, Ukraine, MT (HS Code 1005)

Destination	Subtotal Oct - Dec 2021	Subtotal MY 2021/22	Oct-22	Nov-22	Dec-22	Subtotal Oct - Dec 2022	% Change Oct - Dec 2022 to Oct - Dec 2021
World	3,704	18,238	766	1,776	6,164	8,706	235.0
EU 27 Brexit	3,061	16,672	697	1,756	6,107	8,560	279.6
Hungary	811	2,966	256	747	2,782	3,785	466.7
Poland	0	4,257	249	66	1,306	1,621	∞
Croatia	0	78	0	0	1,103	1,103	∞
Romania	1,113	2,519	8	759	449	1,216	109.3
Austria	217	1,119	63	98	240	401	184.8
France	696	4,824	82	86	227	395	56.8
United States	208	331	62	20	42	124	59.6
Chile	64	119	6	0	15	21	32.8
Germany	10	177	0	0	0	0	0.0
Belarus	0	16	0	0	0	0	∞
Italy	103	180	0	0	0	0	0.0
Mexico	1	2	0	0	0	0	0.0
New Zealand	0	2	0	0	0	0	∞
Senegal	0	2	0	0	0	0	∞
Serbia	344	762	0	0	0	0	0.0
Slovakia	0	60	0	0	0	0	∞
Spain	110	490	40	0	0	40	36.4
Switzerland	5	126	0	0	0	0	0.0
Türkiye	22	205	0	0	0	0	0.0

Source: Trade Data Monitor, LLC

Corn Seed Imports to Ukraine by Country of Origin, Calendar Year, MT (HS Code 100510)

Origin	MY 2019/20 (Oct. 19-Sept. 20)		MY 2020/21 (Oct. 20-Sept. 21)		MY 2021/22 (Oct. 21-Sept. 22)		% Change MY 2021/22 to 2020/21
	Quantity	% Share	Quantity	% Share	Quantity	% Share	
World	27,438	100.0	18,145	100.0	12,087	100.0	-33.4
EU 27 Brexit	23,044	84.0	17,032	93.9	10,852	89.8	-36.3
Middle East	905	3.3	169	0.9	205	1.7	21.8
Africa	0	0	2	0.0	2	0.0	20.2
South Asia	1	0	2	0.0	0	0	-74.7
France	5,238	19.1	6,215	34.3	4,383	36.3	-29.5
Romania	7,841	28.6	2,755	15.2	2,518	20.8	-8.6
Hungary	8,300	30.3	5,851	32.3	2,319	19.2	-60.4
Austria	1,045	3.8	1,189	6.6	1,119	9.3	-5.9
Serbia	1,535	5.6	367	2.0	762	6.3	107.9
Türkiye	905	3.3	169	0.9	205	1.7	21.8
Italy	1	0	70	0.4	176	1.5	150.4
Germany	104	0.4	75	0.4	175	1.5	133.6
Switzerland	1,750	6.4	272	1.5	126	1.0	-53.7
Chile	46	0.2	268	1.5	119	1.0	-55.4
Croatia	363	1.3	321	1.8	78	0.7	-75.6
Slovakia	132	0.5	498	2.7	60	0.5	-88.0
Poland	20	0.1	19	0.1	24	0.2	27.5
Belarus	61	0.2	0	0	16	0.1	3535.6
New Zealand	9	0.0	11	0.1	2	0.0	-83.9
Senegal	0	0	2	0.0	2	0.0	20.2
United States	17	0.1	18	0.1	1	0.0	-93.7
Spain	0	0	22	0.1	0	0	-100.0
Argentina	4	0.0	0	0	0	0	0
Russia	0	0	0	0	0	0	-100.0
Mexico	0	0	0	0	0	0	0
Moldova	57	0.2	2	0.0	0	0	-79.0
India	1	0	2	0.0	0	0	-74.7
Canada	9	0.0	2	0.0	0	0	-100.0
Greece	0	0	17	0.1	0	0	-100.0
Guatemala	0	0	0	0	0	0	-100.0

Source: Trade Data Monitor, LLC

Corn Seed Imports to Ukraine by Country of Origin, Calendar Year, MT (HS Code 100510)

Destination	Subtotal Oct - Dec 2021	Subtotal MY 2021/22	Oct-22	Nov-22	Dec-22	Subtotal Oct - Dec 2022	% Change Oct - Dec 2022 to Oct - Dec 2021
World	3,258	12,087	352	835	963	2,150	66.0
EU 27 Brexit	2,823	10,851	345	835	948	2,128	75.4
Hungary	771	2,319	213	167	374	754	97.8
Austria	217	1,119	63	98	240	401	184.8
France	611	4,384	61	43	227	331	54.2
Romania	1,113	2,518	8	526	107	641	57.6
Chile	64	119	6	0	15	21	32.8
Croatia	0	78	0	0	0	0	∞
Belarus	0	16	0	0	0	0	∞
Italy	102	177	0	0	0	0	0.0
New Zealand	0	2	0	0	0	0	∞
Poland	0	24	0	0	0	0	∞
Senegal	0	2	0	0	0	0	∞
Serbia	344	762	0	0	0	0	0.0
Slovakia	0	60	0	0	0	0	∞
Switzerland	5	126	0	0	0	0	0.0
Türkiye	22	205	0	0	0	0	0.0
United States	0	1	0	0	0	0	∞
Germany	9	175	0	0	0	0	0.0

Source: Trade Data Monitor, LLC

Wheat Exports from Ukraine by Destination, MY, 1000 MT (HS Code 1001)

Destination	MY 2019/20 (July 19-June 20)		MY 2020/21 (July 20-June 21)		MY 2021/22 (July 21-June 22)		% Change MY 2021/22 to 2020/21
	Quantity	% Share	Quantity	% Share	Quantity	% Share	
World	20,525.9	100.0	16,639.7	100.0	18,716.5	100.0	12.5
Africa	7,969.2	38.8	6,007.0	36.1	6,842.9	36.6	13.9
Middle East	3,761.3	18.3	2,759.9	16.6	4,832.5	25.8	75.1
East and Southeast Asia	5,577.3	27.2	4,450.8	26.8	4,156.4	22.2	-6.6
South Asia	2,297.6	11.2	2,653.4	16.0	2,193.0	11.7	-17.4
EU 27 Brexit	523.4	2.6	662.9	4.0	439.7	2.4	-33.7
Egypt	3,802.1	18.5	2,458.5	14.8	2,929.9	15.7	19.2
Indonesia	2,985.1	14.5	2,606.3	15.7	2,635.1	14.1	1.1
Türkiye	1,397.1	6.8	794.0	4.8	1,941.7	10.4	144.5
Pakistan	0.0	0	1,398.9	8.4	1,468.9	7.9	5.0
Saudi Arabia	0.0	0	154.4	0.9	750.8	4.0	386.2
Yemen	885.7	4.3	793.1	4.8	700.9	3.8	-11.6
Bangladesh	2,295.2	11.2	1,126.8	6.8	631.8	3.4	-43.9
Tunisia	1,007.0	4.9	701.0	4.2	610.5	3.3	-12.9
Morocco	636.5	3.1	1,085.1	6.5	596.6	3.2	-45.0
Lebanon	578.6	2.8	628.3	3.8	535.0	2.9	-14.9
Algeria	34.8	0.2	13.0	0.1	466.9	2.5	3,491.6
Ethiopia	363.2	1.8	361.0	2.2	444.9	2.4	23.3
Philippines	1,055.7	5.1	565.5	3.4	413.9	2.2	-26.8
Libya	626.7	3.1	651.4	3.9	413.1	2.2	-36.6
South Korea	397.0	1.9	322.6	1.9	396.1	2.1	22.8
Israel	448.4	2.2	196.7	1.2	369.8	2.0	88.0
Thailand	611.3	3.0	481.3	2.9	358.8	1.9	-25.5
Kenya	300.7	1.5	40.5	0.2	353.3	1.9	773.3
Vietnam	1.0	0.0	267.4	1.6	278.6	1.5	4.2
Iran	0.0	0	0.0	0	264.2	1.4	0
Nigeria	242.0	1.2	89.1	0.5	259.0	1.4	190.7
Oman	24.1	0.1	0.0	0	207.1	1.1	858,559.3
Mexico	285.5	1.4	32.7	0.2	190.7	1.0	482.6
Spain	316.7	1.5	347.6	2.1	158.7	0.9	-54.4
Djibouti	166.2	0.8	79.5	0.5	146.6	0.8	84.4
Mauritania	172.9	0.8	137.2	0.8	136.8	0.7	-0.3
Tanzania	28.7	0.1	86.0	0.5	123.4	0.7	43.5
Italy	133.7	0.7	160.8	1.0	111.7	0.6	-30.6
Sudan	236.7	1.2	10.2	0.1	96.6	0.5	843.6
Sri Lanka	0.2	0	127.6	0.8	92.3	0.5	-27.7
Romania	0.0	0	0.0	0	84.6	0.5	0
Jordan	215.9	1.1	187.8	1.1	63.1	0.3	-66.4
Ghana	0.0	0	0.0	0	48.0	0.3	0
Uganda	86.7	0.4	0.0	0	46.1	0.3	0
Somalia	0.0	0	70.0	0.4	44.0	0.2	-37.2
Malaysia	418.8	2.0	182.1	1.1	41.3	0.2	-77.3
Cameroon	0.0	0	17.0	0.1	33.9	0.2	99.1
Eritrea	9.3	0.1	0.0	0	33.0	0.2	0
Myanmar	78.8	0.4	19.3	0.1	31.2	0.2	62.1
United Kingdom	32.6	0.2	14.1	0.1	28.6	0.2	103.2
Greece	18.3	0.1	95.5	0.6	27.0	0.1	-71.7
Other	632.7	0.0	337.2	0.0	152.3	0.0	-100.0

Source: Trade Data Monitor, LLC

Wheat Export Statistics by Month and Destination, Ukraine, 1000 MT (HS Code 1001)

Destination	Subtotal Jul - Dec 2021	Subtotal MY 2021/22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Subtotal Jul - Dec 2022	% Change Jul - Dec 2022 to Jul - Dec 2021
World	15,900.6	18,716.5	376.1	880.9	1,783.7	1,956.5	1,767.3	1,643.0	8,407.3	52.9
EU 27 Brexit	283.7	439.7	223.3	374.9	876.5	948.8	872.7	816.5	4,112.7	1449.8
Middle East	3,839.6	4,832.5	140.2	329.0	450.7	389.7	558.8	360.6	2,229.0	58.1
Africa	5,470.1	6,842.9	11.3	150.4	268.0	281.7	160.5	236.2	1,108.2	20.3
East and Southeast Asia	4,149.8	4,156.4	0.5	3.0	4.3	258.3	89.6	185.1	540.8	13.0
South Asia	1,912.9	2,193.0	0.0	0.0	161.1	49.4	77.0	36.1	323.6	16.9
Spain	158.7	158.7	0.0	0.0	379.0	313.0	116.0	346.3	1,154.3	727.4
Türkiye	1,532.4	1,941.7	105.3	276.5	385.8	321.8	336.5	281.4	1,707.3	111.4
Romania	0.0	84.6	158.2	255.0	227.6	278.6	243.5	210.9	1,373.8	∞
Indonesia	2,634.6	2,635.1	0.0	2.4	2.0	140.3	16.7	184.3	345.6	13.1
Poland	1.2	15.9	13.8	30.3	62.6	147.7	184.2	127.7	566.2	46676.8
Egypt	2,357.2	2,929.9	11.3	56.7	67.6	40.3	30.5	94.3	300.5	12.8
Greece	25.5	27.0	0.0	19.6	29.1	52.9	45.2	53.4	200.2	783.7
Israel	325.4	369.8	0.0	0.0	0.0	38.2	18.4	46.6	103.1	31.7
Bangladesh	631.8	631.8	0.0	0.0	161.1	49.4	77.0	36.1	323.6	51.2
Lebanon	373.3	535.0	34.9	52.4	64.9	29.7	47.2	32.3	261.5	70.0
Ethiopia	402.3	444.9	0.0	0.0	30.0	30.0	30.0	30.0	120.0	29.8
Algeria	160.3	466.9	0.0	0.0	30.9	92.8	30.5	27.0	181.2	113.0
Somalia	14.0	44.0	0.0	0.0	28.8	0.0	0.0	25.0	53.8	384.5
Italy	84.6	111.7	0.0	10.3	106.2	68.8	160.4	23.9	369.6	437.1
Kenya	353.3	353.3	0.0	0.0	32.0	22.0	0.0	23.8	77.8	22.0
Uganda	46.1	46.1	0.0	0.0	19.4	31.5	0.0	20.3	71.1	154.3
Hungary	0.1	5.2	31.0	34.1	36.8	44.7	64.7	18.8	230.0	353867.7
Slovakia	0.0	1.6	4.6	7.9	18.5	19.6	27.0	17.1	94.6	∞
Libya	326.8	413.1	0.0	0.0	0.0	0.0	22.8	16.0	38.9	11.9
Germany	1.7	6.1	4.6	10.7	5.3	1.7	5.0	6.5	33.9	1949.3
Switzerland	8.4	12.8	0.3	2.2	7.0	14.2	7.9	3.8	35.5	421.8
Albania	4.7	4.7	0.0	6.1	5.7	4.3	0.0	3.2	19.3	414.9
Latvia	0.0	0.2	0.1	0.5	0.9	2.2	4.7	2.8	11.2	∞
Lithuania	0.0	5.3	7.1	3.5	4.0	6.6	6.6	2.6	30.3	∞
Other	6,458.2	7,471.3	4.8	112.7	78.5	206.3	292.6	9.1	704.0	10.9

Source: Trade Data Monitor, LLC

**Wheat Flour and Products Exports from Ukraine by Destination, MY, 1000 MT
(HS Codes 1101, 190219, 190230, 190240, 190430)**

Destination	MY 2019/20 (July 19-June 20)		MY 2020/21 (July 20-June 21)		MY 2021/22 (July 21-June 22)		% Change MY 2021/22 to 2020/21
	Quantity	% Share	Quantity	% Share	Quantity	% Share	
World	358.1	100.0	154.8	100.0	92.9	100.0	-40.0
Middle East	136.2	38.0	72.3	46.7	37.6	40.5	-47.9
Africa	56.8	15.9	18.9	12.2	19.3	20.7	1.8
EU 27 Brexit	16.2	4.5	19.2	12.4	15.0	16.2	-22.0
East and Southeast Asia	100.8	28.2	7.7	5.0	0.0	0.0	-99.6
South Asia	0.0	0	0.4	0.3	0.0	0	-100.0
United Arab Emirates	84.2	23.5	32.1	20.8	13.8	14.9	-57.0
Moldova	29.3	8.2	22.2	14.3	13.2	14.2	-40.6
Gaza Strip and West Bank	31.4	8.8	19.4	12.6	11.5	12.4	-40.7
Israel	16.5	4.6	19.0	12.3	11.3	12.2	-40.3
Somalia	19.9	5.5	10.9	7.1	10.0	10.8	-8.1
Djibouti	1.3	0.4	1.1	0.7	4.7	5.1	330.0
Germany	3.3	0.9	4.0	2.6	3.4	3.7	-14.3
Angola	0.4	0.1	0.1	0.1	2.9	3.1	2,824.1
United Kingdom	3.6	1.0	3.7	2.4	2.8	3.1	-22.8
Romania	2.6	0.7	2.6	1.7	2.7	2.9	3.2
Belarus	4.5	1.3	3.0	2.0	2.4	2.6	-21.1
Venezuela	4.3	1.2	5.1	3.3	1.6	1.7	-68.5
Spain	1.6	0.4	2.1	1.3	1.2	1.2	-44.7
Lithuania	1.0	0.3	1.1	0.7	1.0	1.1	-2.7
Poland	1.4	0.4	1.6	1.0	1.0	1.1	-37.4
Bulgaria	0.7	0.2	1.0	0.6	0.9	1.0	-7.6
Hungary	1.4	0.4	1.7	1.1	0.8	0.9	-51.2
Other	150.6	42.1	24.1	15.6	7.6	8.2	-68.3

Source: Trade Data Monitor, LLC

**Wheat Flour and Products Export Statistics by Month and Destination, Ukraine, MT
(HS Codes 1101, 190219, 190230, 190240, 190430)**

Destination	Subtotal Jul - Dec 2021	Subtotal MY 2021/22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Subtotal Jul - Dec 2022	% Change Jul - Dec 2022 to Jul - Dec 2021
World	74,951	92,926	4,508	8,414	11,897	14,442	17,876	14,391	71,528	95.4
EU 27 Brexit	9,926	15,004	1,834	2,884	4,627	7,834	8,303	8,659	34,141	344.0
Middle East	32,387	37,642	1,350	1,266	1,984	4,682	4,887	2,428	16,597	51.2
South Asia	0	0	0	0	0	120	144	96	360	∞
Africa	17,361	19,252	387	0	490	48	0	0	925	5.3
East and Southeast Asia	17	28	0	0	0	0	0	0	0	0.0
Moldova	9,275	13,180	901	4,198	4,776	1,683	4,449	3,111	19,118	206.1
Poland	512	986	516	751	1,024	2,244	2,786	2,976	10,297	2011.1
Romania	1,873	2,690	313	674	1,203	2,573	1,492	1,614	7,869	420.1
Croatia	67	82	67	90	265	462	1,043	1,209	3,136	4680.6
Gaza Strip and West Bank	9,954	11,525	645	343	1,312	996	2,164	1,074	6,534	65.6
Hungary	407	830	54	519	528	340	609	808	2,858	702.2
Israel	10,102	11,337	388	393	0	846	342	629	2,598	25.7
Türkiye	146	400	224	289	51	360	562	607	2,093	1433.6
Germany	2,231	3,398	148	218	128	229	496	526	1,745	78.2
Slovakia	341	431	293	44	957	220	501	391	2,406	705.6
Czech Republic	253	465	42	96	31	342	462	338	1,311	518.2
Lithuania	746	1,040	149	204	188	859	275	293	1,968	263.8
Latvia	552	807	82	189	134	150	147	289	991	179.5
Bulgaria	630	912	98	83	120	297	423	132	1,153	183.0
Sri Lanka	0	0	0	0	0	120	144	96	360	∞
United Kingdom	2,009	2,847	35	44	5	75	45	75	279	13.9
Iraq	228	293	0	95	0	157	278	69	599	262.7
Other	35,623	41,699	551	184	1,174	2,488	1,658	154	6,209	17.4

Source: Trade Data Monitor, LLC

**Wheat Flour and Products Imports to Ukraine by Country of Origin, MY, 1000 MT
(HS Codes 1101, 190219, 190230, 190240, 190430)**

Destination	MY 2019/20 (July 19-June 20)		MY 2020/21 (July 20-June 21)		MY 2021/22 (July 21-June 22)		% Change MY 2021/22 to 2020/21
	Quantity	% Share	Quantity	% Share	Quantity	% Share	
World	67.4	100.0	77.7	100.0	68.9	100.0	-11.3
EU 27 Brexit	41.6	61.7	40.9	52.6	45.3	65.8	10.8
Middle East	22.7	33.6	17.2	22.1	19.0	27.6	10.5
East and Southeast Asia	1.4	2.0	2.1	2.7	1.3	1.8	-39.4
Africa	0.7	1.1	0.4	0.5	0.4	0.5	-6.7
Italy	28.3	42.1	28.6	36.8	29.9	43.3	4.3
Türkiye	22.7	33.6	17.1	22.1	19.0	27.5	10.7
Poland	10.6	15.7	9.5	12.2	10.5	15.2	11.0
Belarus	0.4	0.6	16.5	21.2	2.1	3.0	-87.4
Latvia	0.9	1.4	1.1	1.4	1.8	2.6	63.4
Greece	0.2	0.4	0.4	0.5	1.3	1.9	241.8
China	0.8	1.2	1.2	1.5	0.6	0.9	-47.0
Hungary	0.7	1.0	0.4	0.6	0.6	0.9	39.9
Russia	0.6	0.9	0.5	0.7	0.5	0.7	-6.2
Vietnam	0.5	0.7	0.7	0.9	0.5	0.7	-36.4
Tunisia	0.5	0.8	0.3	0.4	0.2	0.4	-8.8
Moldova	0.0	0	0.0	0	0.2	0.4	0
Czech Republic	0.1	0.1	0.1	0.1	0.2	0.3	292.2
France	0.4	0.5	0.3	0.4	0.2	0.3	-35.9
Lithuania	0.0	0.0	0.0	0.0	0.2	0.2	1,634.3
Bulgaria	0.0	0.0	0.0	0.0	0.2	0.2	881.3
Finland	0.1	0.2	0.1	0.2	0.1	0.2	29.8
Other	0.6	1.0	0.9	1.1	0.8	1.1	-10.8

Source: Trade Data Monitor, LLC

**Wheat Flour and Products Import Statistics by Month and Country of Origin, Ukraine, MT
(HS Codes 1101, 190219, 190230, 190240, 190430)**

Destination	Subtotal Jul - Dec 2021	Subtotal MY 2021/22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Subtotal Jul - Dec 2022	% Change Jul - Dec 2022 to Jul - Dec 2021
World	33,913	68,938	4,775	3,850	2,670	3,057	2,580	2,558	19,490	57.5
EU 27 Brexit	22,387	45,345	3,096	2,651	1,819	1,646	1,754	1,778	12,744	56.9
Middle East	8,274	19,000	1,620	1,053	723	1,340	696	629	6,061	73.3
East and Southeast Asia	872	1,265	58	147	107	51	41	117	521	59.7
South Asia	1	5	0	0	0	0	0	0	0	0.0
Africa	342	365	1	0	0	21	54	0	76	22.2
Italy	15,975	29,872	2,275	2,055	1,397	1,298	1,249	1,328	9,602	60.1
Türkiye	8,273	18,970	1,611	1,053	723	1,340	696	629	6,052	73.2
Poland	4,712	10,498	416	317	165	233	265	218	1,614	34.3
China	443	633	28	124	30	35	12	89	318	71.8
Greece	260	1,341	79	28	108	25	87	83	410	157.7
Latvia	798	1,816	238	194	134	0	96	58	720	90.2
Uzbekistan	2	11	0	0	0	0	25	34	59	2950.0
Vietnam	304	455	0	22	56	14	17	26	135	44.4
Czech Republic	151	229	11	16	0	16	8	25	76	50.3
Romania	12	118	0	0	0	0	3	21	24	200.0
Hungary	217	617	39	21	4	24	23	18	129	59.4
Lithuania	16	163	1	0	6	9	5	14	35	218.8
Germany	39	72	0	1	2	3	0	5	11	28.2
Finland	36	147	8	9	1	20	0	4	42	116.7
France	113	193	18	10	0	2	4	4	38	33.6
Thailand	45	78	17	0	7	1	4	2	31	68.9
South Korea	82	99	13	1	14	0	8	1	37	45.1
Other	2,438	3,627	20	0	24	36	79	0	159	6.5

Source: Trade Data Monitor, LLC

Rye Exports from Ukraine by Destination, MY, 1000 MT (HS Code 1002)

Destination	MY 2019/20 (July 19-June 20)		MY 2020/21 (July 20-June 21)		MY 2021/22 (July 21-June 22)		% Change MY 2021/22 to 2020/21
	Quantity	% Share	Quantity	% Share	Quantity	% Share	
_World	8.2	100.0	17.1	100.0	161.8	100.0	844.8
EU 27 Brexit	0.2	1.9	15.4	89.7	115.9	71.6	654.6
Middle East	3.2	39.3	0.0	0.3	40.8	25.2	86,574.0
East and Southeast Asia	0.0	0	0.0	0	2.7	1.7	0
South Asia	2.9	35.6	0.0	0	1.1	0.7	0
Spain	0.0	0.0	0.0	0	68.2	42.2	0
Poland	0.2	1.9	8.7	50.8	37.8	23.3	334.0
Türkiye	0.0	0	0.0	0	36.8	22.8	0
Lithuania	0.0	0	6.6	38.8	6.5	4.0	-2.0
Israel	0.1	0.8	0.0	0.3	4.0	2.5	8,431.5
Latvia	0.0	0	0.0	0	3.4	2.1	0
Indonesia	0.0	0	0.0	0	1.6	1.0	0
Belarus	1.9	23.1	1.7	9.9	1.1	0.7	-33.5
Philippines	0.0	0	0.0	0	1.1	0.7	0
Sri Lanka	0.0	0	0.0	0	1.1	0.7	0
Switzerland	0.0	0	0.0	0	0.2	0.1	0
Moldova	0.0	0.1	0.0	0.1	0.0	0	-80.0
United Kingdom	0.0	0	0.0	0.0	0.0	0	-100.0
Bangladesh	2.9	35.6	0.0	0	0.0	0	0
Georgia	0.0	0.1	0.0	0	0.0	0	0
Germany	0.0	0	0.0	0.0	0.0	0	-100.0
Iran	3.2	38.5	0.0	0	0.0	0	0

Source: Trade Data Monitor, LLC

Rye Export Statistics by Month and Destination, Ukraine, MT (HS Code 1002)

Destination	Subtotal Jul - Dec 2021	Subtotal MY 2021/22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Subtotal Jul - Dec 2022	% Change Jul - Dec 2022 to Jul - Dec 2021
World	121,288	161,800	0	501	3,798	1,880	5,732	612	12,523	10.3
EU 27 Brexit	84,448	115,866	0	501	3,785	1,880	5,726	612	12,504	14.8
Poland	28,351	37,769	0	501	3,785	1,880	363	492	7,021	24.8
Romania	0	0	0	0	0	0	0	120	120	∞
Slovakia	0	0	0	0	0	0	558	0	558	∞
Spain	46,200	68,200	0	0	0	0	4,805	0	4,805	10.4
Sri Lanka	1,067	1,067	0	0	0	0	0	0	0	0.0
Switzerland	66	197	0	0	0	0	0	0	0	0.0
Türkiye	27,842	36,804	0	0	0	0	0	0	0	0.0
Belarus	1,133	1,133	0	0	0	0	0	0	0	0.0
Indonesia	1,628	1,628	0	0	0	0	0	0	0	0.0
Israel	4,018	4,018	0	0	0	0	0	0	0	0.0
Latvia	3,386	3,386	0	0	0	0	0	0	0	0.0
Lithuania	6,509	6,509	0	0	0	0	0	0	0	0.0
Moldova	3	3	0	0	0	0	0	0	0	0.0
Oman	0	0	0	0	13	0	6	0	19	∞
Philippines	1,082	1,082	0	0	0	0	0	0	0	0.0

Source: Trade Data Monitor, LLC

Rye Import Statistics by Month and Country of Origin, Ukraine, MT (HS Code 1002)

Destination	Subtotal Jul - Dec 2021	Subtotal MY 2021/22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Subtotal Jul - Dec 2022	% Change Jul - Dec 2022 to Jul - Dec 2021
World	1,033	1,033	19	81	4	13	0	0	117	11.3
EU 27 Brexit	1,033	1,033	19	81	4	13	0	0	117	11.3
Austria	1	1	0	0	0	0	0	0	0	0.0
Denmark	217	217	0	0	0	0	0	0	0	0.0
Germany	725	725	18	81	4	0	0	0	103	14.2
Italy	0	0	1	0	0	0	0	0	1	∞
Lithuania	70	70	0	0	0	0	0	0	0	0.0
Poland	0	0	0	0	0	13	0	0	13	∞
Slovakia	20	20	0	0	0	0	0	0	0	0.0

Source: Trade Data Monitor, LLC

Attachments:

No Attachments