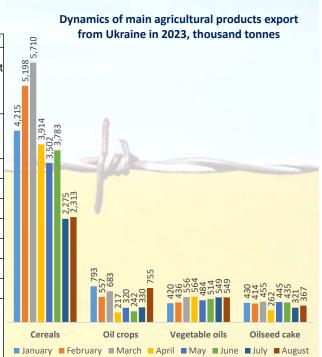
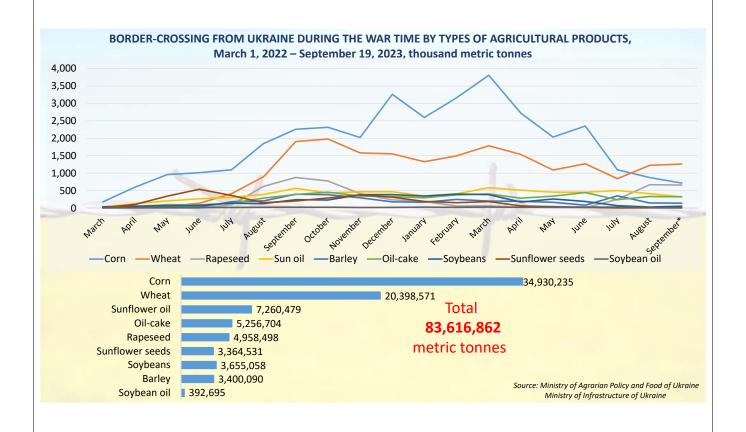


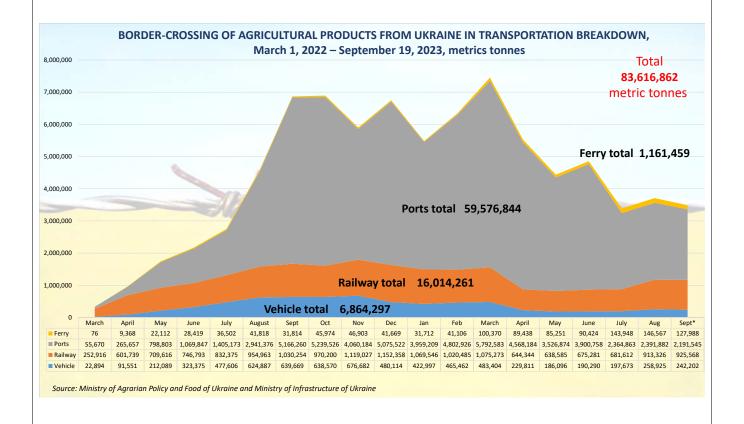


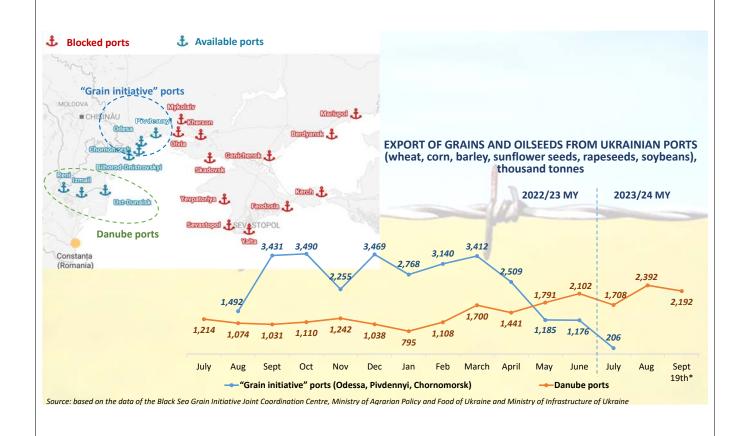
# EXPORT OF GRAIN AND LEGUMES FROM UKRAINE with products of their processing (MY July-June), thousand metric tonnes

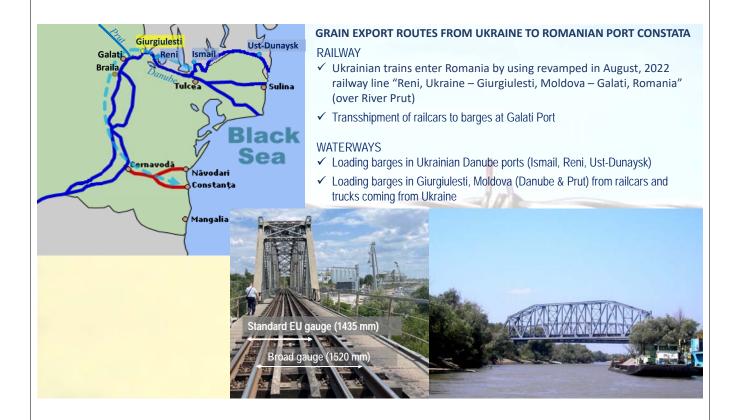
	2020/202	2021/2022	2022/20	23 MY	2023/2024 MY		
	1 MY	MY		incl.	Total, as		
	Total	Total	Total	August		August	
				2022	Sept.	2023	
					15,		
0					2023		
Grain and	43,939	48,508	49,079	2,264	5,370	2,31	
legumes, total						3	
wheat	16,413	18,741	16,900	763	2,502	1,203	
• barley	4,210	5,752	2,713	161	542	203	
• rye	15.8	161.9	18.0	0.5	0.6	0.1	
• corn	22,596	23,535	29,299	1,331	2,311	901	
Wheat flour	123.7	69.4	148.1	7.0	28.3	14.2	
Other flour	1.1	1.5	6.2	0.8	0.9	0.5	
Total flour	124.8	70.9	154.3	7.8	29.2	14.7	
Total	Total 44,105		49,233	2,272	5,400	2,32	
export	,	48,579	-,	,	,,	8	
(grain+flou							
အုာ်)rce: based on data	of State Custon	s Service of Ukr	aine				

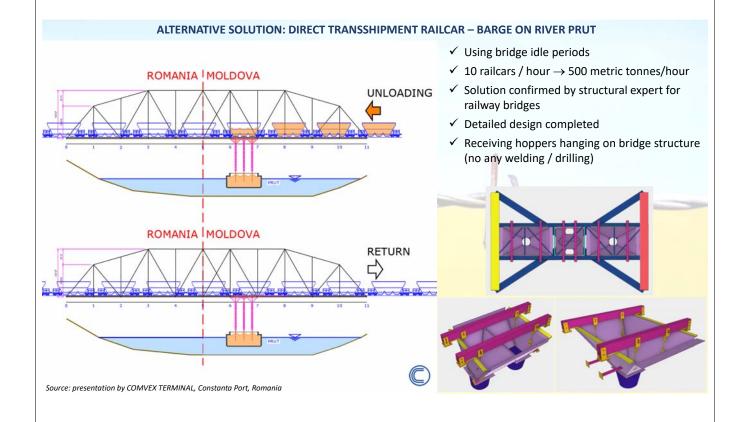


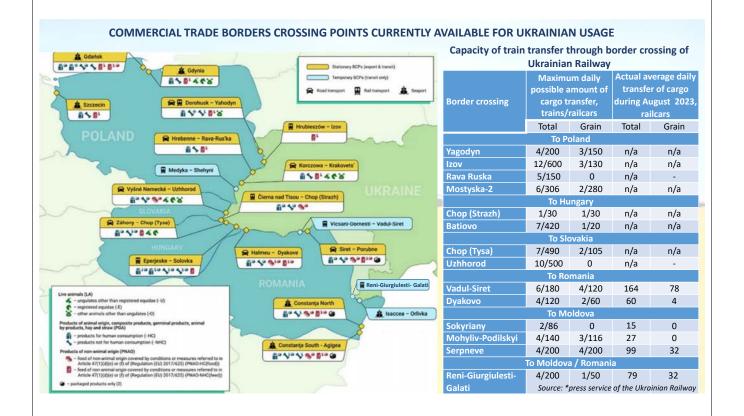


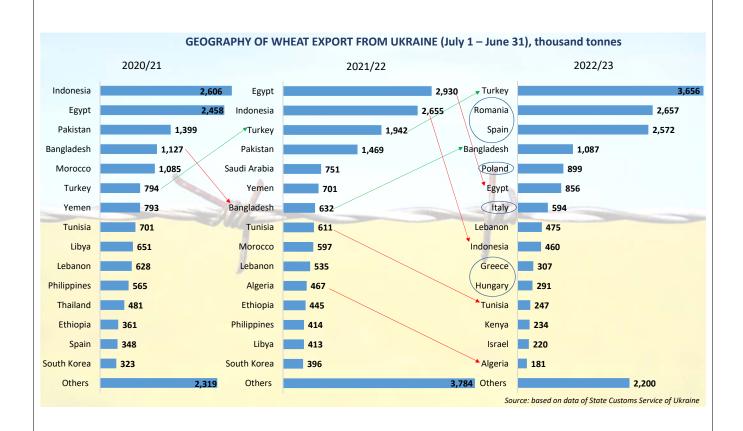


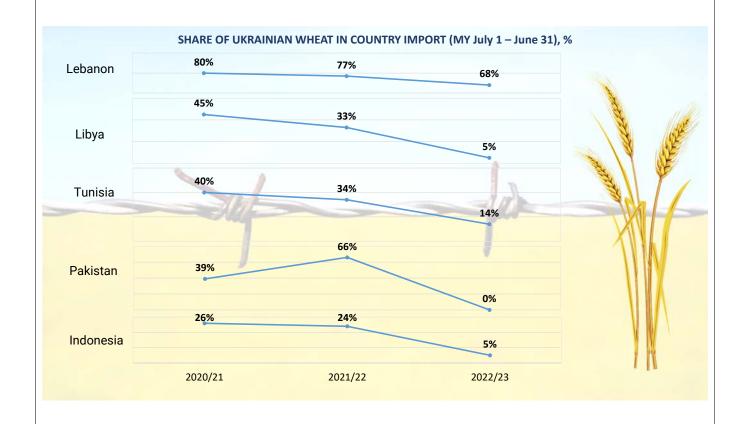


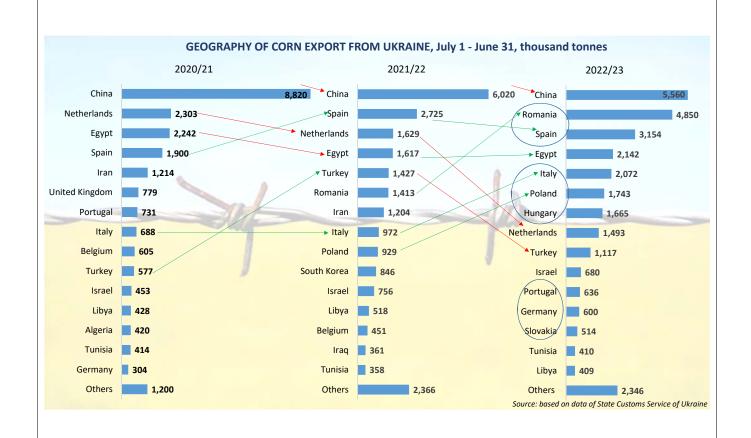


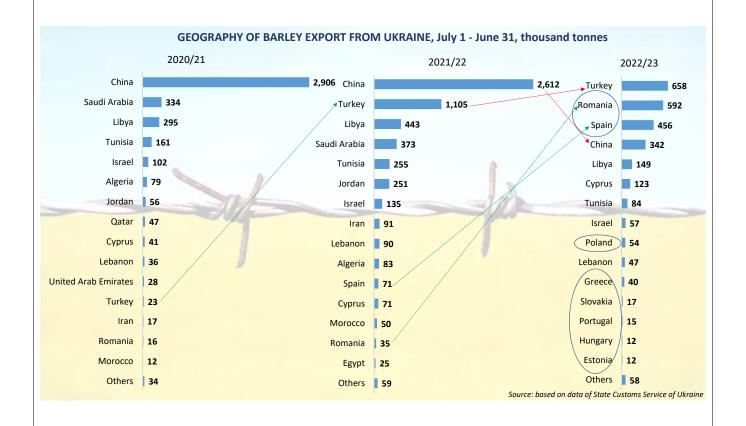


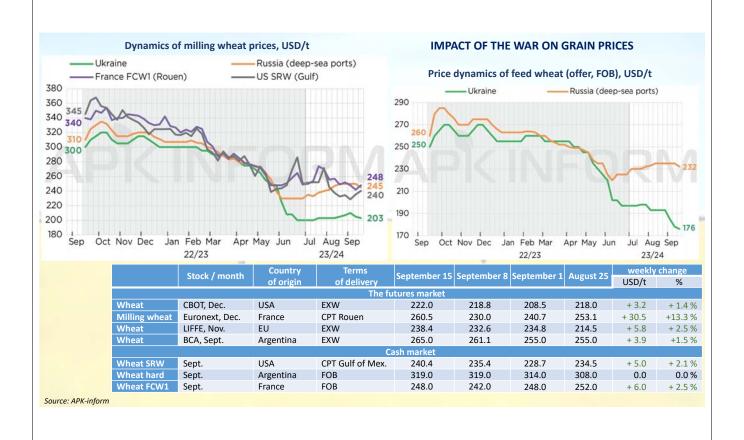


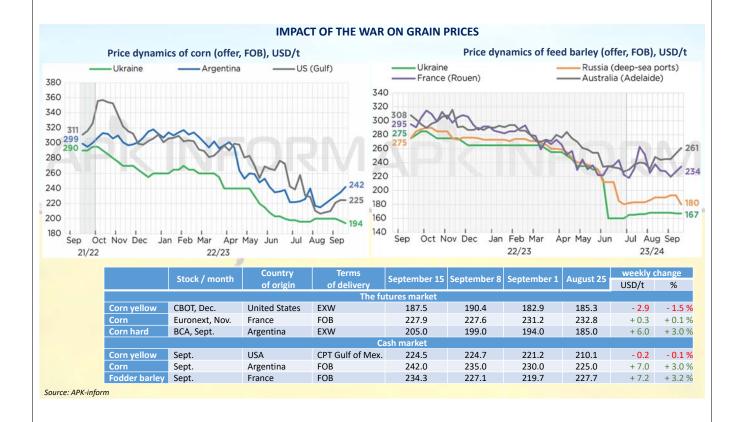


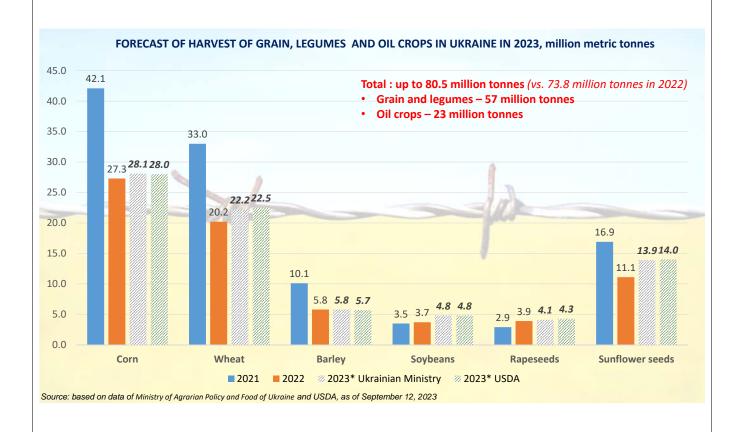












## HARVESTING OF GRAIN, LEGUMES AND OIL CROPS IN UKRAINE, as of September 15, 2023

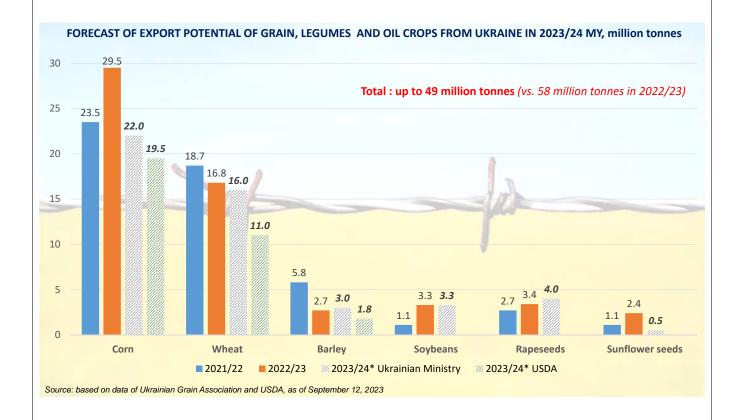
	Harvested, thousand hectares		2023*		Harvested	Harvested 2023*,	Average yields, metric tonnes per hectare		Change in yields per	
Crops	2021	2022	Forecast, thousand hectares	Harvested, thousand hectares	to forecast 2023*, %	thousand metric tonnes	2021	2022	2023*	hectare 2023 to 2022, %
Grain and legumes total, including:	15,299.2	10,969.7	10,569.4	6,477.0	61.3 %	28,625.2	5.50	4.88	4.42	- 9.4 %
• wheat	7,073.0	4,979.4	4,646.4	4,689.7	100.9 %	22,150.6	4.64	4.05	4.72	+ 16.5 %
<ul><li>barley</li></ul>	2,467.7	1,666.5	1,492.9	1,504.1	100.8 %	5,822.6	3.92	3.47	3.87	+ 11.5 %
• peas	240.4	118.1	150.0	154.4	102.9 %	386.6	2.43	2.28	2.50	+ 9.6 %
<ul> <li>buckwheat</li> </ul>	84.2	115.9	141.5	69.6	49.2 %	100.2	1.30	1.37	1.44	+ 5.1 %
• millet	77.9	44.7	83.4	47.4	56.8 %	109.4	2.52	2.28	2.31	+ 1.3 %
• corn	5,356.0	4,045.0	4,055.2	11.9	0.3 %	55.8	8.01	6.68	4.70	- 29.6 %
Soybeans	1,279.5	1,537.0	1,811.0	257.2	14.2 %	624.8	2.68	2.43	2.43	0.0 %
Rapeseed	1,013.9	1,134.8	1,425.6	1,394.9	97.8 %	3,999.7	2.95	2.86	2.87	+ 0.3 %
Sunflower	6,482.4	4,825.5	5,059.7	498.6	9.9 %	1,035.5	2.52	2.18	2.08	- 4.6 %

Note: includes data from territories under Ukrainian control as of the reporting date





Source: based on the data of the State Statistic Service of Ukraine



### SOWN AREA OF WINTER CROPS IN UKRAINE, as of September 19, 2023, thousand hectares

	2020 2021		2022 to	Sown areas in 2023 for the 2024 harvest				
Crops		2021	2022	2021, %	Forecast 2023	Planted as of September 19, 2023	Forecast of 2023 to planted in	
							2022, %	2021, %
Winter crops total, including:	8,973.5	9,029.4	5,449.4	-39.6 %	6,339.9	1,584.2	+ 16.3 %	-29.8 %
<ul><li>winter wheat</li></ul>	6,714.4	6,538.4	3,758.8	-42.5 %	4,355.3	513.7	+ 15.9 %	-33.4 %
<ul><li>winter barley</li></ul>	1,080.4	969.0	612.5	-36.8 %	692.1	46.9	+ 13.0 %	-28.6 %
• winter rye	166.8	108.5	79.2	-27.0 %	80.9	24.0	+ 2.1 %	-25.4 %
<ul><li>winter rapeseeds</li></ul>	1,011.9	1,413.5	998.9	-29.3 %	1,211.6	999.6	+ 21.3%	-14.3 %

Note: includes data from territories under Ukrainian control as of the reporting date

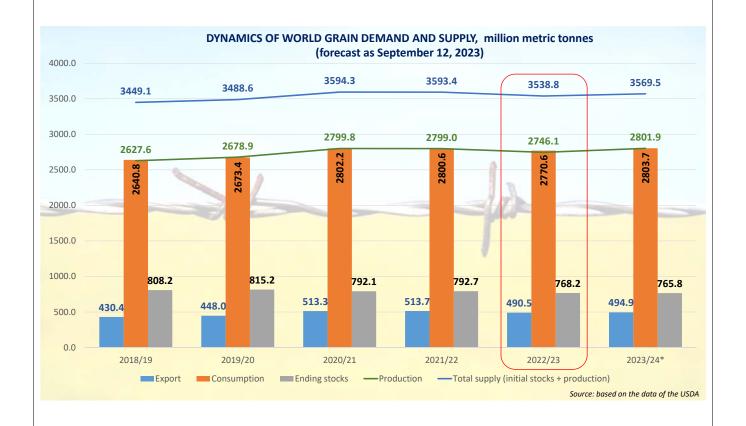


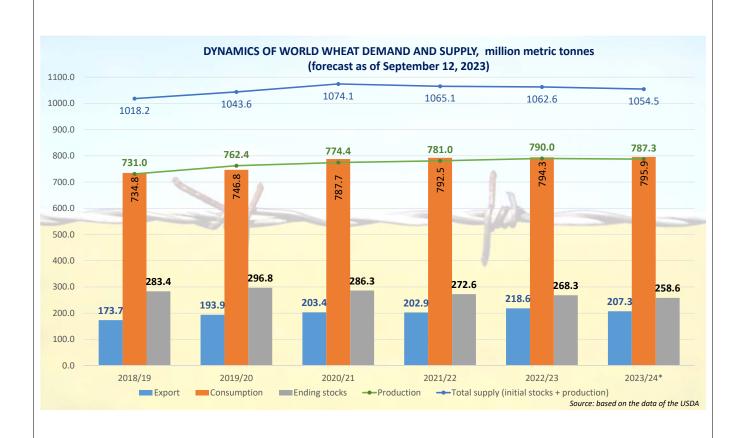
Source: based on the data of the State Statistic Service of Ukraine and Ministry of Agrarian Policy and Food of Ukraine

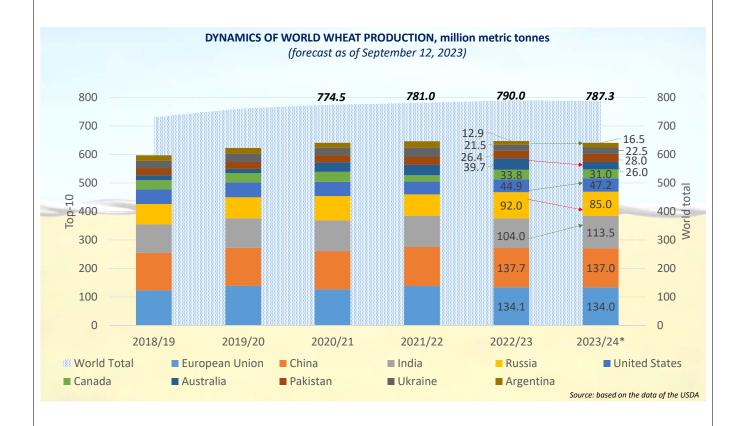
### BALANCE OF SUPPLY AND DEMAND OF GRAIN AND LEGUMES IN UKRAINE (\*forecast as of September 11, 2023)

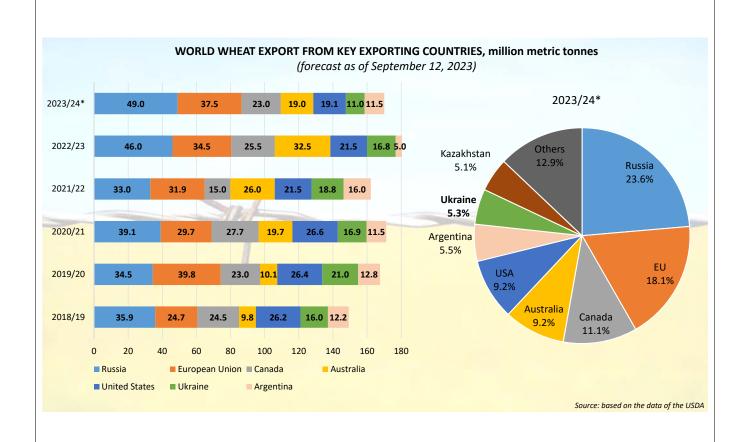
DALANCE OF SOFT ET AND DET						
	2021/22	2022/23	2023/24*	Deviation , %		
	thousand	thousand	thousand	2022/23 to	2023/24* to	
	tonnes	tonnes	tonnes	2021/22	2022/23	
Initial stocks	4,817	13,325	3,855	in +2,8 times	-71.1%	
Sown area, thousand hectares	15,995	12,171	11,104	-23.9%	-8.8%	
Harvested area, thousand hectares	15,948	11,773	10,837	-26.2%	-8.0%	
Yield, tonnes / hectare	5.39	4.58	5.00	-15.0%	+9.2%	
Gross harvest	86,010	53,864	54,215	-37.4%	+0.7%	
Import	125	153	131	+22.8%	-14.7%	
Total supply	90,952	67,342	58,201	-26.0%	-13.6%	
Domestic consumption:	25,396	16,127	17,171	-36.5%	+6.5%	
food	4,611	4,253	4,020	-7.8%	-5.5%	
fodder	13,325	7,935	9,325	-40.5%	+17.5%	
seeds	1,666	1,470	1,579	-11.8%	+7.4%	
losses	4,812	1,696	1,457	-64.8%	-14.1%	
other (alcohol, malt, starch, etc.)	982	773	790	-21.2%	+2.1%	
Export	52,231	47,360	34,188	9.3%	27.8%	
Total distribution (demand)	77,627	63,487	51,359	-18.2%	-19.1%	
Ending stocks	13,325	3,855	6,842	-71.1%	+77.5%	
Ratio of ending stocks to distribution	17 %	6 %	13 %			

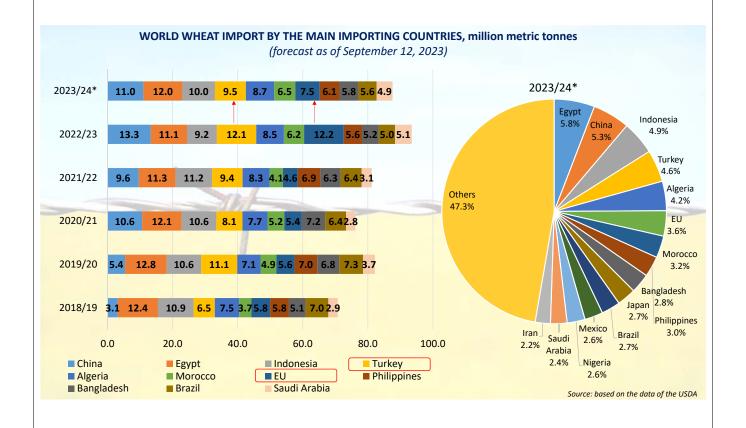
Source: based on "APK-Inform", the State Statistic Service of Ukraine and the State Customs Service of Ukraine

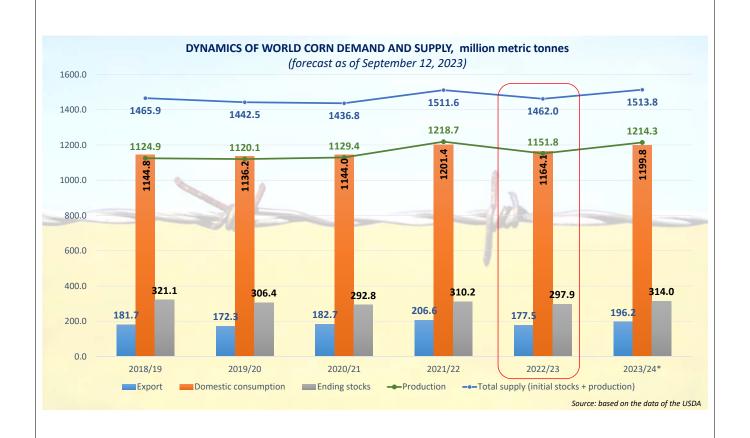


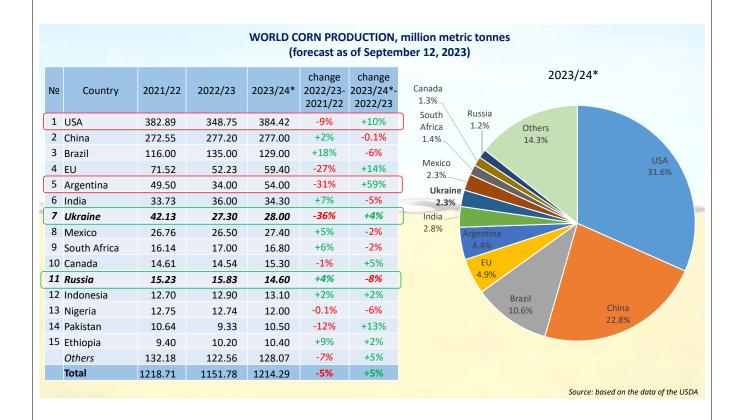


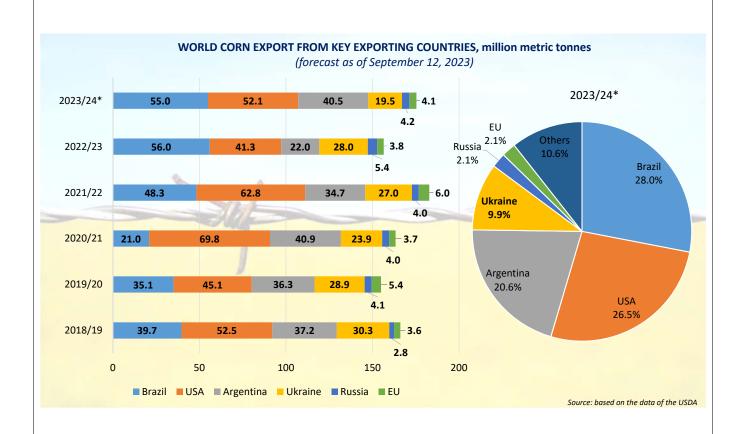












### HARVESTING OF GRAIN, LEGUMES AND OIL CROPS IN RUSSIA,

as of September 15, 2023

			•					
	Produced in	Produced in	2023*					
Commodity	2021,	2022,	Planted,	Harvested,	Yield, tonnes	Produced,		
	million tonnes	million tonnes	million hectares	million hectares	per hectare	million tonne		
Grains and legumes, total	121.39	157.68	48.04	<b>36.50</b> (76.0%)	3.29	119.8 <		
including:								
<ul> <li>Wheat</li> </ul>	76.05	104.24	29.77	23.90 (80.3 %)	3.61	86.5		
• Corn	15.24	15.85	2.64	0.16 (6.1%)	5.95	0.96		
<ul> <li>Barley</li> </ul>	17.99	23.39	7.99	7.00 <i>(87.6%)</i>	2.94	20.5		
<ul> <li>Buckwheat</li> </ul>	0.92	1.22	1.29	0.11 (8.5%)	1.25	0.13		
• Rice	1.08	0.92	0.18	0.01 (5.6%)	6.59	0.05		
Rapeseeds	2.79	4.71	2.11	1.10 (52.1 %)	2.38	2.70		
Soybeans	4.76	6.30	3.63	0.22 (6.1%)	2.07	0.46		
Sunflower seeds	15.66	15.74	9.82	0.61 ( 6.2 %)	2.28	1.40		

Including at least **7 MT** from occupied territories:

- Crimea 2.3
- Donetsk region 0.7
- Luhansk region 0.9
- Kherson region 1.5 Zaporizhzhia region 1.5

2023 grain and legumes harvest forecast – 130 million tonnes, including:

- wheat 91 million tonnes
- corn 15 million tonnes
- barley 23 million tonnes
- ✓ In 2023, the winter crops sowing area is expected at **20 million hectares**.
- ✓ 7.9 million hectares were sown so far.

Source: Ministry of Agriculture of the Russian Federation

