

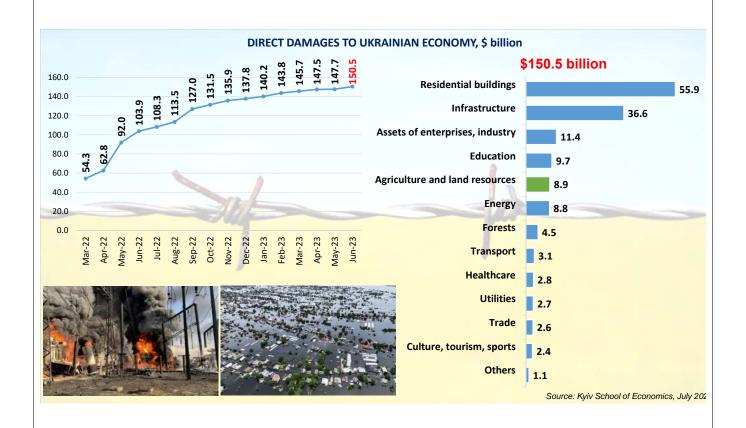
#### **OUTLINE:**

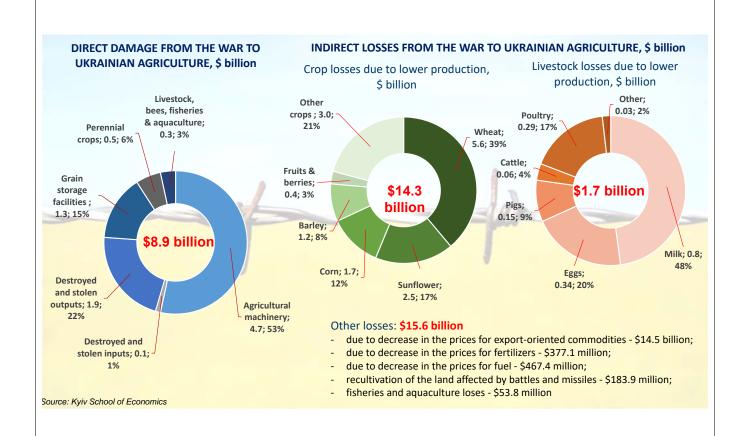
- Damages and losses from the war to Ukrainian economy
- Export of ag commodities from Ukraine and "Grain initiative"
- Influence of the war on the world grain markets
- Forecast of grain production and export from Ukraine and Russia

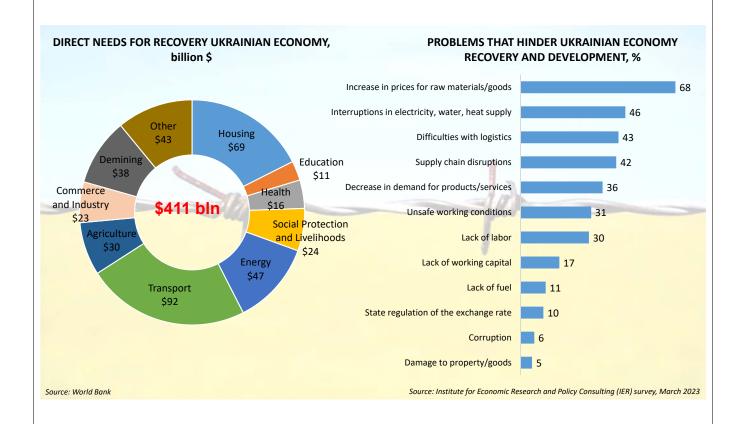


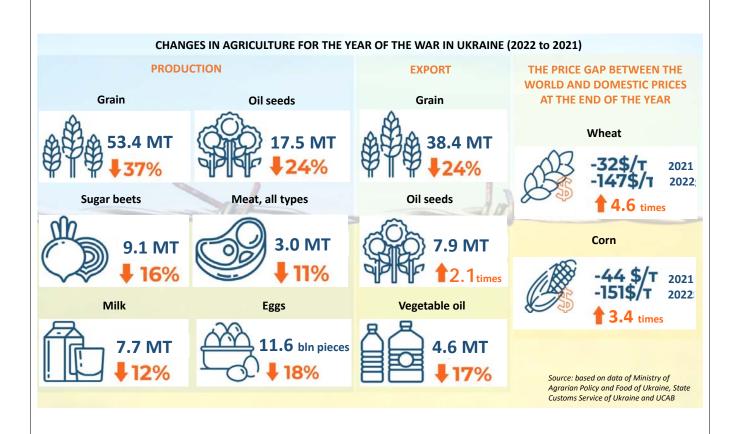
#### Russian attacks, Odesa region









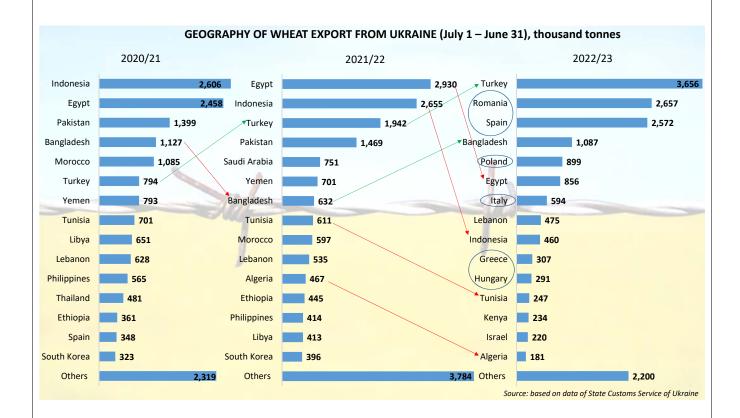


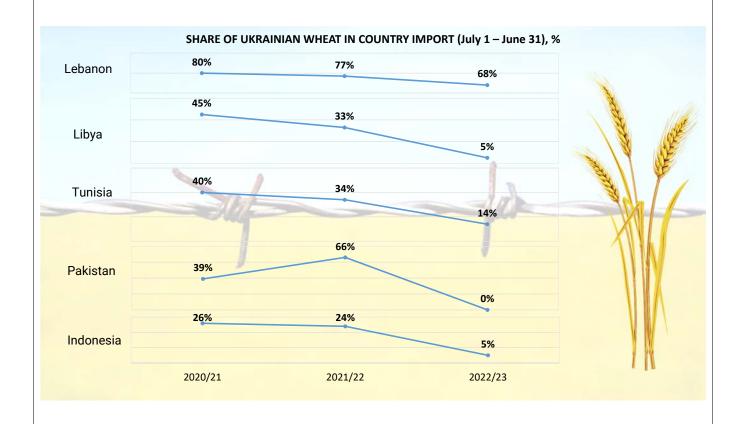
### **EXPORT OF GRAIN AND LEGUMES FROM UKRAINE** with products of their processing (MY July-June), thousand metric tonnes

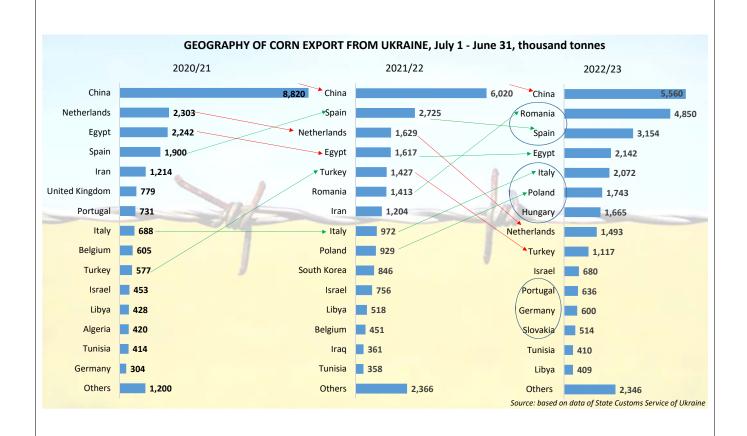
	2020/202 1 MY	2021/2022 MY		2022/20	2023/202 4 MY	
	Total	Total	includin g	Total	includin g	Total, as
			June 2022		June 2023	for August 25, 2023
Grain and legumes, total	43,939	48,508	1,403	49,079	3,783	4,302
wheat	16,413	18,74 1	143	16,900	1,385	1,694
<ul> <li>barley</li> </ul>	4,210	5,752	36	2,713	66	459
• rye	15.8	161.9	0	18.0	0	0.6
• corn	22,596	23,535	1,212	29,299	2,325	1871
Wheat flour	123.7	69.4	1.9	148.1	11.4	10.5
Other flour	1.1	1.5	0.1	6.2	0.6	0.7
Total flour	124.8	70.9	2.0	154.3	12.0	11.2
Total export (grain + flour)	44,105	48,579	1,405	49,23 3	3,795	4,313

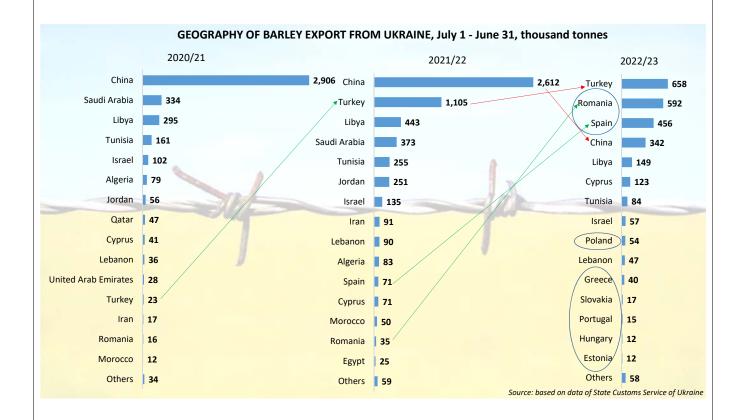


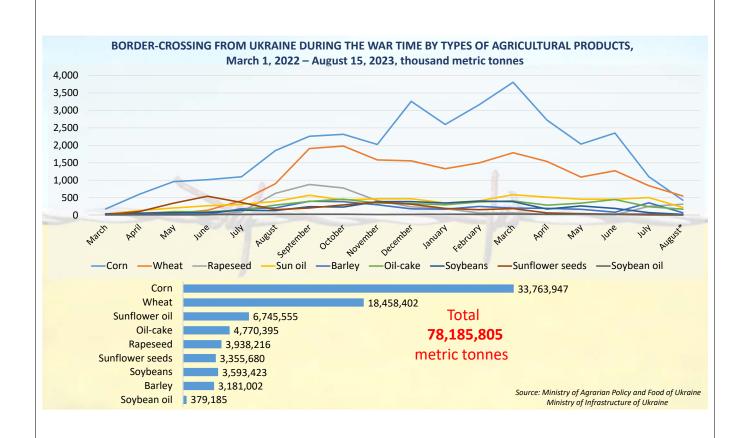


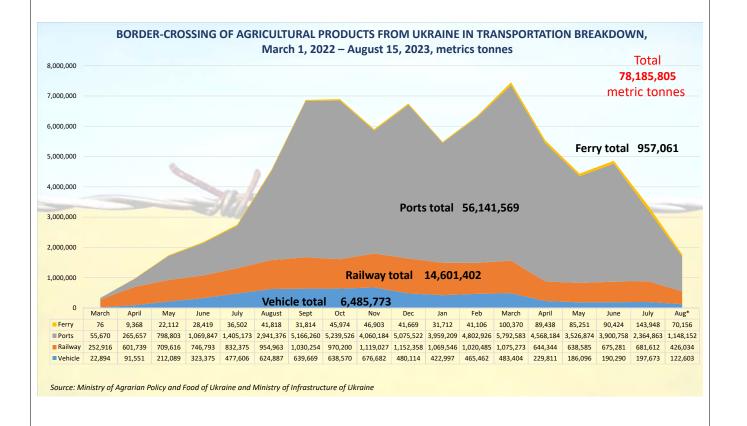


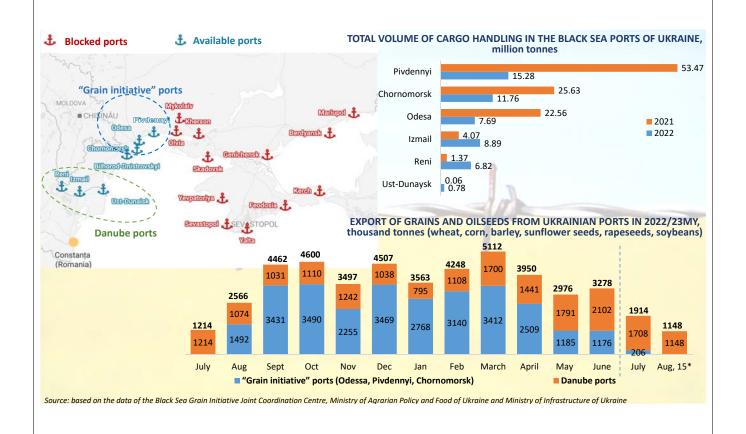


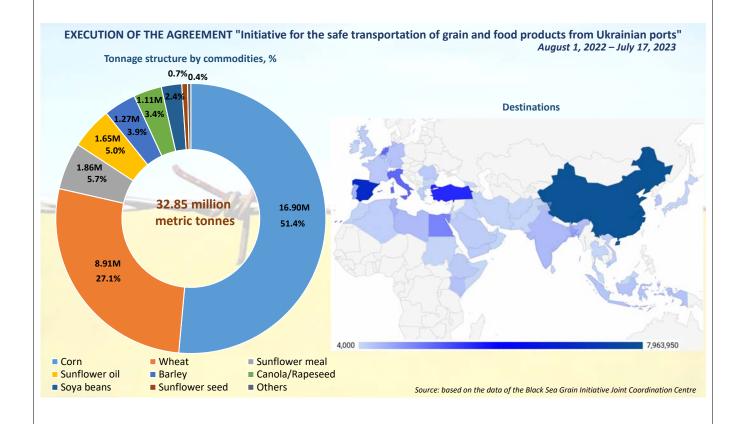


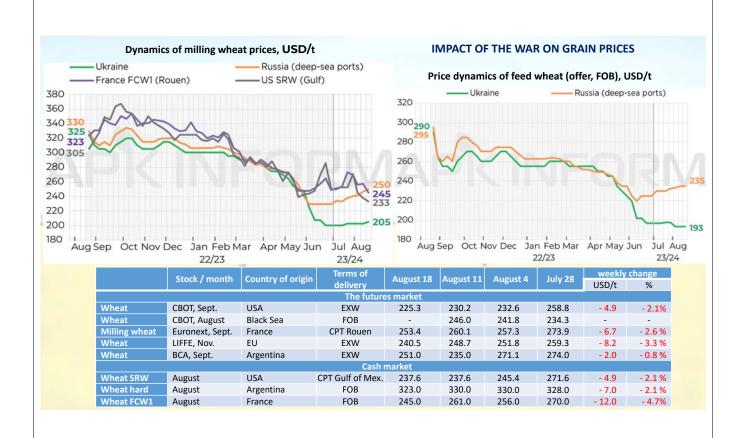


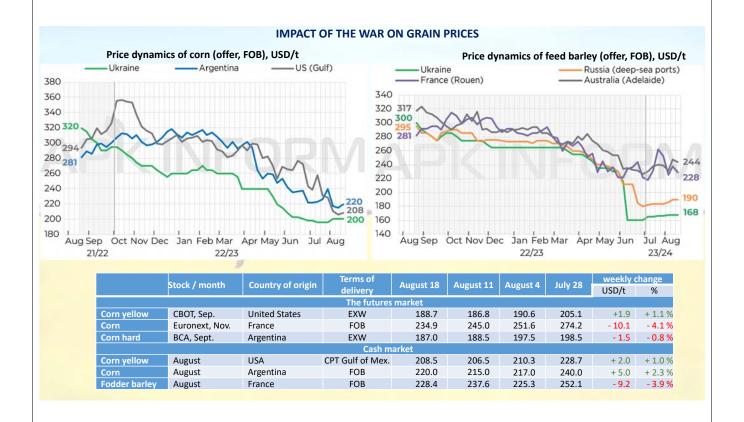


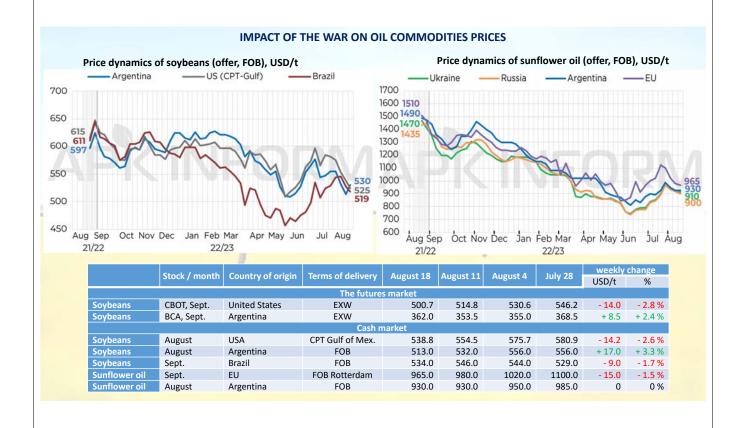












## SOWN AREA OF WINTER CROPS IN UKRAINE, thousand hectares

Crops	Sown areas in 2020	Sown areas in 2021	Planted in 2022 for the 2023 harvest	% of planted in 2022 to 2021
Winter crops total, including:	8,973.5	9,029.4	5,449.4	60.3 %
• winter wheat	6,714.4	6,538.4	3,758.8	57.5 %
<ul> <li>winter barley</li> </ul>	1,080.4	969.0	612.5	63.2 %
• winter rye	166.8	108.5	79.2	73.0 %
• winter rapeseeds	1,011.9	1,413.5	998.9	70.7 %

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

## SOWN AREA OF SPRING CROPS IN UKRAINE thousand hectares

Crops	2021	2022	2023	2023 to 2022	2023 to 2021
Total (selected crops)	15633.2	12327.0	12907.0	104.71%	82.56%
Spring cereals and legumes	7586.0	6196.9	5672.2	90.47%	73.91%
including:					
spring wheat	192.1	191.1	280.0	146.52%	145.76%
spring barley	1337.0	951.4	821.9	86.39%	61.47%
• oats	177.9	159.3	150.1	94.22%	84.37%
• peas	242.1	131.0	139.3	106.34%	57.54%
• corn	5474.8	4639.4	4043.5	87.16%	73.86%
• buckwheat	84.0	75.3	120.7	160.29%	143.69%
• millet	78.1	49.5	51.1	103.23%	65.43%
Spring rapeseed	33.2	34.1	n/a	n/a	n/a
Soybeans	1279.6	1212.6	1779.8	146.78%	139.09%
Sunflower	6509.7	4702.7	5307.5	112.86%	81.53%
Sugar beet	224.7	180.6	213.1	118.00%	94.84%

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

# HARVESTING OF GRAIN, LEGUMES AND OIL CROPS IN UKRAINE, as of August 25, 2023

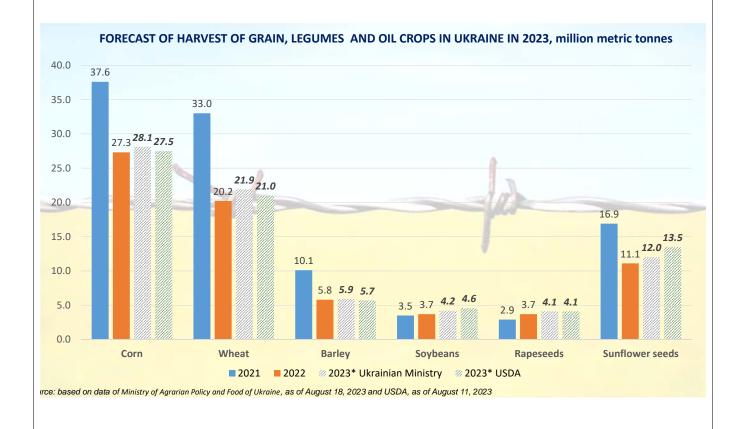
		Harvested, ousand hectares		2023*		Harvested 2023*,	Average yields, metric tonnes per		Change in yields per	
Crops	2021	2022		·	to forecast 2023*, %	thousand metric tonnes		2022	e 2023*	hectare 2022 to 2021, %
Grain and legumes total, including:	15,299.2	10,969.7	10,557.7	6,294.7	59.6%	28,107.5	5.50	4.88	4.47	-11.5 %
<ul><li>wheat</li></ul>	7,073.0	4,979.4	4,646.4	4,646.5	100.0%	21,938.5	4.64	4.05	4.72	-12.7 %
<ul><li>barley</li></ul>	2,467.7	1,666.5	1,492.9	1,483.9	99.4%	5,766.0	3.92	3.47	3.89	-11.5 %
• peas	240.4	118.1	150.0	154.0	102.7%	385.6	2.43	2.28	2.50	-6.2 %
<ul><li>buckwheat</li></ul>	84.2	115.9	141.5	2.0	1.4%	2.9	1.30	1.37	1.47	5.4 %
<ul><li>millet</li></ul>	77.9	44.7	83.4	8.2	9.8%	14.4	2.52	2.28	1.76	-9.5%
• corn	5,356.0	4,045.0	4,043.5	0			8.01	6.68		-16.6 %
Soybeans	1,279.5	1,537.0	1,779.8	0			2.68	2.43		-9.3 %
Rapeseed	1,013.9	1,134.8	1,425.6	1,389.1	97.4%	3,985.1	2.95	2.86	2.87	-2.0 %
Sunflower	6,482.4	4,825.5	5,307.5	0			2.52	2.18		-13.9 %

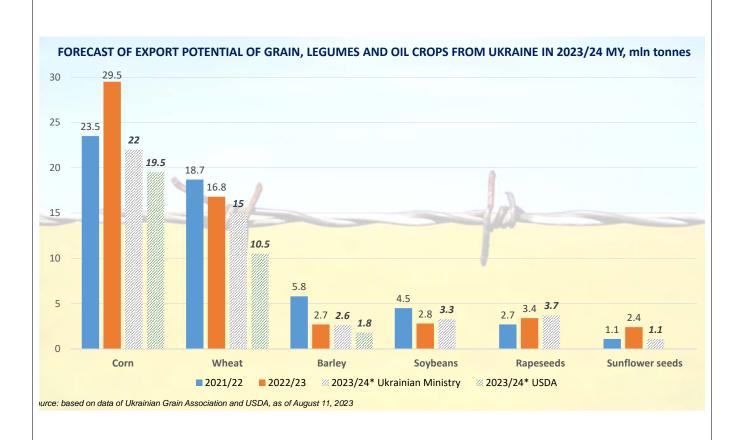
Note: includes data from territories under Ukrainian control as of the reporting date

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









BALANCE OF SUPPLY AND DEMAND OF GRAIN AND LEGUMES IN UKRAINE (\*forecast as of August 16, 2023)

	2021/22	2022/23	2023/24*	Deviat	on , %
	thousand	thousand	thousand	2022/23 to	2023/24* to
	tonnes	tonnes	tonnes	2021/22	2022/23
Initial stocks	4,817	12,445	3,603	in +2,6 times	-71.1%
Sown area, thousand hectares	15,995	12,171	10,977	-23.9%	-9.8%
Harvested area, thousand hectares	15,948	11,773	10,712	-26.2%	-9.0%
Yield, tonnes / hectare	5.39	4.58	4.96	-15.0%	+8.2%
Gross harvest	86,010	53,864	53,085	-37.4%	-1.4%
Import	125	153	131	+22.7%	-14.6%
Total supply	90,952	66,462	56,818	-26.9%	-14.5%
Domestic consumption:	26,276	16,427	17,171	-37.5%	+4.5%
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	1,450	1,569	-13.0%	+8.2%
losses	5,692	1,996	1,427	-64.9%	-28.5%
other (alcohol, malt, starch, etc.)	982	793	830	-19.2%	+4.6%
Export	52,243	46,432	32,338	11.1%	30.4%
Total distribution (demand)	<del>78, 507</del>	62,859	49,509	-19.9%	-21.2%
Ending stocks	12,445	3,603	7,310	-71.1%	in +2 times
Ratio of ending stocks to distribution	16%	6%	15%		

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

