

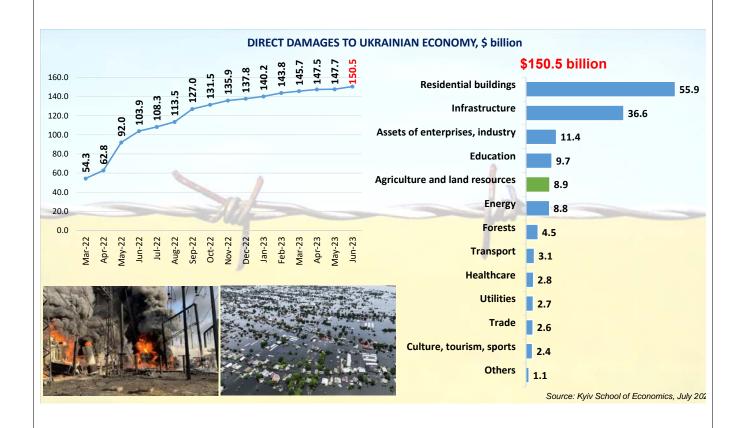
#### **OUTLINE:**

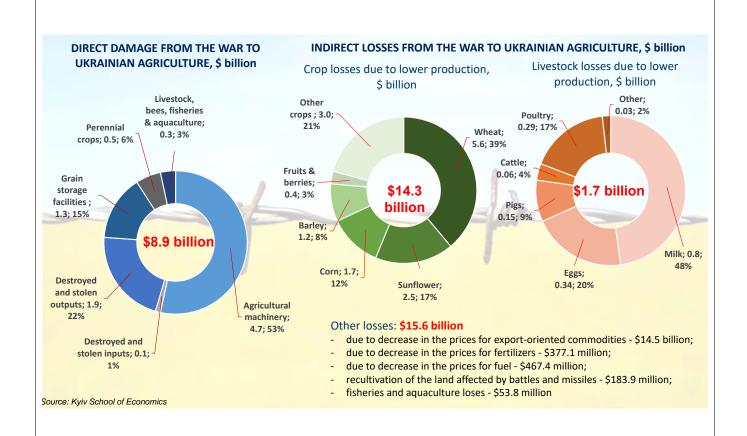
- Damages and losses from the war to Ukrainian economy
- Export of ag commodities from Ukraine and "Grain initiative"
- Influence of the war on a world grain market
- Forecast of grain production and export from Ukraine and Russia

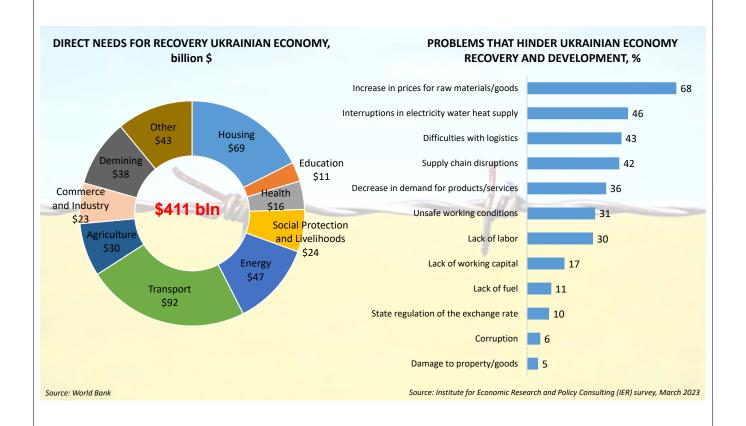


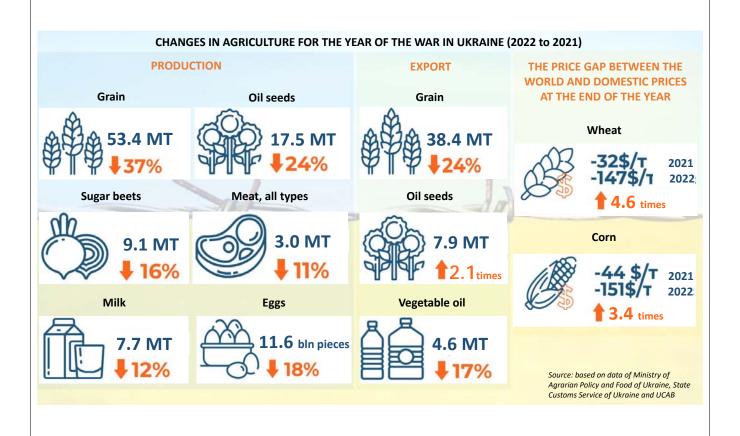
Russian attacks, Odesa region











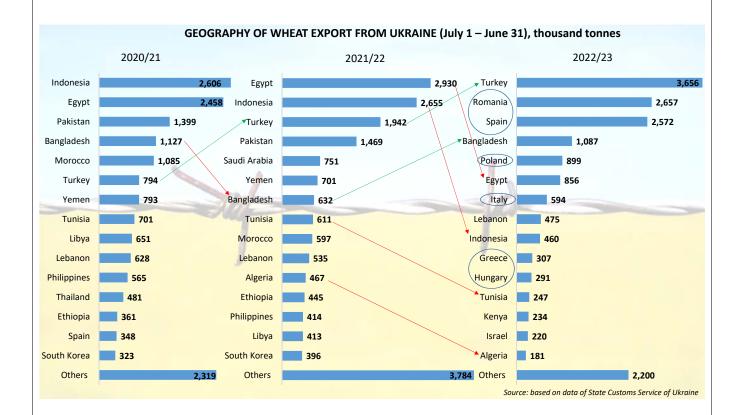
# EXPORT OF GRAIN AND LEGUMES FROM UKRAINE with products of their processing (MY July-June), thousand metric tonnes

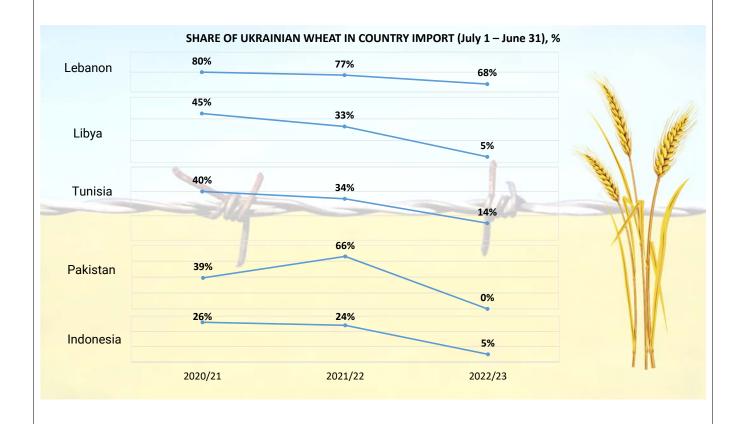
	2020/2021 MY	2021/2	2022 MY	2022/2023 MY	
	Total	Total	including June 2022	Total	including June 2023
Grain and legumes, total	43,939	48,508	1,403	49,079	3,783
wheat	16,413	18,74 1	143	16,900	1,385
<ul> <li>barley</li> </ul>	4,210	5,752	36	2,713	66
• rye	15.8	161.9	9	18.0	0
• corn	22,596	23,535	1,212	29,299	2,325
Wheat flour	123.7	69.4	1.9	148.1	11.4
Other flour	1.1	1.5	0.1	6.2	0.6
Total flour	124.8	70.9	2.0	154.3	12.0
Total export (grain + flour)	44,105	48,579	1,405	49,233	3,795

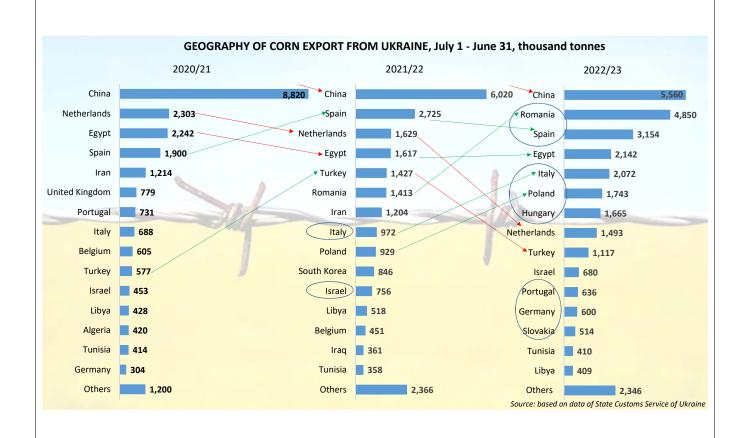


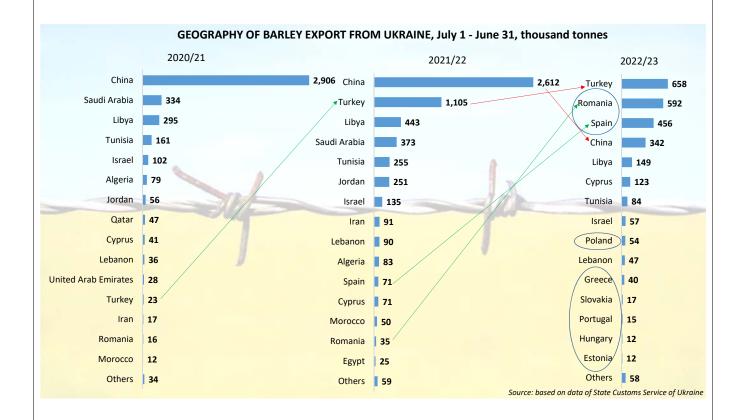


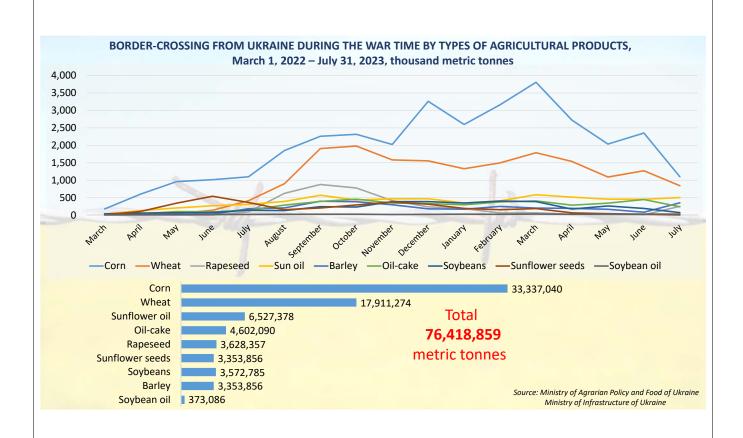
Source: based on data of State Customs Service of Ukraine

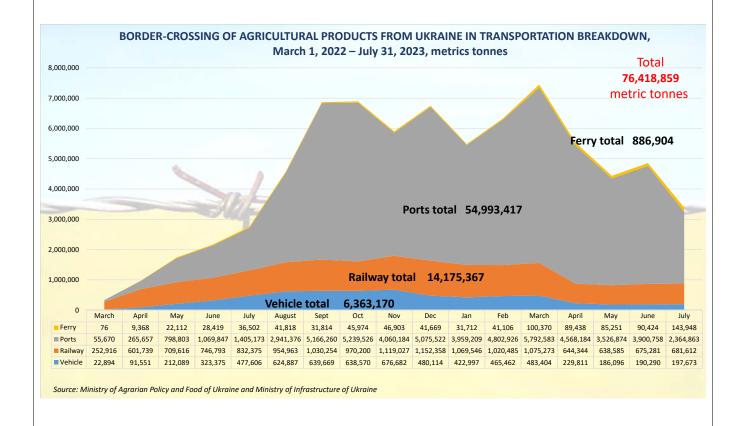


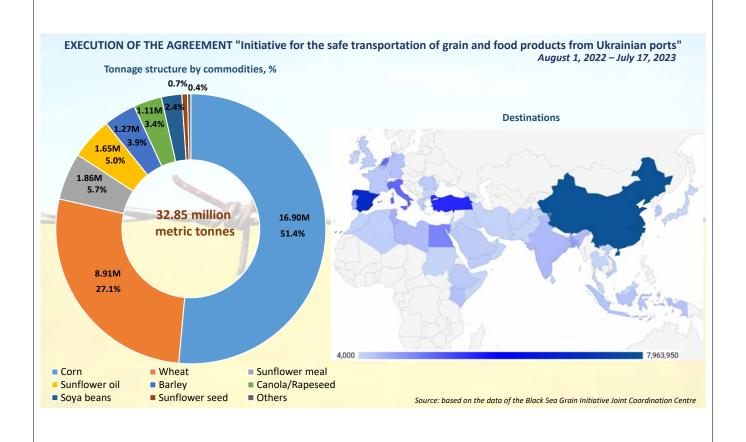


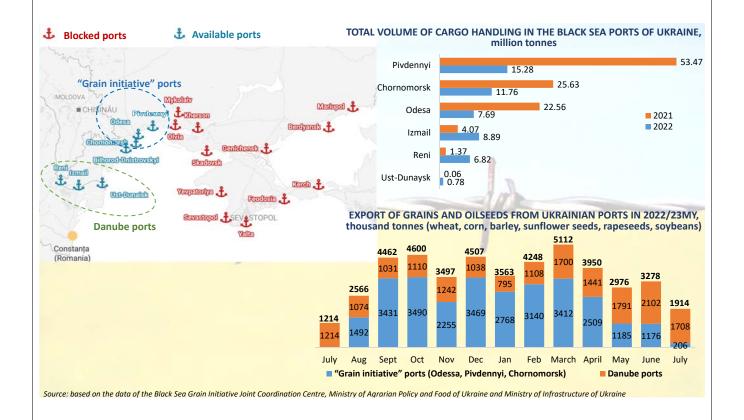


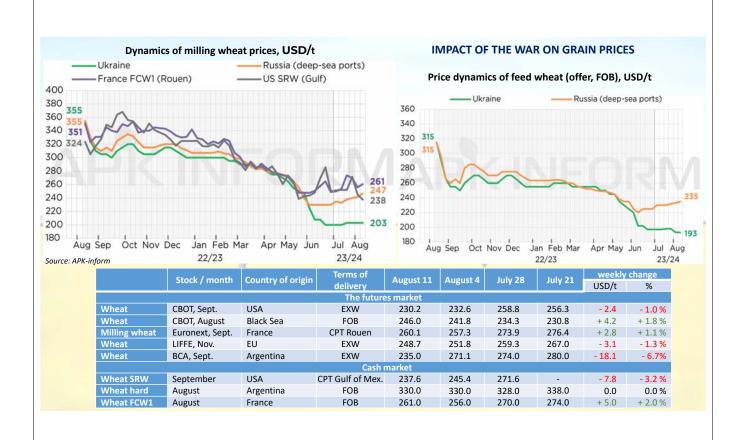


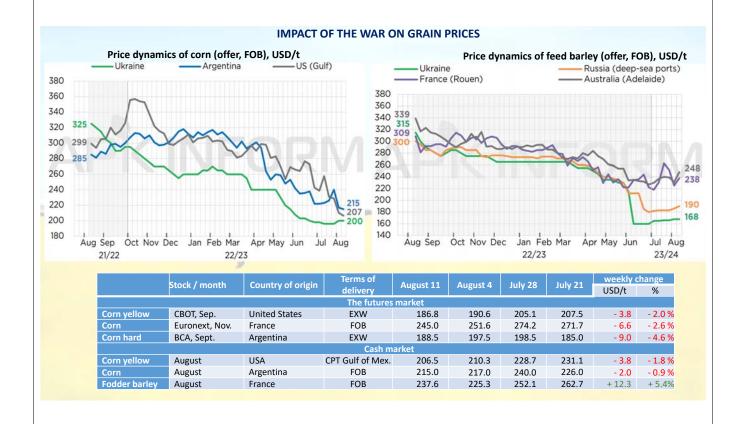


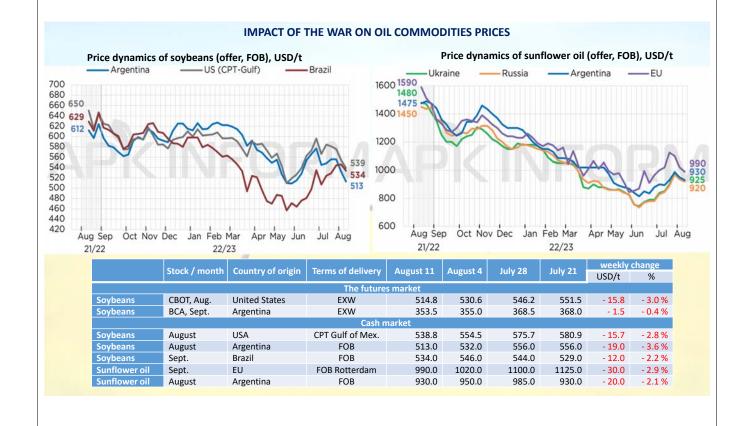












#### SOWN AREA OF WINTER CROPS IN UKRAINE, thousand hectares

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 11, 2023

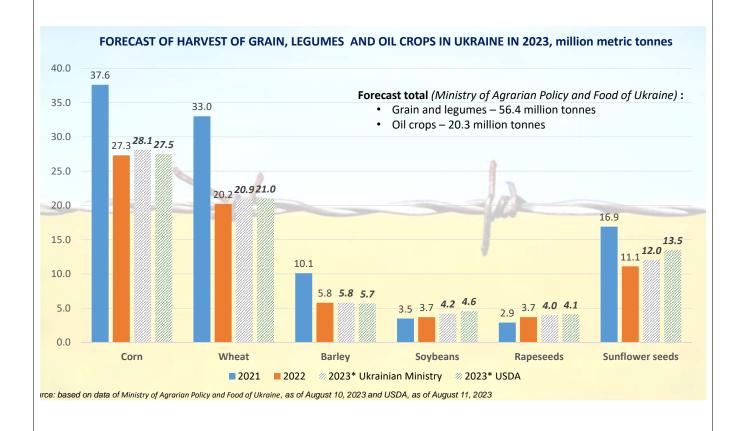
	Harve thousand		2023*		Harvested	Harvested 2023*,	Average yields, metric tonnes per		Change in yields per	
Crops	2021	2022		·	to forecast 2023*, %	thousand metric tonnes		2022	e 2023*	hectare 2022 to 2021, %
Grain and legumes total, including:	15,299.2	10,969.7	10,557.7	5,240.2	49.6%	22,961.0	5.50	4.88	4. 38	-11.5 %
<ul><li>wheat</li></ul>	7,073.0	4,979.4	4,646.4	3,829.9	82.4%	17,698.2	4.64	4.05	4.62	-12.7 %
<ul><li>barley</li></ul>	2,467.7	1,666.5	1,492.9	1,263.3	84.6%	4,901.2	3.92	3.47	3.88	-11.5 %
• peas	240.4	118.1	150.0	146.6	97.7%	361.2	2.43	2.28	2.46	-6.2 %
<ul><li>buckwheat</li></ul>	84.2	115.9	141.5	0.1	0.1%	0.1	1.30	1.37	1.13	5.4 %
<ul><li>millet</li></ul>	77.9	44.7	83.4	0.3	0.4%	0.2	2.52	2.28	0.69	-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	1,315.2	92.3%	3,702.1	2.95	2.86	2.81	-2.0 %
Sunflower	6,482.4	4,825.5	5,307.5	0			2.52	2.18		-13.9 %

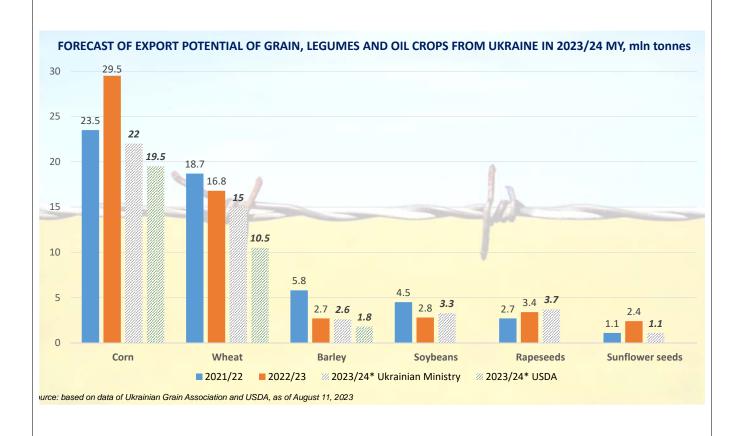
Note: includes data from territories under Ukrainian control as of the reporting date

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*	Deviati	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

