

OUTLINE:

- Current stage of Ukrainian agriculture after the year of the war
- Wheat market
- Flour market
- · Corn market



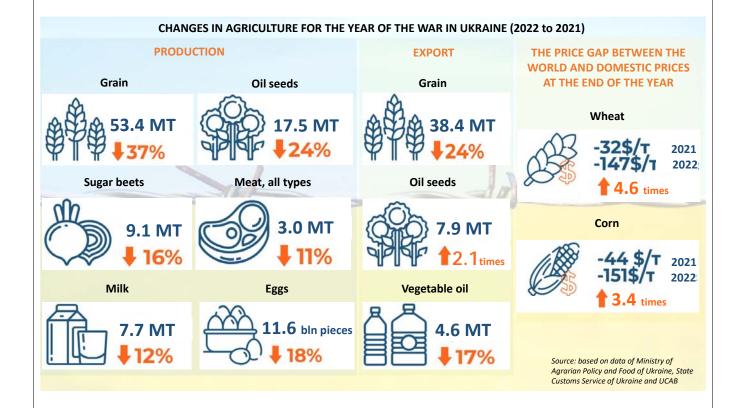


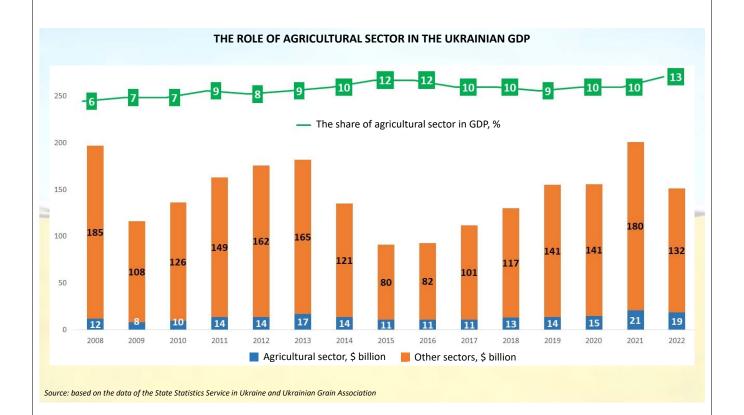
Since the beginning of the war, **8,173** civilians killed (among them **492** are children) and **13,620** civilians been wounded (among them **968** are children). More than **16,000** children are illegally deported to Russia. (*United Nations, as of March 5, 2023*)



As of January 2023, the total amount of documented damage to Ukraine's infrastructure is estimated at \$140.2 billion (at replacement cost).

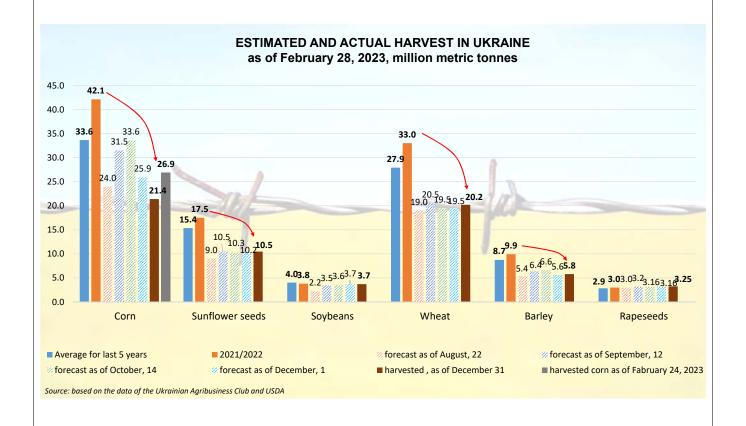
The direct losses of agricultural producers are estimated at \$7,832.4 million. The biggest losses are in agricultural machinery, finished products, grain storages. The indirect losses in Ukrainian agriculture reached \$30,237.9 million. The biggest losses are in the crop production and price reduction.

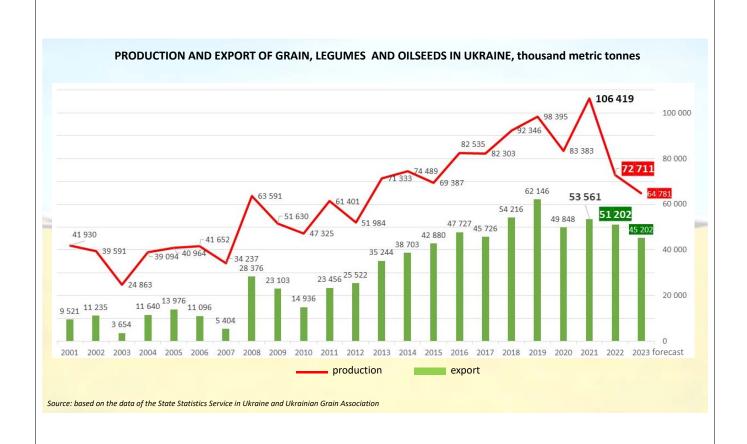




PROGRESS OF FIELD WORK IN UKRAINE Harvesting of grain, legumes and oil crops as of February 28, 2023

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	Crops	2021, thousand	2022,	Harvested 2022, thousand hectares	% of harvested area to forecast 2022	% of harvested area 2022 to harvested area 2021	Harvested 2022, thousand metric tonnes	•		Change in yields per hectare 2022 to 2021, %	
17.00	Grain and legumes total, including:	15,299.2	11,165.3	10,944.8	98.0%	71.5%	53,386.6	4.88	5.50	-11.5 %	
	wheat	7,073.0	4,983.3	4,979.4	99.9 %	70.4 %	20,176.3	4.05	4.64	-12.7 %	
	barley	2,467.7	1,667.6	1,666.5	99.9 %	67.5 %	5,778.0	3.47	3.92	-11.5 %	
	• peas	240.4	118.1	118.1	100.0 %	49.1 %	269.1	2.28	2.43	-6.2 %	
	buckwheat	84.2	118.0	115.9	98.2 %	137.6 %	158.5	1.37	1.30	5.4 %	
	millet	77.9	45.2	44.7	98.9 %	57.4 %	101.8	2.28	2.52	-9.5%	
	• corn	5,356.0	4,233.1	4,020.1	95.0 %	75.1 %	26,902.9	6.69	8.01	-16.5 %	1
	Soybeans	1,279.5	1,542.6	1,537.0	99.6 %	120.1 %	3,740.4	2.43	2.68	-9.3 %	
	Rapeseed	1,013.9	1,135.7	1,134.8	99.9 %	111.9 %	3,245.3	2.86	2.95	-2.0 %	10 m
	Sunflower	6,482.4	4,865.7	4,825.5	99.2 %	74.4 %	10,534.9	2.18	2.52	-13.9 %	
	Source: based or	the data of t	he State Stati	stic Service of	Ukraine						





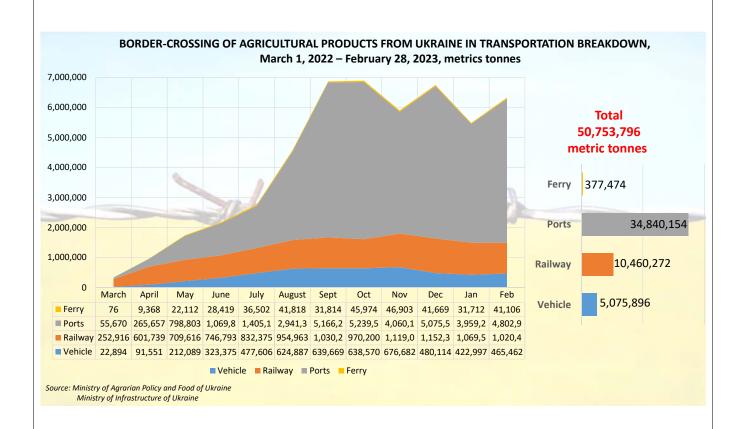
EXPORT OF CEREALS and LEGUMES with products of their processing as of February 28, 2023, thousand tonnes

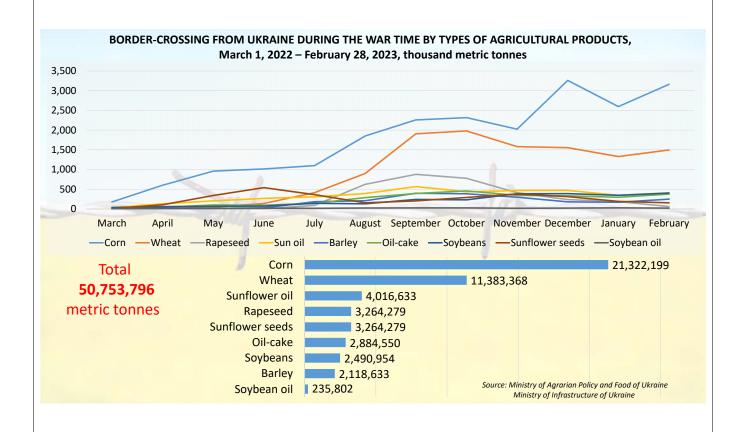
	2020/20 21 MY	20	21/2022	MY	2022/2023 MY				
	Total	Total	As for	including	Total as	including			
	Total		February		for Feb.	for			
			2022	February	2023	February			
				2022		2023			
Cereals and legumes, total	43939	48508	43515	5045	32286	5207			
 wheat 	16413	18741	18092	1041	11338	1609			
 barley 	4210	5752	5636	154	2050	232			
• rye	15.8	161.9	161.9	5.4	16.1	3.0			
• corn	22596	23535	19331	3813	18604	3336			
Wheat flour	123.7	69.4	66.6	4.1	94.9	16.3			
Other flour	1.1	1.5	1.4	0.3	4.0	0.2			
Total flour	124.8	70.9	68.0	4.4	98.9	16.5			
Total export (grain + flour)	44105	48579	43583	5050	32385	5224			

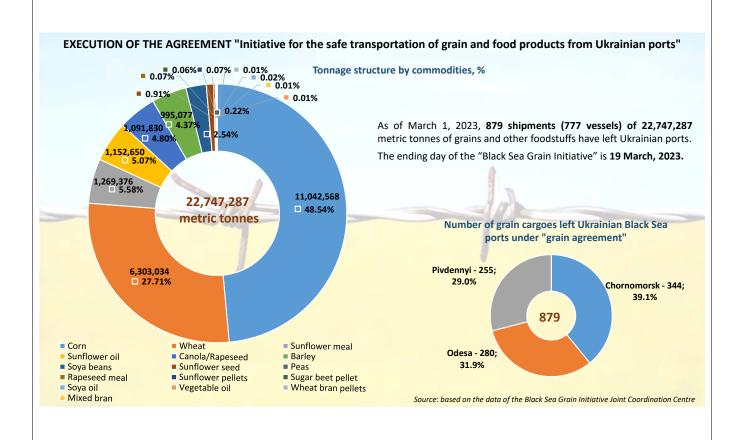


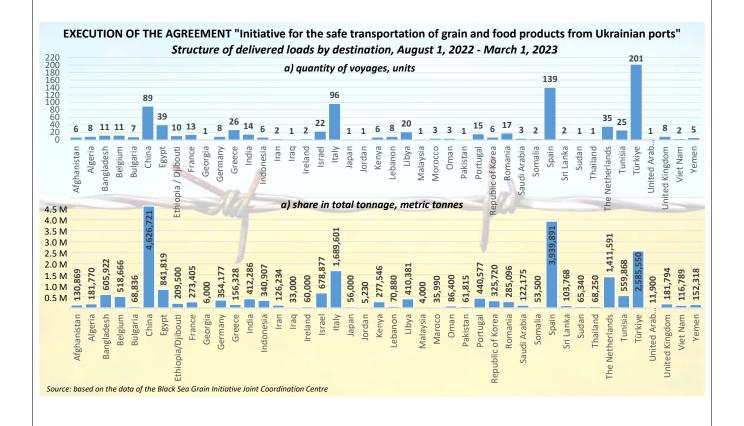


Source: based on data of State Customs Service of Ukraine



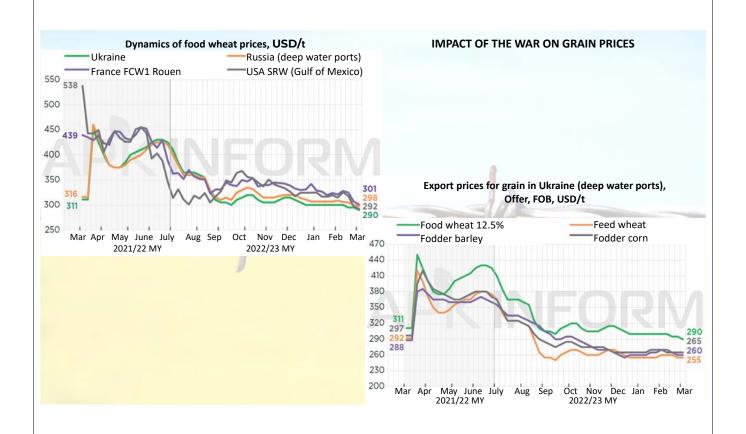






	2020/21	2021/22	2022/23	Deviation	tion,%	
	thousand tonnes	thousand tonnes	thousand tonnes	2021/22 to 2020/21	2022/23 to 2021/22	
Initial stocks	4,216	4,811	12,454	+14.1%	in +2,6 times	
Sown area, thousand hectares	15,392	15,995	13,997	+3.9%	-12.5%	
Harvested area, thousand hectares	15,283	15,948	11,435	+4.4%	-28.3%	
Yield, tonnes / hectare	4.25	5.39	4.58	+26.8%	-15.0%	
Gross harvest	64,933	86,010	52,419	+32.5%	-39.1%	
Import	208	123	127	-40.8%	+3.0%	
Total supply	69,358	90,945	65,000	+31.1%	28.5%	
Domestic consumption:	19,184	26,282	19,069	+37.0%	-27.4%	
food	4,775	4,592	4,074	-6.5%	-11.3%	
fodder	9,720	13,325	9,655	+37.1%	-27.5%	
seeds	2,224	1,928	2,109	-13.3%	+9.4%	
losses	1,515	5,692	2,216	in +3,8 times	-61.1%	
other (alcohol, malt, starch, etc.)	946	737	1,005	-8.5%	+36.4%	
Export	45,363	52,209	39,205	+15.1%	-24.9%	
Total distribution (demand)	64,547	78,491	58,274	+21.6%	-25.8%	
Ending stocks	4,811	12,454	6,726	in +2,6 time	-46.0%	
Ratio of ending stocks to distribution	7%	16%	12%			

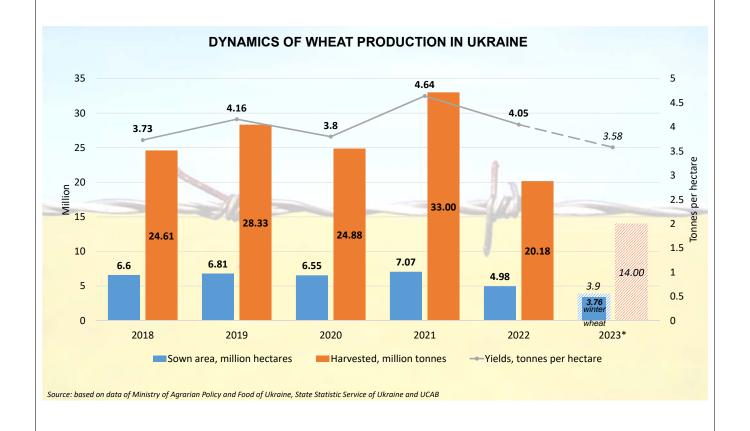
Source: based on "APK-Inform", the State Statistic Service of Ukraine and the State Customs Service of Ukraine

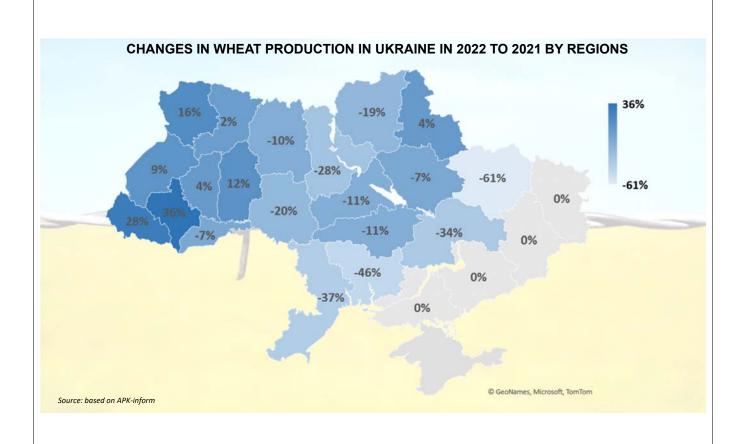


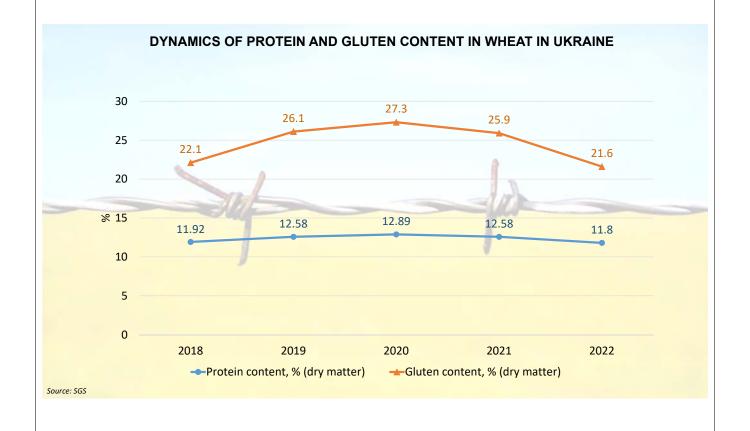
WORLD GRAIN PRICES, USD/t

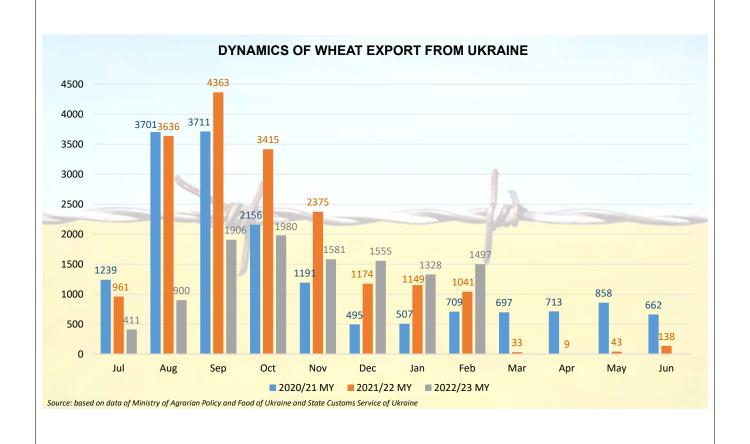
Commodity	Stock/ month	Country of	Terms of	March 3	Feb 24	Feb 17	Feb 10	week. change,			
Commodity	Stock/ month	origin	delivery	IVIAICII 5	reu 24	ren 17	LED IO	USD/t	%		
The futures market											
Wheat	CBOT, March	USA	EXW	255.6	260.2	281.2	288.8	-4.6	-1.8%		
Wheat	CBOT, March	Black Sea	FOB	296.8	300.3	301.0	302.3	-3.5	-1.2%		
Milling wheat	Euronext, March	France	CPT Rouen	289.7	296.7	315.4	319.2	-7.0	-2.4%		
Wheat	LIFFE, May	EU	EXW	272.4	273.3	283.8	288.2	-0.9	-0.3%		
Wheat	BCA, March	Argentina	EXW	297.0	297.5	302.0	305.6	-0.5	-2.9%		
Corn yellow	CBOT, March	United States	EXW	254.0	255.9	266.8	267.9	-1.9	-0.7%		
Corn	Euronext, March	France	FOB	307.8	306.0	315.4	313.5	+1.8	+0.6%		
Corn hard	BCA, March	Argentina	EXW	252.2	258.0	261.0	261.0	-5.8	-2.2%		
			arket								
Wheat SRW	March	USA	CPT Mex.	292.4	297.0	318.0	325.5	-4.6	-1.5%		
Wheat hard	March	Argentina	FOB	357.0	357.0	362.0	365.0	0	0		
WheatFCW1	March	France	FOB	301.0	307.0	325.0	328.0	-6.0	-2.0%		
Corn yellow	March	USA	CPT Mex.	289.5	291.3	302.3	303.3	-1.8	-0.6%		
Corn	March	Argentina	FOB	301.0	308.0	314.0	311.0	-7.0	-2.3%		
Fodder barley	March	France	FOB	278.3	280.0	293.5	289.1	-1.7	-0.6%		

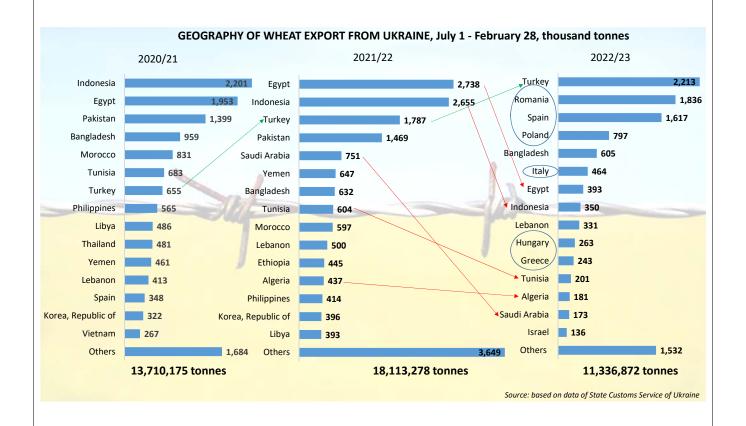
Source: based on APK-inform

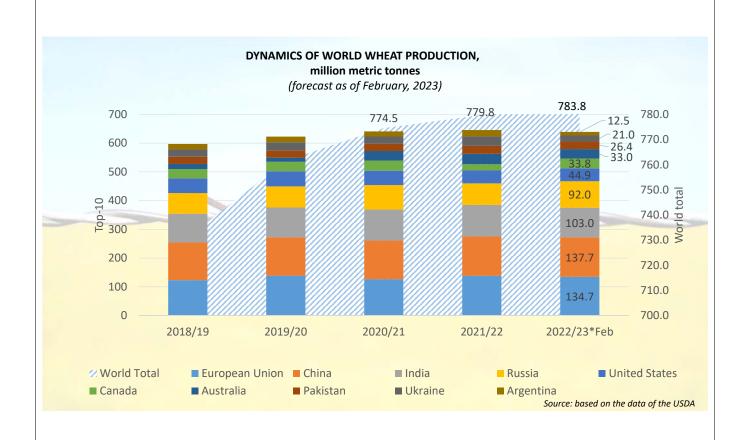


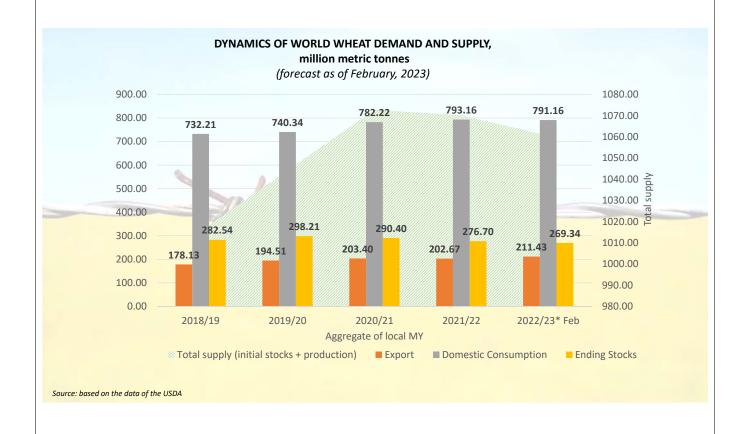


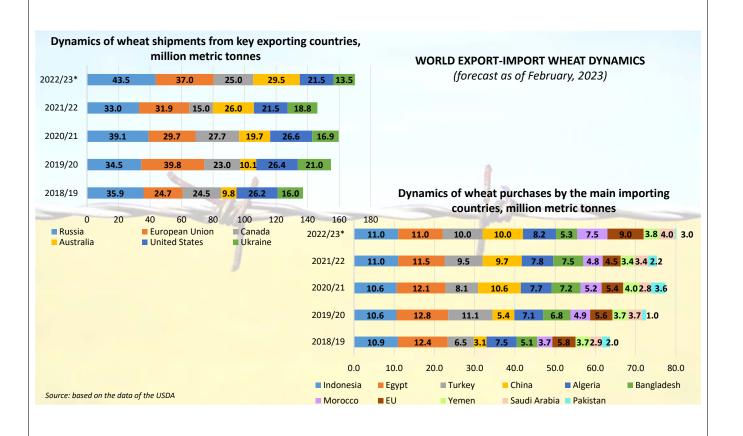


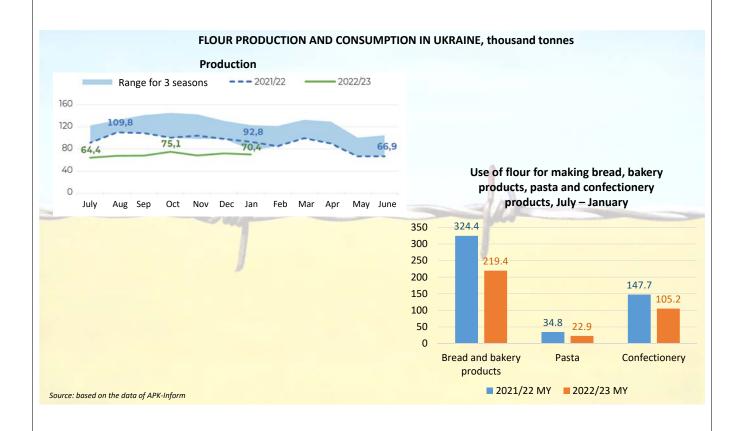


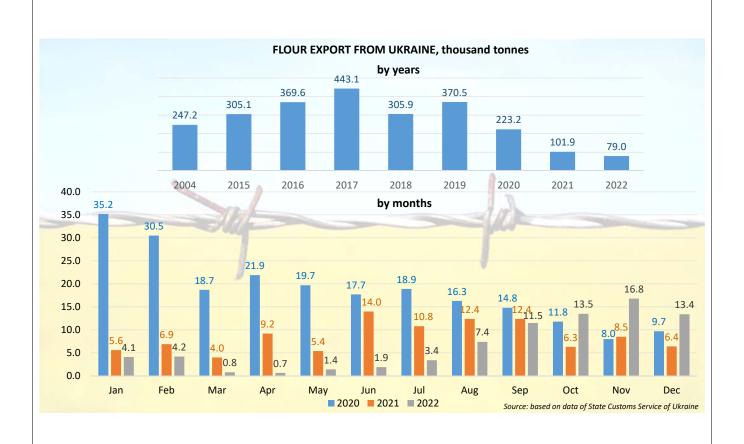


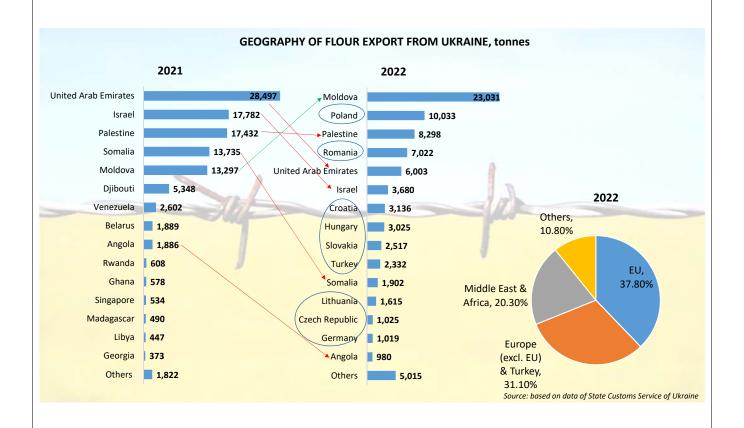


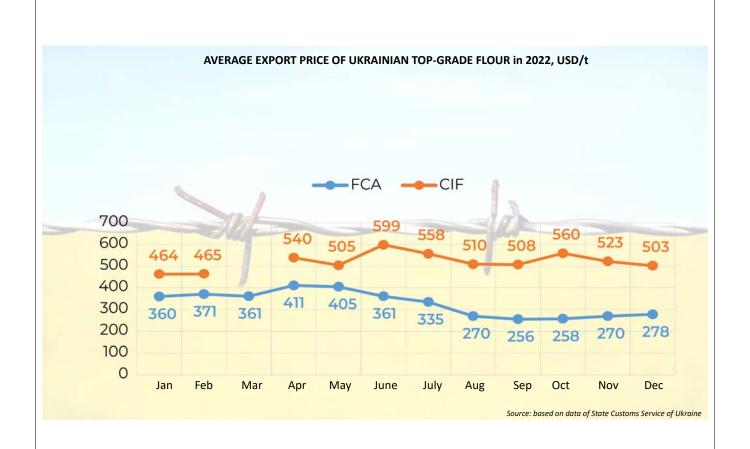






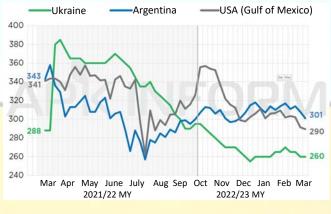






contri trona production) trade and stocks, thousand torne								
		2020/21	2021/22	2022/23*	2022/23* to 2021/22			
Produ	ction	1,129,503	1,216,002	1,151,364	-5.3%			
	USA	358,447	382,893	348,751	-8.9%			
LO.	China	260,670	272,552	277,200	+1.7%			
TOP-5	Brazil	87,000	116,000	125,000	+7.8%			
	EU	67,440	70,979	54,200	-23.6%			
	Argentina	52,000	49,500	47,000	-5.1%			
	Ukraine	30,297	42,126	27,000	-35.9%			
	Russia	13,872	15,225	14,000	-8.0%			
Impo	rt	184,070	193,930	182,365	-6.0%			
	EU	14,493	19,783	23,500	+18.8%			
10	China	29,512	21,884	18,000	-17.7%			
TOP-5	Mexico	16,498	17,572	17,200	-2.1%			
잍	Japan	15,479	15,014	15,000	-0.1%			
	Korea, South	11,708	11,519	11,000	-4.5%			
	Russia	38	50	50	=			
	Ukraine	21	15	1	-			
Expor	t	184,070	193,930	182,365	-6.0%			
	Brazil	27,492	32,439	51,000	+57.2%			
ιĊ	USA	68,293	62,978	51,000	-19.0%			
TOP-5	Argentina	36,544	38,853	33,000	-15.1%			
-	Ukraine	23,864	26,980	22,500	-16.6%			
	Paraguay	2,563	3,187	3,600	-13.0%			
	Russia	3,989	4,000	3,300	-17.5%			
Ending	g stocks	292,835	306,283	295,275	-3.6%			
	China	205,704	209,137	207,317	-0.9%			
ь.	USA	31,358	34,975	32,173	-8.0%			
TOP-5	Brazil	4,153	4,253	7,553	+77.6%			
2	EU	7,880	9,942	7,342	-26.2%			
	Ukraine	832	5,093	3,393	-33.4%			
	Russia	751	926	776	-16.2%			

Dynamics of corn prices, FOB, USD/t



Source: USDA (as of February 2023)

