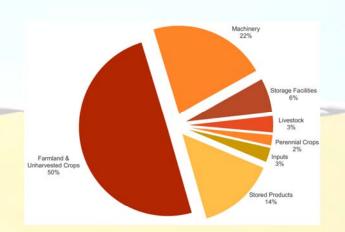


LOSSES FROM THE WAR IN UKRAINIAN AGRICULTURE as of 8th of June, 2022 (Indirect assessment of damage)

DAMAGES VALUE BY CATEGORY

Category	Total Value (million \$)		
Farmland & Unharvested Winter Crops	2,135		
Machinery	926.1		
Storage Facilities	272.4		
Livestock	136.4		
Perennial Crops	89.1		
Inputs (e.g., fertilizers, fuel)	119.6		
Stored Products	613.0		
Total	4292.3		

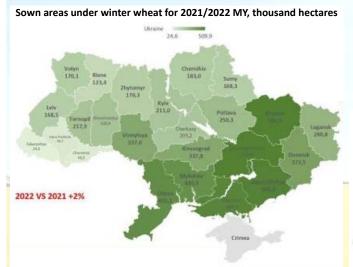
DAMAGES STRUCTURE BY CATEGORY



The total damage to Ukraine's agro-industrial complex as a result of Russia's military invasion has already reached \$ 4.3 billion.

Source: Kyiv School of Economics

	Infrastructure facilities	Number of items	Total damages, \$ mln	from downer of absolution infrastructure cines	TOTAL	
8888	Residential buildings, mln sq. meters	44.8	39 379	the beginning of hostilities (in case of complete destruction)	03.9	
47	Roads, thousand km	23.9	30 034	AS OF 08.06.2022 billion		
(i)	Industrial enterprises, factories, units	256	11 499	The analysis of the project Total direct, indirect and on "Russia will pay" – damaged.in.ua \$564	1e-time losses 1-600 billion*	
	Civilian airports, units	11	6 817		- 1	
	Railway stations and rolling stock	6.3 thousand railways / 41 bride	ge 2 672		THE REAL PROPERTY.	
킐	Healthcare institutions**	656	1 147			
₩	Bridges and bridge crossings	304	1 692			
	Cars, thousand units	104.9	968			
P	Institutions of secondary and higher educati	on 1 177	1 621			
0	Land fund, thousand hectares	4.7	1 127		The second second	
	Administration buildings**	111	607			
	Kindergartens	668	576	The same of the sa		
A	Religious buildings	141	81	William to the Colonial Colonia Colonial Colonia		
j.	Ports and port infrastructure	-4	471	L H H H		
st.	Military airfields	12	468			
F	Cultural facilities	203	270	0. 15		
	Shopping malls**	20	345		MAST MAN	
1	An-225 Mriya aircraft	1	300		THAT IS A SHAPE	
	Storage infrastructure	198	323	Name of the second	TUUU	
回	Oil depots	28	227			
Am.	Retail	2 910	1 690	W. W. Company of the Company		
000	Other	-	1 641	A STATE OF THE PARTY OF THE PAR	THE REAL PROPERTY.	



Ukraine has lost a quarter of its arable land (81.5 mln acres) since the Russian invasion, notably in the south and east.

In areas of hostilities up to 10-15% of fields are contaminated with remnants of shells and mines, there are fields blocked by mines.

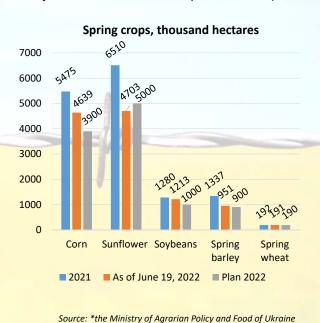
The sowing campaign of spring crops in Ukraine is over





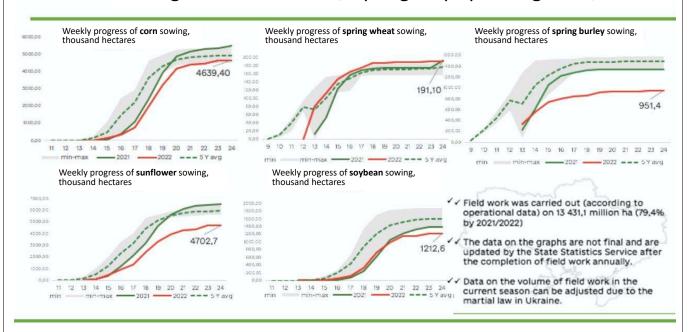
Planned sown area for spring crops in 2022 - **14.163 million hectares** (or **83.72%** of sown area in 2021) Planted in 2022 - **13.431 million hectares** (**79.4%** of the last year level and **94.8%** of planned area)

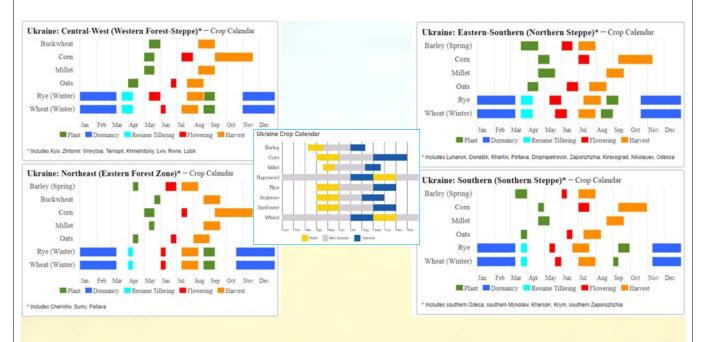
	Sown, thou		
Crops		as of June 19,	2022 to
	2021	2022	2021
Total	16916.3	13431.2	79.4%
Spring cereals and			
legumes	7457.1	6106.3	81.8%
including:			
 spring wheat 	192.1	191.1	99.4%
 spring barley 	1337.0	951.4	71.2%
 spring rapeseed 	33.2	34.1	102.7%
• oats	177.9	159.3	89.5%
peas	242.1	131.0	54.1%
• corn	5474.8	4639.4	84.7%
Buckwheat	84.0	75.3	89.6%
Millet	78.1	49.5	63.3%
Sugar beet	224.7	180.6	80.4%
Sunflower	6509.7	4702.7	72.2%
Soybeans	1279.6	1212.6	94.8%
Potato	1283.1	1104.2	86.1%





Progress of field work / Spring crops planting 2022/2023



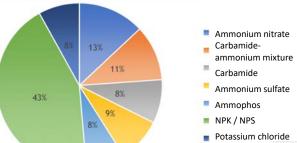


As of June 17, 2022, agrarians of Odesa region were the first in Ukraine to harvest summer fields. Harvesting of winter barley has started in Izmail district. The first mowing on the area of 7 thousand hectares yielded 14.7 thousand tons of grain of the new harvest.

Provision of agricultural enterprises with plant protection products in 2022 as of June 16, 2022

Region	The need for p	plant protection products	Received in farms of	plant protection products	Includi	ng herbicides
Kegion	Total	Including herbicides	Total	in % to the need	Total	in % to the need
Vinnytsya	2496.5	1576.6	2496.5	100	1576.6	100
Volyn	890	413	867.5	97	407.5	99
Dnipropetrovsk	1 819.2	1246.8	1 787.8	98	1 211.4	97
Donetsk	808	515	229	28	119	23
Zhytomyr	1227	850	1221	99	850	100
Zakarpattya	276	120	251	91	120	100
Zaporizhzhya	1251	680	296	24	158	23
Ivano-Frankivsk	498	243	397	80	212	87
Kyiv	1553	1100	796	52	554	51
Kirovohrad	1531	1090	1468.4	96	1090.4	100
Luhansk	535	381	323	60	223	59
Lviv	853	455	863	101	573	126
Mikolayiv	1010	483	625	62	342	71
Odesa	1481	597	1559	100	556	93
Poltava	2674	2194	2638	99	2131	97
Rivne	731	501	235	32	145	29
Sumy	2080	1660	1768	85	1412	85
Ternopil	1858	1096	1460	79	619	56
Kharkiv	1636	1250	339	21	292	23
Kherson	1043	342	384	37	117	34
Khmelnytskiy	2249	1393	2291	102	1430	103
Cherkasy	1770	1360	1563	88	1201	88
Chernivtsi	479	140	384	80	117	84
Chernihiv	1225	1027	1187	97	987	96
Total	31 973	20 713	25 429	Source: *the Ministry of A	grafian Policy	and Food of Ukrain

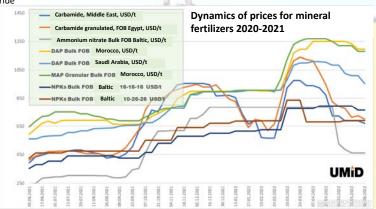
The structure of imports of mineral fertilizers to Ukraine in 2021

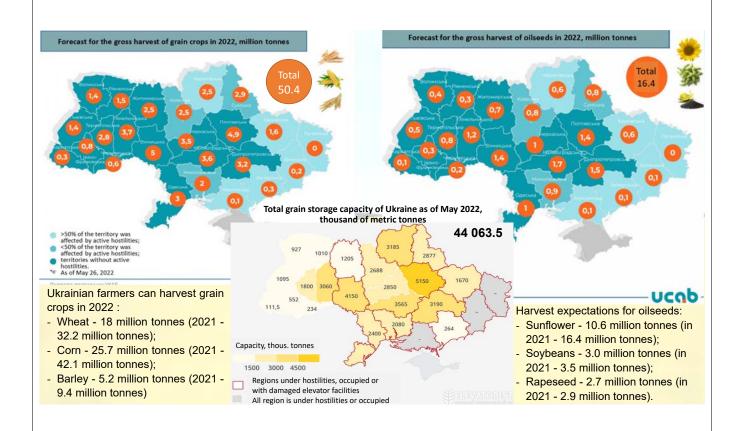


Own production covers only a third of the Ukrainian agricultural sector's need for fertilizers.

Plant protection products were imported to Ukraine from:

- EU countries 49%;
- China 23%;
- Belarus 3%;
- Great Britain 3%;
- Zambia 3%;
- Israel 2%;
- India 2%;
- USA 2%;
- Kazakhstan 1%;
- other countries 12%.

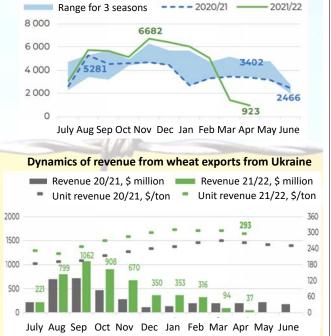




Export of cereals, legumes (with products of their processing) and flour as of June 20, 2022, thousand tonnes (data of State Customs Service of Ukraine)

	2021/2022 MY		2020/2021 MY		
	Total	including: for June	Total	including: for June	
Cereals and legumes, total	47876	777	43939	1747	
• wheat	18661	63	16413	436	
 barley 	5737	21	4210	64	
• rye	161.5	0	15.8	11.5	
maize	23006	689	22596	1223	
Wheat flour	68.3	0.9	123.7	12.0	
Other flour	1.4	0	1.1	0	
Total flour	69.7	69.7 0.9		12,0	
Total export (grain + flour)	47969	778	44105	1763	

Dynamics of grain exports from Ukraine, thousand tonnes



Balance of supply and demand of grain and legumes in Ukraine (*forecast as of June 10, 2022)

	2020/21	2021/22*	2022/23*	Deviat	ion , %
	thousand tonnes	thousand tonnes	thousand tonnes	2021/22 - 2020/21	2022/23 - 2021/22
Initial stocks	4 866	5 861	17 054	+20.4%	in +2,9 times
Sown area, thousand hectares	15 392	15 995	14 006	+3.9%	-12,4%
Harvested area, thousand hectares	15 283	15 948	11 431	+4.4%	-28,3%
Yield, tonnes / hectare	4.25	5.39	4.58	+26.8%	-15,0%
Gross harvest	64 933	86 010	52 397	+32.5%	-39,1%
Import	208	128	173	-38.8%	+35,7%
Total supply	70 008	91 999	69 624	+31.4%	-24,3%
Domestic consumption:	18 784	26 702	22 068	+42.2%	-17,4%
food	3 490	3 591	3 496	+2.9%	-2,6%
fodder	10 520	14 470	12 730	+37.5%	-12,0%
seeds	2 224	1 928	2 084	-13.3%	+8,1%
losses	1 525	5 842	3 016	in +3,8 times	-48,4%
other (alcohol, malt, starch, etc.)	1 021	863	733	-15,5%	-15,1%
Export	45 363	48 243	40 609	+6,3%	-15,8%
Total distribution (demand)	64 147	74 945	62 677	+16,8%	-16,4%
Ending stocks	5 861	17 054	6 947	in +2,9 times	-59,3%
Ratio of ending stocks to distribution	9%	23%	11%		

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

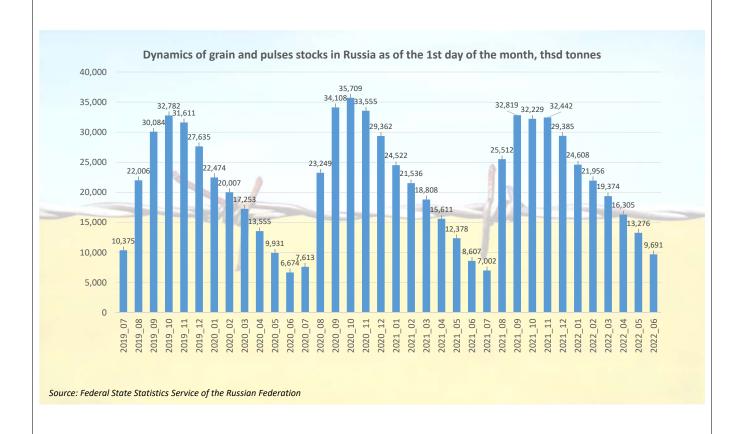
WHEAT: world production, trade and stocks, thousand tonnes

					2022/23 to
		2020/21	2021/22	2022/23*	2021/22
Produ		775 718	779 287	774 828	-0,6%
	EU	126 694	138 418	136 500	-1,4%
LO	China	134 250	136 946	135 000	-1,4%
TOP-5	India	107 860	109 586	108 500	-1,0%
=	Russia	85 352	75 158	80 000	+6,4%
	USA	49 751	44 790	47 050	+5,0%
	Ukraine	25 420	33 007	21 500	-34,9%
Impo	rt	195 367	196 494	201 261	+2,4%
	Indonesia	10 649	11 000	11 200	+1,8%
ь.	Egypt	12 149	12 000	11 000	-8,3%
TOP-5	Turkey	8 081	9 000	10 000	+11,1%
₽	China	10 618	9 700	9 500	-2,1%
	Algeria	7 680	7 800	7 900	+1,3%
	Russia	400	300	300	=
	Ukraine	132	100	100	ш
Expor	t	203 340	199 892	204 891	+2,5%
	Russia	39 100	33 000	39 000	+18,2%
rὑ	EU	29 740	31 000	36 000	+16,1%
TOP-5	Australia	23 846	27 500	24 000	-12,7%
-	Canada	26 429	15 500	24 000	+54,8%
	USA	26 985	21 909	21 092	-3,7%
	Ukraine	16 851	19 000	10 000	-47,4%
Endin	g stocks	291 219	279 717	267 024	-4,5%
	China	144 120	141 916	141 516	-0,3%
10	USA	23 001	17 824	16 838	-5,5%
TOP-5	India	27 800	21 350	16 375	-23,3%
5	Russia	11 380	12 088	11 138	-7,9%
	EU	10 693	13 611	10 611	-22,0%
	Jkraine	1 505	5 612	6 012	+7,1%

SUNFLOWER OIL: world production, trade and stocks, thousand tonnes

					2022/23 to
		2020/21	2021/22	2022/23*	2021/22
Produ	ction	19 044	19 913	19 136	-3,9%
	Russia	5 121	5 823	5 576	-4,2%
ıo	Ukraine	5 913	5 160	4 193	-18,7%
TOP-5	EU	3 460	4 034	4 183	+3,7%
잍	Argentina	1 350	1 360	1 440	+5,9%
	Turkey	1 044	1 010	1 119	+10,8%
Impo	rt	9 651	8 928	9 105	+2,0%
	India	1 958	1 900	1 800 -	-5,3%
	EU	1 601	1 550	1 600	+3,2%
TOP-5	China	1 640	1 500	1 500	=
으	Turkey	778	800	750	-6,3%
	Iran	830	575	700	+21,7%
	Russia	1	1	1	II
Expor	t	11 294	10 209	10 471	+2,6%
	Ukraine	5 273	4 350	3 800	-12,6%
rὑ	Russia	3 246	3 200	3 600	+12,5%
TOP-5	Argentina	828	750	850	+13,3%
-	EU	683	675	800	+18,5%
	Turkey	639	625	650	+4,0%
Endin	g stocks	1 953	2 331	1 953	- 16,2%
	Russia	129	603	355	- 41,1%
ıo	EU	176	197	292	+48,2%
TOP-5	Argentina	231	259	262	+1,2%
2	Ukraine	269	414	232	- 44,0%
	Turkey	155	160	189	+18,1%

Source: USDA (as of May 2022)



	Product					
District	Grains and pulses	Wheat	Corn	Oilseeds	Sunflower seeds	
Central FD	2 754	1 488	695	547	243	
Volga FD	1 908	1 011	197	175	104	
Southern FD	1 587	1 038	254	327	239	
Siberian FD	1 436	735	29	207	81	
Ural FD	740	386	22	39	12	
North Caucasian FD	603	378	126	31	22	
Northwestern FD	424	252	28	21	0	
Far Eastern FD	238	51	130	132	0	
Bussian FD Total	0.601	E 220	1 //02	1 470	702	

RUSSIA: stocks of agricultural products by federal districts as of the June 1, 2022, thousand tonnes

Source: Federal State Statistics Service of the Russian Federation

Map of Ukraine from the Paris Peace Conference in 1919.

(according to the Trenty of Breet Lineak signed in 1918).

DINOPYCE R W. S. F. POCH.

RUSS F. POCH.

Мапа України, що представлена на Паризькій мирній конференції 1919 року.





Latest steps to resolve the economic situation in Ukraine:

- ✓ Most of the European countries support granting Ukraine candidate status as a member of the European Union
- ✓ A memorandum was signed between Ukraine and Poland on simplifying the export of Ukrainian grain in terms of phytosanitary and veterinary control of transit cargoes of grain from Ukraine
- ✓ Ukraine is ready to export grain by sea under the condition of creating a sea corridor by warships of civilized countries, which Ukraine trusts
- ✓ Ukraine is already preparing additional storage facilities (mobile elevator cans and plastic hoses/bags are imported to have potential storage equipment in reserve)
- ✓ The United States intends to build granaries in Poland, on the border with Ukraine, to facilitate the export of Ukrainian grain to Europe by rail
- ✓ EU governments are considering providing Ukraine with temporary storage facilities for grain, which should significantly help preserve the harvest and ensure future grain supplies to world markets
- ✓ From the beginning of the war until June, 15 ships were loaded with Ukrainian grain in the Romanian port of Constanta. In total, 242 thousand tonnes of agricultural products were transshipped, which corresponds to 1.21% of last year's 20 million tons of grain, which Ukraine now wants to export
- ✓ A ship carrying 18 thousand tonnes of Ukrainian corn arrived on June 13, 2022 at a port in northwestern Spain, using a new maritime route through the Baltic Sea. Corn have left western Ukraine in trucks for Poland and Romania and then was loaded on to a ship at Poland's Baltic Sea port of Swinoujscie
- ✓ Hungary has offered its territory as a possible route for Ukrainian grain exports

