

Assessment of the impact of the Russia-Ukraine war on Ukrainian agriculture: policy insights for food security

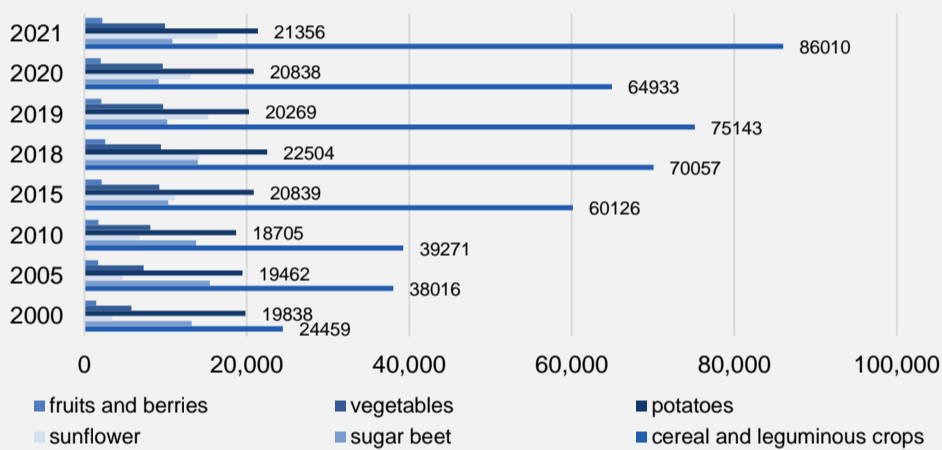
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1 Motivation & Method

The pre-war state of Ukrainian agriculture



Production of agricultural crops, thsd.t



Methods

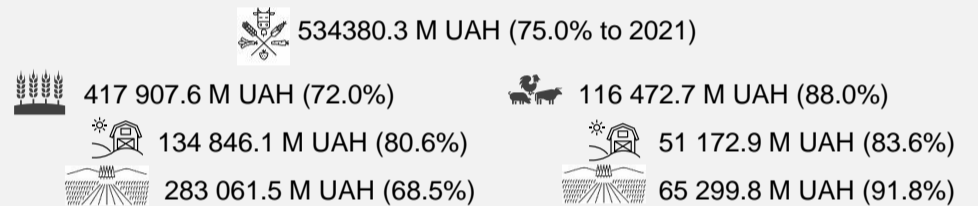
- We investigate war induced problems in Ukrainian agriculture, as well as agricultural policy responses by:
- ✓ News gathering: Official websites, Ukrainian press, specialized agribusiness platforms
 - ✓ Government laws and regulations: Ministry of Agrarian Policy, Verkhovna Rada, Cabinet of Ministers
 - ✓ Statistical analysis: State Statistical Service of Ukraine, FAO, other official sources
 - ✓ Literature review

2 Results

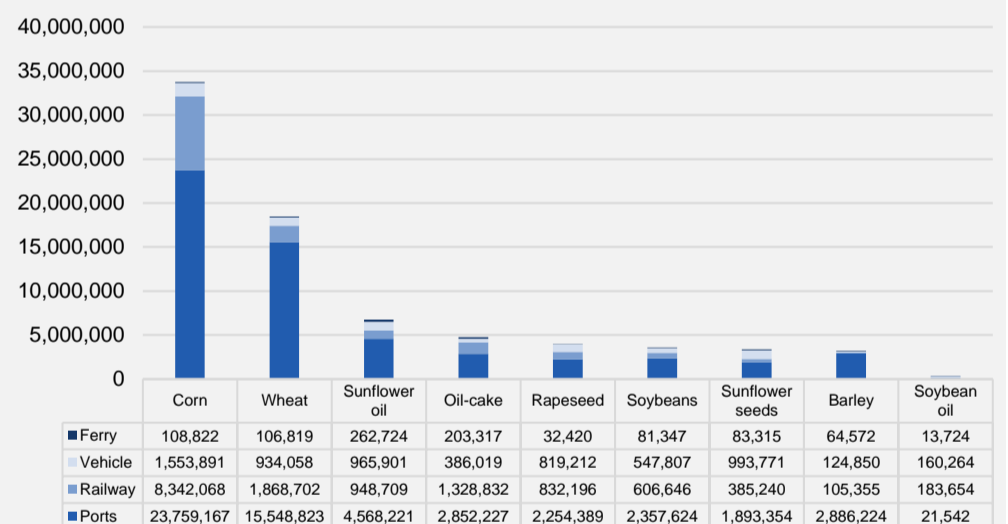
Key issues in Ukrainian agriculture due to the war:

- Lack of resources for agriculture
- Logistics and supply chains disrupted
- Shrinkage of domestic markets & limited access to international markets
- Labor shortages
- 470,000 hectares of contaminated land
- \$40.2 billion in damage and losses to the agricultural sector

Production of agricultural products in 2022 (in 2016 Prices)



Grain export, March 2022 - September 2023



3 Conclusion

The impact of the war and prospects for the future

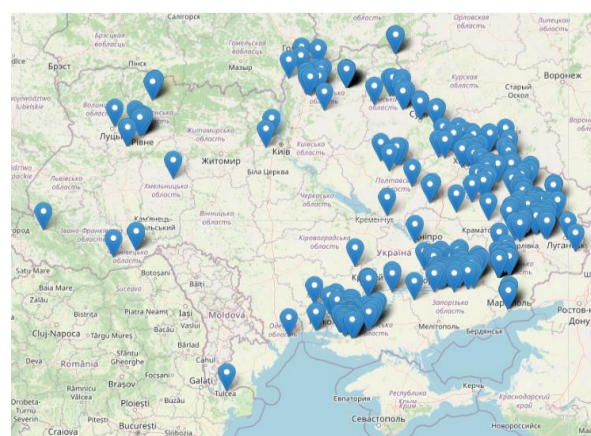
- ✓ **Key challenges identified.** Key challenges include scarcity of resources for production, disrupted logistics and supply chains, shrinking domestic and international markets, labor shortages and soil contamination.
- ✓ **Government response.** To address these challenges, the Ukrainian government has taken a proactive approach, supporting farmers through simplified taxation, accessible credit and deregulation.
- ✓ **International support.** The international community has played an important role in assisting Ukraine, with the European Union funding smallholder farmers, the FAO developing a rapid response plan, and USAID supporting Ukrainian agricultural exports.
- ✓ **Guidance for policymakers.** Policymakers should priorities strengthening the sector by increasing access to resources, improving logistics and facilitating international market access, while tailoring strategies to the needs of the sector and farmers.
- ✓ **Focus on post-war development.** Post-war priorities include reintegrating displaced populations, strengthening small and medium enterprises, promoting global market integration, and emphasizing environmental sustainability and technological advancement.
- ✓ **Global relevance.** A global response is essential to ensure that Ukraine's agricultural sector not only survives but thrives sustainably in the long term.

4 Contribution to Sustainable Food Systems

High prices, widespread damage to Ukrainian agricultural infrastructure, disruptions in the agricultural cycle and port blockades have sent shockwaves through the global trade network, particularly affecting food markets and straining supply chains. These challenges have exacerbated pre-existing problems within the global food system.

The Food Security Information Network's Global Report on Food Crises shows that by mid-2023, 238 million people in 48 countries were in acute food insecurity, up from 216 million in 2022. The disruption of food shipments across the Black Sea is a significant factor in this increase.

Ukrainian agricultural destruction map



View interactive map by scanning QR code

