

CLIMATE CHANGE GLOBAL IMPACT ON NUTRITION (ГЛОБАЛЬНИЙ ВПЛИВ КЛІМАТИЧНИХ ЗМІН НА ХАРЧУВАННЯ)

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Зміна клімату може вплинути на доступність їжі, зменшити доступ до продуктів харчування та вплинути на їх якість. Наприклад, прогнозоване підвищення температури, зміна структури опадів та екстремальних погодних явищ, зменшення кількості води можуть призвести до зниження продуктивності сільського господарства.

Climate change is very likely to affect food security at the global, regional, and local level. Climate change can disrupt food availability, reduce access to food, and affect its quality. For example, projected increases in temperatures, changes in precipitation patterns, changes in extreme weather events, and reductions in water availability may result in reduced agricultural productivity. Increases in the frequency and severity of extreme weather events can also interrupt food delivery, and resulting spikes in food prices after extreme events are expected to be more frequent in the future. Increasing temperatures can contribute to spoilage and contamination. Other stressors such as population growth may magnify the impact of climate change on food security. In developing countries, adaptation options like changes in crop-management, ranching practices, or improvements to irrigation are limited.

Any climate-related disturbance to food distribution and transport, internationally or domestically, may have significant impacts not only on safety and quality but also on food access. For example, the food transportation system frequently moves large volumes of grain by water. In the case of an extreme weather event affecting a waterway, there are few, if any, alternate pathways for transport. High temperatures and a shortage of rain in the summer of 2012 led to one of the most severe summer droughts and posed serious impacts to the Mississippi River watershed. This drought resulted in significant food and economic losses due to reductions in barge traffic, the volume of goods carried, and the number of the employed by the tugboat industry.

Impacts to the global food supply can cause humanitarian crises and national security concerns. They also can increase domestic food prices.