

Climate Prediction Center's Central Asia Hazards Outlook For USAID / FEWS-NET 08 December, 2022 – 14 December, 2022

Temperature:

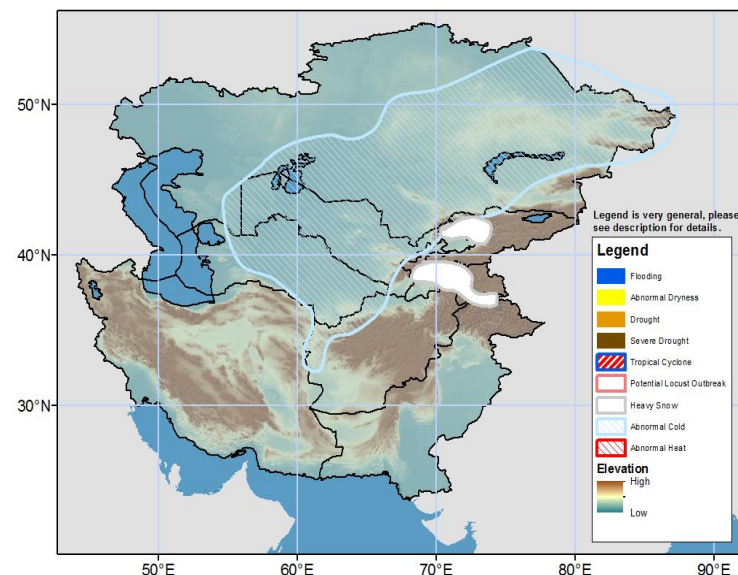
Weekly average minimum temperatures were below normal across most of Kazakhstan from 29 November 2022 – 05 December 2022, including 12 to more than 15 °C below normal for northeastern Kazakhstan. Temperature anomalies between 2 to 12 °C below normal also extended from western and central Uzbekistan to northern Turkmenistan. In contrast, slightly above normal minimum temperatures were observed across southern Kyrgyzstan, western and central Tajikistan, and northern Afghanistan. Weekly average minimum temperatures were observed around -25 to less than -35 °C across northern and eastern Kazakhstan, while minimum temperatures were observed around -20 to 0 °C across Kyrgyzstan, northwest, central, and eastern Tajikistan, southern and western Kazakhstan, northern Turkmenistan, central and western Uzbekistan, and central and northeast Afghanistan.

The GEFS model forecasts below normal mean temperatures (2 to 12 °C below normal) across Kazakhstan, Uzbekistan, Turkmenistan, most of Kyrgyzstan, western and northern Afghanistan, and western Tajikistan between 08 December – 14 December 2022, with 8 to 12 °C below normal in Kazakhstan's regions of southeastern Karaganda northern Jetisu, northeastern Jambyl, northern Almaty, and southwestern Abai. Above normal mean temperatures are forecast across central, eastern, and northeastern Afghanistan and eastern Tajikistan (<4 °C above normal). Weekly average minimum temperatures are forecast around -25 to -15 °C across northern, central, and eastern Kazakhstan, eastern and central Tajikistan, and eastern and central Kyrgyzstan. Minimum temperatures are forecast around -15 to 0 °C across northern and western Kyrgyzstan, northwestern, western, and southern Kazakhstan, Uzbekistan, central and eastern Turkmenistan, and central and northeastern Afghanistan. An abnormal cold hazard is posted across central and eastern Kazakhstan and extends into most of Uzbekistan, Turkmenistan, western Afghanistan, western Tajikistan, and western Kyrgyzstan.

Precipitation:

Moderate to heavy precipitation was observed across southern Kazakhstan, northwestern Kyrgyzstan, and western Tajikistan, and light precipitation was observed across central and eastern Kazakhstan, central Tajikistan, eastern Uzbekistan, northern Afghanistan, and central and eastern Kyrgyzstan from 29 November 2022 – 05 December 2022. The most precipitation (25mm to 50mm) was observed across the Turkistan region of Kazakhstan and in western Tajikistan. Based on USGS analysis, positive snow depth and SWE anomalies currently exist across eastern and central Kazakhstan, central Tajikistan, western Kyrgyzstan, and in far northern Afghanistan.

The GEFS weekly ensemble mean forecasts moderate precipitation across central Tajikistan, western and southwestern Kyrgyzstan, and northeastern Afghanistan, as well as light to moderate precipitation in eastern and southeastern Kazakhstan, central Afghanistan, and northwestern Iran from 08 December – 14 December 2022. A heavy snow polygon is posted across central and northwest Tajikistan, southern and western Kyrgyzstan, and in northeastern Afghanistan.



Note: The Hazards outlook map is based on current weather/climate information, short and medium range weather forecasts (up to 1 week), sub-seasonal forecasts up to 4 weeks, and assesses the potential impact of extreme events on crop and pasture conditions. Shaded polygons are added in areas where anomalous conditions have been observed and predicted to continue during the outlook period. The boundaries of these polygons are only approximate at the spatial scale of the map. This product takes into account long range seasonal climate forecasts but does not reflect current or projected food security conditions. FEWS NET is a USAID-funded activity whose purpose is to provide objective information about food security conditions. Its views are not necessarily reflective of those of USAID or the U.S. Government. The FEWS NET weather hazards outlook process and products include participation by FEWS NET field and home offices, NOAA-CPC, USGS, USDA, NASA, and a number of other national and regional organizations in the countries concerned. Questions or comments about this product may be directed to Dr. Wassila Thiaw, Head, International Desks/NOAA, wassila.thiaw@noaa.gov. Questions about the USAID FEWS NET activity may be directed to Dr. James Verdin, Program Manager, FEWS NET/USAID, jverdin@usaid.gov.