

Climate Prediction Center's Central Asia Hazards Outlook For USAID / FEWS-NET 01 December, 2022 – 07 December, 2022

Temperature:

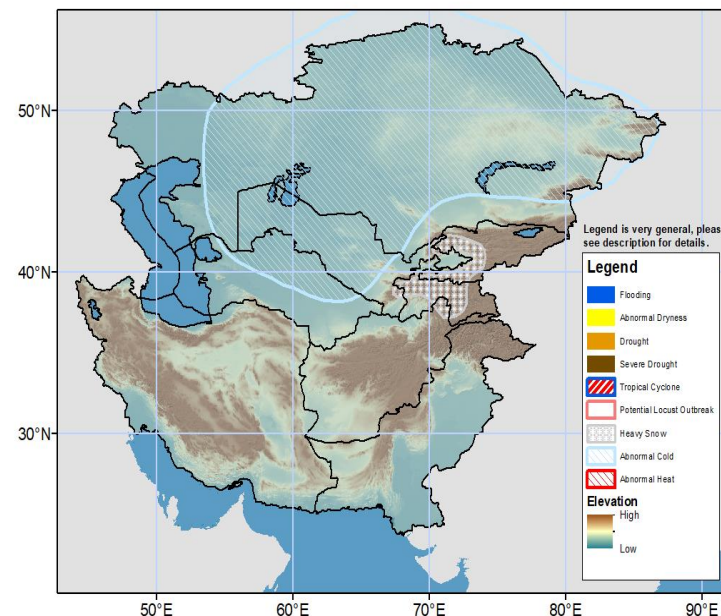
Weekly average minimum temperatures were below normal (-12 to -2 °C) across northern and eastern Kazakhstan during 22 – 28 November 2022, with -12 to -8 °C below normal in northern and northeast Kazakhstan. In contrast, above normal minimum temperatures were observed across western, southern, and southeast Kazakhstan, Uzbekistan, Turkmenistan, Kyrgyzstan and western Afghanistan. Weekly average minimum temperatures were observed around -25 to -15 °C across northern and eastern Kazakhstan, while minimum temperatures were observed around -15 to 0 °C across Kyrgyzstan, northwest, central and eastern Tajikistan, central and southeast Kazakhstan, and central and northeast Afghanistan.

The GEFS model forecasts below normal temperature (-10 to -2 °C) across Kazakhstan, Uzbekistan, Turkmenistan, western and southern Kyrgyzstan, western Afghanistan, and western Tajikistan during the period 01 - 07 December 2022, with -10 to -8 °C below normal in northern, Aktobe, central and eastern Kazakhstan region. In contrast, above normal mean temperatures are forecast across central and eastern Afghanistan and eastern Tajikistan. Weekly average minimum temperatures are forecast around -25 to -15 °C across northern and eastern Kazakhstan and eastern Tajikistan, while minimum temperature are forecast around -15 to 0 °C across Kyrgyzstan, northwest, central and southern Kazakhstan, and central and northeast Afghanistan. An abnormal cold hazard is posted across northern, Aktobe, central, southern, and eastern Kazakhstan, western and central Uzbekistan, and northern Turkmenistan.

Precipitation:

Moderate to heavy precipitation was observed across southeast, eastern, northwest and northern Kazakhstan and western and northern Kyrgyzstan during 22 – 28 November 2022. Some greater amount of precipitation (25mm to 75mm) was observed across Almaty and south East-Kazakhstan regions. Based on USGS snow depth and snow water equivalent (SWE) analysis, positive snow depth and SWE anomalies currently exist across eastern Kazakhstan, central Tajikistan and in for northern Afghanistan.

The GEFS weekly ensembles mean forecasts moderate to heavy precipitation across western and central Tajikistan, southern Kyrgyzstan, southeast Kazakhstan, northern Afghanistan, and northwest Iran during the period 01 – 07 December 2022. Heavy snowfall is predicted across central and northwest Tajikistan, southern Kyrgyzstan, and in for northern Afghanistan. Therefore, a heavy snow polygon is posted.



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, jverd@usaid.gov.