

Climate Prediction Center's Central Asia Hazards Outlook For USAID / FEWS-NET 23 June, 2022 – 29 June, 2022

Temperature:

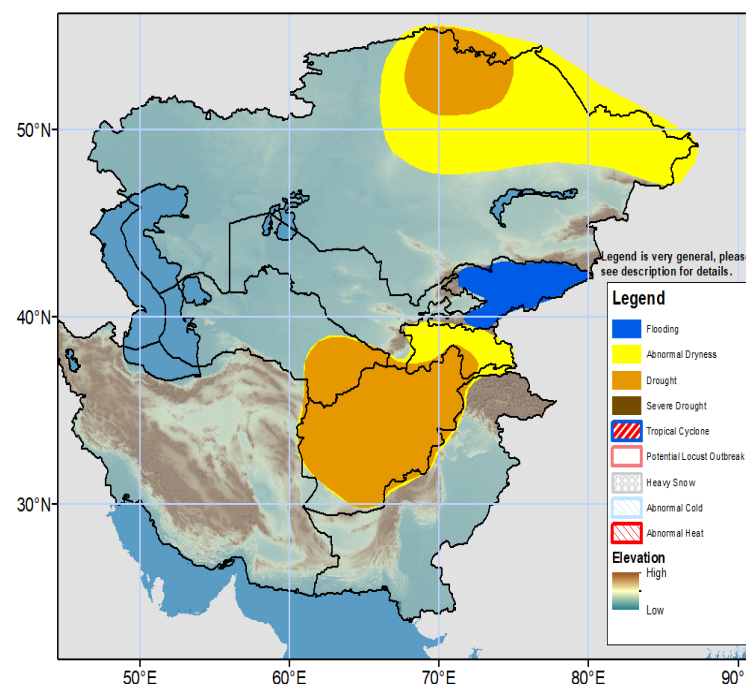
Weekly average maximum temperatures were above normal (2 to 4 °C) across southern and northern Kazakhstan, southwest Afghanistan, and southeast Kyrgyzstan during 14 June, 2022 – 20 June, 2022. Weekly average maximum temperatures were observed around 35 to 40 °C across Turkmenistan, central Uzbekistan, and southern Kazakhstan. Weekly average maximum temperature was observed around 40 to 45 °C across southern Afghanistan.

The GEFS model forecasts above normal temperature (1 to 6 °C) across western, central, southern and eastern Kazakhstan, Kyrgyzstan, Uzbekistan, Turkmenistan, Tajikistan and Afghanistan during 23 June, 2022 – 29 June, 2022. In contrast, below normal mean temperatures are forecast across northern Kazakhstan. Weekly average maximum temperatures are forecast around 40 to 45 °C across southern Afghanistan, central and eastern Turkmenistan, central Uzbekistan, and southern Kazakhstan.

Precipitation:

According to media reports, an earthquake of magnitude 5.9 M at a depth of 10 km occurred in the Spera District, eastern Afghanistan on 21 June, 2022 resulting in 920 people have died, over 600 people have been injured and infrastructure was damaged. Light to moderate precipitation was observed across Kyrgyzstan, northern, northeast and southern Kazakhstan, Tajikistan, and eastern Afghanistan during the period 14 June, 2022 – 20 June, 2022. The past ninety-day below-average rainfall negatively affected soil-moisture levels over northern Kazakhstan, where poor and degraded vegetation conditions were also depicted. Drought polygon is posted over the northern Kazakhstan, where standard precipitation index (SPI) depicted below normal value over there. The multiple rainfall estimates of 30-day precipitation depicts below normal rainfall around 25 mm across northern regions of Karagandinskaya, Kazakhstan. Therefore, the current abnormal dryness hazard is extended to northern regions of Karagandinskaya, Kazakhstan.

The GEFS weekly ensemble mean forecasts moderate to heavy precipitation across Kyrgyzstan during 23 June, 2022 – 29 June, 2022. Light to moderate precipitation is predicted across northwest, northern, and northeast Kazakhstan and eastern Tajikistan. Heavy precipitation around 25mm to 50mm is predicted across Kyrgyzstan. Therefore, a flooding polygon is posted across Kyrgyzstan.



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, jverdind@usaid.gov.