

Climate Prediction Center's Central Asia Hazards Outlook For USAID / FEWS-NET 18 July – 24 July 2024

Temperature:

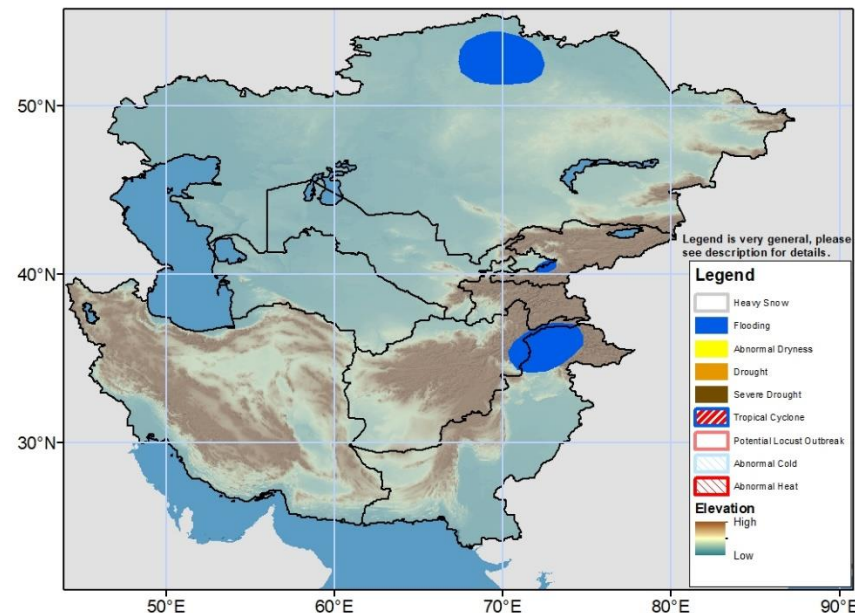
Temperatures across the region were largely near average this past week. A few scattered patches of 2 - 4°C mean maximum temperature anomalies were observed over the region. Patches of 2 - 6°C negative anomalies were observed in Kyrgyzstan and Tajikistan. The hottest weekly mean maximum temperatures of more than 40°C were observed in parts of Iran, central Turkmenistan, southern Pakistan, and low elevations of Afghanistan. Weekly mean minimum temperatures were also generally close to average with many patches of 2 -4°C positive anomalies scattered through the region.

During the outlook period, the GEFS model forecasts above-average 7-day mean maximum temperatures (1 to 4°C anomaly) in northwestern and eastern Kazakhstan. In contrast, 7-day mean maximum temperature is forecasted to be 1 to 4°C below average in portions of central Kazakhstan, Uzbekistan, Turkmenistan, and northern/western Afghanistan. 7-day mean maximum temperature is forecasted to be 40-45°C in southern Afghanistan, central Turkmenistan, much of Pakistan and Iran.

Precipitation:

Moderate to locally heavy rainfall was observed across central and eastern regions of Kazakhstan. The past 7 days' totals were widely 5 mm to locally 50 – 75 mm, where flooding may be an issue. Moderate rain fell in Kyrgyzstan and far-eastern Uzbekistan. Monsoonal moisture brought moderate to heavy rains into central and northern Pakistan and eastern provinces of Afghanistan. Totals locally exceeded 75 mm and 55 fatalities due to floods and severe weather (including Hail and strong winds) were reported in several provinces in Afghanistan. Crops and orchards were also damaged. An additional 40 fatalities occurred in northern Pakistan. Over the past 30 days, rainfall was above-average in north-central and eastern Kazakhstan, as well as many portions of Kyrgyzstan. In contrast, rainfall is below-average in northeastern Afghanistan, parts of Pakistan, and central, western, and parts of eastern Kazakhstan. According to satellite based vegetation health indices, vegetation is lush across northern Kazakhstan but relatively unhealthy across southern Kazakhstan, Turkmenistan, and Uzbekistan.

During the outlook period, models forecast light to moderate rainfall across Kazakhstan. Patches of 25 – 50 mm of rainfall are likely across northern parts of the country. Moderate rainfall (10 – 50 mm) is forecast in Kyrgyzstan and eastern/northern Tajikistan during the outlook period and may reinforce ongoing floods that have killed 5. Locally moderate rain (25 – 50 mm) associated with monsoonal flow is likely in eastern provinces of Afghanistan and in northern Pakistan.



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.