

# Seasonal Agro-Climate outlook for June - August 2025

## **Brief Introduction**

The Pakistan Meteorological Department issues monthly and seasonal forecasts using global climate models at the end of each month. Since a single model and dataset are not deemed reliable for long-term prediction and forecasting, models developed by various institutes and different datasets are utilized for accuracy, along with different boundary conditions for each model output. Currently, 13 recommended models are employed to generate a multi-model ensemble for seasonal predictions.



**Seasonal Projections (Precipitation)** 

A tendency of above normal precipitation is anticipated across most regions of the country particularly northeastern/central Punjab and Kashmir. Whereas, Gilgit Baltistan along the adjoining hilly areas of Khyber Pakhtunkhwa are expected to receive normal to slightly below normal precipitation in the upcoming three months (JJA 2025).



### **Month Wise Situation**

- In June 2025, most regions of the country including Sindh, Balochistan, and Punjab, are expected to experience near normal to slightly above normal rainfall. However, the central/northern parts of Khyber Pakhtunkhwa, Azad Jammu & Kashmir and Gilgit Baltistan are likely to receive below normal precipitation.
- In July 2025, near normal to slightly above normal rainfall is expected in most parts of the country particularly northeastern Punjab, Kashmir and some parts of Balochistan. However, normal to slightly below normal precipitation is likely over Gilgit Baltistan and adjoining areas of Khyber Pakhtunkhwa.
- During August 2025, near normal to slightly above normal rainfall is expected over the most parts of the country particularly the northeastern parts of Punjab. Whereas, normal to slightly below normal precipitation is likely over Gilgit Baltistan and adjoining areas of Khyber Pakhtunkhwa.







#### Seasonal Projections (Mean Air Temperature)

A tendency of above normal mean temperatures is anticipated across most parts of the country particularly in northern belt of Khyber Pakhtunkhwa, Gilgit Baltistan and Kashmir during the period JJA 2025.

#### **Month Wise Situation**

- During June 2025, mean temperatures are expected to remain above normal in most parts of the country particularly in upper parts of Khyber Pakhtunkhwa, Gilgit-Baltistan, and Kashmir.
- In July 2025, above normal mean temperatures are likely over the northern parts of the country including northern Khyber Pakhtunkhwa, Gilgit Baltistan and Kashmir. However, near normal mean temperatures are expected in Punjab, Sindh and eastern belt of Balochistan.



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- During August 2025, above normal mean temperatures are expected particularly in Gilgit Baltistan and Kashmir. However, near normal mean temperatures are likely over Punjab, Sindh and eastern belt of Balochistan.





Potohar Region is expected to receive considerable rainfall particularly during the month of July 2025. The mean temperature is expected to decrease gradually following the seasonal pattern. Central Punjab



**Central Punjab** is expected to experience reasonable rainfall over the upcoming three months particularly during the month of July 2025. The mean temperature is likely to decrease gradually following the seasonal pattern.







**Southern Punjab** is expected to receive satisfactory amount of rainfall in the next three months (JJA) particularly during July 2025. The mean temperature is expected to gradually decrease following the seasonal pattern.





**Upper Sindh** is expected to receive reasonable rainfall during this period (JJA 2025). The mean temperature is likely to decrease gradually following the seasonal pattern.



Similarly, **Lower Sindh** is expected to receive considerable rainfall during this period particularly in the month of July 2025. The mean temperature is likely to decrease gradually following the seasonal pattern.







**Upper Khyber Pakhtunkhwa** is expected to receive a considerable amount of precipitation throughout the period. The mean temperature is likely to increase in July first and then decreases gradually in August following the seasonal pattern.



**Lower Khyber Pakhtunkhwa** is expected to receive reasonable amount of precipitation throughout the period (JJA). The mean temperature is expected to first rise in July and then gradually decreases in August as per the seasonal pattern.







**North-Western Balochistan** is expected to receive a considerable amount of precipitation by the end of the period (JJA). Additionally, the mean temperature is expected to rise first in July and then gradually decreases in August as per the seasonal pattern.



**Central Balochistan** is expected to receive a considerable amount of precipitation during the last two months of the period (JJA 2025). The mean temperature is likely to decrease gradually following the seasonal pattern.





**Gilgit Baltistan** is expected to receive a reasonable amount of precipitation during the mentioned period (JJA 2025). The mean temperature is likely to first increase in July and then gradually decreases in August following the seasonal pattern.



**Kashmir** is expected to receive considerable precipitation during the next three months. The mean temperature is likely to first increase in July and then gradually decreases in August following the seasonal pattern.



#### Advisories to Farmers Based on the Past and expected Weather conditions

During the month of May 2025, most agricultural plains of the country experienced heatwave, with day time temperatures remaining above normal. Meanwhile, rainfall in most parts of Punjab, Sindh, and Balochistan was observed to be nearly normal to slightly above normal. During this period, farmers in the upper regions and northern Balochistan completed the harvesting and threshing of Rabi crops, especially wheat.

During the next three months (JJA 2025), in addition to seasonal increase in temperatures, quantitatively normal to above normal monsoon rains are expected in the country especially over the upper parts of Punjab & southern Sindh. These rains are likely to reduce water stress conditions and may produce reasonable moisture contents for healthier growth of standing crops and vegetables in most parts the country.

During expected monsoon season, strong winds / thunderstorm along with heavy rains are expected in particular regions. Accordingly, the irrigation and spray related activities for cotton, rice, sugarcane, peanut and grams crops may be scheduled in the light of expected weather conditions.