

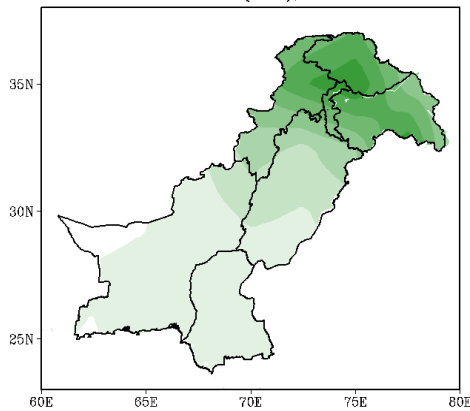
Seasonal Agro-Climat outlook for April - June 2025

Brief Introduction

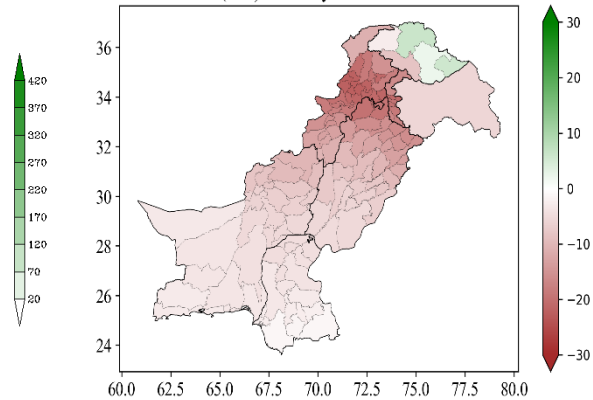
Pakistan Meteorological Department issues monthly and seasonal forecast at the end of each month using global climate models. As the result of a single model and single data set are not considered reliable for prediction and forecast for a longer period, therefore models developed by different institutes and different data sets are being used for accuracy along with different boundary conditions for each model output. At present, 13 recommended models are adopted to obtain multi-model ensemble for seasonal predictions.

Seasonal Projections (Precipitation)

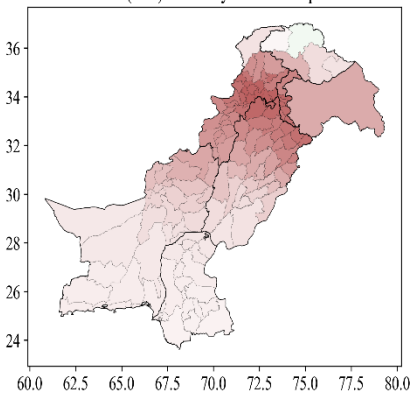
Total Rainfall (mm), AMJ 2025



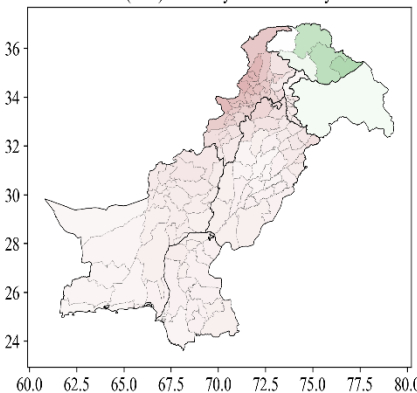
Rainfall (mm) Anomaly Outlook AMJ-2025



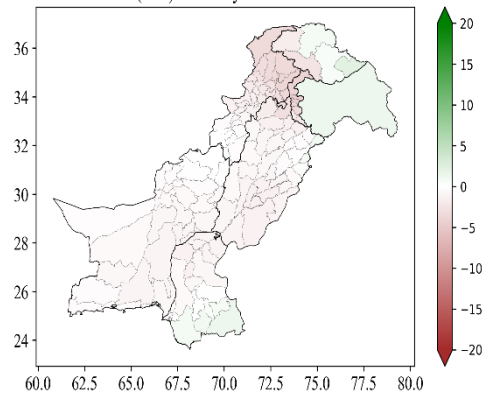
Rainfall (mm) Anomaly Outlook Apr-2025



Rainfall (mm) Anomaly Outlook May-2025



Rainfall (mm) Anomaly Outlook Jun-2025



A tendency of normal to slightly below normal precipitation is likely over most parts of the country particularly over Khyber Pakhtunkhwa, northern parts of Punjab and Azad Jammu & Kashmir, whereas slightly above normal precipitation is expected over Gilgit Baltistan during the next three months (AMJ).

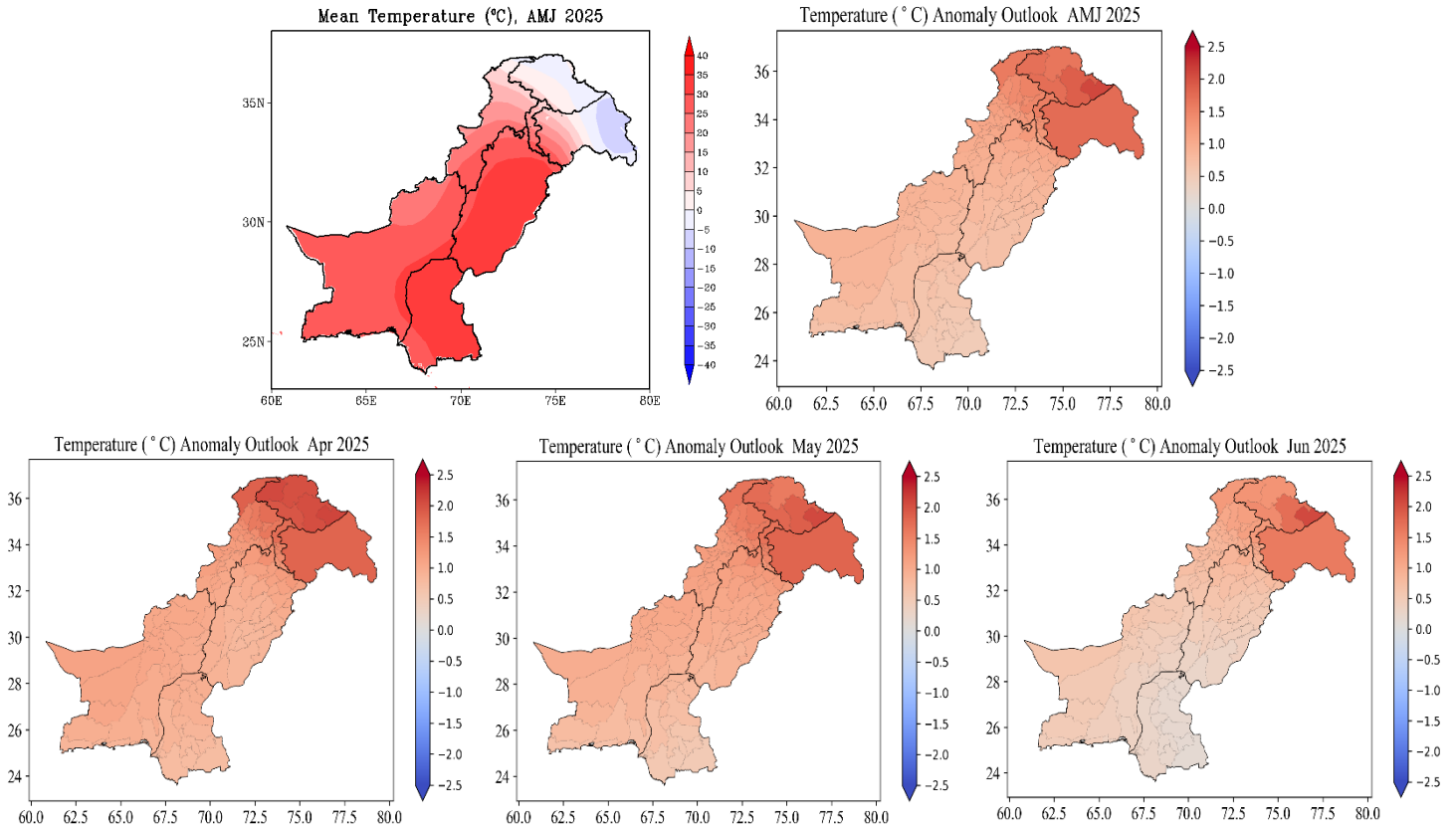


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Month Wise Situation

- In April 2025, nearly normal to below normal rainfall is likely in most parts of the country particularly over Khyber Pakhtunkhwa along with Pothohar region and northeastern Punjab.
- During May 2025, nearly normal to slightly below normal rainfall is expected over most parts of the country especially over the northwestern belt of Khyber Pakhtunkhwa, however slightly above normal precipitation is expected over Gilgit Baltistan and Northern Kashmir.
- Nearly normal rainfall is likely over the most parts of the country during June 2025.

Seasonal Projections (Mean Air Temperature)

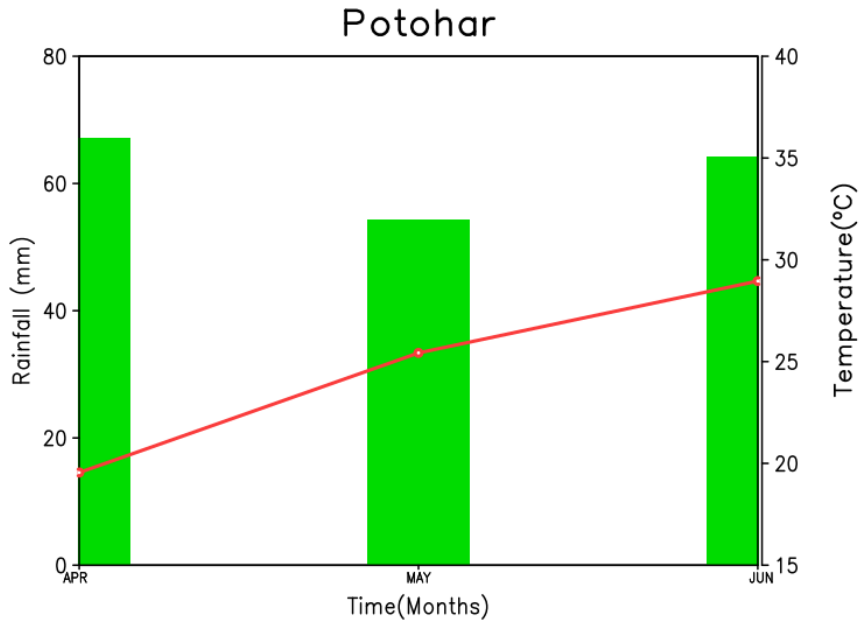


A tendency of above normal mean temperatures is expected in most parts of the country particularly over Gilgit Baltistan and Kashmir during the period (AMJ) 2025.

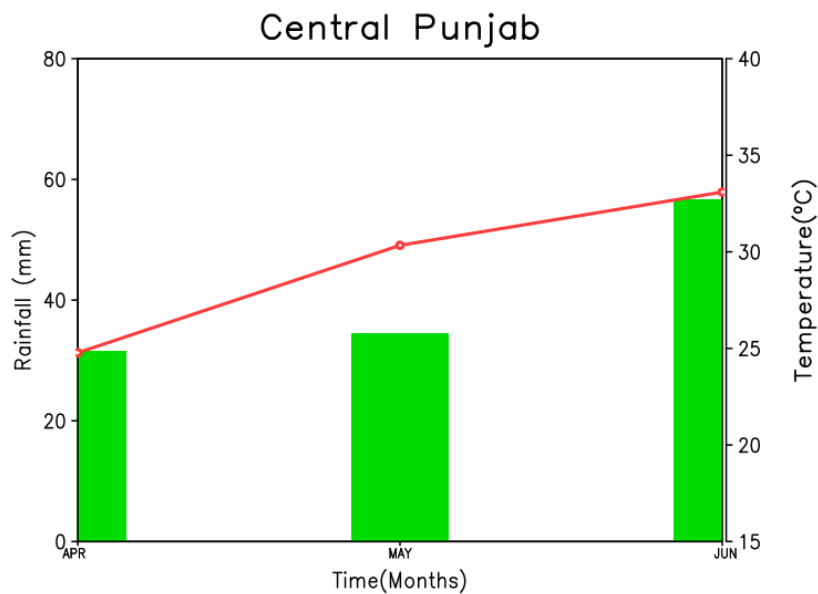
Month Wise Situation

- During April and May 2025, above normal mean temperature is likely in most parts of the country, particularly in Upper Khyber Pakhtunkhwa, Gilgit Baltistan and Kashmir.
- Nearly normal mean temperatures are expected in lower half of the country, however above normal mean temperatures are expected in the northern region especially in Gilgit Baltistan & Kashmir during June 2025.

Outlook for Agroclimatic Zones



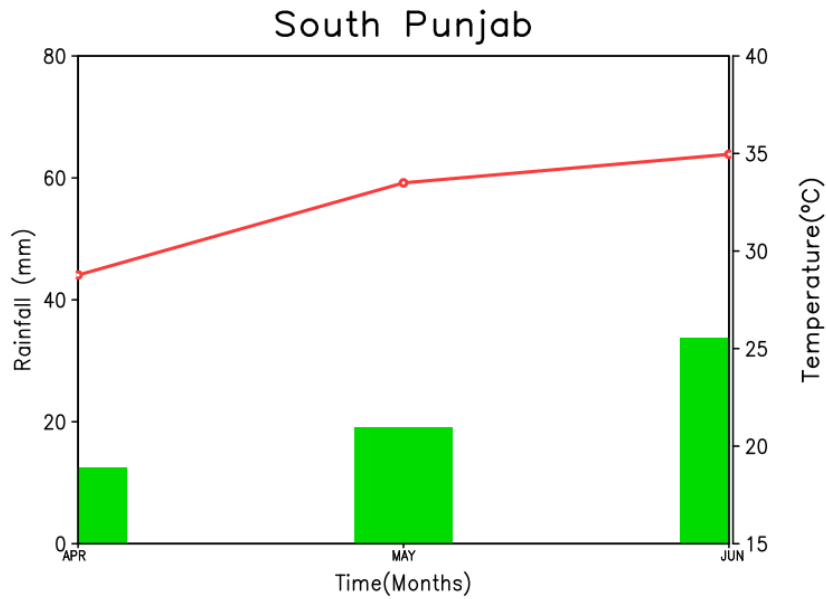
The Potohar Region is expected to receive considerable rainfalls throughout the period (AMJ). The mean temperature is expected to increase gradually following the seasonal pattern.



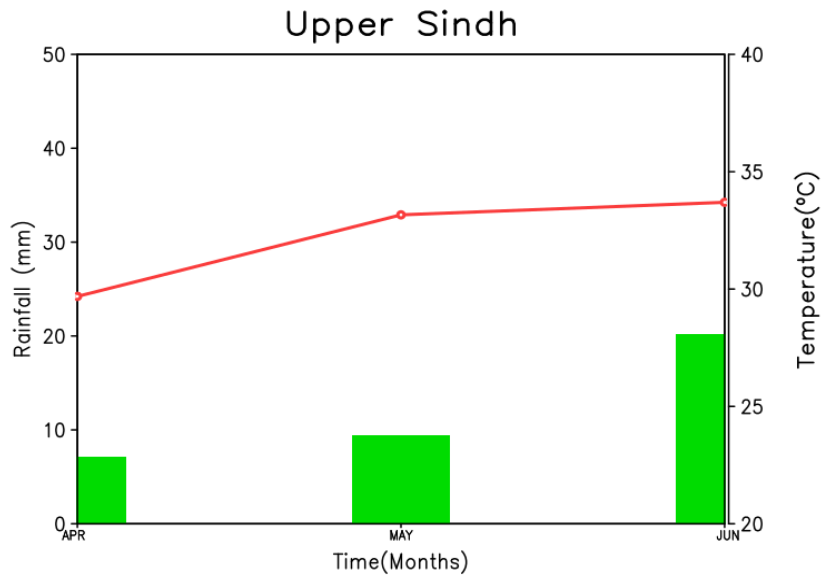
Central Punjab is expected to receive comparatively lesser rainfalls during the next three months. The mean temperature is projected to increase as per seasonal pattern.



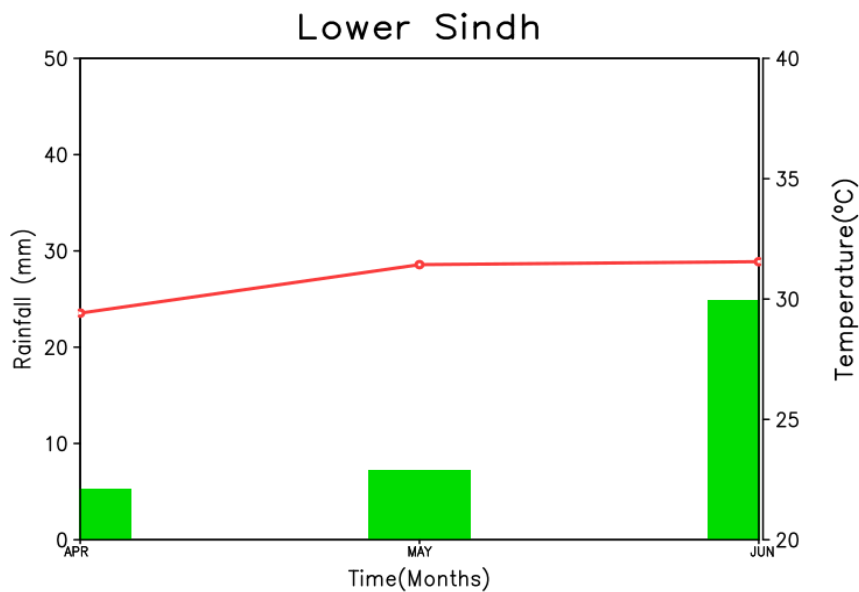
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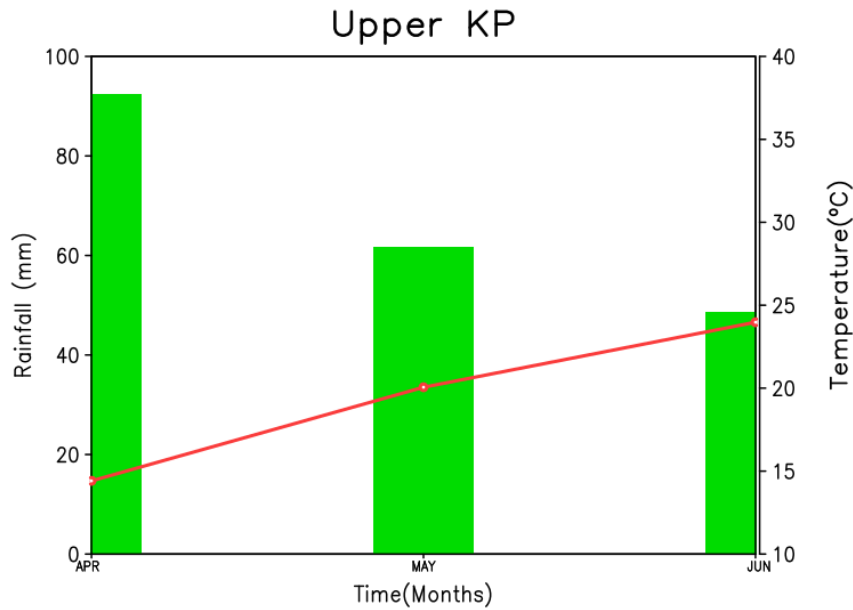
Southern Punjab is expected to receive very few rainfalls during the next three months (AMJ). The mean temperature may increase gradually following the seasonal pattern.



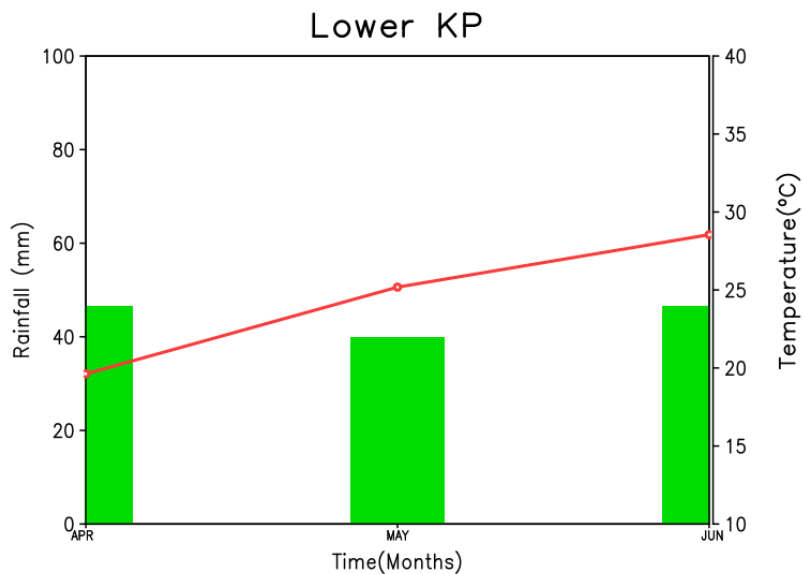
Upper Sindh is expected to receive a few rainfall events during the period. The mean temperature is expected to increase following the seasonal pattern.



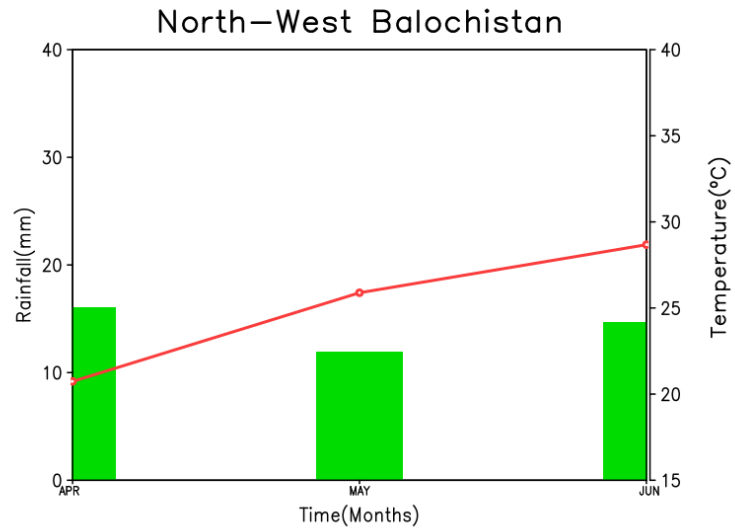
Similarly, **Lower Sindh** is expected to very few rains during the specified period (AMJ). The mean temperature may slightly increase following the seasonal pattern.



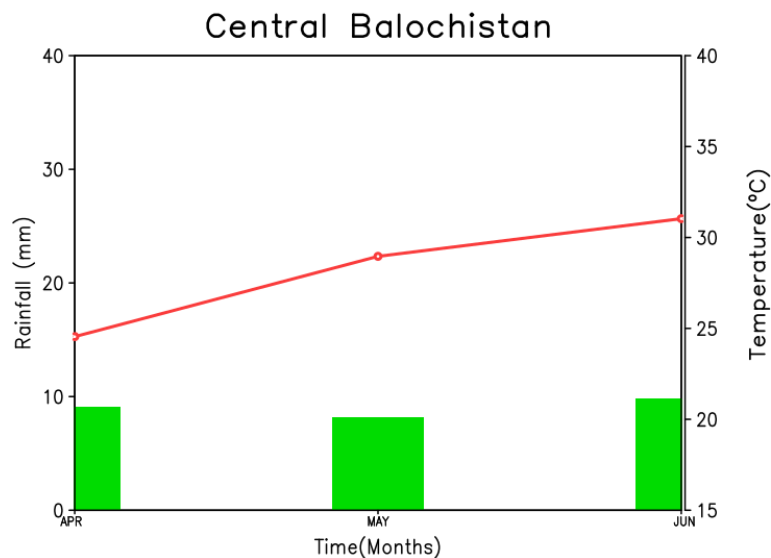
Upper Khyber Pakhtunkhwa is expected to receive considerable amount of precipitation throughout the period particularly in April 2025. The mean temperature is expected to increase as per seasonal pattern.



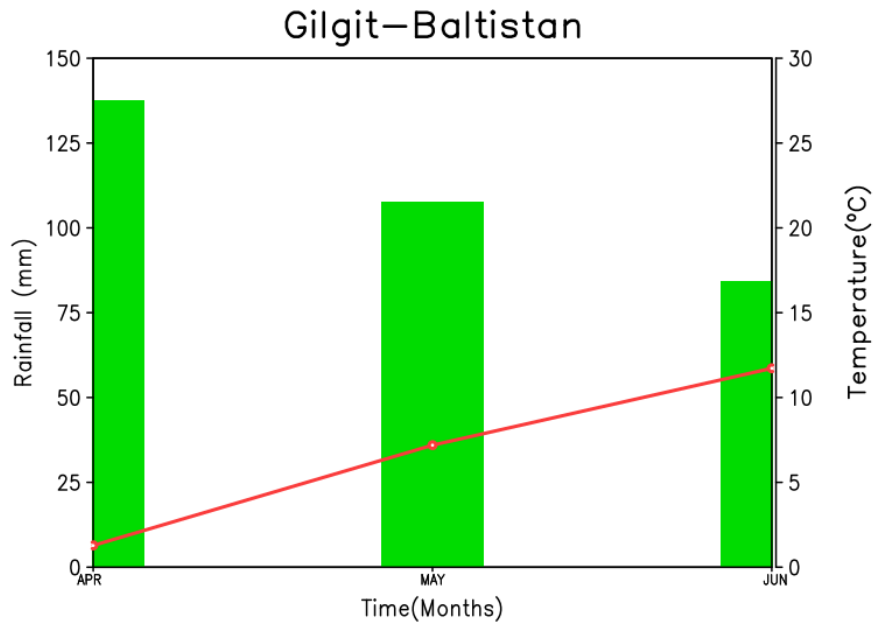
Lower Khyber Pakhtunkhwa is expected to receive comparatively fewer amount of precipitation throughout the period (AMJ). The mean temperature is expected to rise gradually as per seasonal pattern.



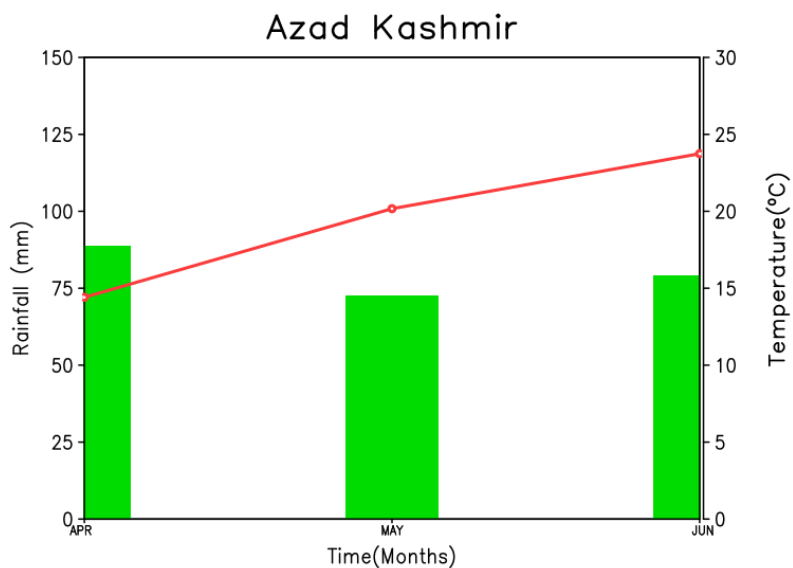
North-Western Balochistan may receive fewer rainfalls throughout the period. The mean temperature is expected to rise following the seasonal pattern.



Central Baluchistan is expected to receive fewer rainfalls during the next three months (AMJ). The mean temperature may increase gradually following the seasonal pattern.



Gilgit Baltistan is expected to receive considerable amount of precipitation during the mentioned period (AMJ). The mean temperature may increase gradually following the seasonal pattern.



Kashmir is expected to receive considerable precipitation during the next three months. The mean temperature is expected to increase following the seasonal pattern.



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Advisories to Farmers Based on the Past and expected Weather conditions

At present, the major agricultural soils in particular parts of the country may face moisture stress in water levels based on the recently prevailed weather conditions. Accordingly, the standing crops and vegetable/orchards have been affected in some parts of the country.

During the next three months (AMJ), in addition to seasonal increase in temperatures, quantitatively fewer rains are expected in most parts of the country especially over Khyber Pakhtunkhwa and upper Punjab which would cause gradual declination in the moisture contents in the agricultural plains of the particular regions. Therefore, additional irrigation would be required for upcoming Kharif crops and vegetables in particular regions of the country. On the other hand, April holds significant importance for the harvesting of wheat crops in some parts of Sindh and Punjab.

Strong winds / thunderstorm along with rains and occasional hails events are expected at locations of upper half during April-May. Accordingly, the harvesting / post harvesting activities for wheat, grams and rest of Kharif crops may be scheduled in the light of expected weather conditions.