

**Seasonal precipitation predictions in the Desert Locust winter/spring breeding areas
(November 2024 – April 2025)**

The subseasonal dynamical models indicate below-normal rainfall in West Africa for November, while the seasonal models may suggest the opposite. A weakening of La Niña is anticipated. The main change from last month’s precipitation forecast is that wetter conditions are expected along the southern Red Sea, Gulf of Aden, and northern Somalia during the rest of October and at least the first half of November according to some of the subseasonal models. Dry conditions are likely to continue in East Africa and the Near East throughout the winter, with the Arabian Peninsula likely becoming dry by January. As a result, only small-scale breeding is expected in the Central Region during winter, followed by perhaps a few places in the Western, Central, and Eastern regions during the spring.

PRECIPITATION ANOMALY	Nov	Dec	Jan	Feb	Mar	Apr
Algeria (central/south)						
Chad						
Djibouti						
Egypt (SE Red Sea–winter, Nile–summer)						
Eritrea (western–summer, coastal–winter)						
Ethiopia (Somali–spring, Afar–summer)						
India (Rajasthan, Gujarat)						
Iran (south–spring)						
Libya (southwest–spring)						
Mali (northeast)						
Mauritania (south–summer, NW–autumn)						
Morocco (W Sahara–autumn, Atlas–spring)						
Niger (Tamesna, Air)						
Oman (spring)						
Pakistan (southwest–spring, east–summer)						
Saudi Arabia (Red Sea, interior–spring)						
Somalia (N coast–winter, N interior–spring)						
Sudan (interior–summer, coastal–winter)						
Yemen (interior–summer, coastal–winter)						

Dry
 Slightly drier
 Normal
 Slightly wetter
 Wet



Desert Locust and precipitation predictions

Western Region

According to the subseasonal models, below-normal rains are expected in all areas of the northern Sahel from Mauritania to Chad as well as the Sahara for the next six weeks.

According to the next six-month seasonal models, usually there is not much rainfall in the winter along the northern Sahel and the Sahara. A few of the models suggest above-normal rain could occur in December from central and northern Mauritania to northeast Mali, southern Algeria, Libya, and northern areas of Niger and Chad, and continue in some areas until March. Compared to last month seasonal models, below-normal rain is now expected during the spring in the North-West Africa south of the Atlas Mountains. As a result, very few small-scale breeding is expected during the spring season.

Central Region

According to the subseasonal models, above-normal rains are likely to occur during the last dekad of October and at least the first half of November from east of the Nile Valley of central Sudan to the Red Sea coasts of southern Sudan, Eritrea, southern Saudi Arabia, and Yemen.

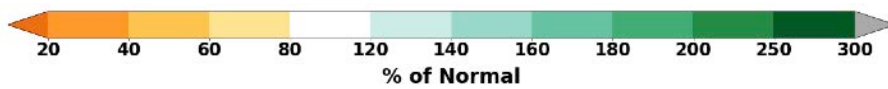
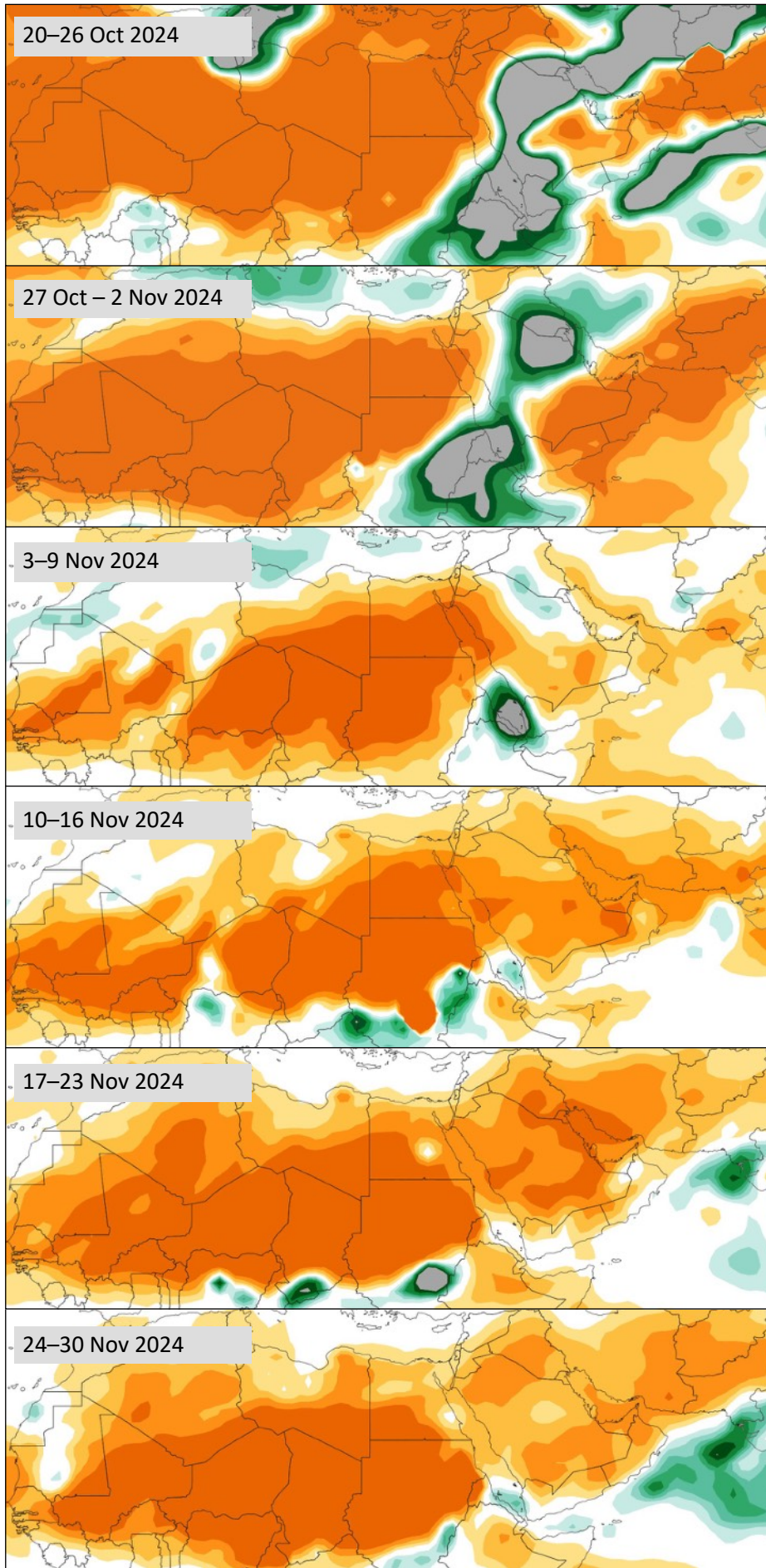
According to the next six-month seasonal models, below-normal rains are expected to continue from December to February in the winter breeding areas along the Red Sea and Gulf of Aden coasts. During the spring, normal to slightly above normal rain may occur in the interior of Saudi Arabia in March, followed by the interior and southern coast of Yemen in April. As a result, only small-scale breeding is likely to occur during this winter and spring areas.

Eastern Region

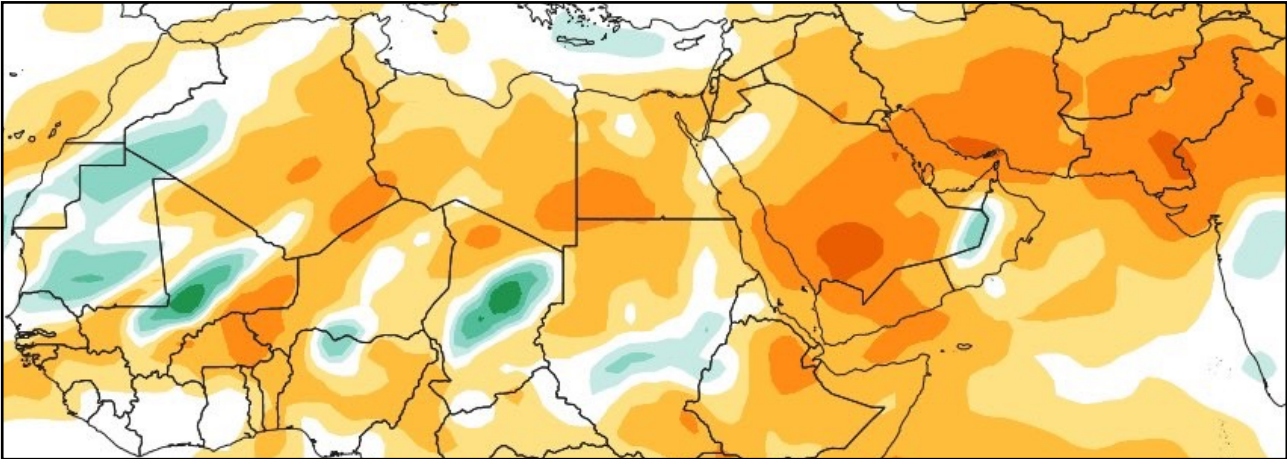
According to the subseasonal models, no rain is expected along the Indo-Pakistan border since the southwest monsoon withdraw the last week of September and the summer season has finished.

According to the next six-month seasonal models, the spring rainfall is expected to be normal in southeast Iran and slightly above normal in southwest Pakistan in March and below-normal in April for both countries. As a result, very little if any breeding is expected for the spring season.

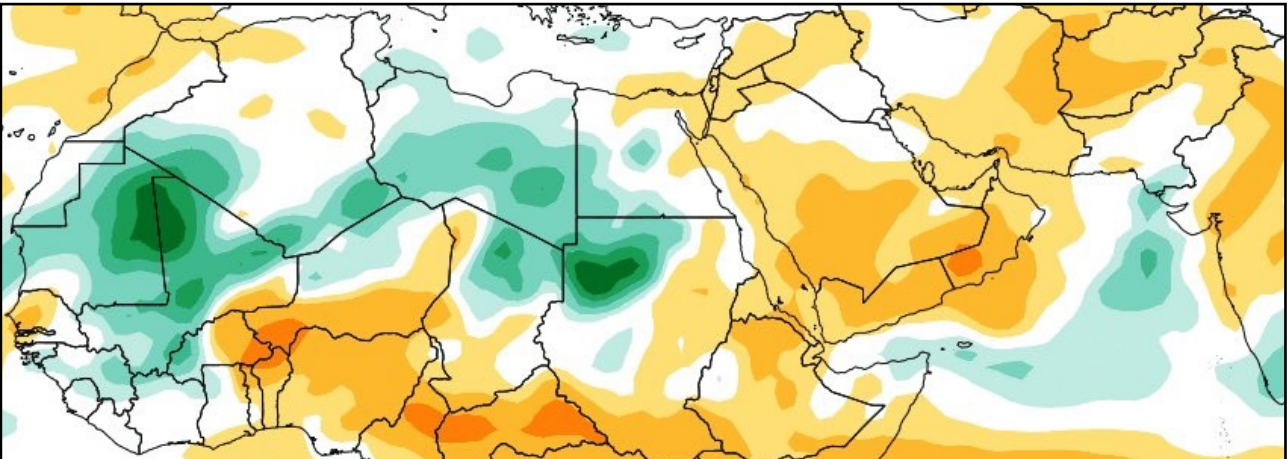
Subseasonal forecast multi-model precipitation (the next six weeks)



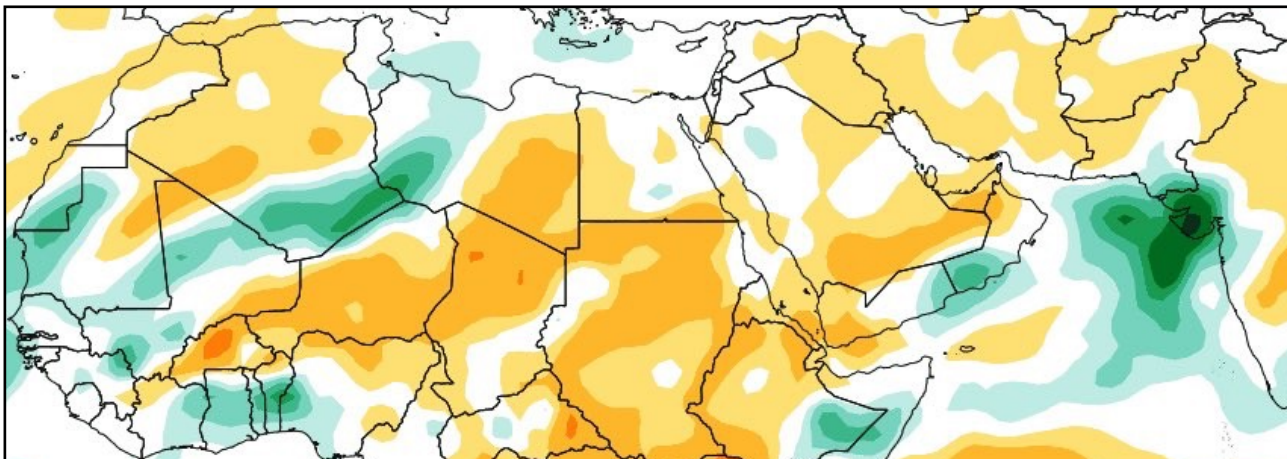
Seasonal forecast multi-model precipitation (November 2024 – April 2025)



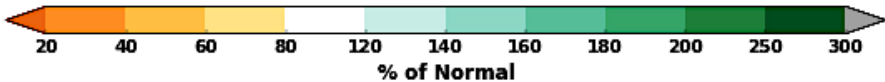
November



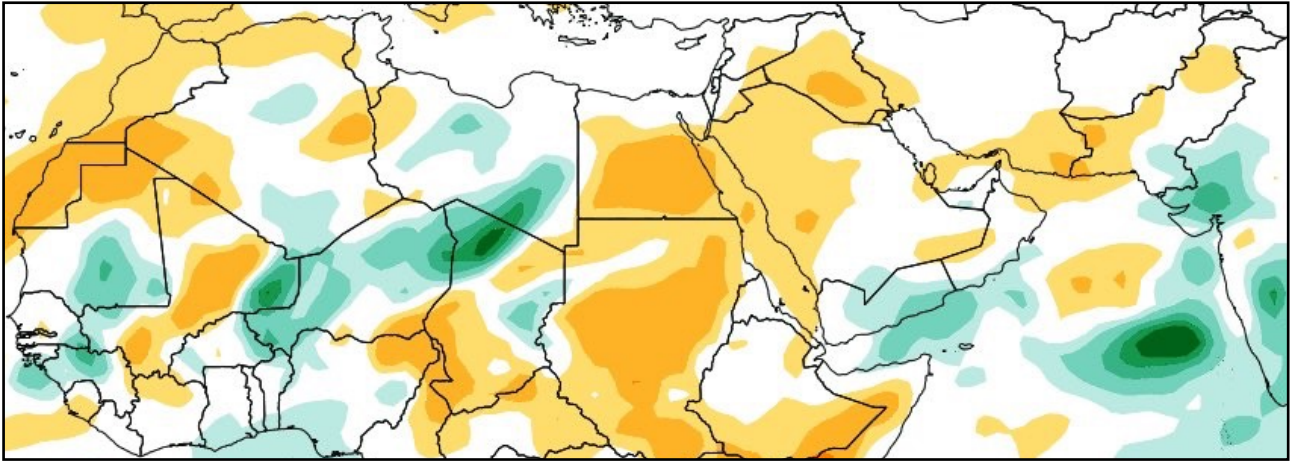
December 2024



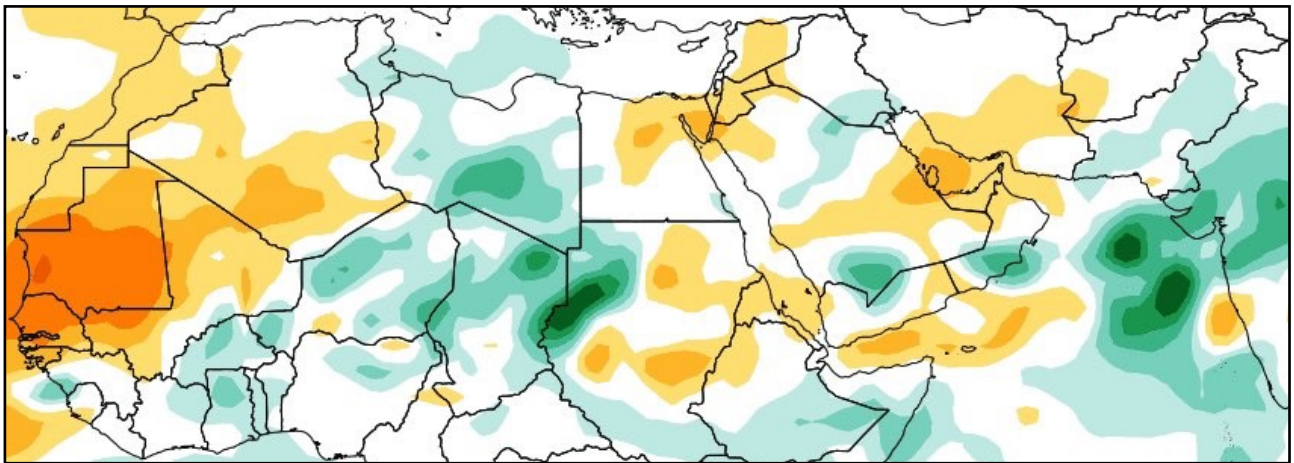
January 2025



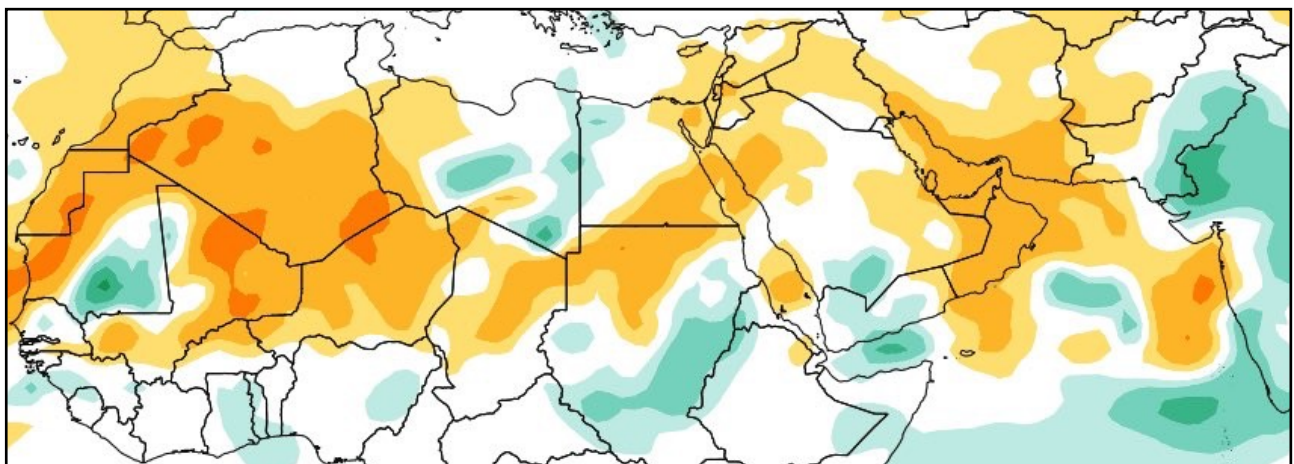
Seasonal forecast multi-model precipitation (continued)



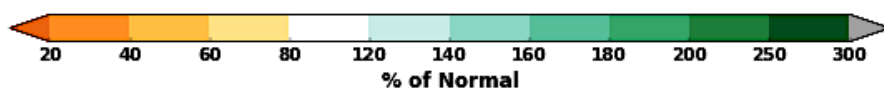
February 2025



March



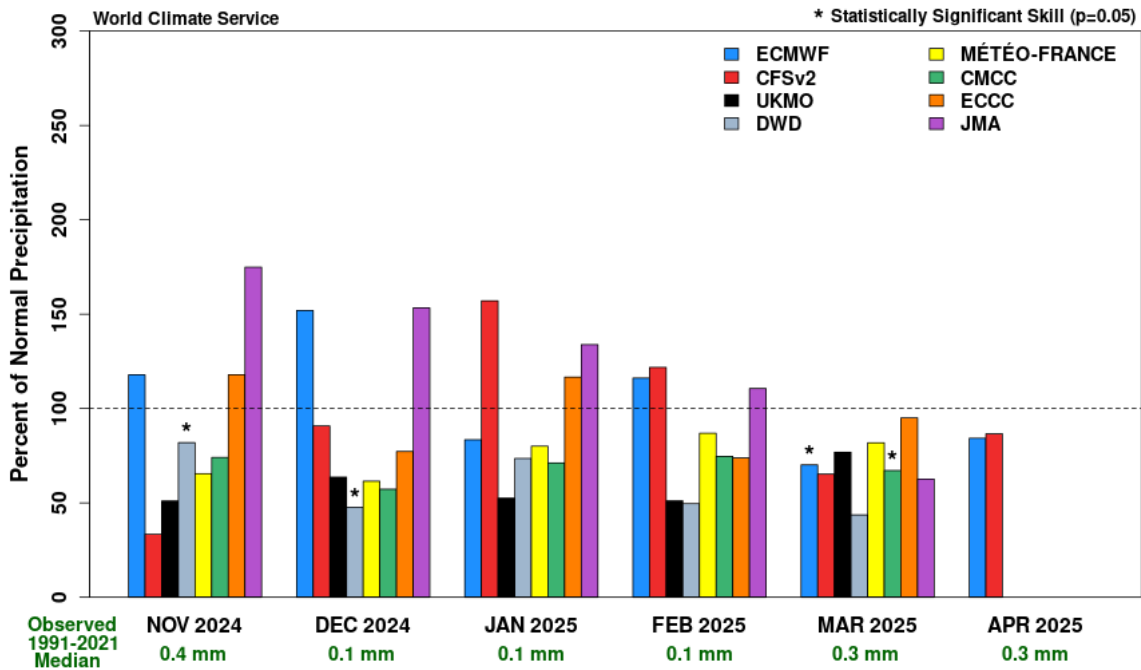
April 2025



Model forecast charts. The latest seasonal precipitation predictions provided by the World Climate Service (WCS) cover the spring, summer and winter breeding areas of the Desert Locust. This is one of the most sophisticated products available, derived from **eight** models: CFSv2, ECMWF, and Copernicus (CMCC, DWD, ECCC, JMA, Météo-France, UKMO). The results of each model are presented below.

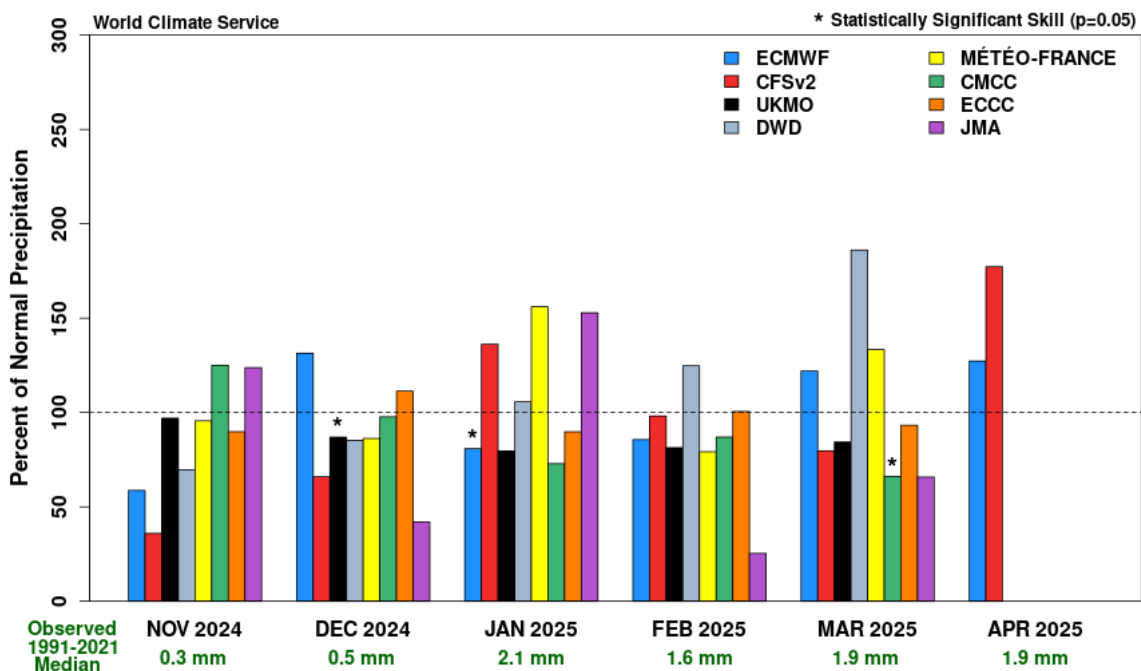
How to interpret the precipitation forecast charts. A value of 100 on the left axis indicates normal rainfall; values less than 100 indicate drier than normal conditions; more than 100 indicates wetter than normal. Little variation between models suggests greater confidence and reliability. An asterisk indicates the most reliable model in each month. When available, the historically best model during the entire forecast period in the region is indicated in the caption.

**Precipitation Forecast
Summer Breeding Region (Western)
Models Initialized October 2024**



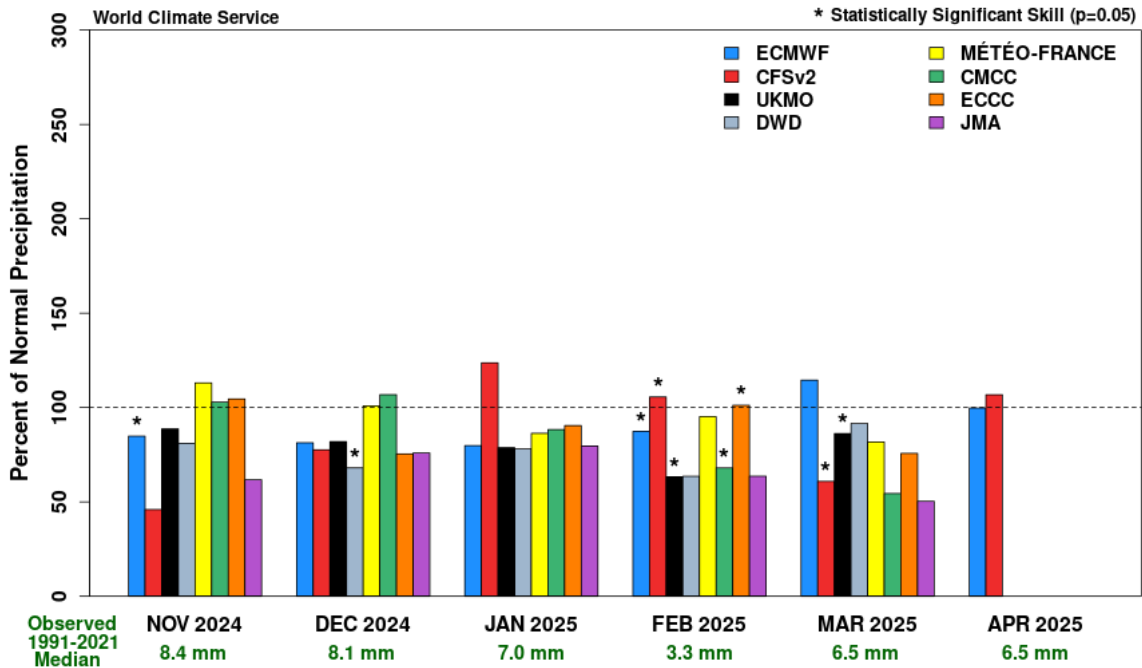
Summer breeding, November (Sahel of W Africa to Sudan/Eritrea)

**Precipitation Forecast
Summer Breeding Region (Eastern)
Models Initialized October 2024**



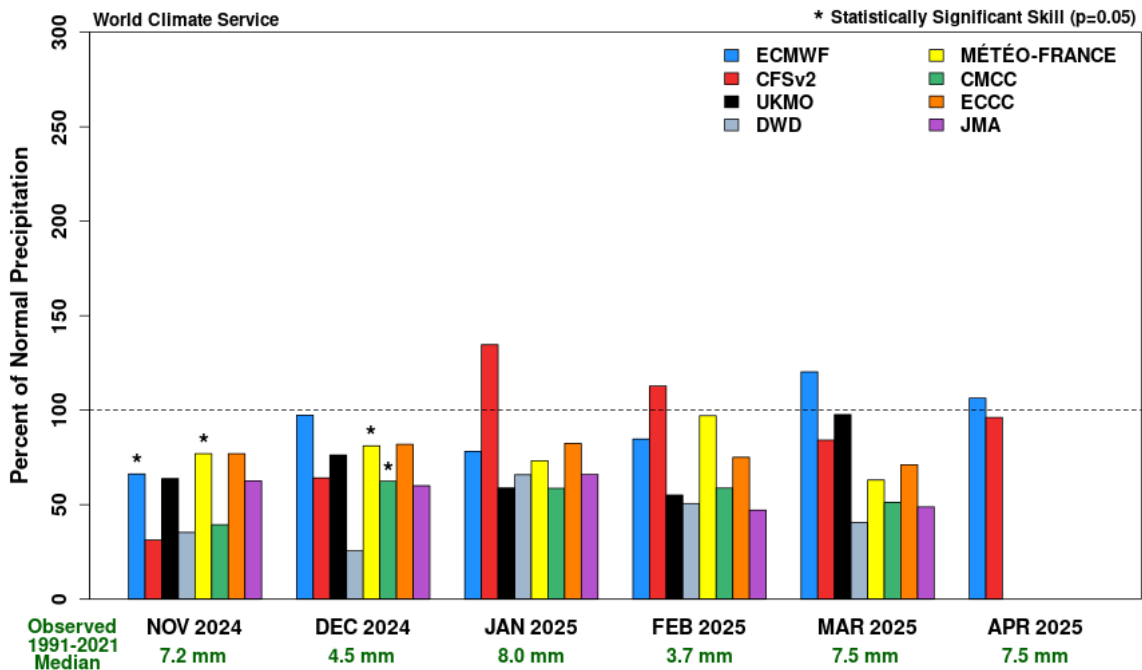
Summer breeding, November (India/Pakistan)

**Precipitation Forecast
Winter Breeding Region
Models Initialized October 2024**



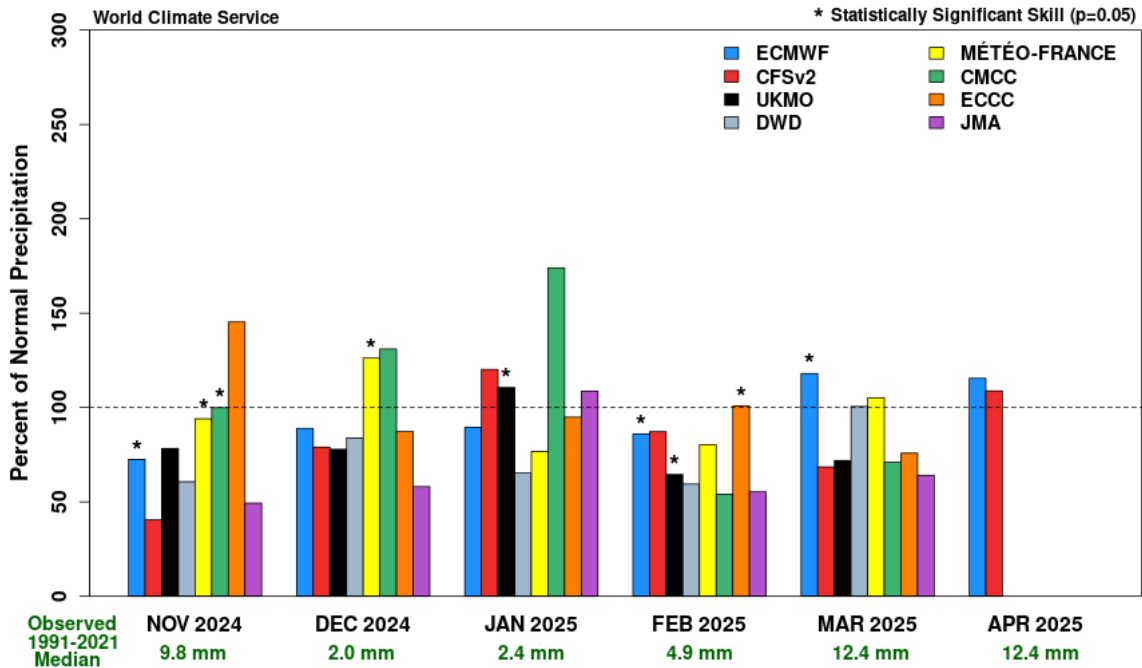
Winter breeding, November–March (Red Sea / Gulf of Aden)

**Precipitation Forecast
Spring Breeding Region (Central)
Models Initialized October 2024**



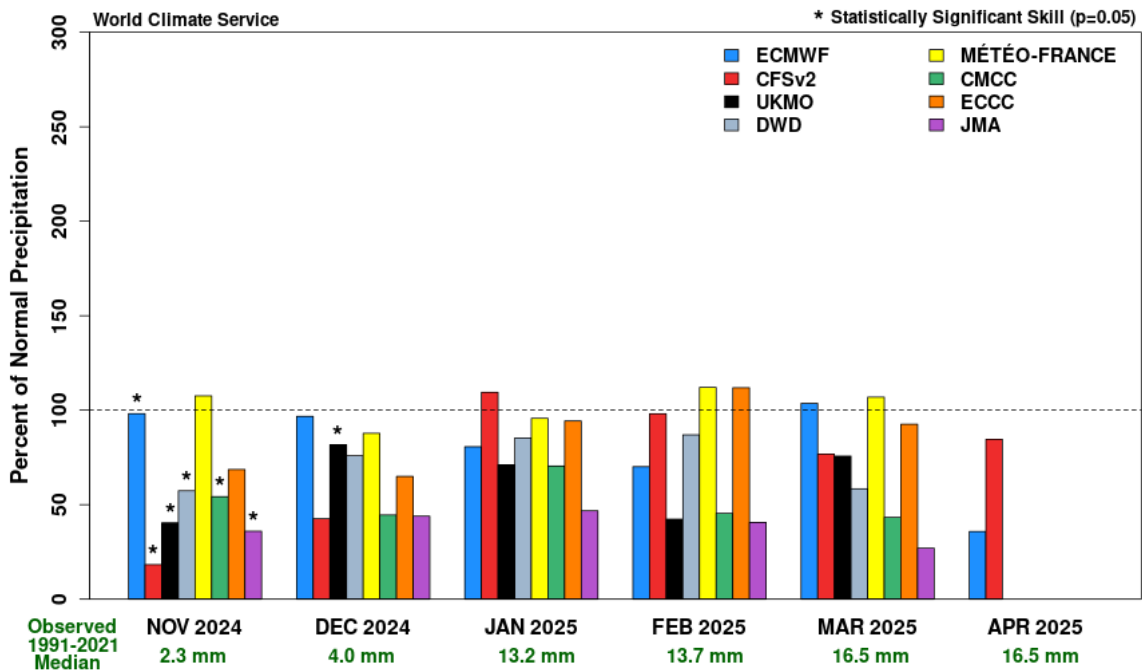
Spring breeding, March–April (Arabian Peninsula)

**Precipitation Forecast
Spring Breeding Region (Northeast Africa)
Models Initialized October 2024**



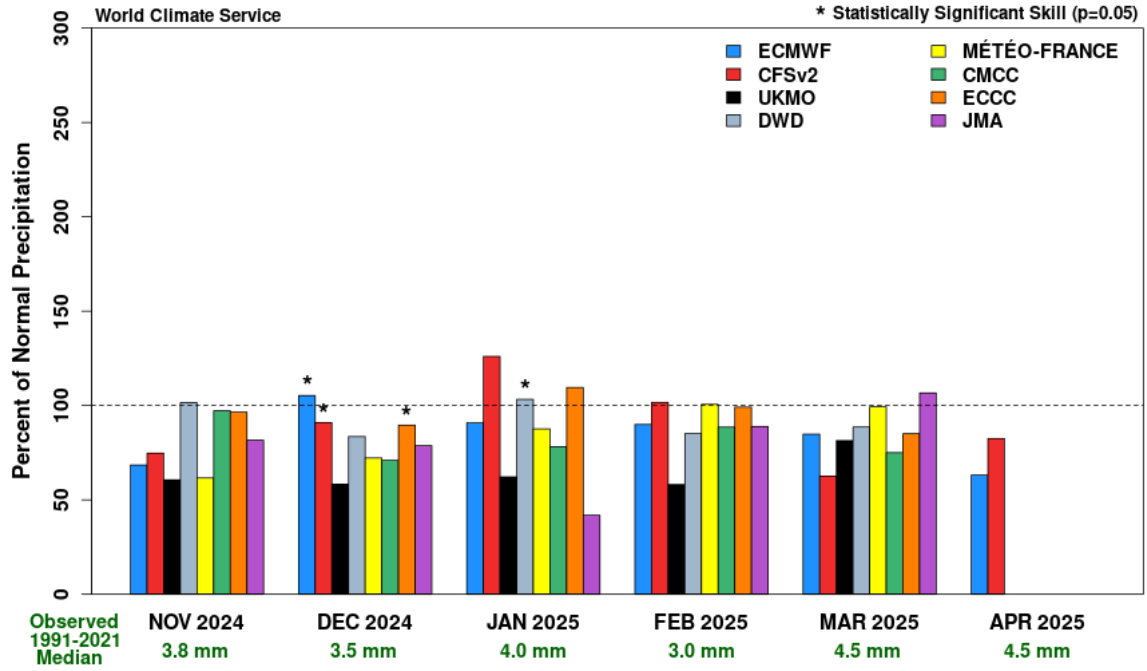
Spring breeding, March–April (Horn of Africa)

**Precipitation Forecast
Spring Breeding Region (Eastern)
Models Initialized October 2024**



Spring breeding, March–April (SE Iran / SW Pakistan)

Precipitation Forecast
Spring Breeding Region (Western)
Models Initialized October 2024



Spring breeding, March–April (NW Africa)

Weather and breeding forecast summary

Western Region

Subseasonal outlook (October–November)

- Below-normal rains in northern Sahel

Six-month seasonal outlook (December/March–April)

- December: perhaps above-normal rains in parts of the northern Sahel
- Spring: below-normal rains in northwest Africa during March and April

Breeding outlook

- Very few small-scale breeding during the spring in northwest Africa

Central Region

Subseasonal outlook (October–November)

- Last dekad of October and first half of November: above-normal rains in eastern Sudan and the Red Sea coast of Eritrea, Yemen, and southern Saudi Arabia

Six-month seasonal outlook (December–April)

- Winter: below-normal rains in the Red Sea and Gulf of Aden coasts
- Spring: normal to slightly above normal rains in Saudi Arabia (March) and Yemen (April) in the interior

Breeding outlook

- Only small-scale breeding during the winter and spring

Eastern Region

Subseasonal outlook (October–November)

- Indo-Pakistan border: no rain expected as southwest monsoon withdraws this year

Six-month seasonal outlook (March–April)

- Spring: normal to below-normal rainfall in southeast Iran and southwest Pakistan

Breeding outlook

- Very little, if any, breeding during the spring in southeast Iran and southwest Pakistan