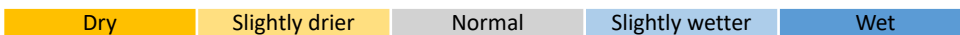


**Seasonal precipitation predictions in the Desert Locust winter/spring breeding areas
(December 2024 – May 2025)**

Subseasonal dynamical models project normal to above-normal rainfall from the central Red Sea coast to the Gulf of Aden through the end of the year, particularly during the last week of November. Seasonal models suggest that a La Niña-like dry pattern will dominate much of northern Africa and the Middle East in the coming months. This pattern is anticipated to result in below-average rainfall across the Central Region during the winter and spring seasons, except for normal precipitation along the southern Red Sea coast from Sudan and Eritrea to Yemen and northwest Somalia in January. Consequently, only limited-scale breeding is expected in the Central Region during winter. In northwestern Africa, above-normal rainfall and small-scale breeding may occur during the spring, particularly in April.

PRECIPITATION ANOMALY	Dec	Jan	Feb	Mar	Apr	May
Algeria (central/south)			Wet	Slightly wetter		
Chad						
Djibouti						
Egypt (SE Red Sea–winter, Nile–summer)	Wet				Slightly wetter	
Eritrea (western–summer, coastal–winter)						
Ethiopia (Somali–spring, Afar–summer)						
India (Rajasthan, Gujarat)						
Iran (south–spring)			Slightly drier			
Libya (southwest–spring)						
Mali (northeast)						
Mauritania (south–summer, NW–autumn)	Wet					
Morocco (W Sahara–autumn, Atlas–spring)	Wet		Wet		Slightly wetter	
Niger (Tamesna, Air)						
Oman (spring)					Slightly drier	
Pakistan (southwest–spring, east–summer)			Slightly drier			
Saudi Arabia (Red Sea, interior–spring)	Wet					
Somalia (N coast–winter, N interior–spring)	Wet					
Sudan (interior–summer, coastal–winter)	Slightly drier					
Yemen (interior–summer, coastal–winter)	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, rainfall is typically absent during winter along the northern Sahel and the Sahara. However, some rainfall may occur in parts of northwestern Mauritania in January and February. In spring, the models indicate above-normal rainfall in central and southern Algeria and western Libya during March, with increased rainfall south of the Atlas Mountains in Morocco in April. Despite this, only very limited small-scale breeding is anticipated in the spring.

Central Region

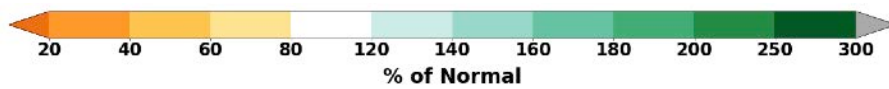
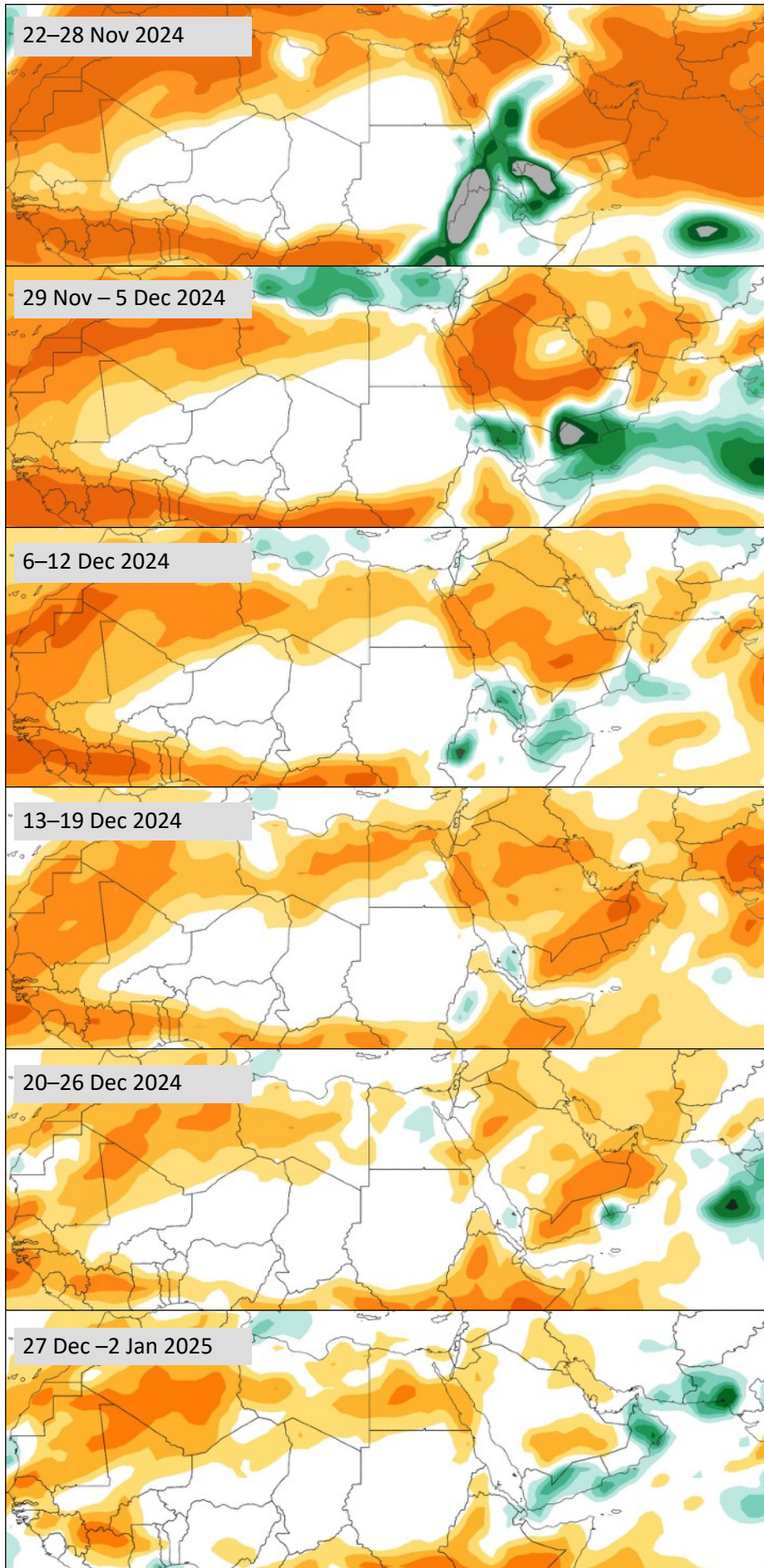
According to the subseasonal models, above-normal rains is expected to occur from the central Red Sea coast of southern Sudan, Eritrea and Yemen to the Gulf of Aden, particularly during the last week of November, until the end of the year.

Seasonal models for the next six months indicate that below-normal rainfall will persist in winter breeding areas along the Red Sea and Gulf of Aden coasts, consistent with last month's projections. However, normal rainfall is expected along the southern Red Sea coast from Sudan, Eritrea and Yemen to northwest Somalia during January. In spring, below-normal rainfall is forecast for interior regions of Saudi Arabia, Yemen, and Sudan. As a result, only limited small-scale breeding is expected in the Central Region during winter, with minimal breeding anticipated in the spring.

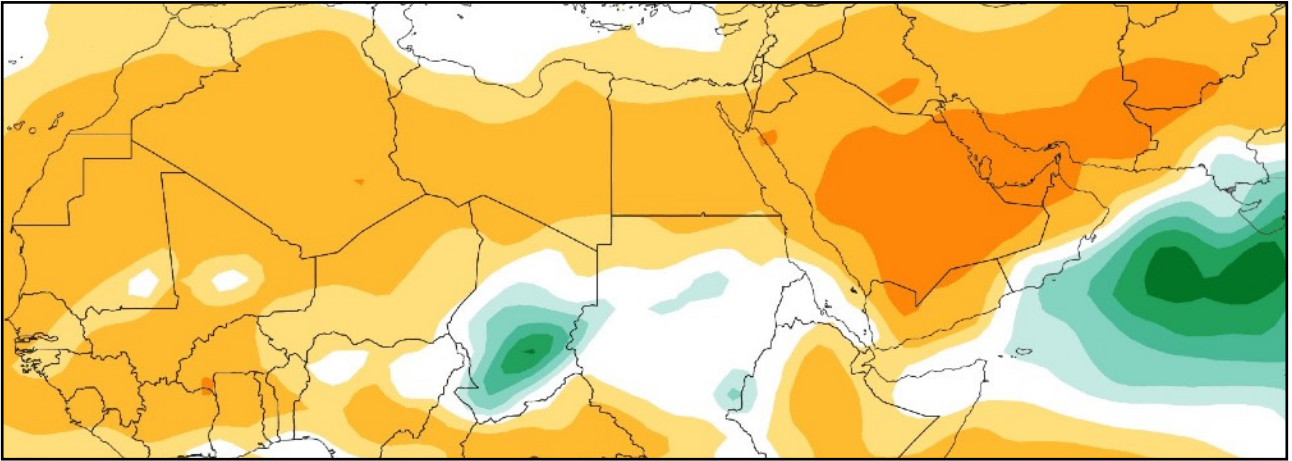
Eastern Region

Seasonal models for the next six months predict below-normal rainfall across southeastern Iran and southwestern Pakistan during the spring season from March to May. The only exception could be normal rainfall in southwestern Pakistan during April. As a result, very little to no breeding is expected.

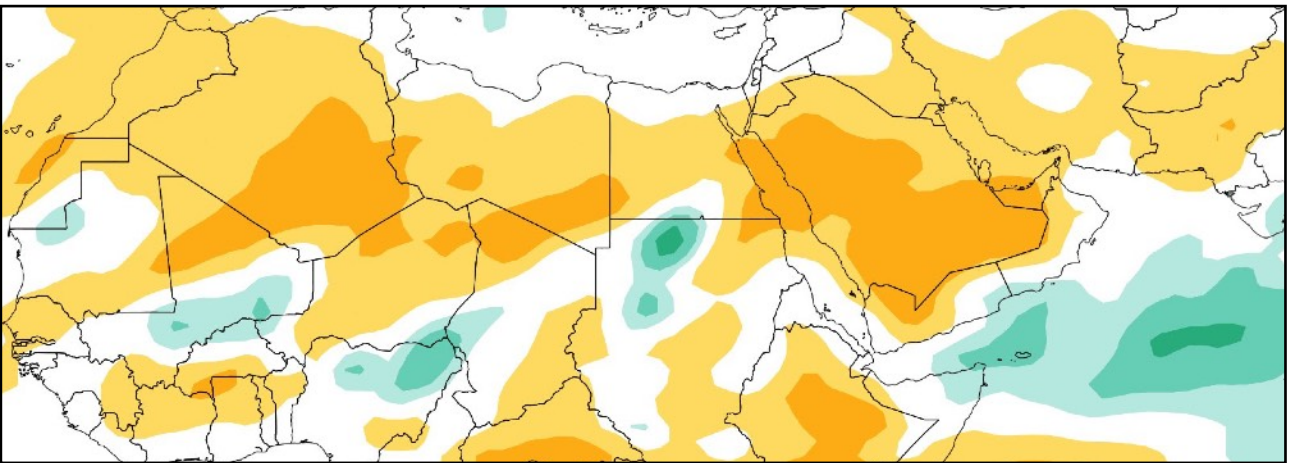
Subseasonal forecast multi-model precipitation (the next six weeks)



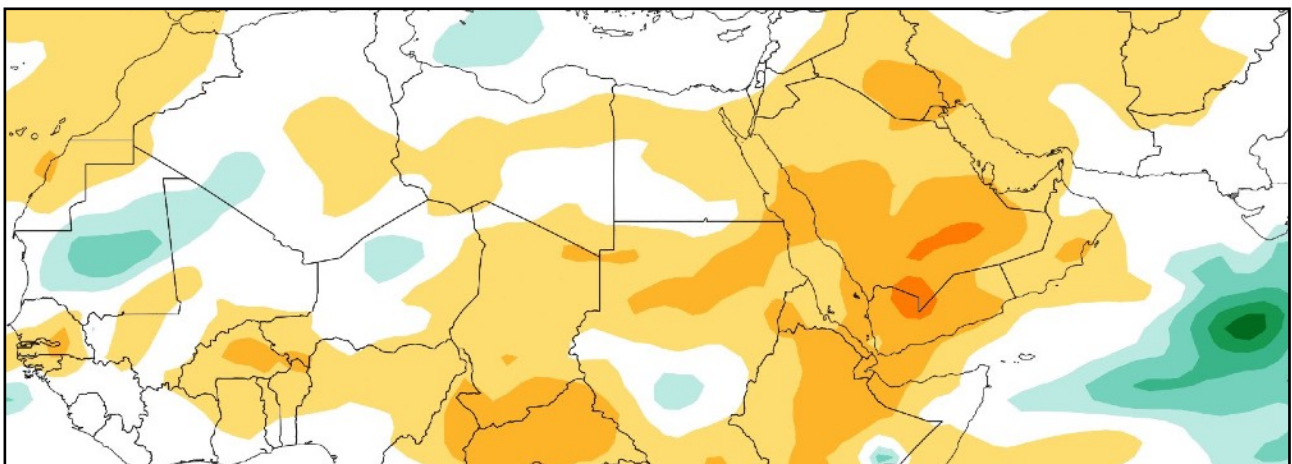
Seasonal forecast multi-model precipitation (December 2024 – May 2025)



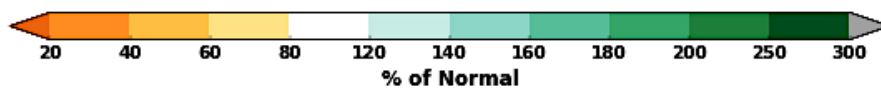
December 2024



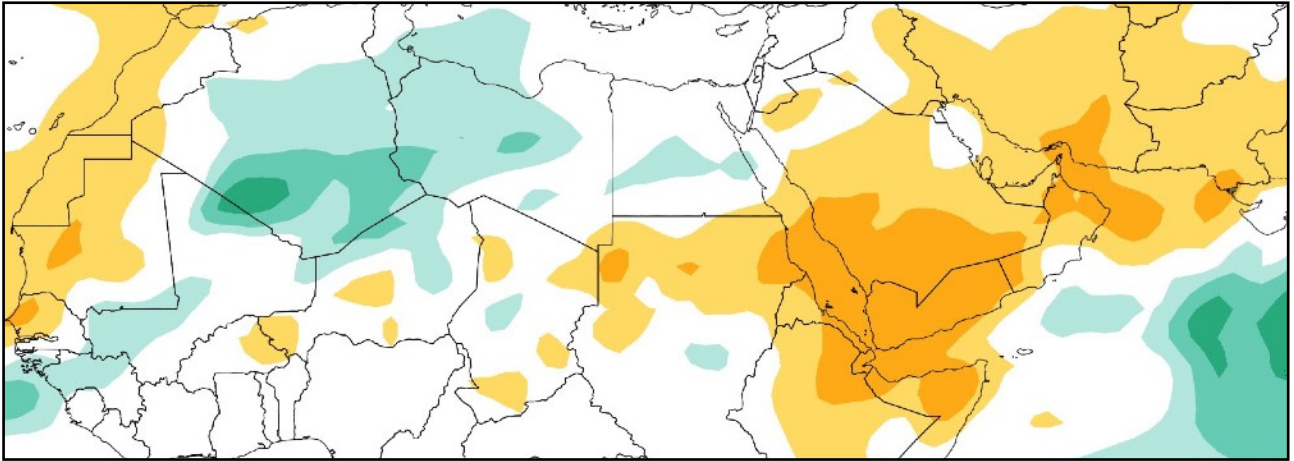
January 2025



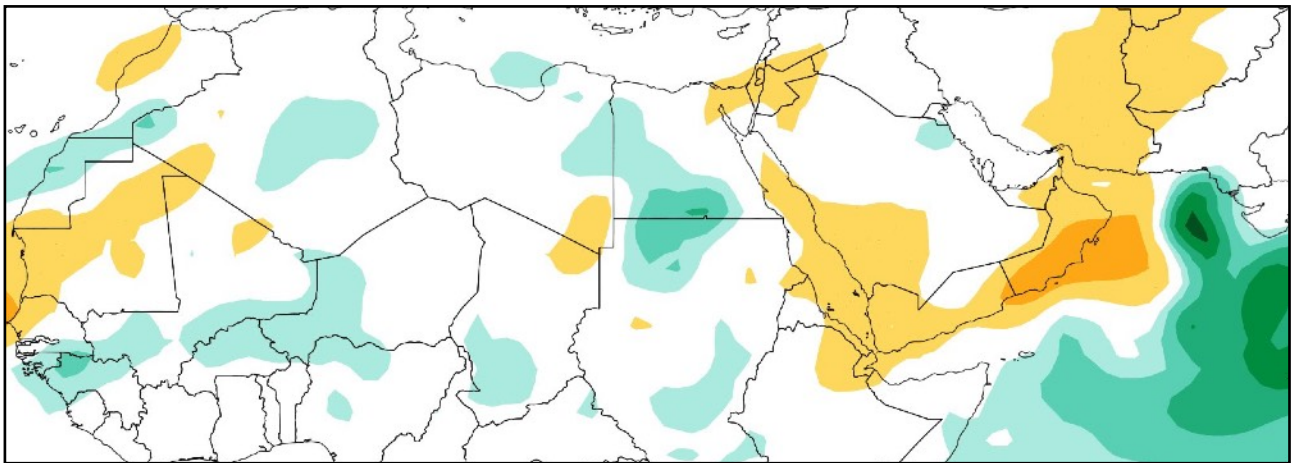
February



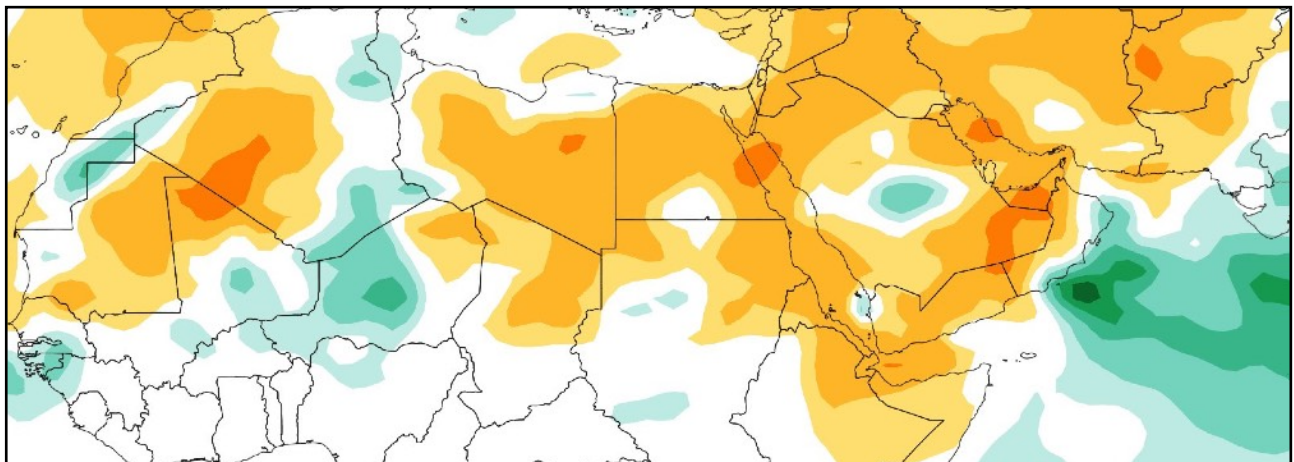
Seasonal forecast multi-model precipitation (continued)



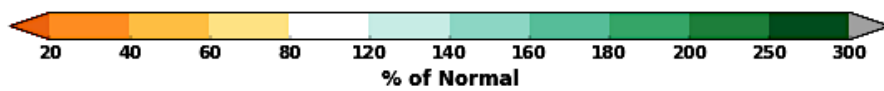
March 2025



April 2025



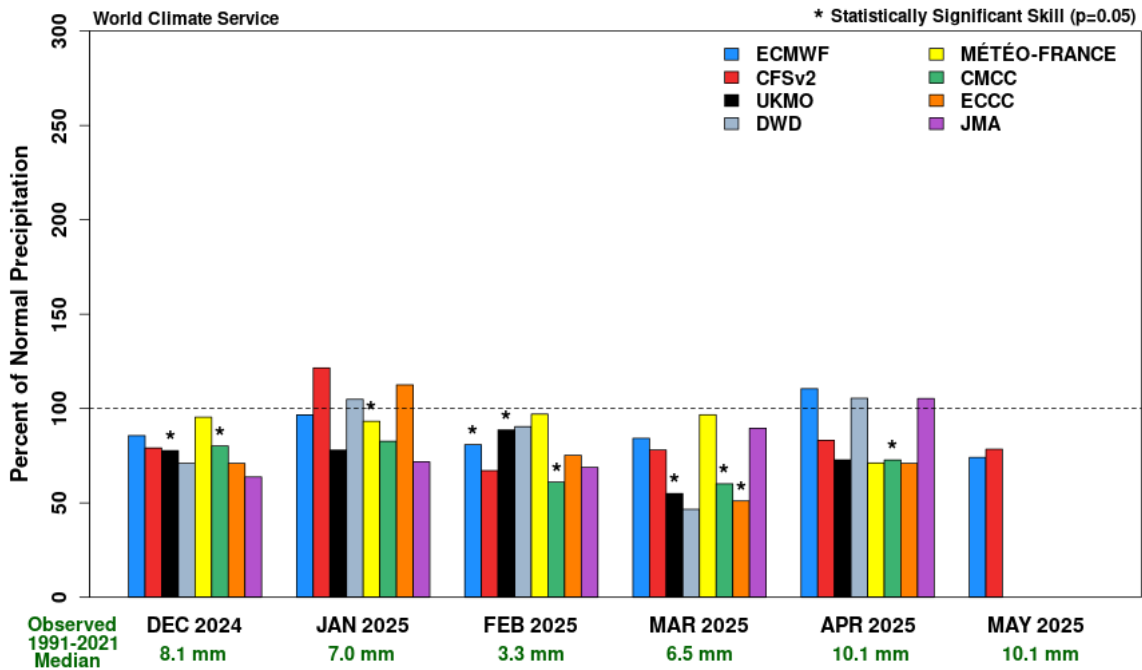
May 2025



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, ECCS, JMA, Météo-France, UKMO). The results of each model are presented below.

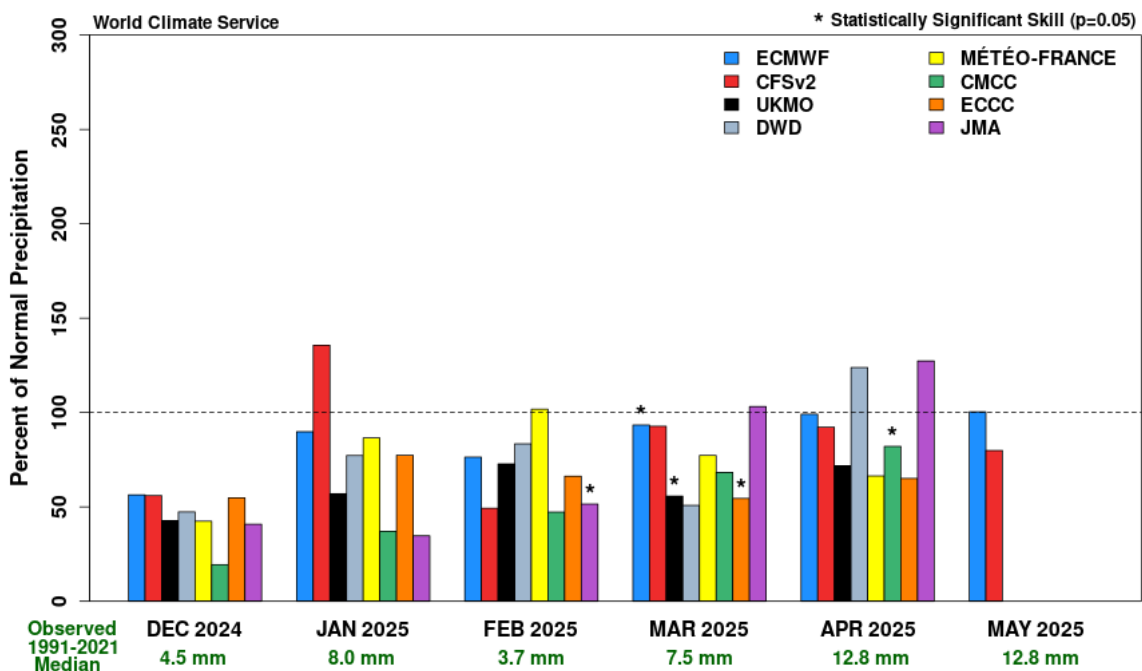
How to interpret the precipitation forecast charts. A value of 100 on the left axis indicates normal rainfall; values less than 100 indicate drier than normal conditions; more than 100 indicates wetter than normal. Little variation between models suggests greater confidence and reliability. An asterisk 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
Winter Breeding Region
Models Initialized November 2024**



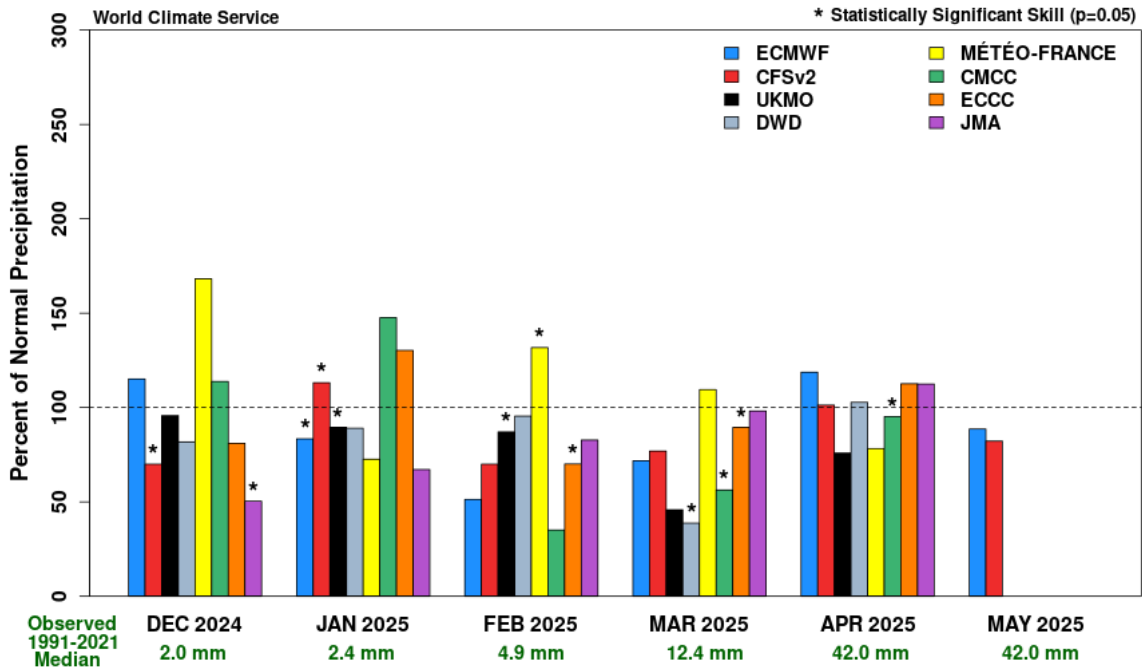
Winter breeding, December–March (Red Sea / Gulf of Aden)

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



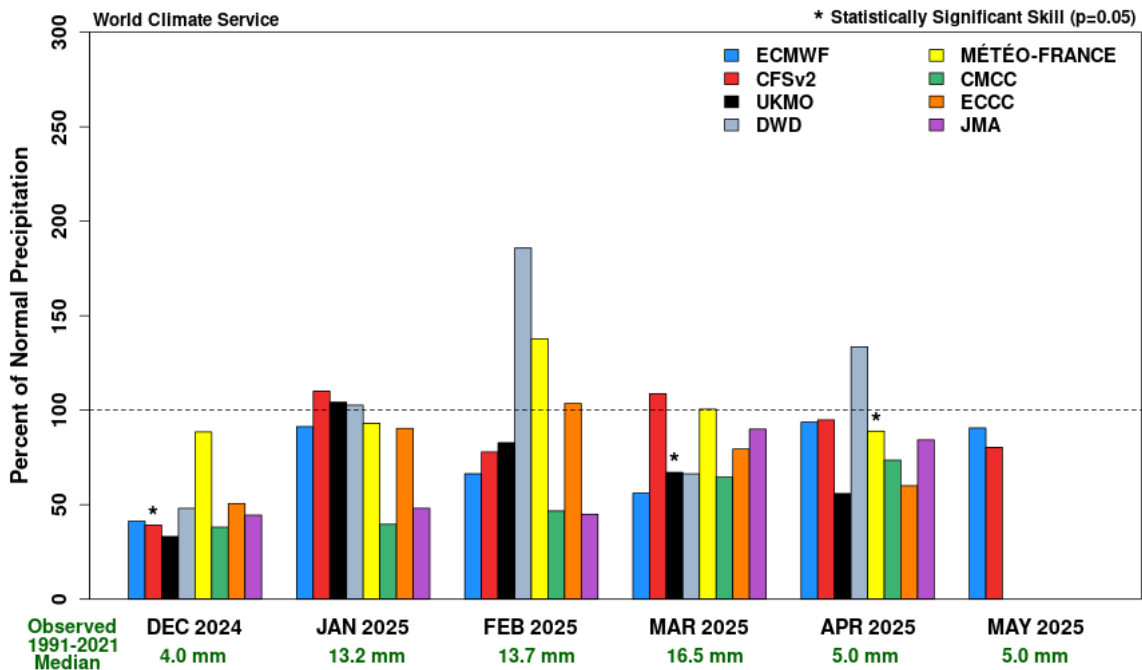
Spring breeding, March–May (Arabian Peninsula)

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



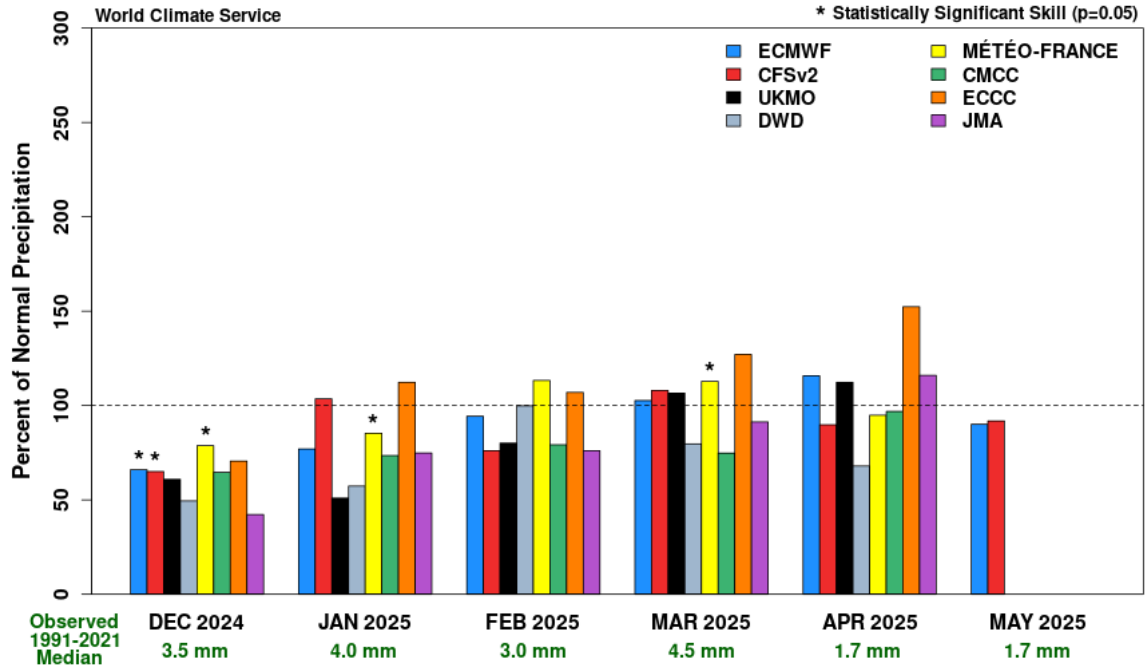
Spring breeding, March–May (Horn of Africa)

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



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

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



Spring breeding, March–May (NW Africa)

Weather and breeding forecast summary

Western Region

Subseasonal outlook (November–December)

- Below-normal rains in northern Sahel

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

- January–February: perhaps some rainfall in parts of northwestern Mauritania
- Spring: above-normal rains in northwest Africa during March and April

Breeding outlook

- Very limited breeding during the spring in northwest Africa

Central Region

Subseasonal outlook (November–December)

- Last dekad of November and December: above-normal rains in central and southern Red Sea coast and Gulf of Aden from southern Sudan to Yemen and northwest Somalia

Six-month seasonal outlook (December–May)

- Winter: below-normal rains in the Red Sea and Gulf of Aden coasts, except in central and southern areas during January
- Spring: below-normal rains during the interior of Saudi Arabia, Yemen and Sudan

Breeding outlook

- Small-scale breeding during the winter; very limited breeding in the spring

Eastern Region

Six-month seasonal outlook (March–May)

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

Breeding outlook

- Very little to no breeding during the spring in southeast Iran and southwest Pakistan