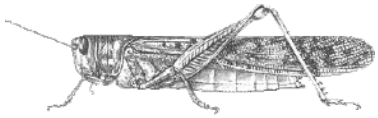
Food and Agriculture Organization of the United Nations



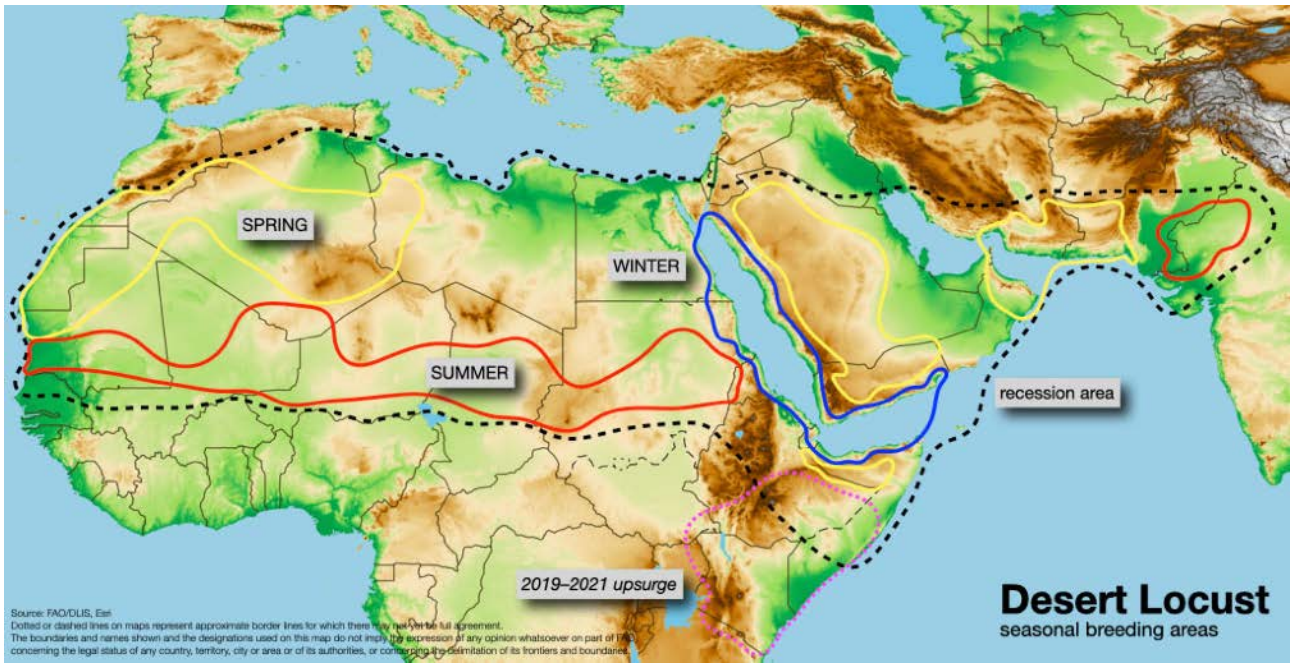
15 March 2024

Seasonal precipitation predictions in the Desert Locust spring/summer breeding areas (April – September 2024)

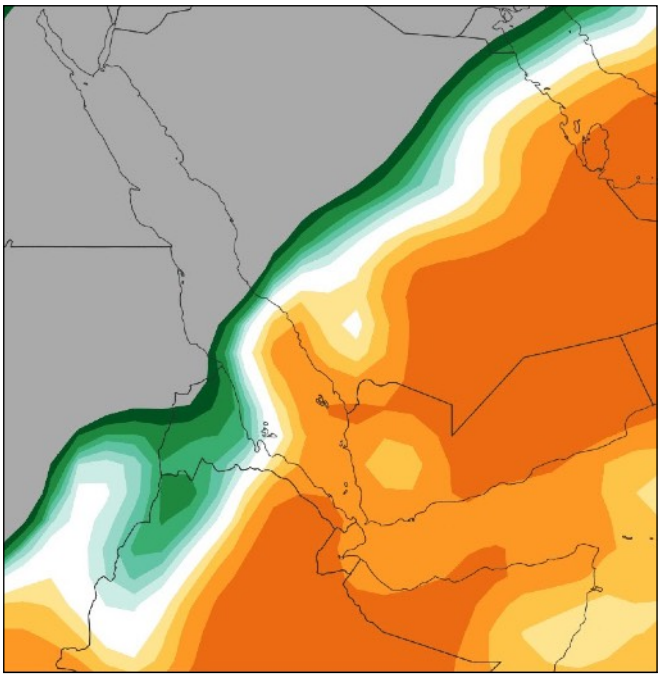
The latest models suggest that widespread above-normal rainfall could occur during the spring in the interior of Saudi Arabia, the Yemen Gulf of Aden and interior, the coast and interior of Oman, southeast Iran and southwest Pakistan, and perhaps the Nile Valley of northern Sudan and abnormal rains on the northern Red Sea coast of Saudi Arabia. The Gulf of Aden and the Arabian Sea may experience heightened cyclone activity in May and June. Summer from Sudan to Pakistan/India is expected to bring above-average rainfall and favourable breeding conditions. Western Africa experiences rain starting in July in Chad, followed by Niger, Mali and Mauritania in August and September

PRECIPITATION ANOMALY	Apr	May	Jun	Jul	Aug	Sep
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)						
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)						

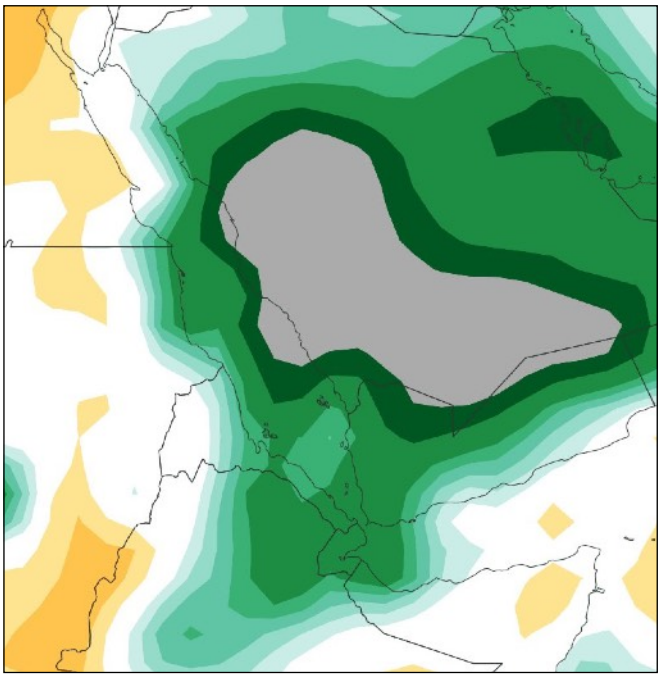
Dry | Slightly drier | Normal | Slightly wetter | Wet



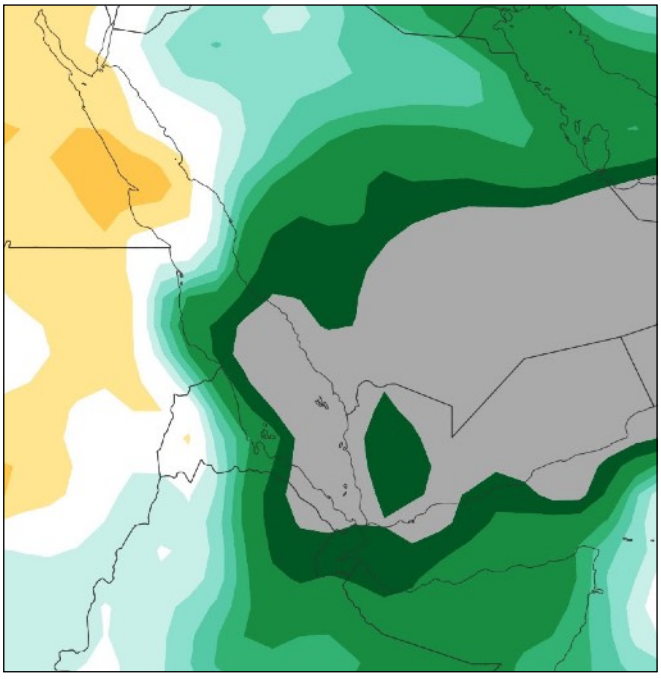
Subseasonal forecast multi-model precipitation – WCS maps (four weeks)



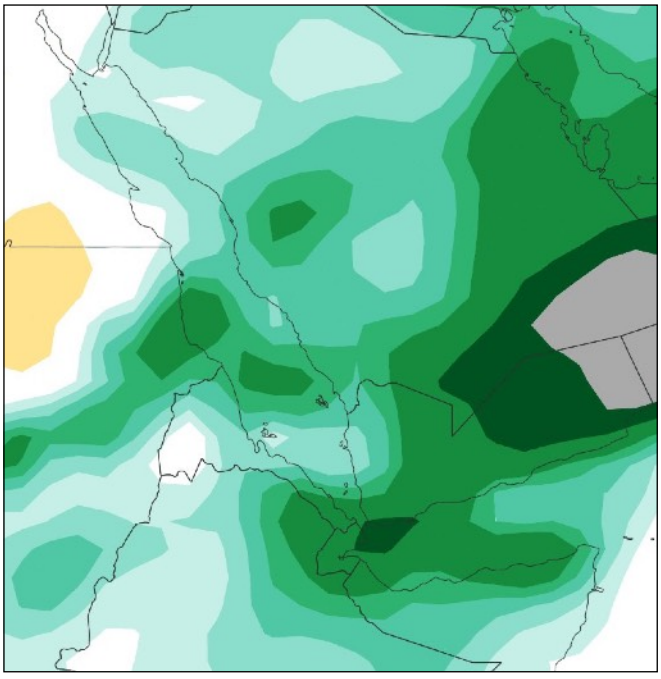
16–22 March 2024



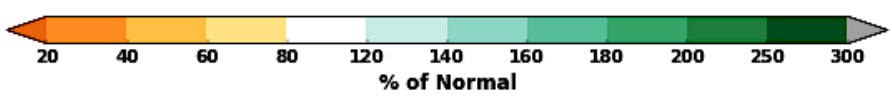
23–29 March 2024



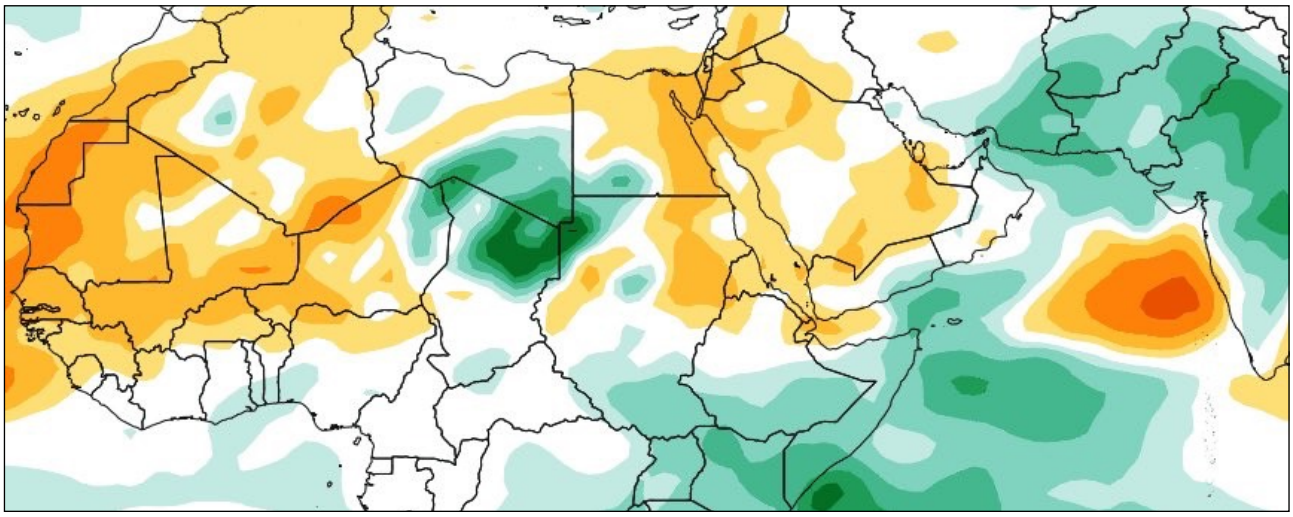
30 March – 5 April 2024



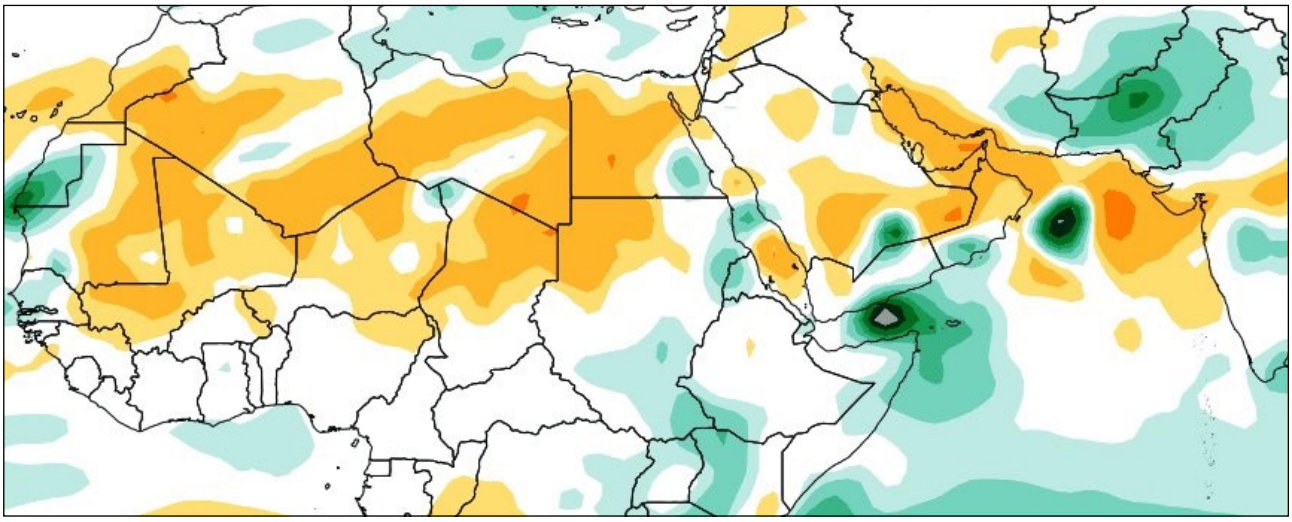
6–12 April 2024



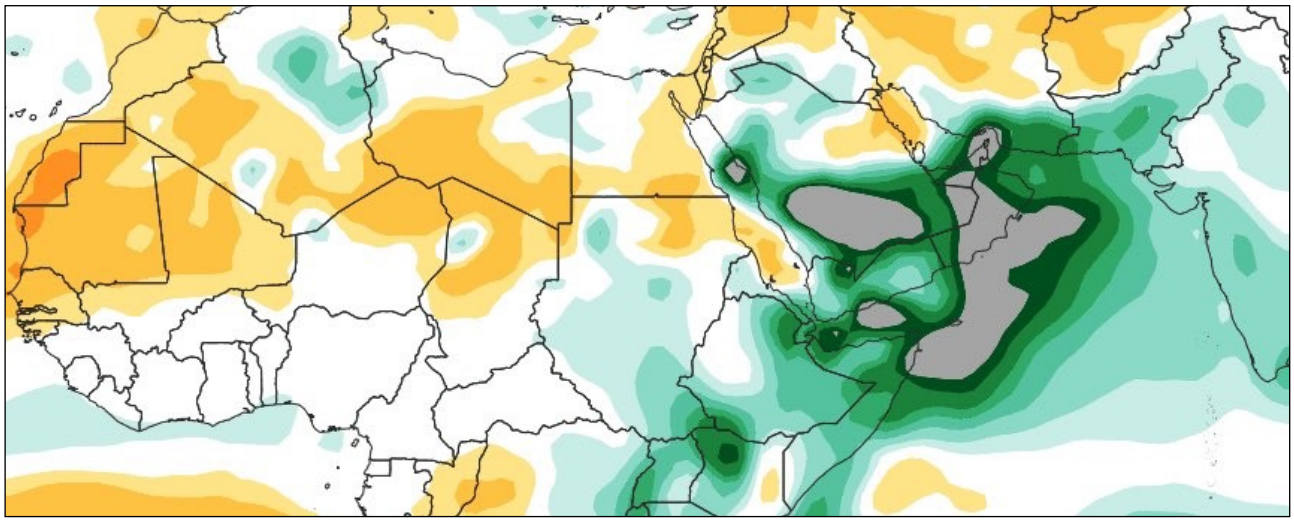
Seasonal forecast multi-model precipitation



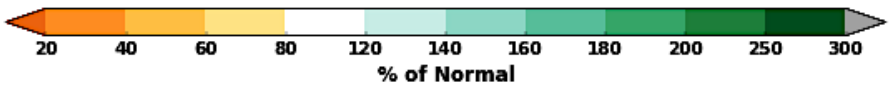
April 2024



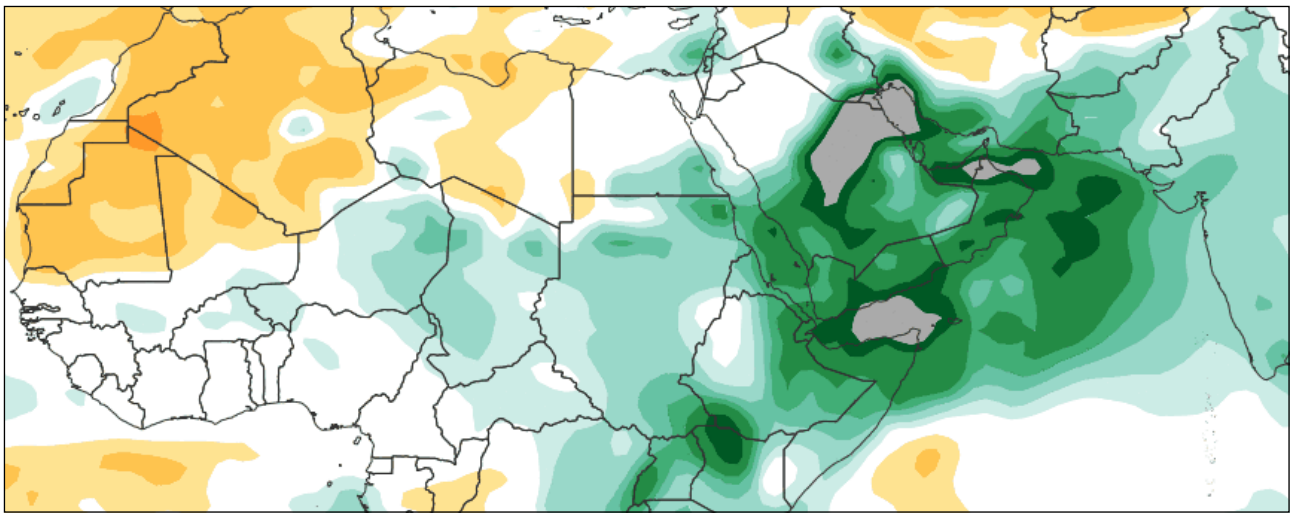
May 2024



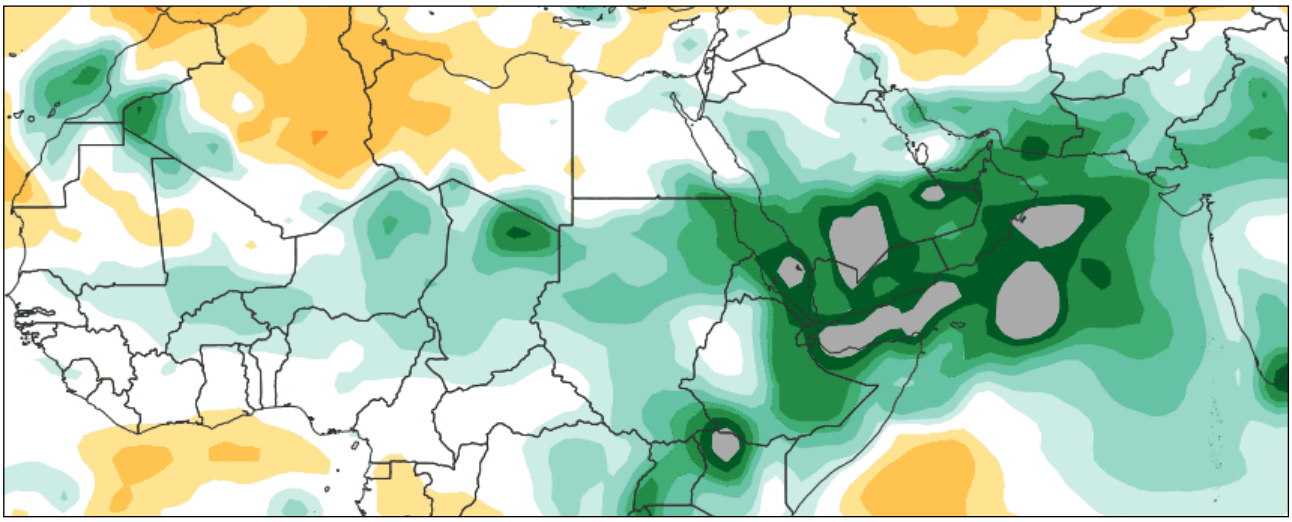
June 2024



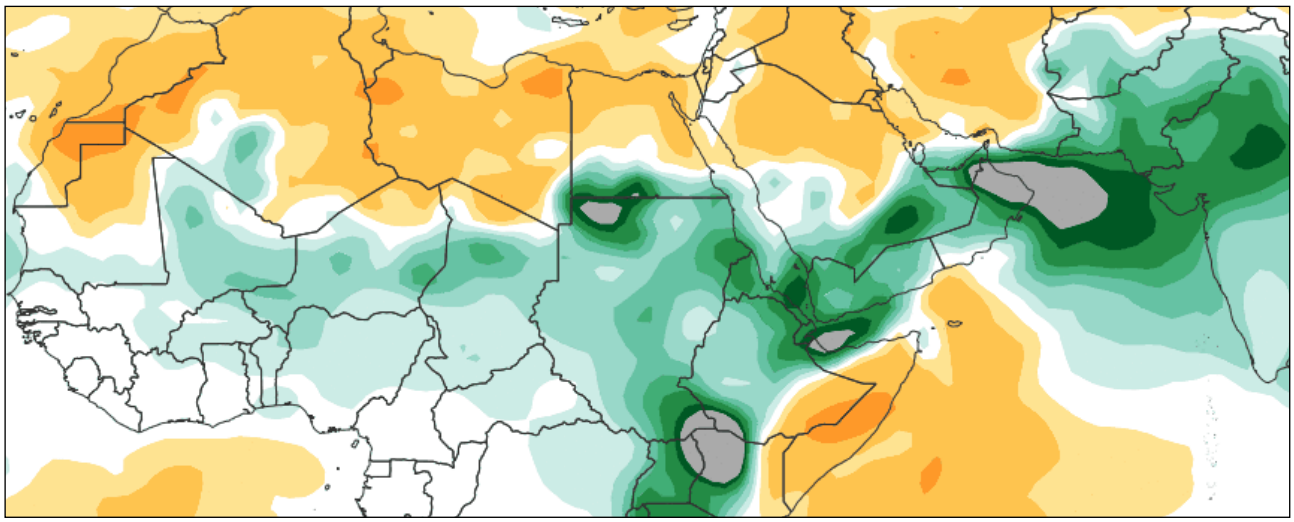
Seasonal forecast multi-model precipitation



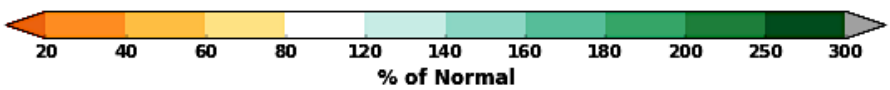
July 2024



August 2024

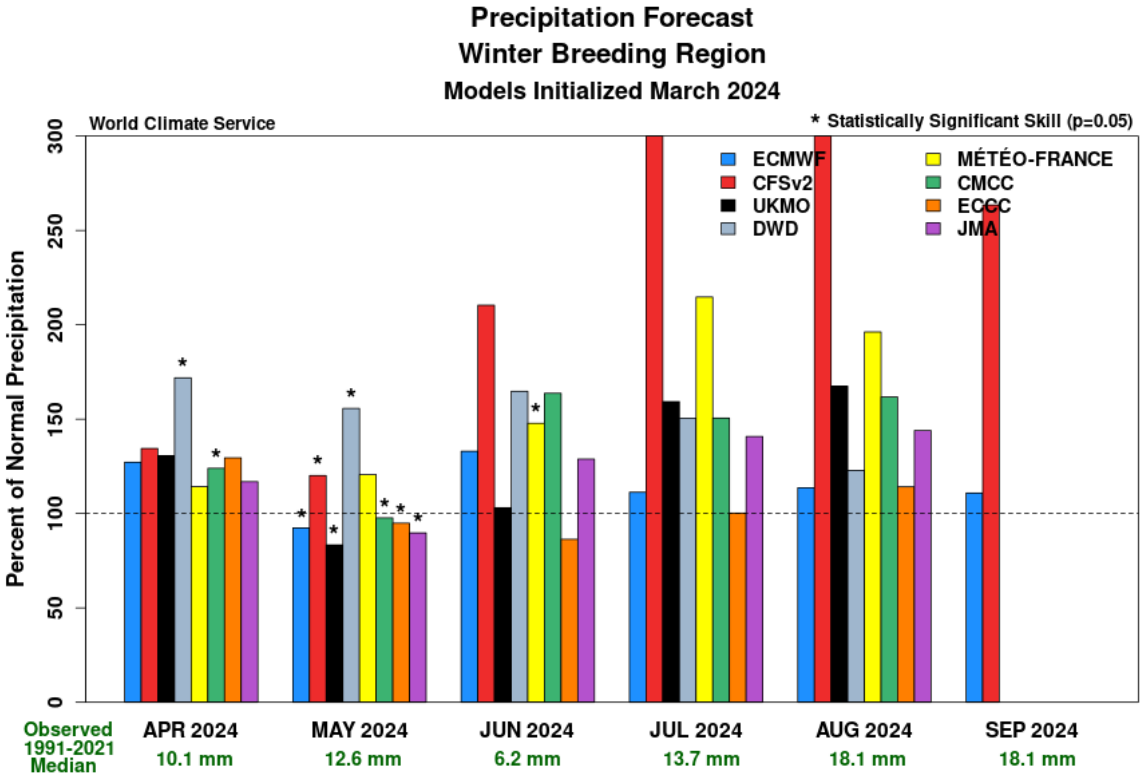


September 2024

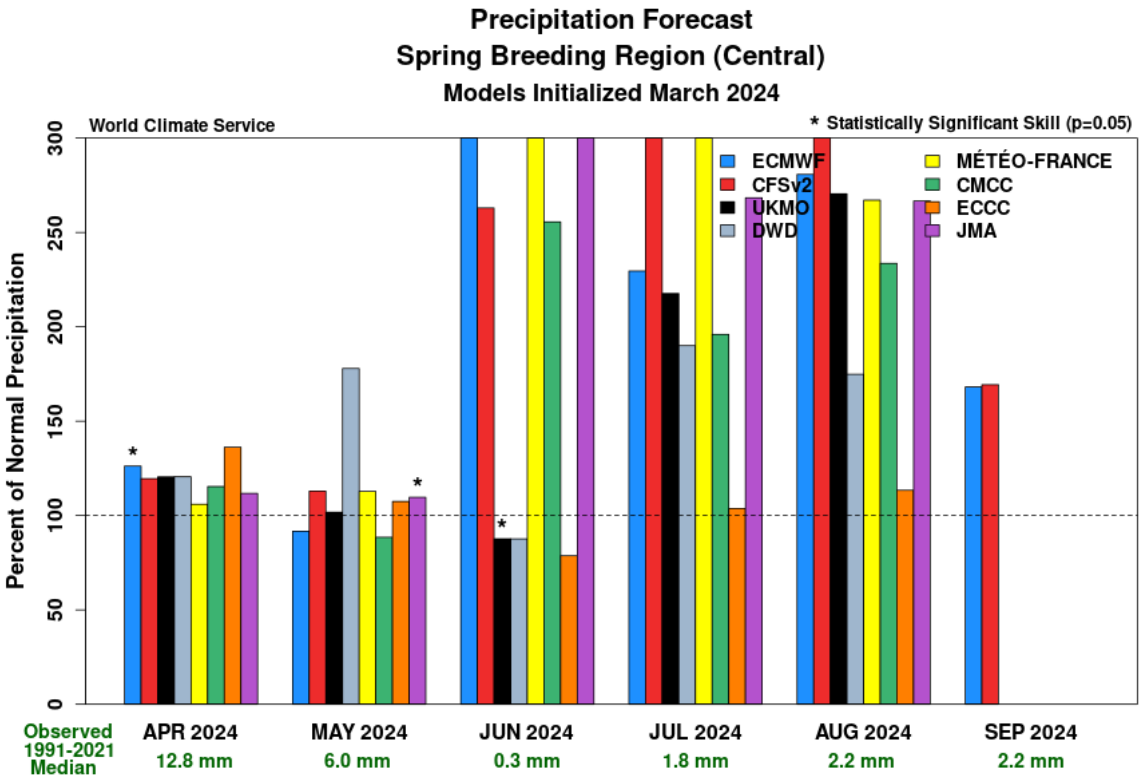


Model forecast charts. The latest seasonal precipitation predictions provided by the World Climate Service (WCS) cover the spring, summer and winter breeding areas of the Desert Locust. This is one of the most sophisticated products available, derived from **eight** models: CFSv2, ECMWF, and Copernicus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

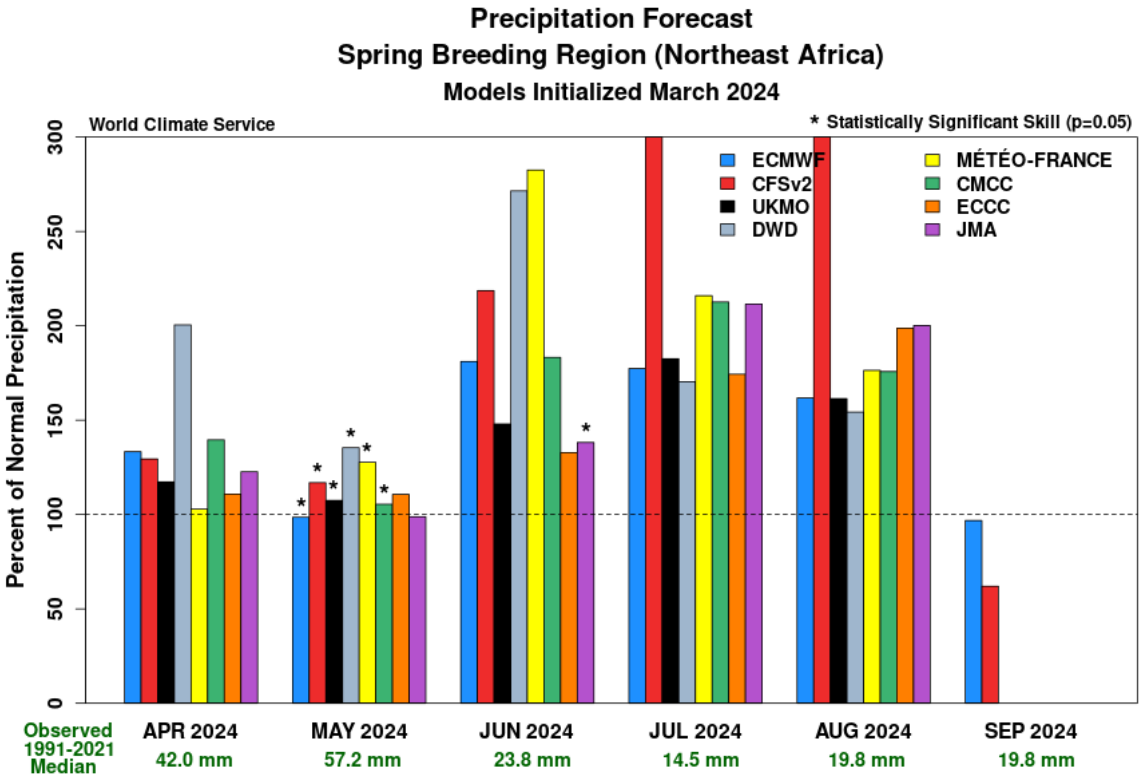
How to interpret the precipitation forecast charts. A value of 100 on the left axis indicates normal rainfall; values less than 100 indicate drier than normal conditions; more than 100 indicates wetter than normal. Little variation between models suggests greater confidence and reliability. An asterisk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



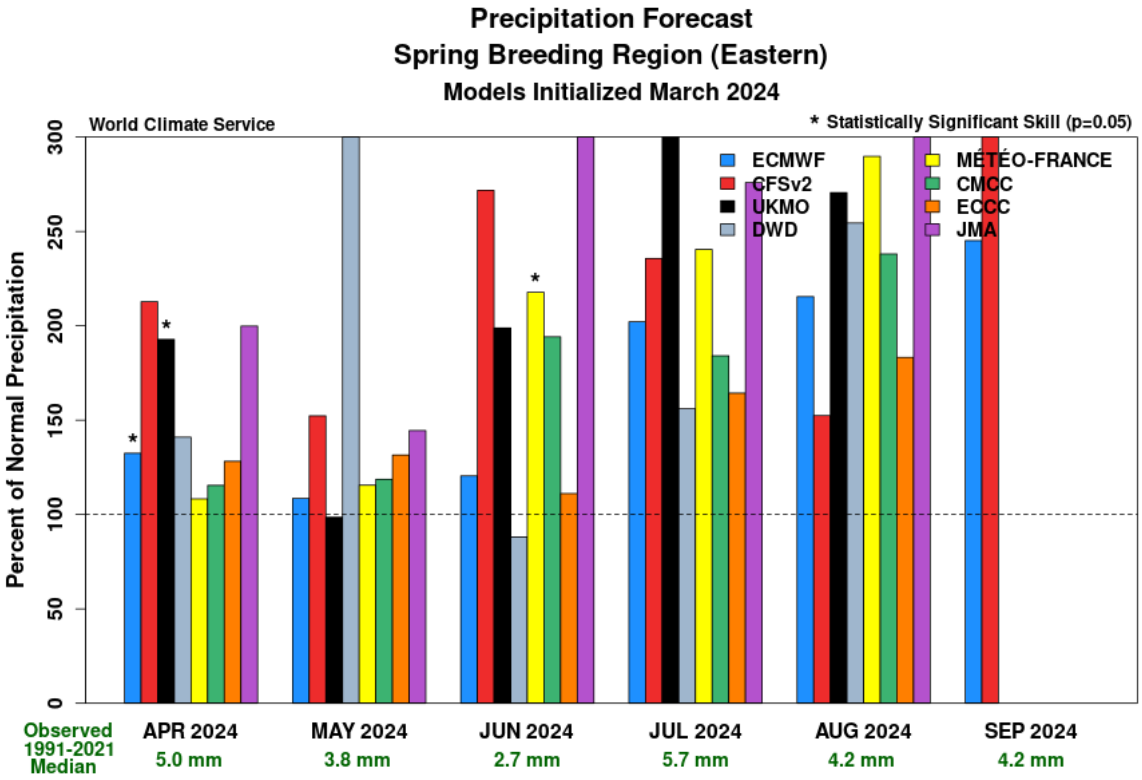
Winter breeding, April (Red Sea / Gulf of Aden)



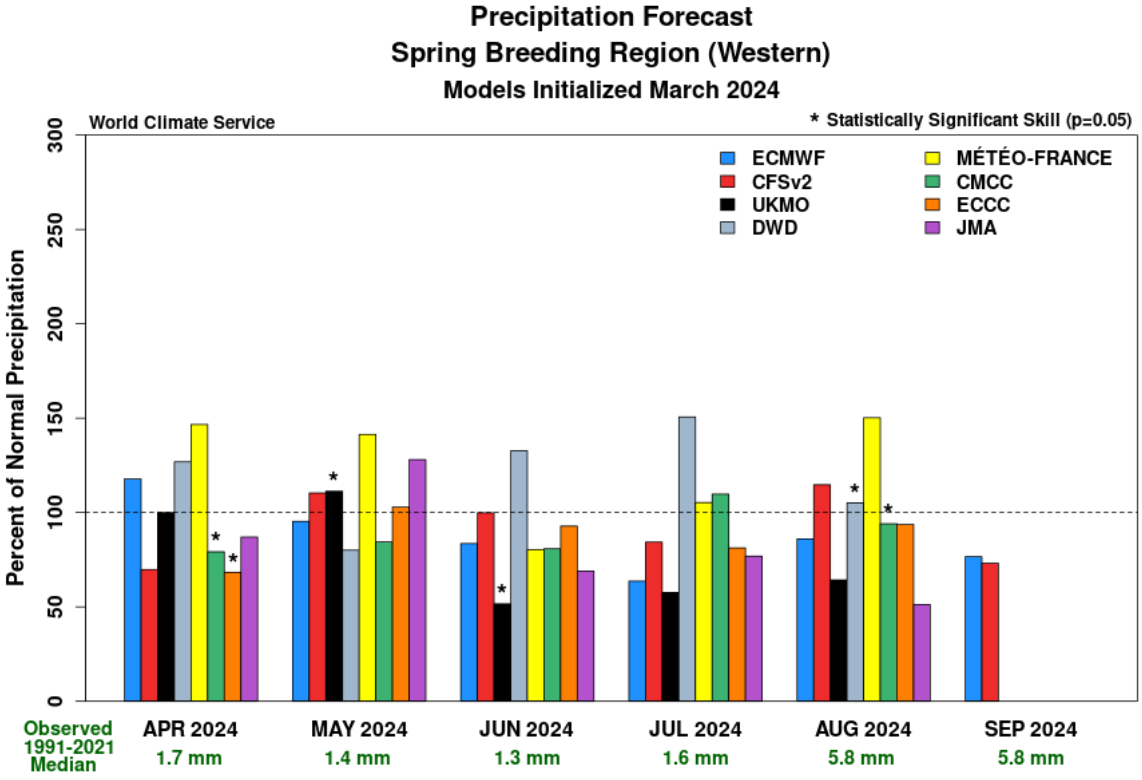
Spring breeding, April–May/June (Arabian Peninsula)



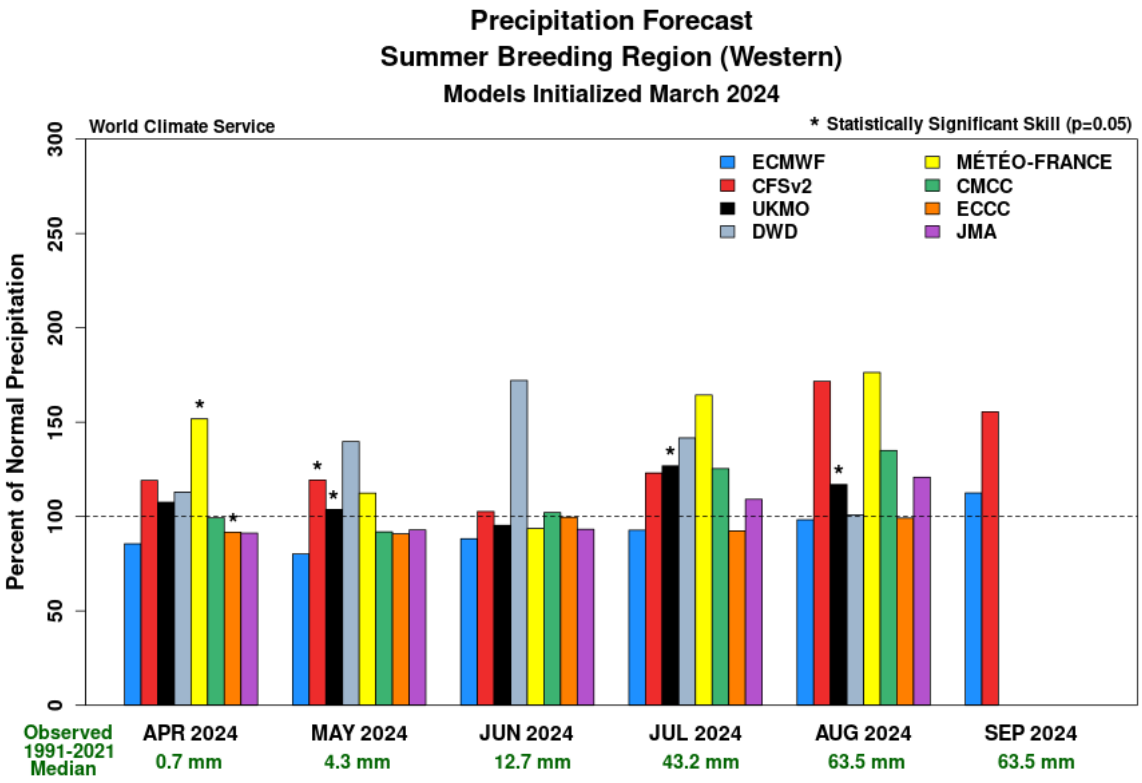
Spring breeding, April–May/June (Horn of Africa)



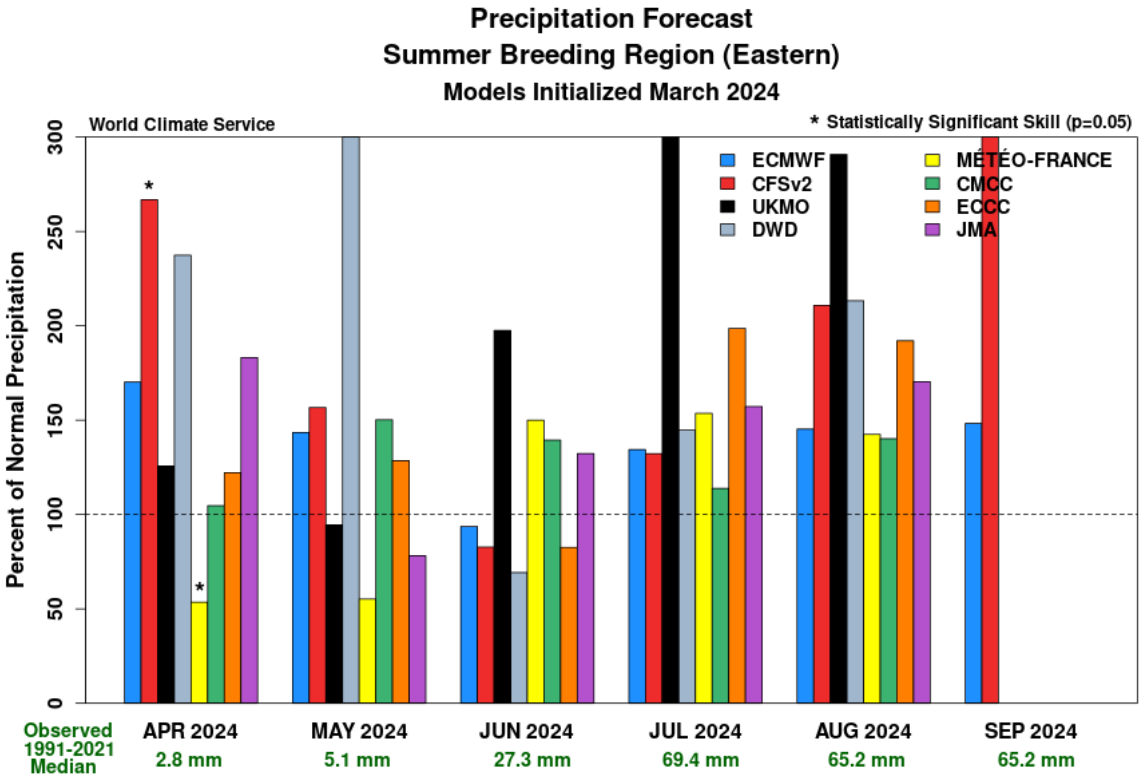
Spring breeding, April–May (SE Iran / SW Pakistan)



Spring breeding, April–May (NW Africa)



Summer breeding, June–September (Sahel of W Africa to Sudan/Eritrea)



Summer breeding, June–September (India/Pakistan)