**Seasonal precipitation predictions
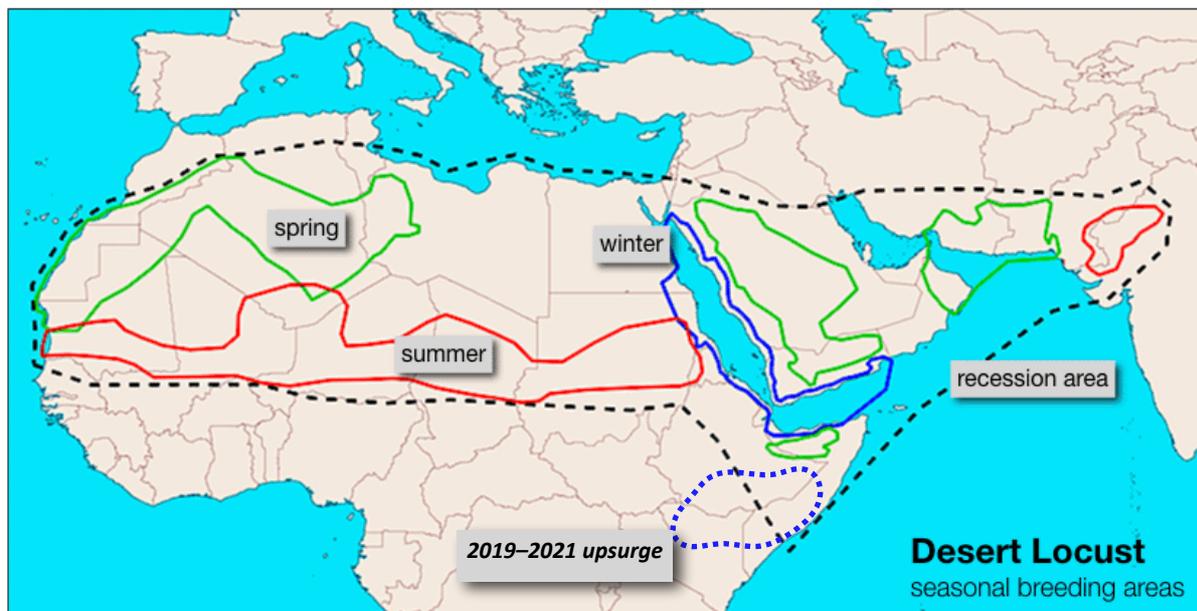in the Desert Locust summer/winter breeding areas
(June – November 2023)**

FAO Desert Locust Information Service (DLIS) / World Climate Service (WCS)

issued 16 May 2023

The latest models suggest that light to moderate rains may occur during the second half of May in the spring breeding areas of Morocco and the interior of Saudi Arabia. During the summer, above-normal rains are likely to start in June and continue after September in the northern Sahel of western Africa. It will take several generations of successful breeding before locusts increase to threatening levels. Drier-than-normal conditions will develop during the summer in the Indo-Pakistan border and perhaps Sudan. In the winter breeding on the Red Sea and Gulf of Aden coastal areas, above-normal rains will occur from October.
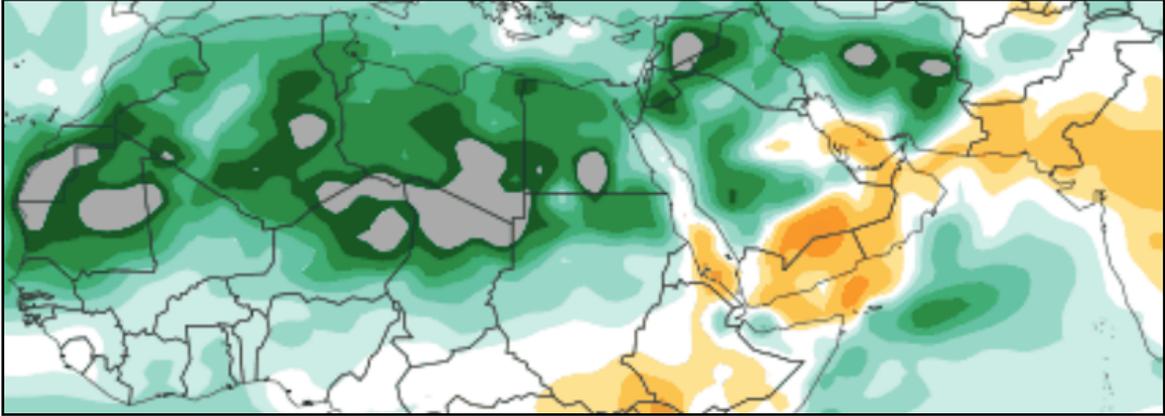
PRECIPITATION ANOMALY	Jun	Jul	Aug	Sep	Oct	Nov
Algeria	Slightly wetter	Slightly wetter	Slightly wetter	Slightly wetter	Slightly wetter	
Chad	Slightly wetter	Slightly wetter	Slightly wetter	Slightly wetter	Slightly wetter	
Djibouti						Slightly wetter
Egypt (SE Red Sea)	Slightly drier				Slightly wetter	Slightly wetter
Eritrea (western–summer, coastal–winter)	Slightly wetter	Slightly drier	Normal	Slightly drier	Slightly wetter	Slightly wetter
Ethiopia (Afar–summer, Somali–autumn)		Slightly drier	Slightly drier	Slightly drier	Slightly wetter	Slightly wetter
India (Rajasthan, Gujarat)		Slightly drier	Slightly drier	Slightly drier	Slightly drier	Slightly drier
Iran (south–spring)	Slightly drier					
Mali (northeast)	Slightly wetter	Slightly wetter	Slightly wetter	Slightly wetter	Slightly wetter	
Mauritania (south–summer, NW–autumn)	Wet	Slightly wetter	Slightly wetter	Slightly wetter	Slightly wetter	
Morocco	Slightly wetter					
Niger (Tamesna, Air)	Wet	Slightly wetter	Slightly wetter	Slightly wetter	Wet	Slightly wetter
Oman (spring)						
Pakistan (southwest–spring, east–summer)	Slightly drier	Slightly drier	Slightly drier	Slightly drier	Slightly wetter	Slightly wetter
Saudi Arabia (Red Sea, interior–spring)	Slightly wetter	Slightly drier	Normal		Wet	Wet
Somalia (N coast–winter, N interior–spring)					Wet	Wet
Sudan (interior–summer, coastal–winter)	Slightly wetter	Slightly wetter	Normal	Normal	Slightly wetter	Slightly wetter
Yemen (interior–summer, coastal–winter)	Slightly drier	Slightly drier	Slightly drier	Slightly drier	Slightly wetter	Slightly wetter

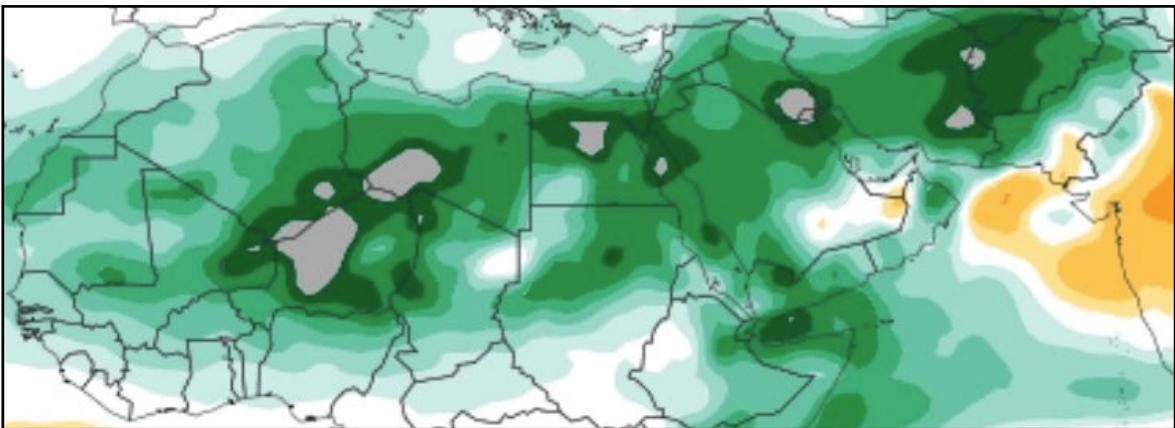| Dry	Slightly drier	Normal	Slightly wetter	Wet

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.
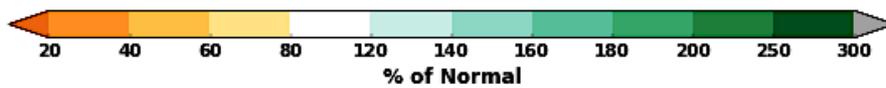
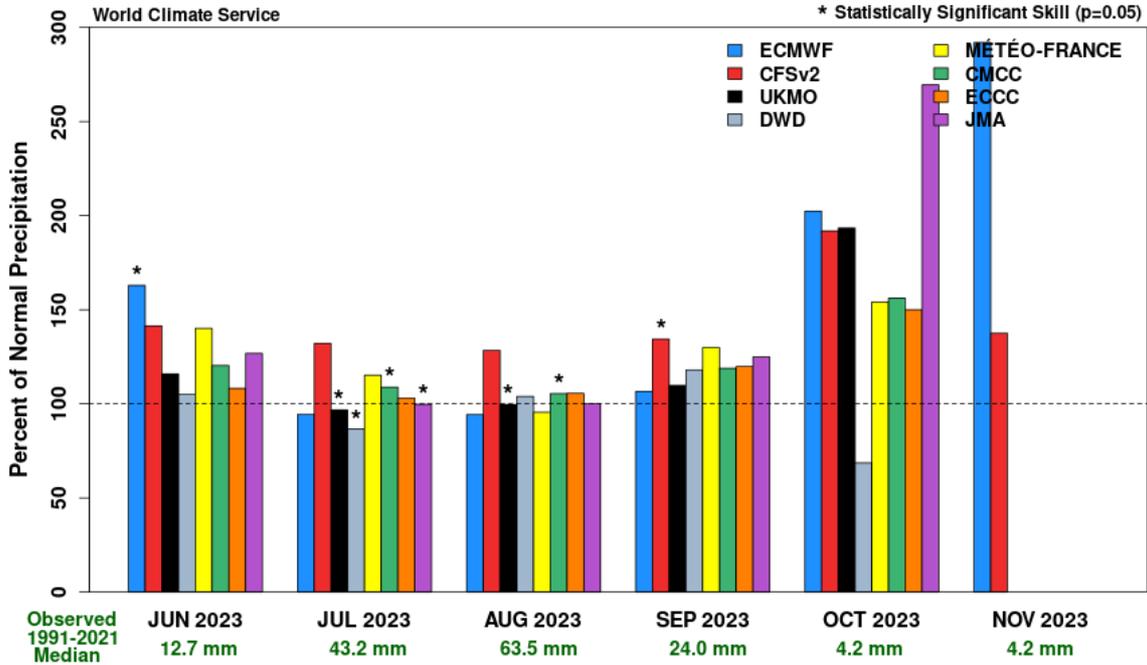# Predicted rainfall anomaly

Summer breeding areas (June 2023)

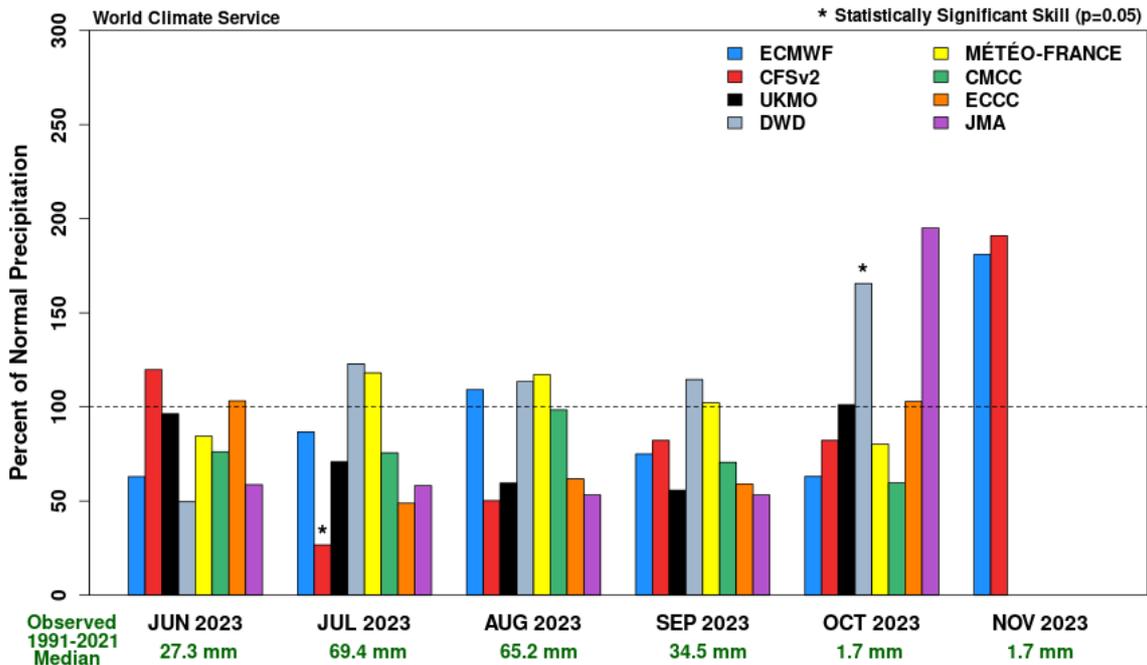Summer/Winter breeding areas (October 2023)

% of Normal

How to interpret the precipitation forecast charts (see following pages). A value of 100 on the left axis indicates normal rainfall; values less than 100 indicates 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)
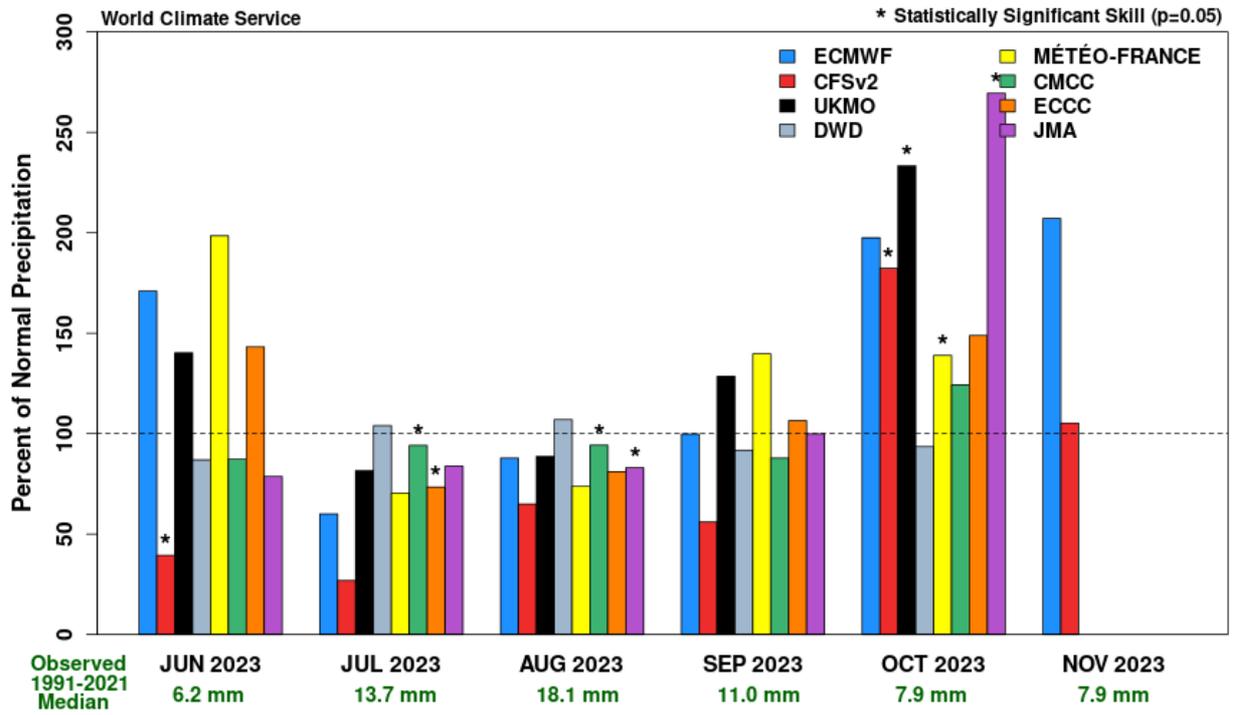**Models Initialized May 2023**

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

Precipitation Forecast
Summer Breeding Region (Eastern)
Models Initialized May 2023

Summer breeding, June–October (India/Pakistan)

Winter breeding, October–November (Red Sea & Gulf of Aden coastal areas)