SOUTH SUDAN SEASONAL FORECAST FOR OCTOBER TO DECEMBER2024

The October to December (OND)2024 Season is an important Second Agricultural production Season for South Sudan, particularly in the Southern part of the country. The OND 2024 seasonal forecast highlighted that:

- Most parts of Eastern Equatoria; South of Central Equatoria((Yei & Kajokaji counties); Central to Eastern Jonglei, Pibor Administrative Area; Western Equatoria (Yambio, Maridi, Nzara and western Tambura countries); Malut and Maban, Panyikang,Pashoda counties in Upper Nile State (*coloured green)*) in the GHA Map, below, left (Fig.1; Z IV).
- Normal to Below - Normal Rainfall with prob. of 33 % is expected over West; Centre and to North of Western Equatoria State, East to northeast of central Equatoria (coloured yellow) will receive Above average Rainfall (wetter conditions) as shown in the GHA Map, (Fig.1; Z III)
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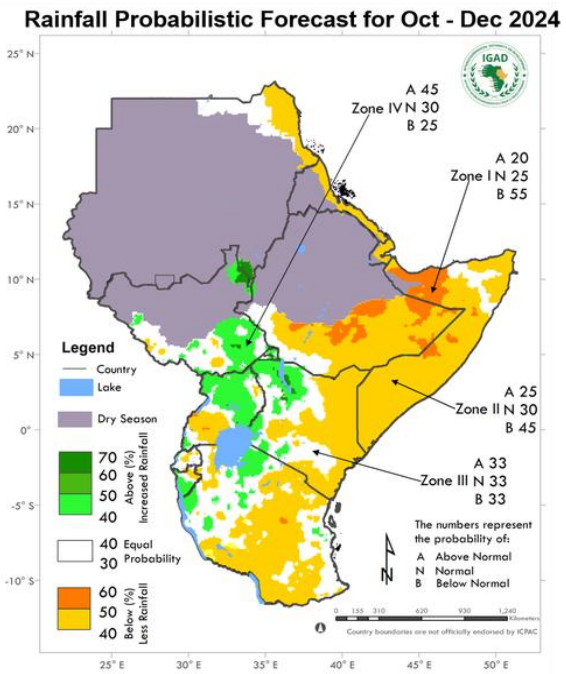
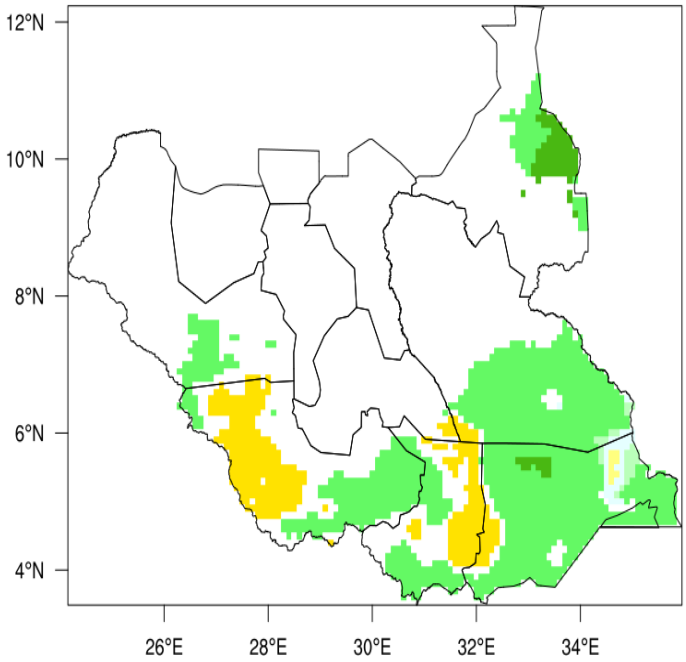
- Drier-than-average conditions is to be experienced in the rest of the country during OND 2024. as shown (colored white) in the GHA Map, (Fig.1; Z II) below.

A. Rainfall Season Forecast for OND 2024 in the GHA and South Sudan



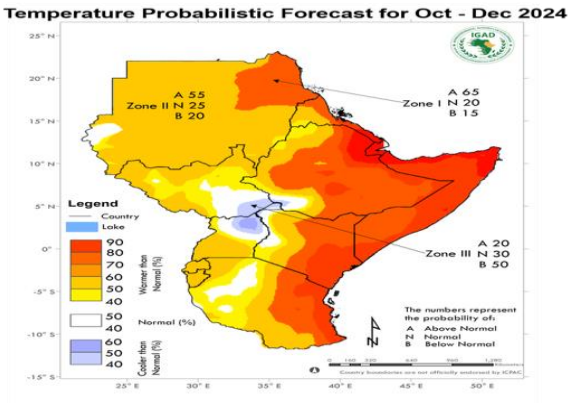


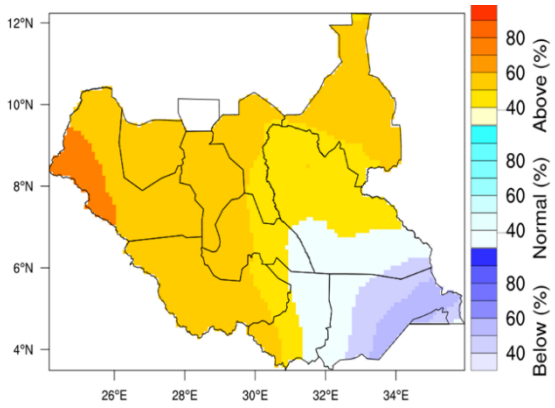
Map 1. GHA OND 2024 Rainfall Forecast forecast

Map.2. South Sudan R/F for OND 2024

B. Temperature Probabilistic Forecast for OND 2024 over the GHA and South Sudan

- Warmer than average surface temperatures (deep red colour) with prob. of 65%, is predicted over most parts of South Sudan with the highest temperatures being expected in Western Bhar el Ghazal state as shown in GHA Map, (Fig.4; Z I)
- Colder than usual temperatures (*coloured cyan)* with probability of 40 % is also expected in the Eastern Equatoria state





Map 3. GHA OND 2024 Rainfall Forecast 2024

Fig.4. South Sudan R/F forecast for OND 2024

Positive Impact of OND 2024 Rainfall.

- The **above normal rainfall** provides favorable conditions for **crops production** in most parts of the country.
- **Also Average rainfall** will improve water availability, vegetation growth for livestalk and fishing opportunity for fishermen

Negative Impact

- The **Above-average rainfall** has increased the impact of existing flooding in 30 counties affecting livehood of population in the lowland areas.

- With **enhanced rainfall predicted** in northern Uganda and northwestern Kenya (**GHA map 1)**, the water levels in Lake Victoria would further rise to a high pick causing **overflow** of water in the river Nile in downstream areas of Central Equatoria, Jonglei, Thuc in northern Warrap Norther Bhar el Ghazal , Unity and Upper Nile states.

States Forecast October-December 2024 Season

Central Equatoria State:

Several parts of CES (*colored light green)* has probability of 45% of receiving above normal rainfall with exception of the south east to north part of Tali County (*colored yellow)* is expected to experience normal rainfall. The state is expected to experience warmer than usual temperature (*colored orange)* with 65% probability in south west and cooler in south east.

Eastern Equatoria states

The forecast indicates, most of the states will experience above normal rainfall of 45% probability (*colored green)* of receiving above normal rainfall. Forecast also indicates the state is expected to experience cooler than usual temperature (*colored cyan)* with 40 % probability.

Western Equatoria State.

Several parts of WES (*colored light green)* in eastern is expected to experience above normal rainfall with 45% while, most of Yambio, Maridi, Nzara and western Tambura bordering DRC (*colored Yellow)* is expected to receive below normal rainfall with 45% probability. Most of the state has is expected to experienced warmer than usual temperature (*colored light orange)* with 65% probability.

Western Bahr-el-Ghazal State.

Few of the state (*coloured green)* is expected to experience above normal rainfall with 45% probability in Wau county. However, most of state (*colored white)* is expected to experience normal to below normal rainfall with 40% probability. The state has 80% probability (*colored deep orange)* of experiencing warmer than normal temperatures in western parts.

Northern Bahr-el-Ghazal State

Forecast indicates, most of Aweil South, Aweil Centre and Aweil East and Aweil West (*colored white)* are expected to experience below to normal rainfall with 40% probability. Most of the state (*colored orange)* predicted to experience warmer than usual temperature with 60% probability.

Warrap State

Most of Warrap state, i.e.. Twic, Gogrial West, Gogrial East, Tonj and Warrap counties (*colored white)* are predicted to experience below to normal rainfall with 40% probability. The state (*colored orange)* is predicted to experience warmer than usual temperature with 60% probability.

Lakes State

Most of Lakes (*colored white*) is predicted to experienced normal to below normal rainfall with 30% probability. The state (*colored orange)* is predicted to experience warmer than usual temperature with 60% probability.

Unity State

Most of Unity State (*colored white)* is predicted to experience normal to above normal rainfall with 45% probability. The state (*colored orange)* is predicted to experience warmer than usual temperature with 65% probability.

Upper Nile State

Few of the state (*colored light green)* is predicted to experience above normal rainfall with 45% probability in Maban, while the most parts of the state is predicted to experience normal rainfall with 30-40% probability. The state (*colored orange)* is predicted to experience warmer than usual temperature with 65% probability.

Jonglei State.

Most of the state (*colored white)* is predicted to experience normal to below normal rainfall with 45% probability. The state (*colored orange)* is predicted to experience warmer than usual temperature with 65% probability.

Pibor Administrative Area

Most of the Administrative Area (*colored green)* is predicted to experience above normal rainfall with 45% probability. The area (*colored cyan)* is predicted to experience cooler than usual temperature with 80% probability.

Ruweng Administrative Area

The forecast indicates most of the state (*colored white)* is expected to experience normal to below normal rainfall with 40% probability. The state (*colored orange)* is predicted to experience warmer than usual temperature with 65% probability.

Abyei Administrative Area

Most of counties of Abyei are expected to experience below normal rainfall and warmer than usual temperature in most parts of the area during the forecast period.