

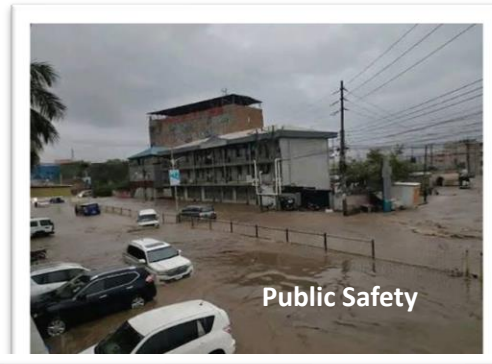
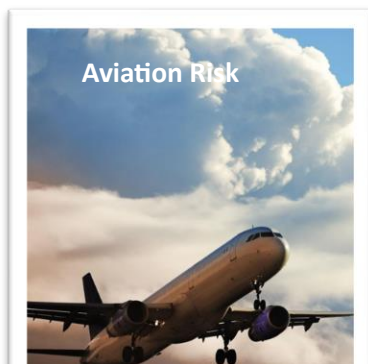


SOUTH SUDAN METEOROLOGICAL SERVICE

MONTHLY CLIMATE OUTLOOK FOR SEPTEMBER 2026

Issue Date: 31/08/2026

Climate risks and Sectoral impacts



Prepared by South Sudan Meteorological Service (SSMS)

For decision Support in agriculture, aviation, water resources, Health, disaster reduction and public safety

1.0 Summary

- The September 2026 rainfall probabilistic forecast indicates a marked spatial variation in rainfall conditions across South Sudan. Above-normal rainfall is more likely over the northern and north-western parts of the country.
- The temperature forecast for South Sudan indicates that warmer-than-normal temperatures are expected across most parts of the country during September 2026.

2.1 Rainfall Forecast for September 2026

The September 2026 rainfall forecast indicates an increased likelihood of Above-normal rainfall over Nagero county in Western Equatoria State, Wau , Jur River, some part of Raja county in Western Bahr el Gazal State, Aweil center, Aweil west, Aweil north , Aweil south in Northern Bahr el Gazal State , Abyei Administrative Area, Twic, Gogril, Tonj west and Tonj south counties in Warrap State, northern counties in Lake State, and Renk, some parts of Manyo , Fashoda, Baliet, northern parts of Maban counties in Upper Nile Sate. With probabilities generally ranging from 40% to 60% and locally higher probabilities in Aweil and northern Maban.

Meanwhile below-normal rainfall is expected across most parts of South Sudan. Areas shaded in orange indicate a 60–80% probability of below-normal rainfall. Areas shaded in yellow indicate a 40–60% probability of below-normal rainfall. These include southern parts of Magwi county(Nimule) in Eastern Equatoria State, eastern part of Terekaka county in Central Equatoria, most parts of Wulu county in Lake State, northern parts of Yambio, Anzara, and Ezo, and most parts of Tambura in Western Equatoria State, most parts of Raja County in Western Bahr el Ghazal State, most counties in Unity State, Fangak, Pegi, Ayod northern parts of Duk and southeastern parts of Bor South county in Jonglei State.

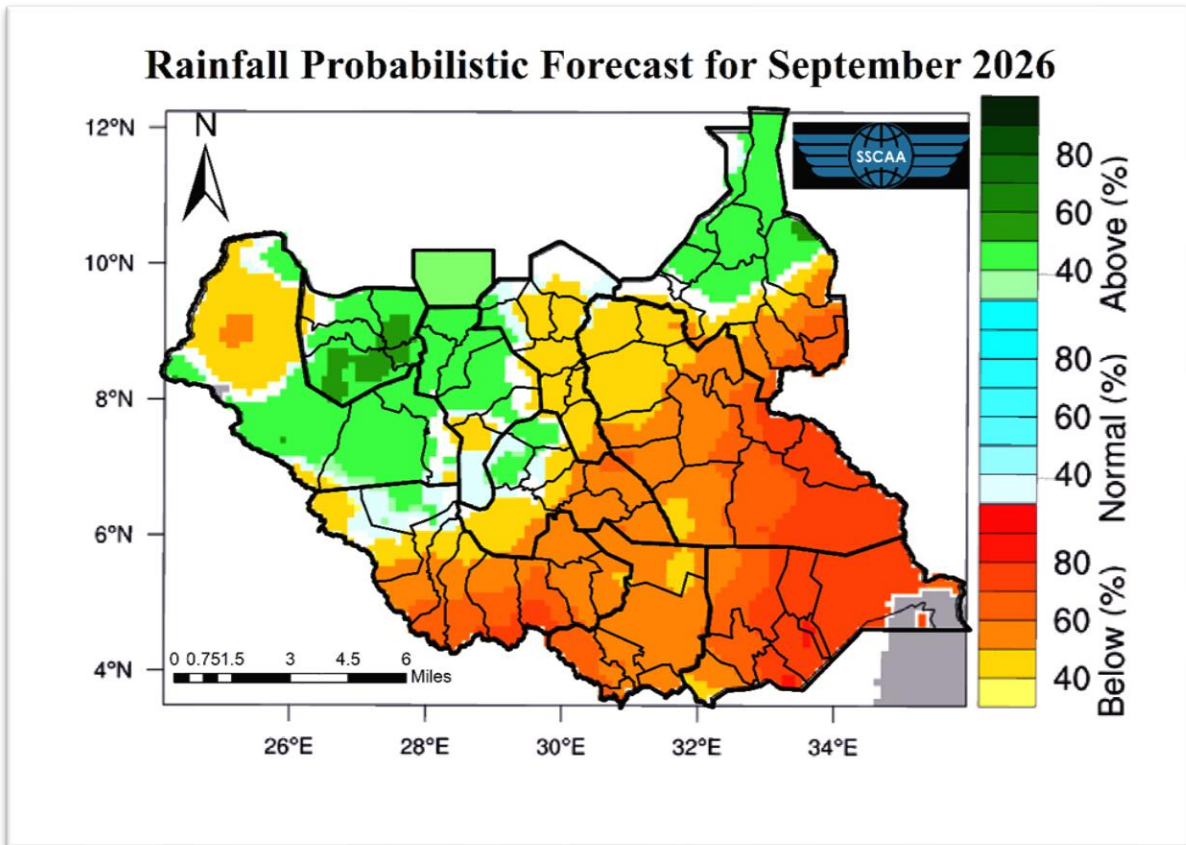


Figure 1a: Total rainfall(mm) forecast for September 2026

2.2 Mean Temperature Forecast for September 2026

The September 2026 mean temperature outlook indicates an increased likelihood of above-normal temperatures across most parts of South Sudan. Most areas shaded in Red, representing greater than 80% probability of above-normal temperatures. Areas shaded in dark orange indicate a higher probability (above 60%) of above-normal temperatures. These areas include most parts of Kapoeta East County in Eastern Equatoria State.

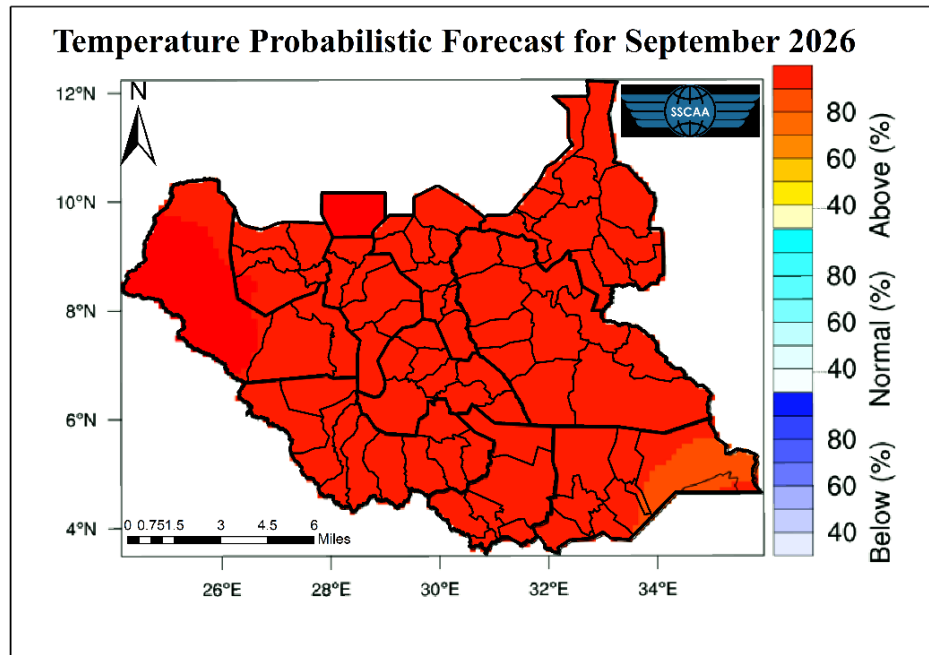


Figure 1b: Mean Temperature forecast for August 2026

3.0 ADVISORIES

For Crop Producers

- Promote drought-tolerant and early maturing crop varieties.
- Conduct timely weeding to reduce competition for limited soil moisture.
- Apply moisture conservation practices such as mulching, tied ridges, and minimum tillage.
- Prioritize planting in lowland and moisture-retaining areas where possible.

For Livestock Producers

- Monitor rangeland and water conditions.
- Preserve crop residues and hay for supplementary feeding.
- Strengthen livestock disease surveillance and vaccination programs.
- Improve access to strategic water points.

For Agricultural Authorities and Partners

- Enhance drought monitoring and early warning dissemination.
- Support community water harvesting initiatives.
- Strengthen pest surveillance, particularly for fall armyworm and locust outbreaks.
- Prepare contingency plans for areas likely to experience significant production shortfalls.