

MINISTRY OF NATURAL RESOURCES AND CLIMATE CHANGE



DEPARTMENT OF CLIMATE CHANGE AND METEOROLOGICAL SERVICES

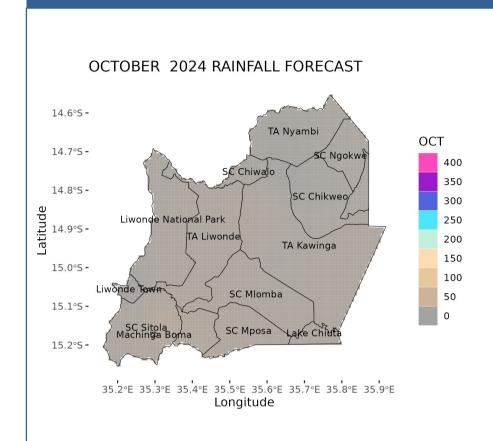
MACHINGA DISTRICT DOWNSCALED SEASONAL FORECAST, 2024-2025

Overview of 2024/2025 Rainfall Season

The 2024-2025 rainfall season is expected to be influenced by a weak La Nina. La Nina is the unusual cooling of ocean waters over eastern-central equatorial Pacific Ocean.

Machinga district is expected to receive normal to above normal total rainfall amounts with a chance of about 10day dry spells in February 2025.

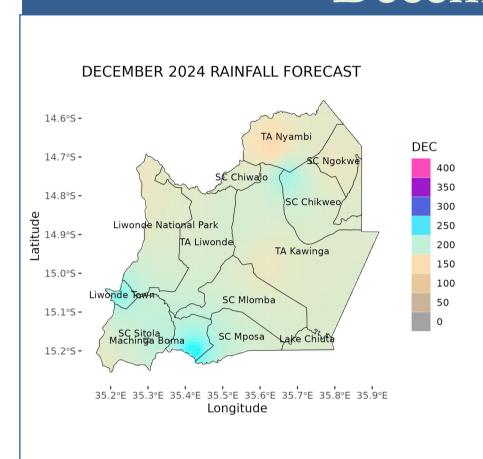
October 2024



In October hot and dry conditions expected to prevail in Machinga. However, Chizimalupsya rains ranging from 2 to 20 mm are expected in some areas . These amounts are normal to above-normal for some areas in the district.

Occurrences of gusty lightning and heat spells are likely.

December 2024

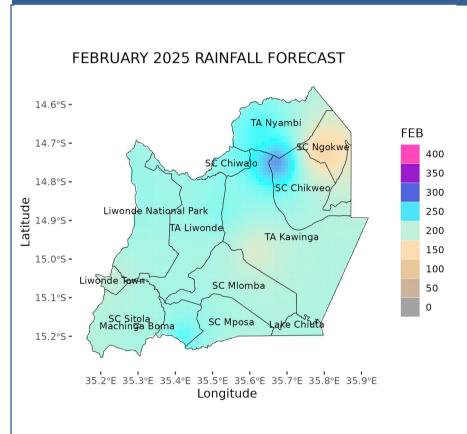


Expect more rains in the range of 150-250 mm in December.

This is normal to above-normal except for northern areas of the district such as TA Nyambi. High amounts are forecasted for areas around Liwonde Town and east of Machinga boma.

Onset is more likely from the **first** week of December.

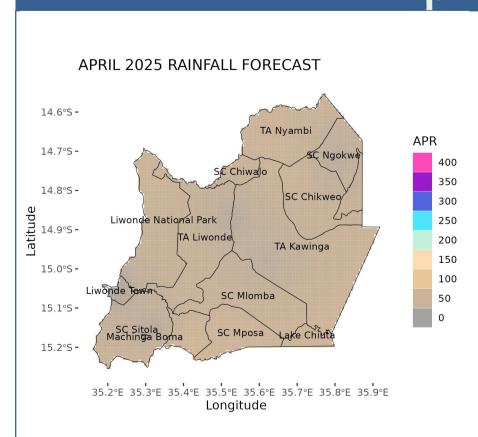
February 2025



February is expected to be wetter previous than season. expected amounts are in the range between 140 to 280 mm which is normal to above normal for Machinga. Pockets of below normal rains are nevertheless expected over SC Ngokwe.

Two-week dry spells are expected in the district.

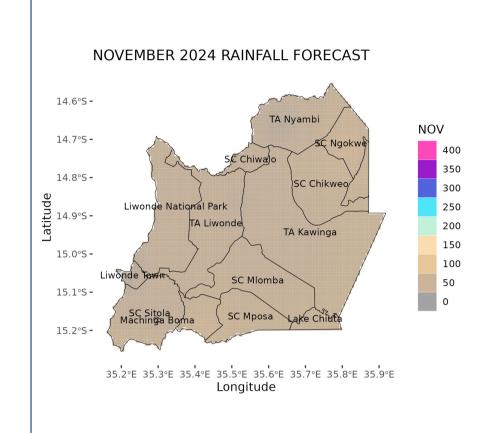
April 2025



The rainfall season is expected to come to an end in early April.

Normal to above-normal rains expected in the range 20-50mm and up to 60mm in areas under TA Nyambi and SC Ngokwe. However, lesser rains are expected to the north of TA Liwonde.

November 2024

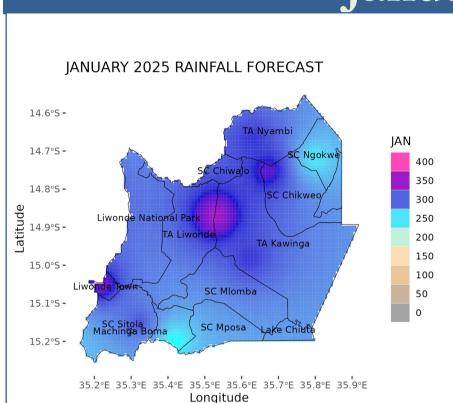


During November, total rainfall is likely to be in the range from 25-50 mm which is within normal to below-normal, and drier than the same month last year. Areas around TA Nyambi may receive lesser amounts.

There is a chance of erratic onset to the season in most areas.

Gusty winds and lightning are also be expected.

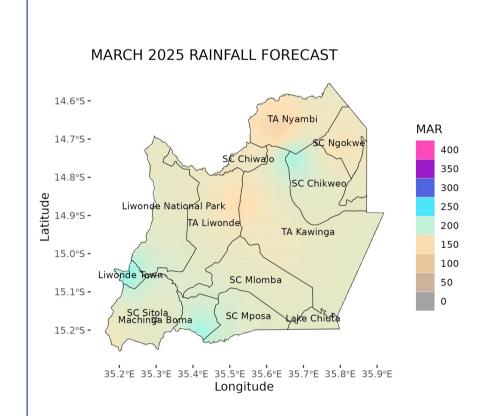
January 2025



January is expected to be wetter than previous season whereby amounts of rains may range from 250 to 360 mm over most areas.

Over a week dry spells are likely in this month. The threat of floods is also high.

March 2025

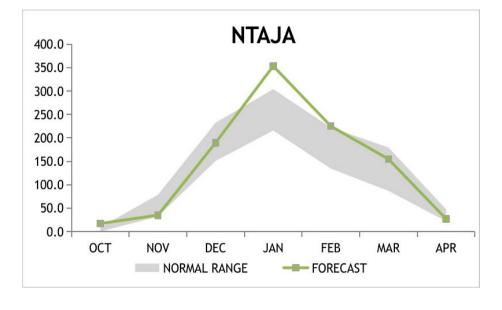


Machinga is generally expected to receive above normal rainfall amounts in March. Rainfall range in the month is from 130 to 220 mm, which normal to above normal and wetter than previous season.

The season is expected to start tailing off towards the end of March.

- Machinga district is expected to receive normal to above normal total rainfall amounts during the 2024/2025 season.
- Onset is expected from first week of December 2024 while cessation is expected from the final week of March 2025.
- The seasonal length is expected to range from 80 to 120 days.
- Dry spells longer than a week are expected in January and February 2025.

| NTAJA | | | |
|-------|--------|-------|----------|
| MONTH | NORMAL | RANGE | FORECAST |
| OCT | 0.3 | 9.4 | 17.5 |
| NOV | 32.3 | 78.8 | 35.3 |
| DEC | 150.9 | 232.5 | 189.7 |
| JAN | 215.8 | 304.0 | 353.4 |
| FEB | 134.5 | 222.2 | 225.2 |
| MAR | 87.0 | 179.6 | 154.8 |
| APR | 22.1 | 47.7 | 27.3 |



The forecast will be updated in December 2024 For further information contact: The Director of Climate

Change and Meteorological Services, P.O. Box 1808, Blantyre. Tel +265 1 82 47 12 / Cell: +265 882 26 65 79 Email:

























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