



# MINISTRY OF NATURAL RESOURCES AND CLIMATE DEPARTMENT OF CLIMATE CHANGE AND METEOROLOGICAL SERVICES

## CHITIPA DISTRICT DOWNSCALED SEASONAL FORECAST, 2022-2023



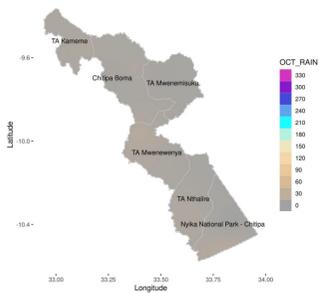
### OVERVIEW OF 2022/2023 RAINFALL SEASON

The 2022/2023 rainfall season for Malawi is expected to be influenced by La Nina. *La Nina is the unusual cooling of ocean waters over eastern-central Pacific Ocean.*

Chitipa District is expected to receive generally **normal to above rainfall amounts** during the 2022/2023 rainfall season.

### October 2022

OCTOBER 2022 RAINFALL FORECAST

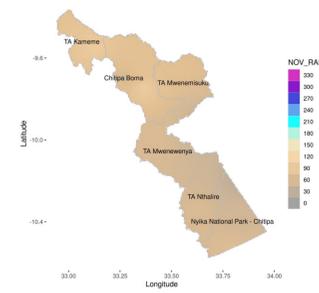


The month of October is the beginning of rainfall season in Malawi.

Most parts of the district will be dry during this month. Few areas in the district are expected to receive less than 20 mm of rainfall. However, these rains may be accompanied with strong winds due to heating that is associated with rainfall onset.

### November 2022

NOVEMBER 2022 RAINFALL FORECAST

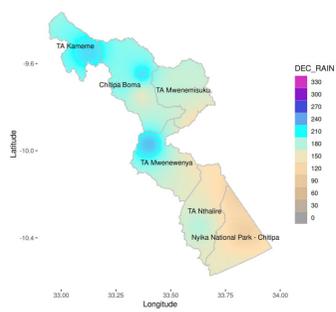


During the month of November, most parts of the district are expected to receive rainfall amounts between 50-100mm. This range is within the normal category for most parts of the district.

Expect strong winds and lightning which are normally associated rainfall onset.

### December 2022

DECEMBER 2022 RAINFALL FORECAST

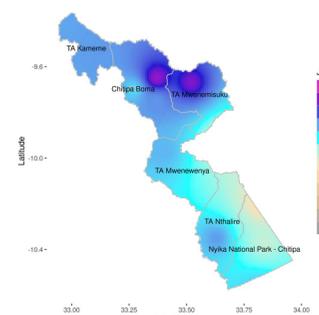


Rainfall onset is expected between first and second week of December 2022 in most parts of the district.

Areas of TA Kameme, Mwenewenywa and Chitipa Boma are expected to receive between 200 - 230mm of rainfall amounts. Areas east of TA Nthalire and Nyika National Park are expected to receive rainfall amounts less than 200 mm.

### January 2023

JANUARY 2023 RAINFALL FORECAST

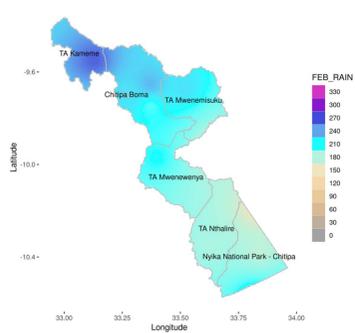


January is expected to be a wet month with most areas in the district receiving rains between 200-300mm with the highest amount in TA Mwenemisuku and North East of Chitipa Boma. Areas east of TA Nthalire and East of Nyika National Park are expected to receive less than 150mm of rainfall amounts.

Dry spells of less than 7 days are expected in some parts

### February 2023

FEBRUARY 2023 RAINFALL FORECAST



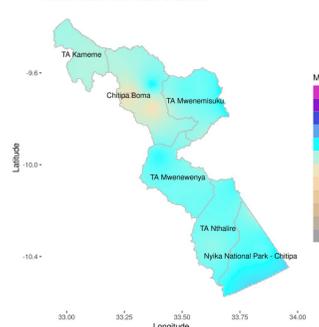
During the month of February most areas of Chitipa District are expected to continue receiving more rains with the highest amount expected in TA Kameme.

Most parts of the district are expected to receive between 180 - 230mm of rainfall amounts.

Dry spells of one week may occur over few

### March 2023

MARCH 2023 RAINFALL FORECAST



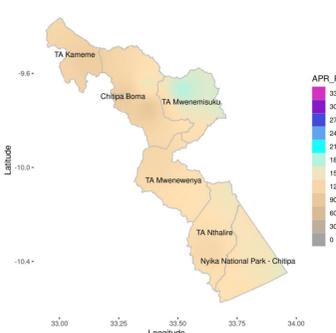
The month of March will continue to be wet particularly under TA's Mwenemisuku, Mwenewenywa, Nthalire and Nyika National Park.

Most areas are likely to receive rainfall amounts between 140-200mm.

Reduced rainfall amounts are expected in areas around Chitipa Boma.

### April 2023

APRIL 2023 RAINFALL FORECAST



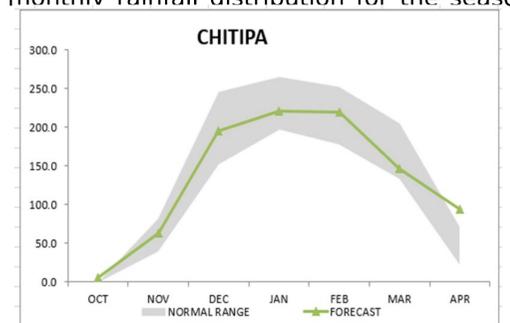
The month of April marks the end of the rainfall season for most areas in Malawi. In Chitipa district during this month, most areas are likely to receive rainfall amounts between 80 - 120 mm.

But few areas over the north especially around TA Mwenemisuku are expected to receive more than 150 mm of rainfall amounts.

The rainfall **onset** for Chitipa district is expected between first and second week of December 2022. However, rainfall onset in some parts of the district is likely to be earlier. **Cessation** date is expected between first and second weeks of April 2023. **Dry spells** of about 7 days may be experienced in January and February in some parts of the district. The **seasonal length** for the district is expected to be 120 - 135 days.

The table and figure below shows monthly rainfall distribution for the season with a normal range in grey.

CHITIPA		
MONTH	NORMAL RANGE	FORECAST
OCT	0.0	0.2
NOV	40.19	82.05
DEC	152.04	245.66
JAN	196.6	265.3
FEB	177.33	251.84
MAR	133	205
APR	22.66	71.66



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