



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT

KITUI COUNTY
WEEKLY WEATHER FORECAST

Period of forecast: 28TH DECEMBER 2021 TO 3RD JANUARY 2022

Date of issue: Monday 27TH DECEMBER, 2021

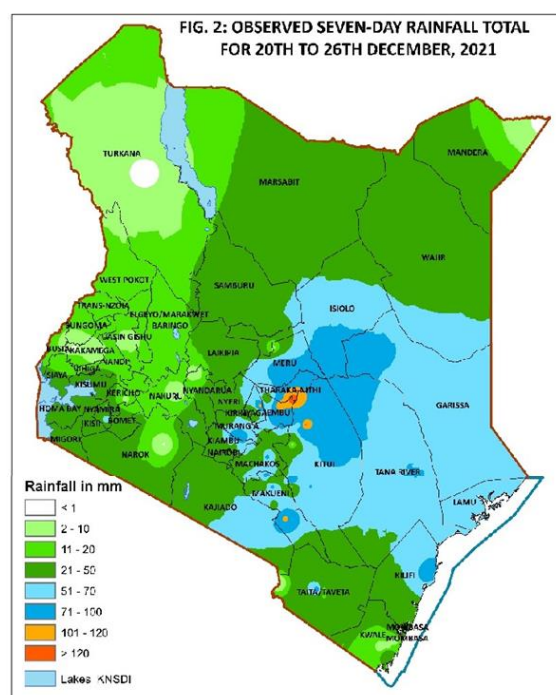
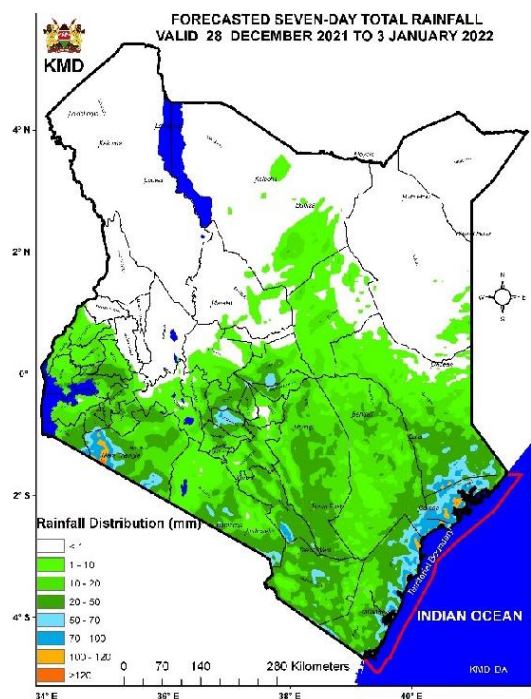


Fig 1. Weekly weather forecast precipitation totals 28th Dec 2021 to 3rd January 2022 and Weekly weather observed precipitation totals 21st to 27th Dec 2021

POTENTIAL IMPACTS

The following are the likely impacts during the month of December 2021:

Agriculture and Food Security

The expected rainfall during the fourth week of the month over County is likely to improve the food security in these areas as water and pasture will be rejuvenated.

Disaster Management

Where isolated storms are likely, flash floods are likely to occur. This may result in loss of lives and property.

Water Resources Management and Energy

The rainfall is expected to continue in the fourth week of the month; hence residents are encouraged to harvest rain and runoffs for consumption.

Environment

December marks the end of the short rains season over Kitui. However, the occasional rainfall expected over several parts of the County is likely to maintain conducive soil moisture to sustain tree growth. The public should therefore take advantage of these conditions to plant more trees in order to mitigate Climate Change. Further, they should put sustainable measures in place to conserve the environment.

Health

Malnutrition related diseases are likely to escalate in the ASAL parts of the County. Relevant authorities should put plans in place to provide food and food supplements to the most affected communities.





























Transport and Public Safety Sector




The expected occasional rainfall especially during the fourth week of the month may cause slippery roads in some parts of the County increasing the risk of accidents. Flash floods may cause transport challenges on poorly drained roads and more so in areas where the roads become impassable when it rains.

Summary

Light to moderate morning rains as well as afternoon and night shower are likely to occur over several places from Tuesday to Thursday this week reducing to light or no rain from Friday till the end of the forecast period. Maximum (day time) temperatures are likely to range from 24°C to 31°C while minimum (Night time) temperatures are expected to be between 16°C and 24°C.

Kitui Central, Kitui West, Kitui Rural, Kitui South, Kitui East, Mwingi Central, Mwingi West and Mwingi North Sub-Counties

	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Morning	 Light rain (0-5mm)	 Light rain (0-5mm)	 Light rain (0-5mm)	 Light rain (0-5mm)	 Light rain (0-5mm)	 Light rain (0-5mm)	 Light rain (0-5mm)
Afternoon	 Light-moderate showers with occasional thunderstorms (5-10mm)	 Light-moderate showers with occasional thunderstorms (5-10mm)	 Light-moderate showers with occasional thunderstorms (5-10mm)	 Light rain (0-5mm)	 Light rain (0-5mm)	 Light rain (0-5mm)	 Light rain (0-5mm)
Night	 Light-moderate showers with occasional thunderstorms (5-10mm)	 Light-moderate showers with occasional thunderstorms (5-10mm)	 Light-moderate showers with occasional thunderstorms (5-10mm)	 Light rain (0-5mm)	 Light rain (0-5mm)	 Light rain (0-5mm)	 Light rain (0-5mm)
Rainfall distribution							
Maximum temperature	26°C	28°C	27°C	29°C	30°C	29°C	28°C
Minimum temperature	15°C	14°C	15°C	16°C	15°C	16°C	15°C
Hazards	Flash floods	Flash floods	Flash floods	None	None	None	None

Key to rainfall distribution symbols:  rain is likely to fall in few places (less than 33%),  rain is likely to fall in many places (33-67%),  rain is likely to fall in most places (more than 67%)

Ushauri wa Idara ya Utabiri wa Hali ya Hewa:

Kuna uwezekano wa mvua ya kiwango cha chini hadi cha katikati (light to moderate; 5-30mm) kuanzia kesho siku ya Jumanne hadi Alhamisi wiki hii. Mvua inatarajiwa kupungua kuanzia Ijumaa wiki hii hadi mwisho wa utabiri wa hali ya hewa. Wakulima wanaombwa wawasiliane na ma ofisa wa kilimo kwa mashauri bora.

Note: 1 mm of rainfall is equivalent to 1 litre of rainfall per square meter.

Advice to farmers from Ministry of Agriculture: Consult your local agricultural extension officer for advice on the best farming practices in the light of this forecast.

KEY OF SCIENTIFIC WORDS USED

Rainfall categories	
Range	Category
<5 mm	Light
5 - 20mm	Moderate
20 - 50mm	Heavy
>50mm	Very heavy

Rainfall coverage	
Term	Meaning
Most Places	Between 66% and 100%
Several Places	Between 33% and 66%
Few Places	Below 33%

For further information, please contact:



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You can find more information about the climate and weather in Kenya on the KMD website <http://www.meteo.go.ke/>