



Republic of Kenya
Ministry of Environment, Climate Change and Forestry
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Weekly Weather Forecast for Kilifi County valid 3rd to 9th September, 2024

1. PART I: Weekly weather forecast summary

The county is expected to receive light to moderate rains in several parts although with a slight reduction in amounts.

Areas within the coastline are expected to receive moderate showers on Thursday and Friday and light rains or sunny intervals the rest of the week.

The hinterlands are expected to receive light rains on Thursday and Friday and sunny intervals the rest of the week

Maximum/Daytime temperatures are expected to range from 26– 31 °C,

The Minimum temperatures are expected to decrease, ranging from 20-26 °C

Winds are expected to be slightly stronger.

Farmers are advised that the onset for October-December short-rains season is between the 4th week of October and the 1st week of November and that the rains being currently experienced are for the JJAS –KUSI Season.

2. PART II:

Table1: Detailed Weather forecasts by Ward

Sub County	Ward	Total weekly amount mm	Probable weather Notes: Light rains < 1-5 mm; Moderate rains 5-20 mm; Heavy rains > 20 mm in 24hrs							Max Winds in m/s (meters per second)	Temperature (Max & Min in °C)
			Tue	Wed	Thurs	Fri	Sat	Sun	Mon	Weekly	Weekly
Magarini	Marafa	5-6mm	Sunny intervals	Sunny intervals	Light showers	Light showers	Sunny intervals	Sunny intervals	Sunny intervals	SSE 10 m/s	30– 31 °C 22– 26 °C
	Magarini	9-10mm	Light showers	Sunny intervals	Light showers	Light showers	Light showers	Sunny intervals	Sunny intervals	SSE 11 m/s	29– 30°C 23– 26 °C
	Gongoni	9-10mm	Light showers	Sunny intervals	Light showers	Light showers	Light showers Chance	Sunny intervals	Sunny intervals	SSE 11 m/s	27– 29 °C 23 – 26°C
	Adu	6-7mm	Light showers	Sunny intervals	Light showers	Light showers	Light showers chance	Sunny intervals	Sunny intervals	SSE 12 m/s	30– 31 °C 22 – 26°C
	Garashi	4-5mm	Sunny intervals	Sunny intervals	Light showers	Light showers	Sunny intervals	Sunny intervals	Sunny intervals	SSE 12 m/s	30– 31 °C 22 – 27 °C
	Sabaki	8-9mm	Light showers	Sunny intervals	Light showers	Light showers	Light showers	Sunny intervals	Sunny intervals	SSE 12 m/s	29– 30 °C 22– 26 °C
Sunny intervals Malindi	Jilore	4-6mm	Sunny intervals	Sunny intervals	Light showers	Light showers	Sunny intervals	Sunny intervals	Sunny intervals	SSE 11 m/s	28– 31°C 21 – 27 °C

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			Notes: Light rains < 1-5 mm; Moderate rains 5-20 mm; Heavy rains > 20 mm in 24hrs								
			Tue	Wed	Thurs	Fri	Sat	Sun	Mon		
	Shela	10-15mm	<i>Light showers</i>	<i>Light showers</i>	Moderate showers	Moderate showers	<i>Sunny intervals</i>	<i>Sunny intervals</i>	<i>Sunny intervals</i>	SSE 11 m/s	27– 28 °C 24– 26 °C
	Kakuyuni	11-12mm	<i>Light showers</i>	<i>Sunny intervals</i>	<i>Light showers</i>	<i>Moderate showers</i>	<i>Sunny intervals</i>	<i>Sunny intervals</i>	<i>Sunny intervals</i>	SSE 12 m/s	29-30°C 22– 26 °C
	Ganda	15-17mm	<i>Light showers</i>	<i>Light showers</i>	Moderate showers	Moderate showers	<i>Light showers chance</i>	<i>Sunny intervals</i>	<i>Sunny intervals</i>	SSE 12 m/s	27–28 °C 24– 26°C
	Malindi Town	18-20mm	<i>Light showers</i>	<i>Light showers</i>	Moderate showers	Moderate showers	<i>Light showers chance</i>	<i>Sunny intervals</i>	<i>Sunny intervals</i>	SSE 12 m/s	27–28 °C 24– 26°C
	Junju	20-22mm	<i>Light showers</i>	<i>Light showers</i>	Moderate showers	Moderate showers	<i>Light showers</i>	<i>Light showers chance</i>	<i>Sunny intervals</i>	SSE 11 m/s	27–28 °C 24– 26°C
Kilifi South	Mwarakaya	15-17mm	<i>Light showers</i>	<i>Light showers</i>	Moderate showers	Moderate showers	<i>Light showers chance</i>	<i>Sunny intervals</i>	<i>Sunny intervals</i>	SSE 11 m/s	27– 28 °C 21– 26 °C
	Chasimba	17-18mm	<i>Light showers</i>	<i>Sunny intervals</i>	Moderate showers	Moderate showers	<i>Light showers chance</i>	<i>Sunny intervals</i>	<i>Sunny intervals</i>	SSE 11 m/s	27– 28 °C 23– 26 °C
	Mtepeni	20-25mm	<i>Light showers</i>	<i>Light showers</i>	Moderate showers	Moderate showers	<i>Light showers</i>	<i>Light showers chance</i>	<i>Sunny intervals</i>	SSE 11 m/s	27-28°C 23– 26 °C

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			Notes: Light rains < 1-5 mm; Moderate rains 5-20 mm; Heavy rains > 20 mm in 24hrs								
			Tue	Wed	Thurs	Fri	Sat	Sun	Mon		
	Shimo La Tewa	24-27mm	Light showers	Light showers	Moderate showers	Moderate showers	Light showers	Light showers chance	Sunny intervals	SSE 11 m/s	26-27°C 23– 26 °C
Kilifi North	Matsangoni	13-15mm	Light showers	Sunny intervals	Moderate showers	Moderate showers	Light showers	Light showers chance	Sunny intervals	SSE 11 m/s	26-28°C 23– 26 °C
	Watamu	16-20mm	Light showers	Light showers	Moderate showers	Moderate showers	Light showers chance	Light showers chance	Sunny intervals	SSE 11 m/s	26– 27°C 24– 26 °C
	Mnarani	17-20mm	Light showers	Sunny intervals	Moderate showers	Moderate showers	Light showers	Light showers chance	Sunny intervals	SSE 11 m/s	27-28°C 23– 26 °C
	Takaungu village	21-25mm	Light showers	Sunny intervals	Moderate showers	Moderate showers	Light showers	Light showers chance	Sunny intervals	SSE 11 m/s	27-28°C 23-26 °C
	Tezo	12-14mm	Sunny intervals	Sunny intervals	Moderate showers	Moderate showers	Light showers chance	Light showers chance	Sunny intervals	SSE 12 m/s	26-29°C 22– 26 °C
	Sokoni	17-20mm	Light showers	Sunny intervals	Moderate showers	Moderate showers	Light showers	Light showers chance	Sunny intervals	SSE 11 m/s	27-28°C 23– 26 °C
	Dabaso	15-17mm	Light showers	Light showers	Moderate showers	Moderate showers	Light showers	Light showers chance	Sunny intervals	SSE 11 m/s	26-27°C 23– 26 °C

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			Notes: Light rains < 1-5 mm; Moderate rains 5-20 mm; Heavy rains > 20 mm in 24hrs								
			Tue	Wed	Thurs	Fri	Sat	Sun	Mon	Weekly	Weekly
	Kibarani	15-17mm	Light showers	Light showers	Moderate showers	Moderate showers	Light showers chance	Light showers chance	Sunny intervals	SSE 11m/s	27– 29°C 23– 26 °C
Ganze	Sokoke	9-10mm	Sunny intervals	Sunny intervals	Light showers	Light showers	Light showers chance	Sunny intervals	Sunny intervals	SSE 11 m/s	27– 30 °C 23 - 26 °C
	Ganze	6-7mm	Sunny intervals	Sunny intervals	Light showers	Light showers	Light showers chance	Sunny intervals	Sunny intervals	SSE 11 m/s	29– 30 °C 21 - 26 °C
	Jaribuni	4-5mm	Light showers	Sunny intervals	Light showers	Light showers	Light showers chance	Sunny intervals	Sunny intervals	SSE 12 m/s	28-29 °C 20 - 26 °C
	Bamba	3-5mm	Sunny intervals	Sunny intervals	Light showers	Light showers	Sunny intervals	Sunny intervals	Sunny intervals	SSE 12 m/s	28-29°C 20-25 °C
Kaloleni	Mariakani	10-12mm	Light showers	Light showers	Light showers	Light showers	Light showers chance	Sunny intervals	Sunny intervals	SSE 11 m/s	28-29°C 20 - 25 °C
	Kayafungo	9-10mm	Light showers	Sunny intervals	Light showers	Light showers	Light showers chance	Sunny intervals	Sunny intervals	SSE 11 m/s	27 – 29°C 21 - 24 °C
	Kaloleni	10-12mm	Light showers	Sunny intervals	Moderate showers	Moderate showers	Light showers chance	Sunny intervals	Sunny intervals	SSE 11 m/s	27-28°C 20-24 °C

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			Tue	Wed	Thurs	Fri	Sat	Sun	Mon	Weekly	Weekly
	Mwana Mwinga	6-7mm	<i>Light showers</i>	<i>Sunny intervals</i>	<i>Light showers</i>	<i>Light showers</i>	<i>Sunny intervals</i>	<i>Sunny intervals</i>	<i>Sunny intervals</i>	SSE 11 m/s	27-28 °C 20- 24 °C
Rabai	Rabai	12-15mm	<i>Light showers</i>	<i>Light showers</i>	<i>Moderate showers</i>	<i>Moderate showers</i>	<i>Light showers chance</i>	<i>Sunny intervals</i>	<i>Sunny intervals</i>	SSE 11 m/s	28-29 °C 21 - 25 °C
	Kambe/Ribe	14-15mm	<i>Light showers</i>	<i>Light showers</i>	<i>Moderate showers</i>	<i>Moderate showers</i>	<i>Light showers chance</i>	<i>Sunny intervals</i>	<i>Sunny intervals</i>	SSE 11 m/s	27 – 28 °C 21 - 25 °C
	Ruruma	12-15mm	<i>Light showers</i>	<i>Light showers</i>	<i>Moderate showers</i>	<i>Moderate showers</i>	<i>Light showers chance</i>	<i>Sunny intervals</i>	<i>Sunny intervals</i>	SSE 11 m/s	28– 29 °C 22 - 25 °C
	Mwawesa	11-12mm	<i>Light showers</i>	<i>Light showers</i>	<i>Moderate showers</i>	<i>Light showers</i>	<i>Light showers chance</i>	<i>Sunny intervals</i>	<i>Sunny intervals</i>	SSE 11 m/s	28-29 °C 22- 26 °C

3. PART III: Marine Forecast

- The week is expected to have a deterioration of ocean conditions in Kenyan waters.
- Moderate to Rough Sea conditions with wind speeds of 10-12m/s in the morning and afternoon and 11-12.5m/s at night are expected.
- Wave heights of 2.0-2.7m are expected.
- Small crafts are advised to venture with caution due to moderate to strong winds and moderate to large waves.
- Fishers are advised to be more cautious while venturing at night due to stronger winds.

Table2: Ocean wave height and wind speed

Max. wind	Tue	Wed	Thurs	Fri	Sat	Sun	Mon
Morning	10-12m/s	10-12m/s	10-12m/s	10-12m/s	10-12m/s	10-12m/s	10-12m/s
Afternoon	10-12m/s	10-12m/s	10-12m/s	10-12m/s	10-12m/s	10-12m/s	10-12m/s
Night	11-12.5m/s	11-12.5m/s	11-12.5m/s	11-12.5m/s	11-12.5m/s	11-12.5m/s	11-12.5m/s
Wave height							
Morning	2.0-2.5	2.0-2.5	2.0-2.7	2.5-2.7	2.5-2.7	2.5-2.7	2.0-2.7
Afternoon	2.0-2.5	2.0-2.5	2.0-2.7	2.5-2.7	2.5-2.7	2.5-2.7	2.0-2.7
Night	2.0-2.5	2.0-2.5	2.0-2.7	2.5-2.7	2.5-2.7	2.5-2.7	2.0-2.7

PART IV: Key on Ocean State

(A)	WAVE HEIGHT RANGE (Metres)	DESCRIPTION	IMPACT
	0.6 – 1.0 m (≈ 1.8 – 3.0 ft)	Slight	Conditions Suitable for Marine Activities
	1.0 – 1.9 m (≈ 3.0 – 5.7 ft)	Slight – Moderate	
	2.0 – 2.9 m (≈ 6.0 – 8.7 ft)	Moderate – Rough	Caution on operating marine activities
	3.0 – 4.0 m (≈ 9.0 – 12.0 ft)	Rough	Warning in place!!! Warning in place and marine activities on hold
	4.1 – 5.5 m (≈ 12.3 – 16.5 ft)	Very Rough	
(B)	WIND RANGE	DESCRIPTION	IMPACT
	< 1 – 7 Knots	Calm to Light breeze	1 – 6 Knots; the ocean is relatively calm with very little disturbance. Suitable for Marine operations
	7 – 21 Knots	Gentle breeze to Fresh breeze	7 – 17 Knots; Small boats are likely to be filled with water sprays and become unstable. Caution in carrying out marine activities
	22 – ≥ 34 Knots	Strong breeze to Extremely Strong breeze	More than 21 Knots: the ocean state is very much disturbed and the prevailing conditions are dangerous for marine operations.

		Warning in place.
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In concurrence with outputs from relevant marine data platforms, acknowledgment is fully accorded to: ESSO- Indian National Centre for Ocean Information Services (INCOIS), Mercator-ocean.fr, COPERNICUS Marine Environment Monitoring Service (CMEMS) and other related sources.

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