



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY

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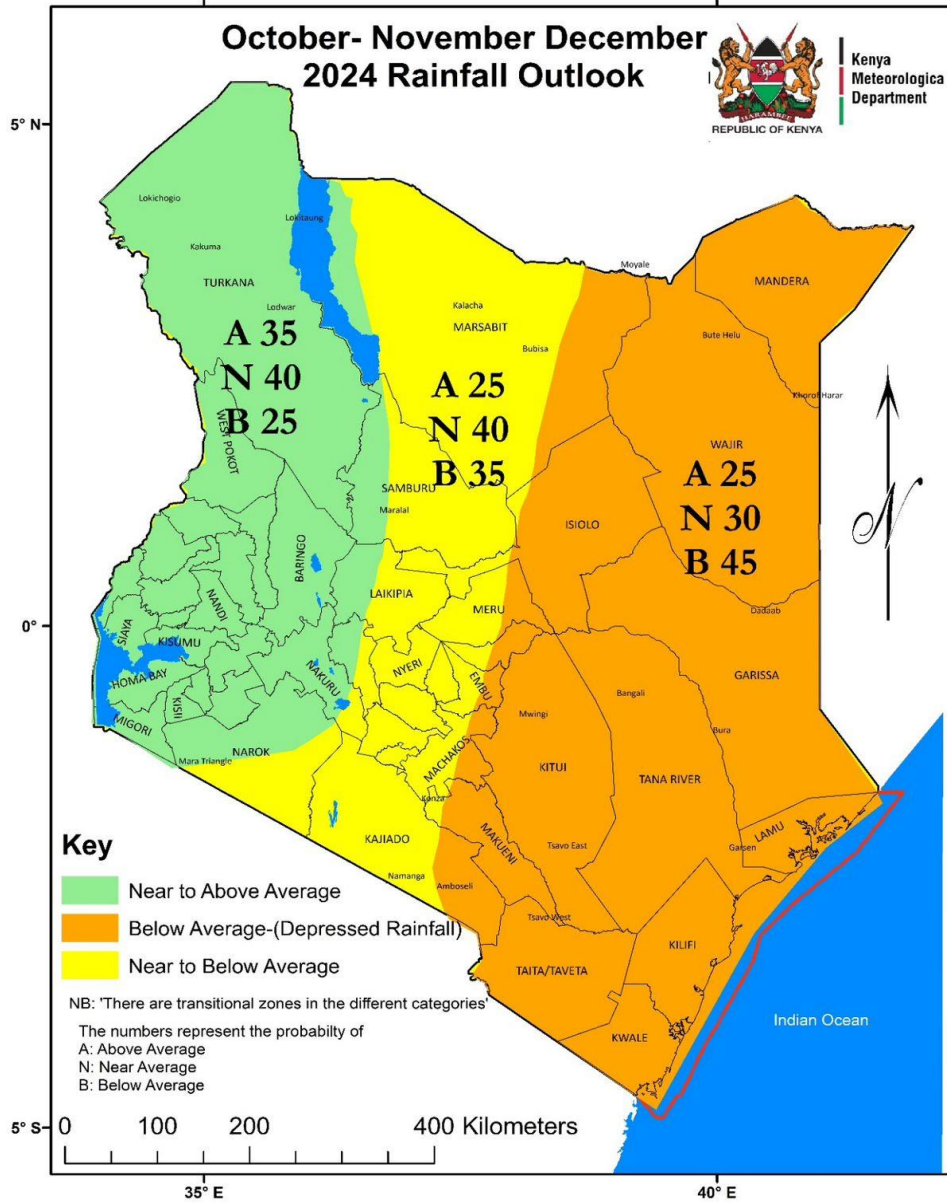
Issue Date: 01/10/2024

EMBU COUNTY WEATHER OUTLOOK FOR THE OCTOBER-NOVEMBER-DECEMBER (OND) 2024 SEASON

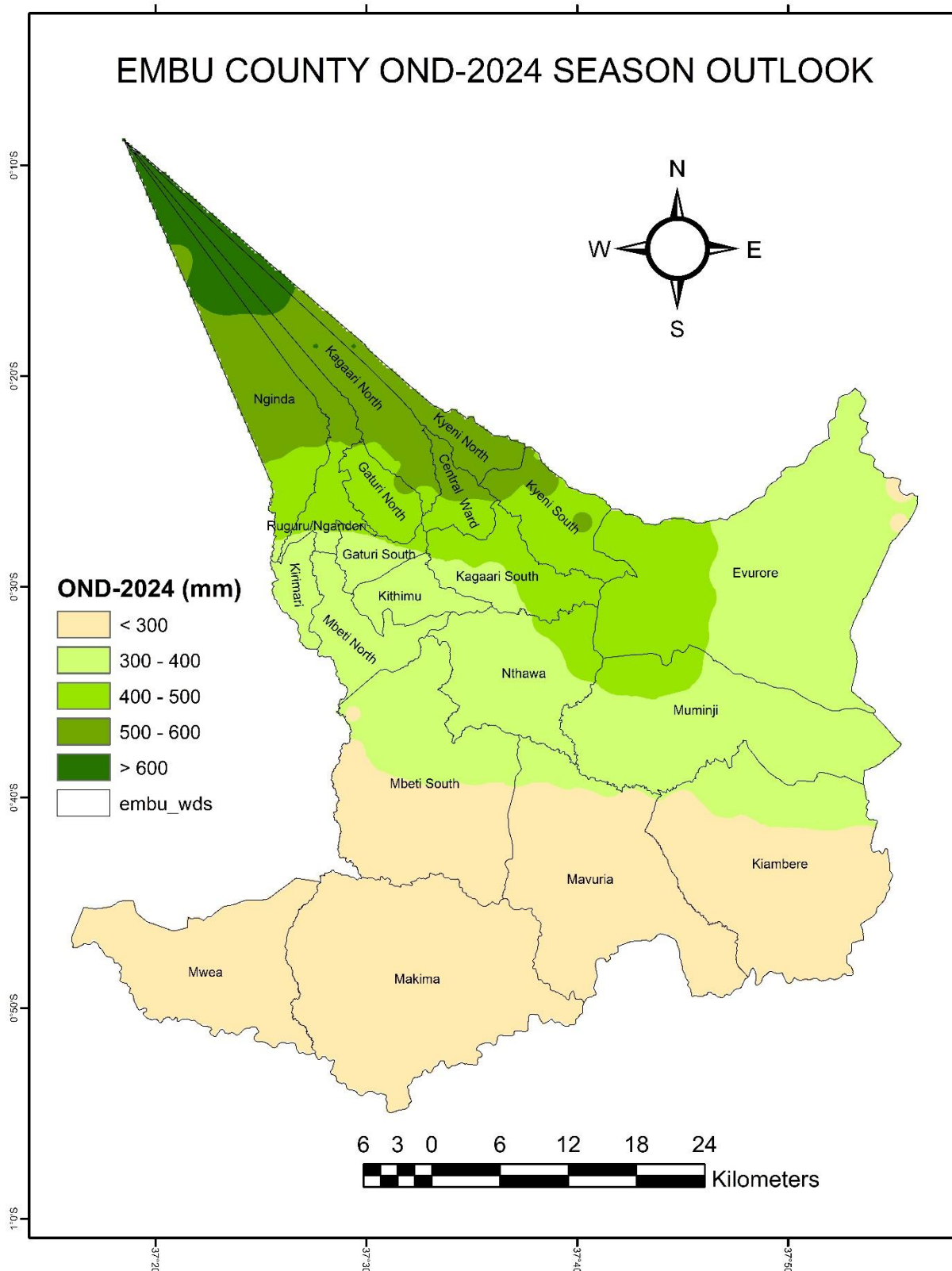
1. HIGHLIGHTS

- *Near Normal to below normal rainfall compared to the October, November, December long term average is expected in Embu County.*
- *This will be driven by weak Lanina conditions, characterized by cooler than average Sea Surface Temperatures over the central and Eastern Equatorial Pacific Ocean along with a neutral Indian Ocean Dipole.*
- *The seasonal rainfall onset is expected from 3rd to 4th week of October 2024 and expected to cease between 1st and 2nd week of December 2024.*
- *Generally, distribution of the rainfall is expected to be poor to fair both in time and space in Embu County.*
- *The peak is expected in the Month of November 2024.*
- *The temperature forecast indicates that warmer than average temperatures are expected over the whole County.*

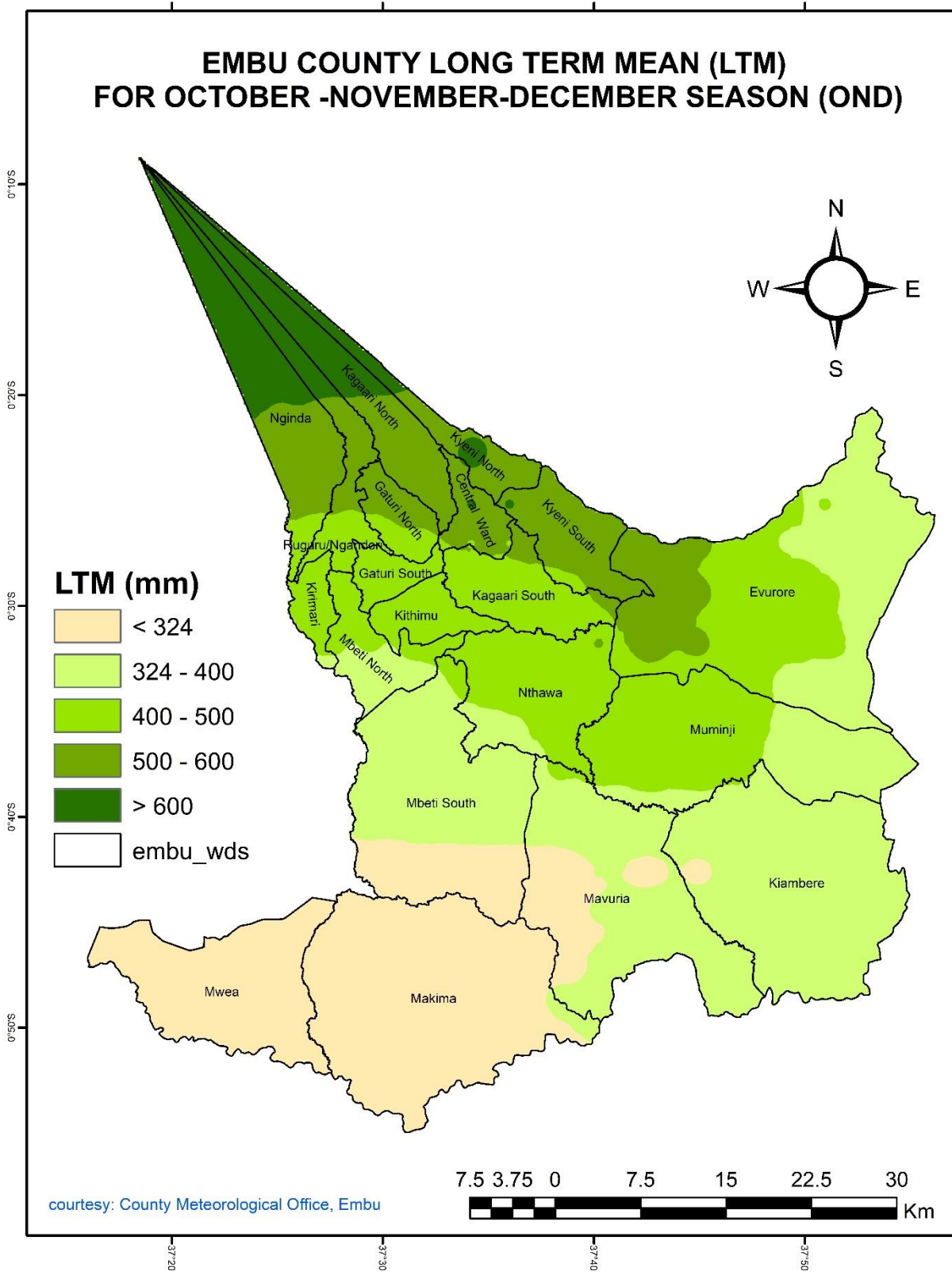
2. OCTOBER – DECEMBER 2024 NATIONAL FORECAST



3. EMBU COUNTY OND 2024 SEASON OUTLOOK.



4. EMBU COUNTY OCTOBER-NOVEMBER-DECEMBER(OND) LONG TERM MEAN



5. OND 2024 Seasonal Forecast by Wards(see exact zones in a ward from above maps)

SNO	Subcounty	Ward	Seasonal amounts in mm	Forecast for OND	Probable onset dates	Probable ceasation dates		
1	Runyenjes	Kyeni North	500 - 600	500 - 600	Between 15 th and 29 th October 2024.	Between 2 nd and 16 th December 2024		
		Kyeni North	>600	>600				
		Kagaari North	500 - 600	400 - 500				
		Kagaari North	>600	500 - 600				
		Kagaari North	>600	>600				
		Gaturi North	400 - 500	400 - 500				
		Gaturi North	500 - 600	500 - 600				
		Runyenjes Central	400 - 500	400 - 500				
		Runyenjes Central	500 - 600	500 - 600				
		Kagaari South	400 - 500	300 - 400				
		Kagaari South	500 - 600	400 - 500				
		Kyeni South	400 - 500	400 - 500				
		Kyeni South	500 - 600	500 - 600				
		2	Manyatta	Nginda			400 - 500	300 - 400
				Nginda			500 - 600	400 - 500
				Nginda			>600	500 - 600
Nginda	>600			>600				
Ruguru	400 - 500			300 - 400				
Ruguru	500 - 600			400 - 500				
Ruguru	>600			500 - 600				
Ruguru	>600			>600				
Kirimari	324 - 400			300 - 400				
Kirimari	400 - 500			300 - 400				
Mbeti North	324 - 400			300 - 400				
Mbeti North	400 - 500			300 - 400				
Kithimu	400 - 500			300 - 400				
Gaturi South	400 - 500			300 - 400				
Gaturi South	400 - 500			400 - 500				
3	Mbeere North			Muminji	324 - 400	300 - 400		
		Muminji	400 - 500	400 - 500				
		Evurore	324 - 400	<300				
		Evurore	400 - 500	300 - 400				
		Evurore	500 - 600	400 - 500				
		Nthawa	324 - 400	300 - 400				
		Nthawa	400 - 500	400 - 500				
		4	Mbeere South	Mwea	<324	<300		
Makima	<324			<300				
Makima	324 - 400			<300				
Mbeti South	<324			<300				
Mbeti South	324 - 400			300 - 400				
Mavuria	<324			<300				
Mavuria	324 - 400			300 - 400				
Kiambere	<324			<300				
Kiambere	324 - 400			300 - 400				

6. RECOMMENDATIONS.

1) Choosing the right crops to plant

-To minimize risks, choose the crops whose seasonal crop water requirements is within the lower limit value of the predicted range.

2) Onset dates

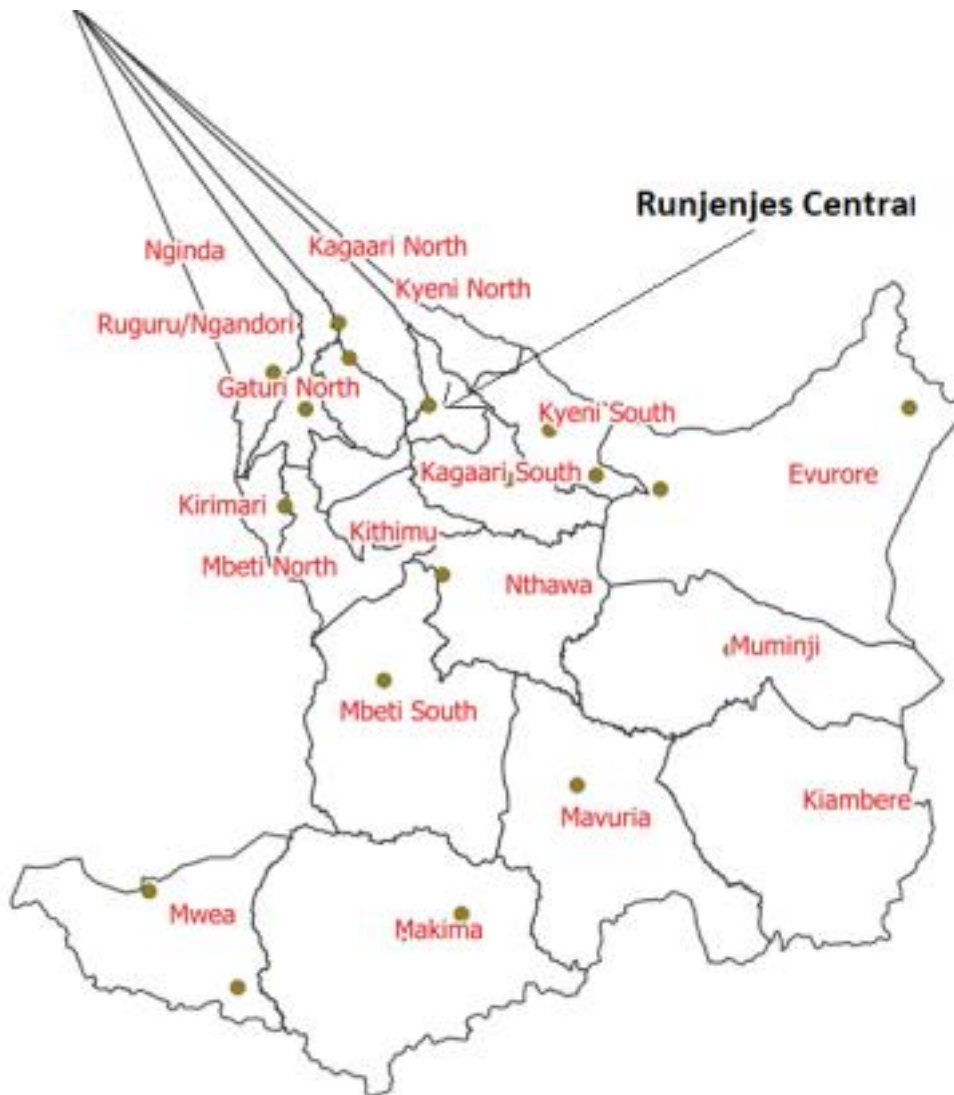
-The onset dates predicted in this seasonal forecast should be used in conjunction with weekly weather updates which are more accurate.

7. HOW TO GET WEATHER UPDATES

You can get weekly weather updates from the County Forecast Folder in the KMD website i.e

<https://meteo.go.ke/node/4942> every Monday evening or Tuesday Morning.

8. EMBU COUNTY WARDS MAP



9. ADVISORIES

9.1 Agriculture, Food Security and Livestock Sectors

The farming communities are advised to take advantage of the expected rains and maximize on crop yield through appropriate farming and land-use management procedures. Farmers are advised to liaise with the County Department of Agriculture for advice on the appropriate time to plant and appropriate seeds, etc.

9.2 Disaster Management Sector

In the Mbeere sub-counties, where depressed rainfall is expected, lack of pasture and water for domestic use and livestock are likely to be experienced. Human-wildlife and inter-community conflicts over the limited resources are likely to escalate in these areas, where cases of malnutrition and food shortage are also expected to increase. Relevant government authorities should therefore put in place the necessary contingency plans and early actions to avoid loss of lives.

9.3 Transport and Public Safety

The expected flash floods may lead to destruction of transport systems, especially infrastructure in low-lying areas. County Government of Embu is also advised to clear drainages in good time to avert artificial flooding of the urban estates.

9.4 Water and Energy Sector

Availability of water for general and domestic use is expected to continue deteriorating especially in the lower zones of Embu County due to the expected depressed rainfall. Residents are urged to enhance rain water harvesting both on roof catchment and surface runoff.

Water levels in dams and water pans is expected to reduce. Reduced inflows into the water reservoirs and hydropower dams may negatively affect hydropower generation. Careful reservoir management and continuous monitoring of water levels should be carried out in order to stabilize power production.

9.5 Health Sector

Diseases associated with lack of proper nutrition and poor hygiene due to scarcity of food and water are likely to increase over the lower zones. Thus rapid vulnerability assessment should be carried out as well as provide food relief and food supplements to the vulnerable and most vulnerable population respectively.

Water scarcity may lead to water washed and water related diseases. Measures should therefore be put in place to strengthen treatment services as well as provide drinking and domestic water in the lower zones.

9.6 Environment

Cases of deforestation and vegetation degradation are expected to increase as people look for alternative livelihoods such as charcoal burning due to drought. Measures should be put in place to improve on drought support livelihoods.

NB: This forecast should be used together with the 24-hour, 5-day, 7-day, monthly and regular updates/advisories issued by this department as well as weekly forecast issued by County Meteorological office.

COUNTY DIRECTOR METEOROLOGICAL SERVICES EMBU.