



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT

NAKURU COUNTY METEOROLOGICAL OFFICE

March, April, May, 2025 Seasonal Forecast
Date of issue: Friday 7th March, 2025

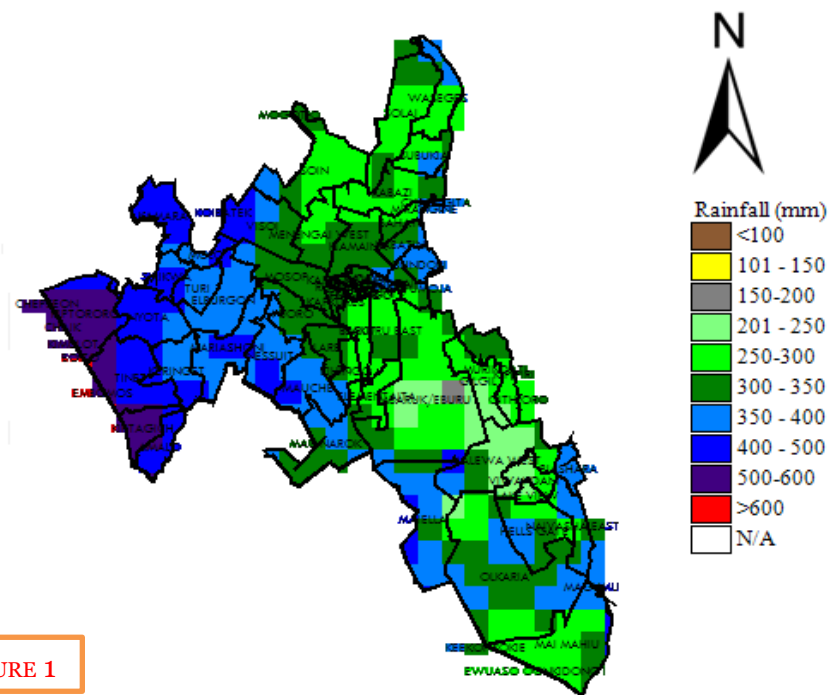


FIGURE 1

NAKURU COUNTY LONG RAINS SEASONAL FORECAST(MARCH-APRIL-MAY)2025

Figure 1 above shows the volume of rainfall in mm predicted in each ward of Nakuru County during this March-April-May, 2025 long rains season.

The areas highlighted in **grey colour**, over few pockets of the eastern sector of the county, are predicted to receive the least amounts of rainfall ranging between (150 – 200) mm while the wards highlighted in **purple colour**, mainly in the extreme western block of the county, are predicted to receive the highest amounts of rainfall ranging between (500 - 600) mm. However, few pockets may receive less than 150mm while others may as well receive more than 600mm of rainfall. This is an indication of normal to slightly above normal rainfall performance for the bigger part of the county. Areas along the borders to the extreme west of the county are predicted to receive the highest amounts of rainfall in this up-coming season.

These high rainfall areas are possible catchment sources of most county seasonal rivers and this means more volumes of water will be flowing into the rivers during the up-coming rainy season and hence a possibility of occasional flash floods during the season.

BRIEF COUNTY RAINFALL OUTLOOK MAM 2025

The occasional rainfall in some few parts of Nakuru County, especially over the high ground areas and over large water bodies, is predicted to continue and spread to the whole county during the fourth week of this month to first week of April 2025. The rains will continue until June in some wards. The cessation of rainfall is expected to occur during the fourth week of May to first week of June 2025 as summarised in table 1 below.

EXPECTED ONSET AND CESSATION DATES

Table1.

SUB-COUNTY	ONSET	CESSATION
All Sub-Counties	Current Rainfall in some few parts of the county continues and spreads to the whole county during the 4 th week of March to 1 st week of April, 2025.	Expected during the 4 th week of May to 1 st week of June, 2025.

Much of the County is expected to receive normal to slightly above normal rainfall during the upcoming March, April and May long rains season.

The March, April and May, 2025 rainfall season is expected to be fairly distributed in all wards in the County both in temporal and spatial during the peak month of April, 2025.

This climate information service is vital in the county for undertaking tree planting activities, water harvesting as well as carrying out farming activities in potential agricultural areas in the entire county to enhance food security status.

Farmers are therefore advised to consult local agricultural extension office for advice on how to plan their farming activities in light of this useful climate information service in order to maximize opportunities and mitigate uncertainties associated with the expected rainfall performance in the entire county.

Analysis on the trends in Figure 1 above on Nakuru County Forecast shows different colour patterns in most of the wards, depicting normal to slightly above normal amounts in volume of rainfall throughout all the sub- counties.

The analysis is a further pointer to high chances of Nakuru County receiving normal rainfall in most of the wards in this up-coming March-April-May rainy season.

For purposes of comparison and contrast, Figure 2 below shows the long term mean for long rains (March-April-May) in each ward in Nakuru County for the last thirty years from the year 1991 to 2020.

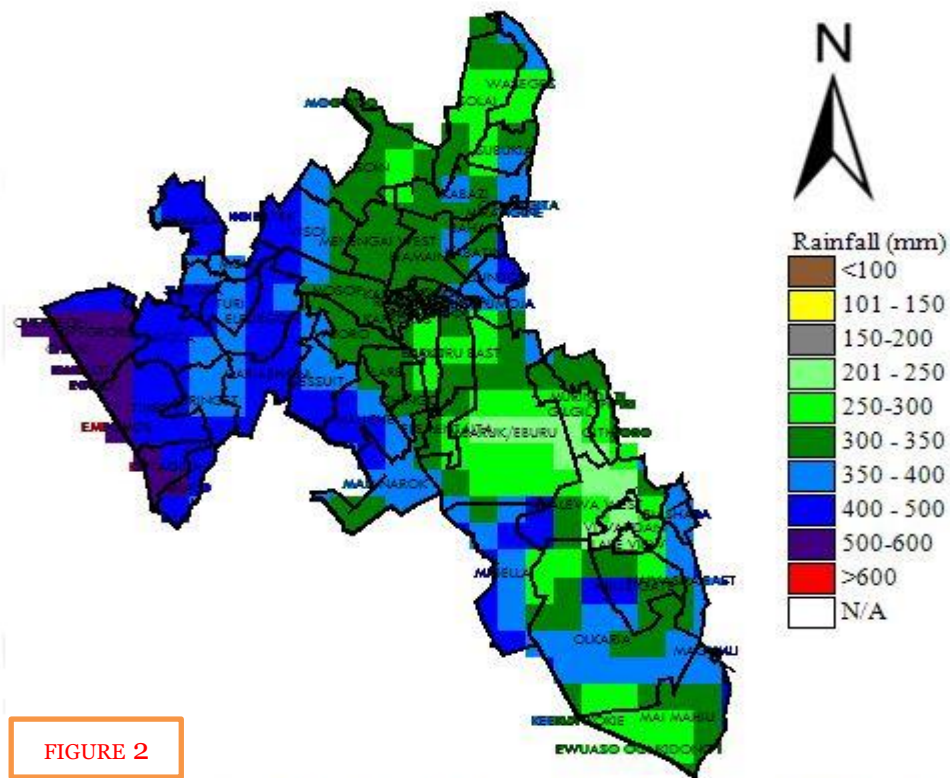


FIGURE 2

NAKURU COUNTY MARCH -APRIL-MAY LONG TERM MEAN FOR 30YEARS (1991-2020)

NAKURU COUNTY CLIMATIC ZONES

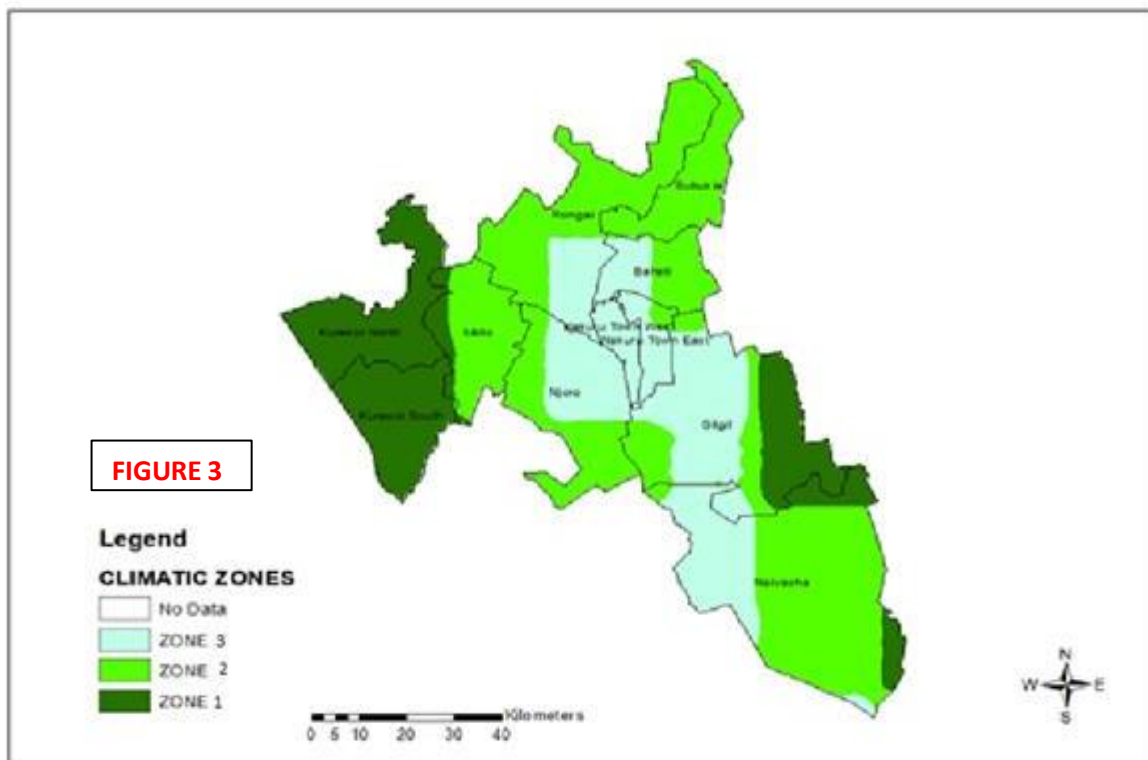


FIGURE 3

Figure 3 above is a map of all Nakuru sub-counties showing the link between Nakuru climatic zones and the distribution of the March-April-May season, 2025.

Figure 4 below shows the rainfall difference between the long-term average for 30 years (1991-2020) and the forecasted rainfall in March-April-May, 2025 seasonal forecast.

The rainfall difference in this season portrays a possibility of majority of the wards in the county getting (20 – 20) mm of rainfall, in line with their climatic mean. This is shown by plain colour in the legend on the Figure.

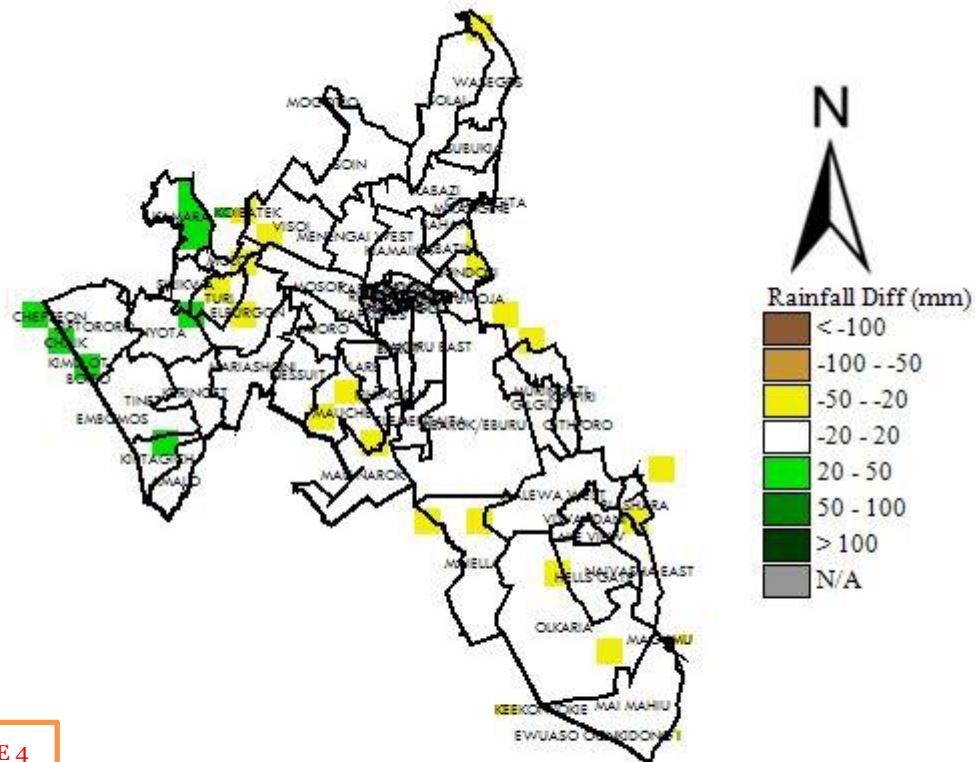


FIGURE 4

Rainfall Difference between climatological and conditioned scenario for 50th percentile rainfall for the NAKURU MAM2025 region, conditioned on the CDM NAKURU2025 forecast.

During this up-coming rainy season, few parts of zone 1 of Figure 3 above, mainly in the western block of the county, will get the highest amounts of rainfall. Most parts of zones 2 and 3 of the same Figure will receive normal amounts of rainfall in this season. But overall, all zones will receive relatively normal rainfall compared to their long term means as displayed on the Nakuru County Forecast Figure 1 above.

In summary, areas along the county borders to the extreme west of the county (Kuresoi North and Kuresoi South Sub-Counties), parts of Njoro and Molo Sub-Counties and few other pockets elsewhere, are projected to receive the highest amounts of rainfall in this season.

Rainfall on all zones will continue from March to May, 2025 and cessation of rainfall activities is projected to occur during the 4th week of May to 1st week of June, 2025.

SECTOR AND LIVELIHOOD ADVISORIES.

Table 2.

SECTOR	NORMAL TO SLIGHTLY ABOVE NORMAL RAINFALL
AGRICULTURE	<ul style="list-style-type: none"> ❖ Prepare land for planting early in advance. ❖ Plant early maturing crops, ❖ Promote cereal banking, ❖ Develop structures to minimize the speed of surface runoff along the fields e.g trapezoidal bunds, contours and trees. ❖ Use Climate Information Service and Weather Forecasts for mitigation and adaptation plans. ❖ Ensure canals are ready in irrigated localities. ❖ Plant and farm at least 30m from the river. ❖ Plant variety of crops to enhance food security. ❖ Avoid planting when it's raining. ❖ etc.
LIVESTOCK AND VETERINARY	<ul style="list-style-type: none"> ❖ Migrate to safer grounds when necessary. ❖ Do e-surveillance to map animal diseases. ❖ Deworm your animals to keep diseases away. ❖ Do restocking as there may be inadequate pasture in some places. ❖ Reseed the rangelands to enhance availability of grass. ❖ Conserve grazing lands and water reserves. ❖ Report immediately occurrence of any animal diseases. ❖ etc.
FISHERIES	<ul style="list-style-type: none"> ❖ Avoid fishing while windy or rainy. ❖ Expand the preservation and storage facilities. ❖ Wear life jackets while fishing. ❖ Ensure proper hygienic measures of fishing equipment and at landing sites. ❖ etc.
EDUCATION	<ul style="list-style-type: none"> ❖ Children should not swim or dare cross flowing rivers. ❖ Children should not be released from schools when raining. ❖ Children should not shade themselves under tall trees when showering. ❖ Children should avoid walking barefooted to prevent themselves

	<p>from being struck by lightning when thundering and showering.</p> <ul style="list-style-type: none"> ❖ Children should stay away from windows and doors when precipitating to minimize chances of being struck by lightning. ❖ Pupils should be escorted by parents or guardians when crossing flooded rivers. ❖ etc.
HEALTH AND NUTRITION	<ul style="list-style-type: none"> ❖ Treat water all the time to prevent water borne diseases. ❖ Ensure drugs are available for human use when necessary. ❖ Sleep under treated nets to prevent mosquito bites. ❖ Always use toilets to avoid water borne diseases. ❖ Always wash hands after visiting washrooms. ❖ Clean utensils and dry them thoroughly under the sun. ❖ Cover small infants with blankets at night to avoid pneumonia. ❖ Clear drainage systems channels to enhance easy flow of water. ❖ Eliminate stagnant water to prevent mosquito breeding. ❖ Sensitize on food preservation (vegetables, milk, meat for future). ❖ Sensitize on importance of exclusive breastfeeding even if alternative foods are available. ❖ etc.
WATER	<ul style="list-style-type: none"> ❖ Rehabilitate and desilt dams and water pans. ❖ Ensure water sanitation hygiene promotion(wash) is in place. ❖ Unblock drainage systems in urban centers early enough. ❖ Carry out water harvesting during rainy season. ❖ etc.
ENVIRONMENT AND FORESTRY	<ul style="list-style-type: none"> ❖ Provide tree seedlings for planting to improve forest cover in the county. ❖ Avoid cutting down indigenous trees. ❖ Mobilize community to plant trees during the rainy season. ❖ etc.

Recommendations.

This climate information service is vital if well utilized and enhances mitigation and adaptation strategies as well as building resilience among our beloved communities in the entire county.

The National Government, the County Government and the Non-governmental organizations should be well prepared in advance on how to tackle and manage any uncertainties as well as opportunities associated with rains that are expected in the County in order to safe life, protect property and Environment in general.

Way forward

This forecast should be used as guidance in advance planning and preparedness by decision makers and public in various climate sensitive sectors and also it should be used in conjunction with 24- hour, 5- day, 7-day and monthly forecasts and regular updates issued by Kenya Meteorological Department.

For further information, please contact:

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