



KENYA METEOROLOGICAL DEPARTMENT DEKADAL AGROMETEOROLOGICAL BULLETIN

WEATHER AND CROP REVIEW FOR DEKAD 10, 1ST -10TH APRIL, 2017

HIGHLIGHTS ON RAINFALL AND TEMPERATURE

Rainfall activities decreased in intensity but spatial distribution remained the same during the dekad. Katumani station in Eastern region recorded the highest rainfall amount of 104.8mm compared to 139.1mm reported at Kakamega station in Western region in the last dekad. Kabete station in Nairobi region received the highest rainfall amount of 75.7mm. Nyanza region reported the highest rainfall amount of 59.5mm at Kisii station. Kericho station in Rift Valley region received the highest rainfall amount of 39.9mm. Western region recorded the highest rainfall amount of 39.1mm at Kakamega station. Nyeri station in Central region received the highest rainfall amount of 24.3mm. North Eastern region reported the highest rainfall amount of 15.5mm at Garissa station while Malindi station in Coastal region received total rainfall amount of 10.5mm.

Maximum temperatures decreased while minimum temperatures decreased drastically. Lodwar station in North Eastern region reported the highest maximum temperature of 38.0°C compared to 38.8°C recorded at Mandera station in the same region in the last dekad. Nyahururu station in Central region continued to record the lowest minimum temperature of 7.8°C compared to 8.2°C reported in the same station in the last dekad.

For a more comprehensive summary of rainfall and other meteorological parameters, see Figures 3.1 to 3.4 as shown below.

CROP AND WEATHER REVIEW FOR DEKAD 10, 1ST - 10TH APRIL, 2017

2.1 NYANZA AND WESTERN REGIONS

2.1.1 Kakamega

Total rainfall amount recorded was 39.1mm. The mean air temperature and total pan evaporation reported was 23.5°C and 60.1mm respectively.

Maize and Beans are still in emergence stage and in fair state. However some crops have been affected by army worms.

2.1.2 Kisii

The station recorded total rainfall amount of 59.5mm. The mean air temperature and total Pan Evaporation reported were 22.3°C and 48mm respectively.

Maize was still at emergence stage while the beans were at flowering stage and in emergency state. Most farmers have started weeding their crops.

2.2 RIFT VALLEY REGION

2.2.1 Kitale

The station recorded total rainfall amount of 8.2mm. The mean air temperature and total Pan Evaporation reported were 21.5°C and 48.2mm respectively.

Maize and Beans were at emergence stage and in fair state.

2.2.2 Eldoret - Kapsoya

The station reported total rainfall amount of 9.7mm. The mean air temperature and total Pan Evaporation were 19.7°C and 78.7mm respectively.

Some farmers have planted their crops.

2.3 CENTRAL KENYA HIGHLANDS AND NAIROBI AREA REGION

2.3.1 Nyeri

Total amount of rainfall recorded was 24.3mm. The mean air temperature reported was 19.8°C. There was no report on total Pan Evaporation.

Some farmers have started planting their crops.

2.3.2 Kabete

The station received 75.7mm of rainfall. Total Pan Evaporation was 47.4mm. There was no report on mean air temperature.

Some farmers have planted their crops.

2.3.3 Nyahururu

The station recorded 14.2mm of rainfall. The mean air temperature and total Pan Evaporation recorded were 16.6 °C and 63.2mm respectively.

Some farmers have planted their crops, but most of them are still on land preparation.

2.3.4 Dagoretti

The station reported total rainfall amount of 29.8mm. Total pan evaporation was 51.3mm and there was no report on Mean air temperature.

No Phenological report.

EASTERN KENYA REGION

2.4.1 Embu

The station recorded 56.2mm of rainfall. Total Pan Evaporation reported was 51.2mm. There was no report on Mean air temperature

Coffee and tea were at emergence stage and in fair state.

2.4.2 Meru

The station received 46.8mm of rainfall. Mean Air Temperature and total Pan Evaporation reported were 20.1°C and 51.3mm respectively.

Most farmers have planted their crops.

2.4.3 Katumani (Machakos)

The station recorded 104.8mm of rainfall. The mean air temperature reported was 20.9°C.

Maize and Beans were at emergence stage and in fair state.

2.5 COASTAL REGION

2.5.1 Msabaha

Total amount of rainfall received was 1.6mm. Total Pan Evaporation reported was 57.6mm and there was no report on mean air Temperature.

Most farmers continue to plant as there was some rainfall within the Dekad.

2.5.2 Mtwapa

The station recorded total rainfall amount of 7.2mm. The Mean air temperature and total pan evaporation recorded were 28.5°C and 64.2mm respectively.

Some farmers have planted their crops. Mangoes were at flowering stage and in fair state.

ANALYSIS OF RAINFALL AND TEMPERATURE CONDITIONS

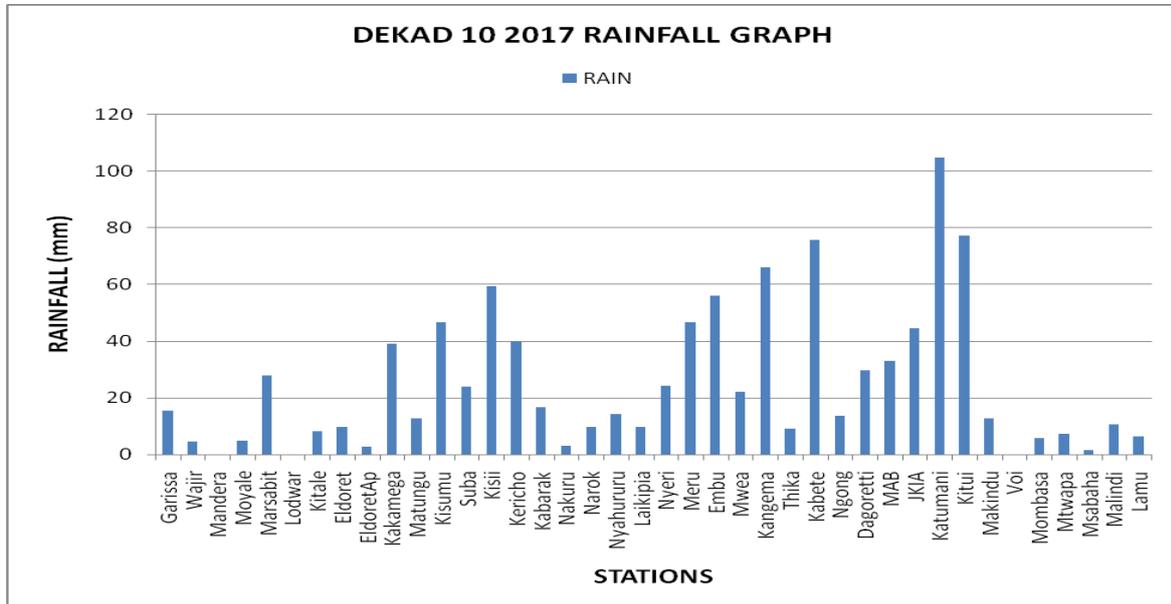


Figure 3.1: Dekadal rainfall totals for dekad 10, 2017

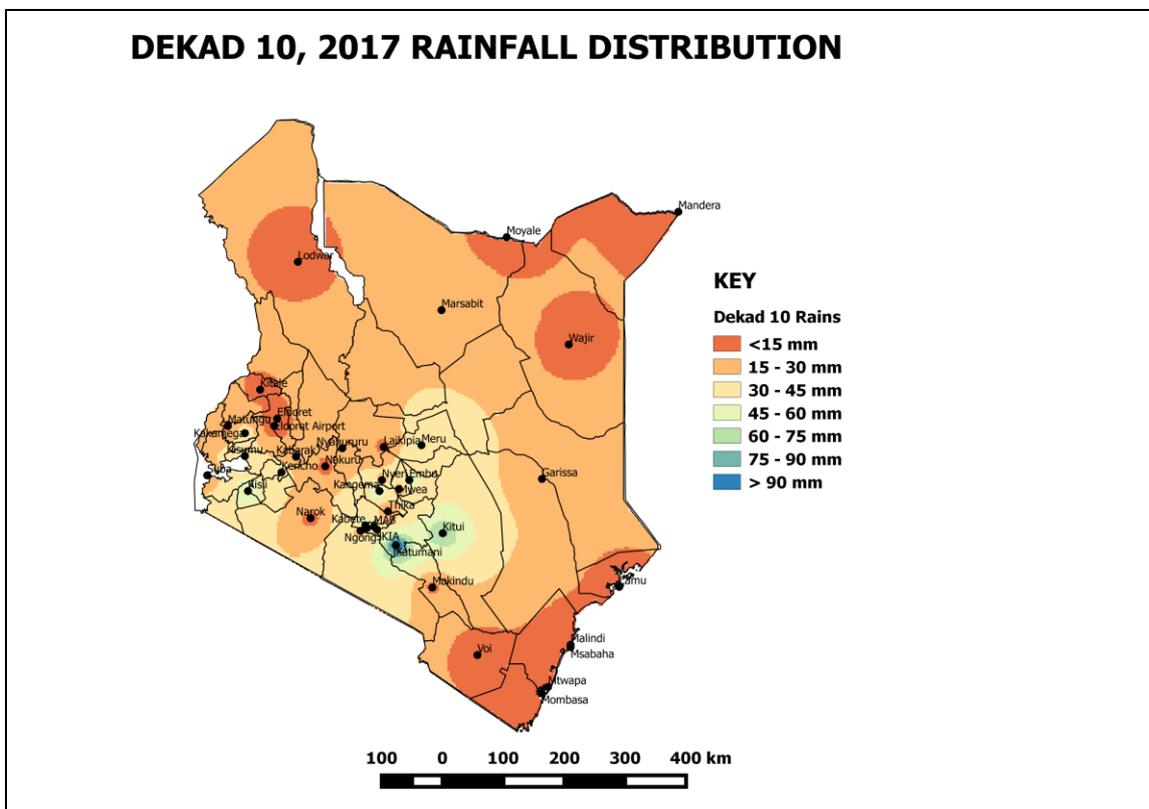


Figure 3.2: Dekadal rainfall distribution for dekad 10, 2017

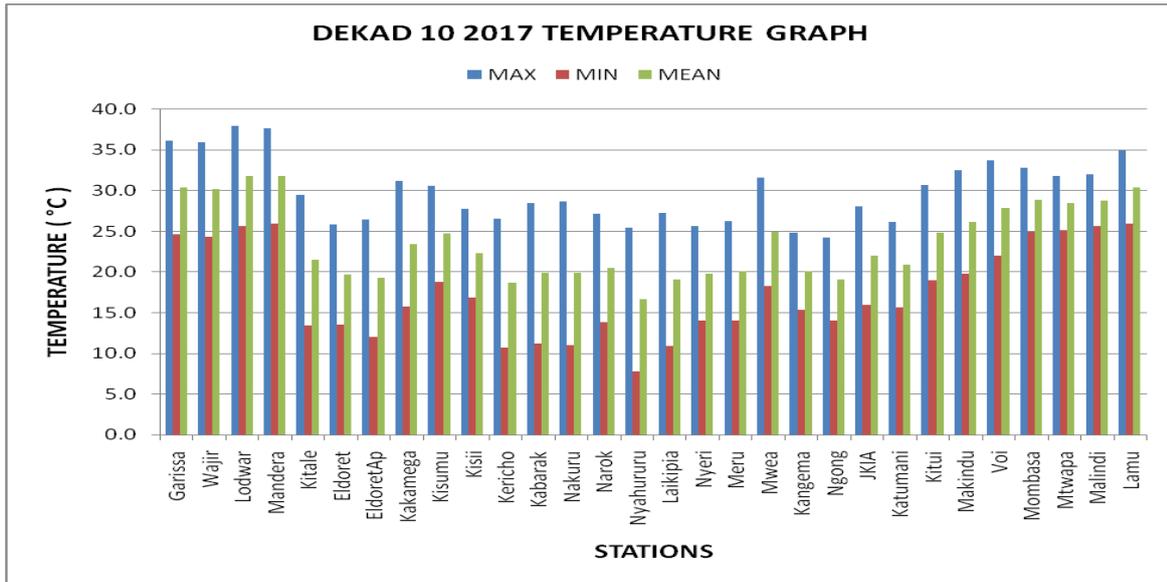


Figure3.3: Maximum, Minimum and Average temperature for dekad 10, 2017

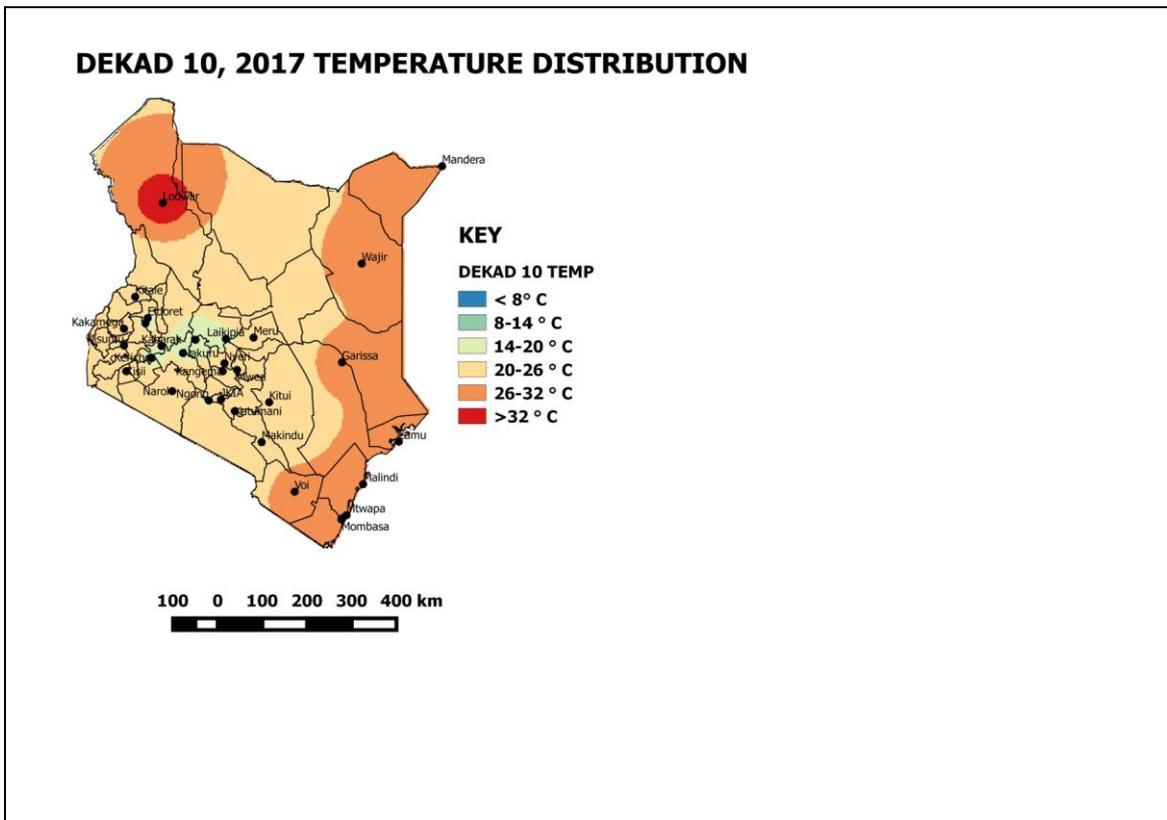


Figure 3.4: Mean temperature distribution for dekad 10, 2017

EXPECTED WEATHER AND CROP CONDITIONS DURING THE NEXT 10 DAYS; 11th to 20th APRIL 2017.

Counties within the Lake Victoria Basin, Highlands west of the Rift Valley, (Nyamira, Kericho, Bomet, Uasin-Gishu, Nakuru, Narok, Trans Nzoia, Elgeyo Marakwet, Nandi, Laikipia, Kajiado, Vihiga and Busia), are expected to experience sunny intervals in the mornings except on the 6th and 7th days when we will experience rains over few places. Afternoons are expected to experience showers and thunderstorms over few places throughout the forecast period.

The showers will continue to benefit the crops like maize and Beans that are in emergence and flowering states in places like Kitale, Kisii and Kakamega.

The Northwestern counties (Turkana, West Pokot and Samburu), are expected to experience sunny intervals the entire day throughout the forecast period.

The expected sunny intervals will have a negative impact on the pasture and the vegetation for the animals kept in these regions.

The Central highlands including Nairobi area (counties of Meru, Murang'a, Kiambu, Nyeri, Nairobi, Embu, Nyandarua, Tharaka and Kirinyaga), mornings are expected to experience sunny intervals except on the 1st, 6th and 7th days of the forecast period when we will experience rains over few places. Afternoons are expected to experience showers over few places except on the 4th and 5th days of the forecast period when we will experience sunny intervals.

The rains and showers will be of advantage to the crops that have been planted in places like Kabete.

Northeastern counties (counties of Marsabit, Mandera, Wajir, Garissa and Isiolo), are expected to experience sunny intervals the entire day except on the 1st, 6th and 7th day of the forecast period when we will experience morning rains over few places.

The expected rains will continue replenishing the pasture for the animals kept in these regions.

Southeastern lowlands (counties of Taita Taveta, Makueni, Machakos and Kitui) are expected to experience sunny intervals in the morning for the entire forecast period. Afternoon are expected to experience sunny intervals except on the 5th and 6th day of the forecast period when we will experience showers over few places

The rains and showers will continue to benefit the vegetation and pasture for the animals kept in these areas.

In the Coastal strip (counties of Mombasa, Malindi, Kilifi, Lamu, Kwale, etc) Mornings are expected to experience sunny intervals except on the 2nd and 5th day of the forecast period. Afternoons are except sunny intervals throughout the forecast period.

The showers will be of great advantage to the crops being planted in places like Msabaha.

For feedback or further guidance, Contact:

Director,
Kenya Meteorological Department,
Agro meteorological Advisory Services Division,
Dagoretti Corner, Ngong Road,
P.O. Box 30259, 00100 GPO, Nairobi
Tel: +254 (0)20 3867880-7/3876957/3873682;
Fax: +254 (0)20 3876955
E-mail: agromet@meteo.go.ke;
Website: www.meteo.go.ke
©2017 Kenya Meteorological Department