



KMD

AGROMETEOROLOGICAL BULLETIN

KENYA METEOROLOGICAL DEPARTMENT

31st Dekad, 1st to 10th November, 2008

Issue No. 31/2008, Season: OND

HIGHLIGHTS

- *During the 31st Dekad i.e. 1st to 10th November, 2008 moderate to heavy rainfall was experienced over the entire Country. The highest Dekadal totals were reported over Western, Nyanza, Central Rift Valley, Central, Nairobi and Eastern provinces, with Kakamega recording 196.4, Kisii-88.0, Kisumu-99.6, Kitale-99.4, Kericho-93.0, Nakuru-75.2, Eldoret-115.5, Eldoret Airport-147.2, Nyahururu-87.2, Narok-55.1, Nyeri-99.6, Embu-98.6, Meru-196.9 Marsabit-287.8, Moyale 39.8, Katumani-90.7, Makindu-79.3mm In Nairobi, Dagoretti-150.7, Wilson Airport-210.6mm, JKIA-100.1mm. In Northeastern province, Garissa-98.7, Mandera-27.1 and Wajir-31.7mm. The Coast province experienced moderate to heavy rainfall with Mtwapa, Malindi, Mshabaha and Mombasa recording 43.0, 45.1, 29.4, and 69.3mm respectively during the Dekad. North Eastern province experienced light to moderate rainfall with Moyale and Mandera, recording 74.8 and 47.1 mm respectively. (Fig 1&2)*
- *The heavy rains have caused serious flooding problems and damages to properties, human displacement, land slides, transportation problems, and loss of human life in some areas especially in Nairobi, Budalangi in Nyanza Province, Pokot and Mandera districts.*
- *Day time temperatures were relatively high over most parts of the country due to persistent sunny conditions. Night temperatures were moderately cool with Nyahururu recording a Dekadal mean minimum of 9.0 deg Celsius and a Dekadal mean of 14.5 deg Celsius. (Fig 2&3)*

- *The pastoral regions and game parks of Northern Rift Valley, Southern Rift Valley, North Eastern and South Eastern lowlands, experienced moderate rainfall which was a relief for pasture regeneration and to water sources for livestock and wildlife. Fewer incidences of wildlife and human conflict have been reported in areas bordering game parks and game reserves. (Figs. 1, 2, 3, 4 & 5).*

CROP AND WEATHER REVIEW **(1st to 10th October 2008)**

Central Province and Nairobi area:

Heavy rainfall was experienced over several parts of Central province, Nairobi area and its environs. The maize crop is at the emergence stage and is doing well and corresponding to normal growth. The bean crop is at the flowering stage and is corresponding to normal growth, however too much rainfall may adversely affect the crop especially in the low lying areas. First weeding and top dressing is taking place. (Figs.1, 2, 3 & 4).

Eastern Province:

Heavy rainfall was experienced in parts of Embu and Meru districts bordering Mt. Kenya. The maize crop is at the emergence stage and is doing well and corresponding to normal growth. The bean crop is at the flowering stage and is corresponding to normal growth, however too much rainfall may adversely affect the crop especially in the low lying areas. First weeding and top dressing is taking place. (Figs.1, 2, 3 & 4).

In the Southern Lowlands (Machakos, Makueni, Mwingi and Kitui districts) experienced moderate to heavy rainfall and planting is complete. Famine and its related impacts is still being experienced in most parts of these regions and food distribution to the most vulnerable livelihoods is taking place to avert the current food situation.

Pastures and water for livestock and wildlife has improved resulting in fewer incidences of animal/human conflict. (Figs.1, 2, 3,4,& 5).

Coast Province:

Moderate to heavy rainfall was received in this region during the review period and planting is complete in very few farms. Land is normally left furrow during the short rain season. (Figs.1, 2,3&4)

North Eastern Province:

Moderate to heavy rainfall was experienced during the dekad resulting in improved pasture regeneration and water sources for livestock, wildlife and human use. Heavy rainfall has been reported in Mandera district posing serious health problems and likely outbreak of waterborne diseases. Despite the rains, hunger is still being experienced and malnutrition level is high especially among young children. (Figs.1, 2, 3,4& 5).

Western Province:

Heavy rainfall was received in several places in this region (Kakamega, Bungoma, Busia, Eldoret and Kitale). Harvesting of last season's maize crop is taking place with normal yields being reported. Rains during the harvest season may adversely affect both harvesting processes and post-harvest operations. This season's bean crop is at the flowering stage. (Figs.1,2,3 & 4).

Nyanza and Central Rift Valley:

Heavy rainfall was received in this region. In Nyanza maize crop is at the flowering stage, second weeding is taking place. For Central Rift Valley crops are doing well and corresponding to normal growth with normal yields being expected. In areas around Kisumu the maize is at the emergence stages and beans crop is at the flowering stage (Figs 1,2,3 & 4)

Northern and Southern Rift Valley:

Light to moderate rainfall were experienced in several places of the Northern Rift and North Western regions during the dekad, resulting in improved pasture regeneration and water sources for livestock, wildlife and human use. Despite the rains, hunger is still being experienced and malnutrition level is high especially among young children. (Figs.1-5).

DEKADAL RAINFALL

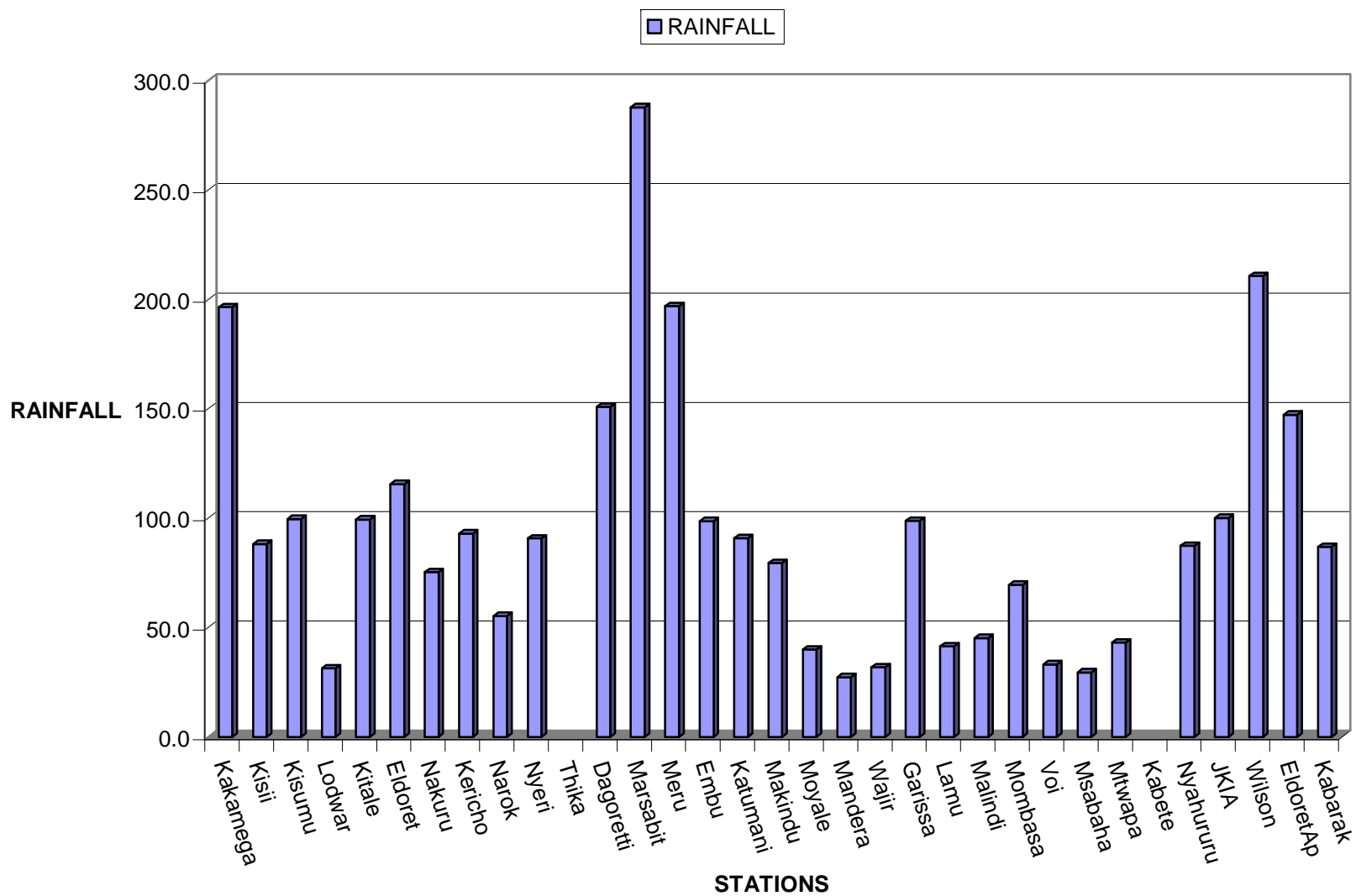


Fig. 1: Actual Rainfall (1st to 10th November 2008) in mm

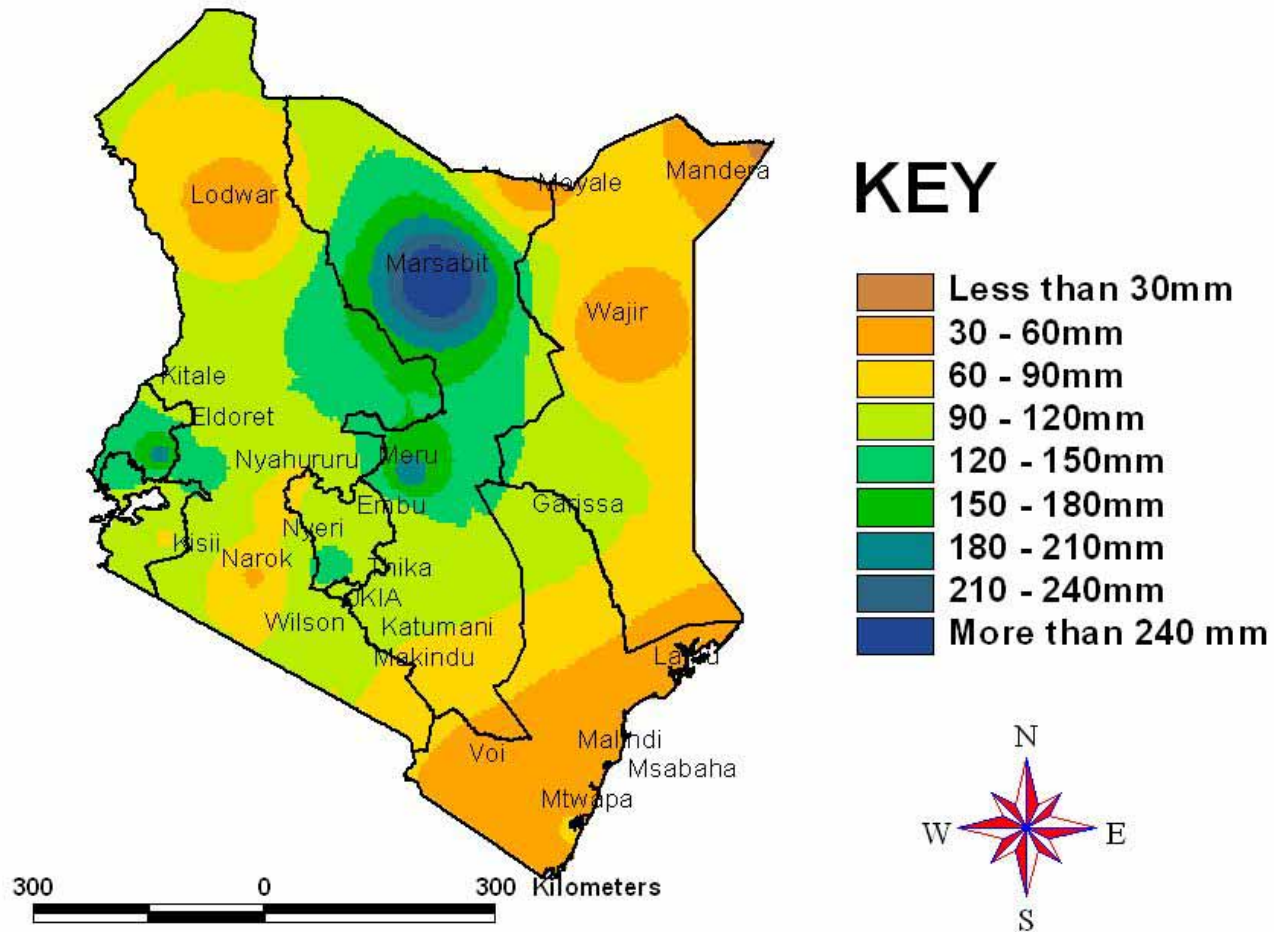


Fig. 2: Actual Rainfall (1st to 10th November 2008) in mm

DEKADAL TEMPERATURES

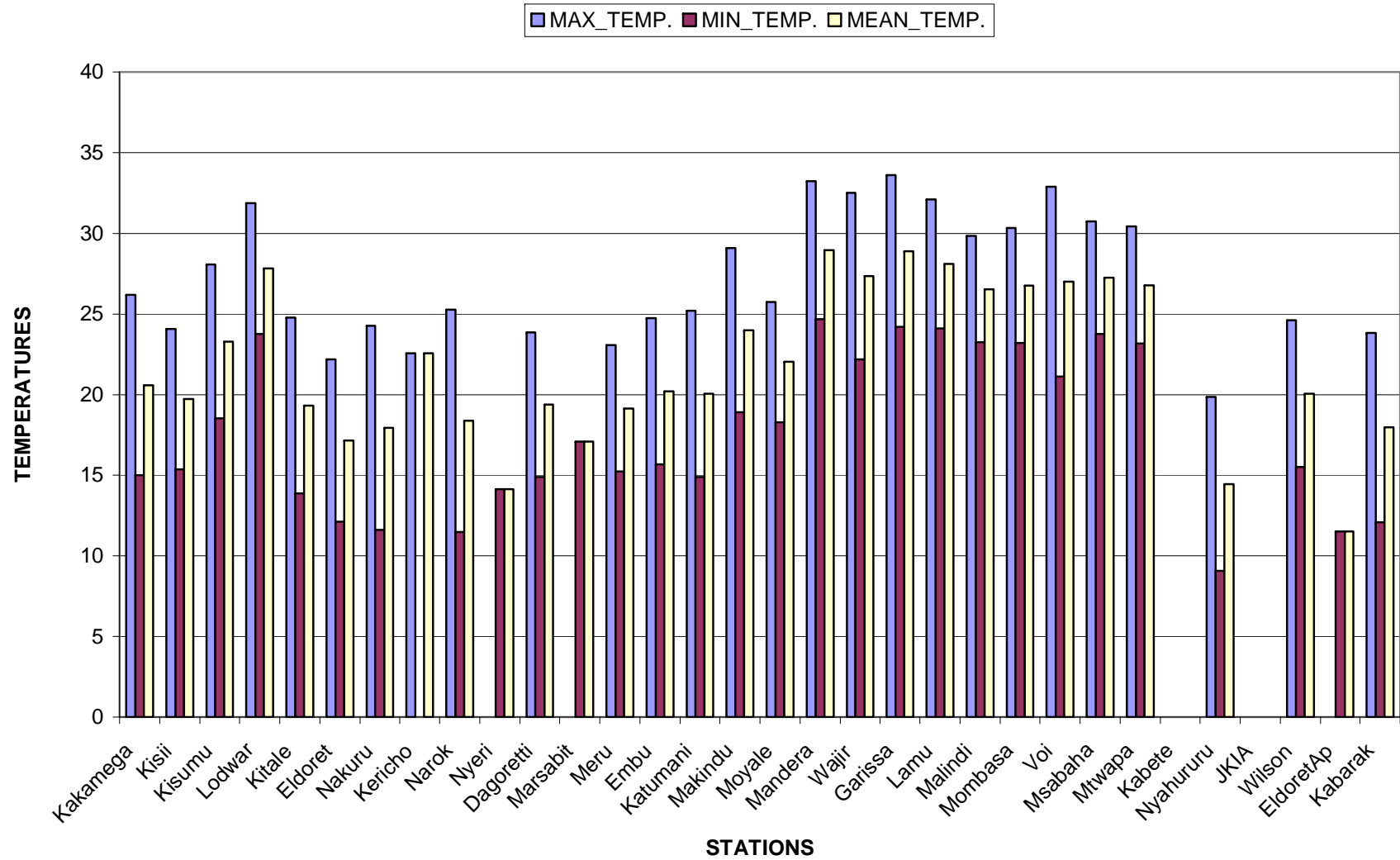


Fig 3: Mean Temperatures ((1st to 10th November 2008) deg. Celsius

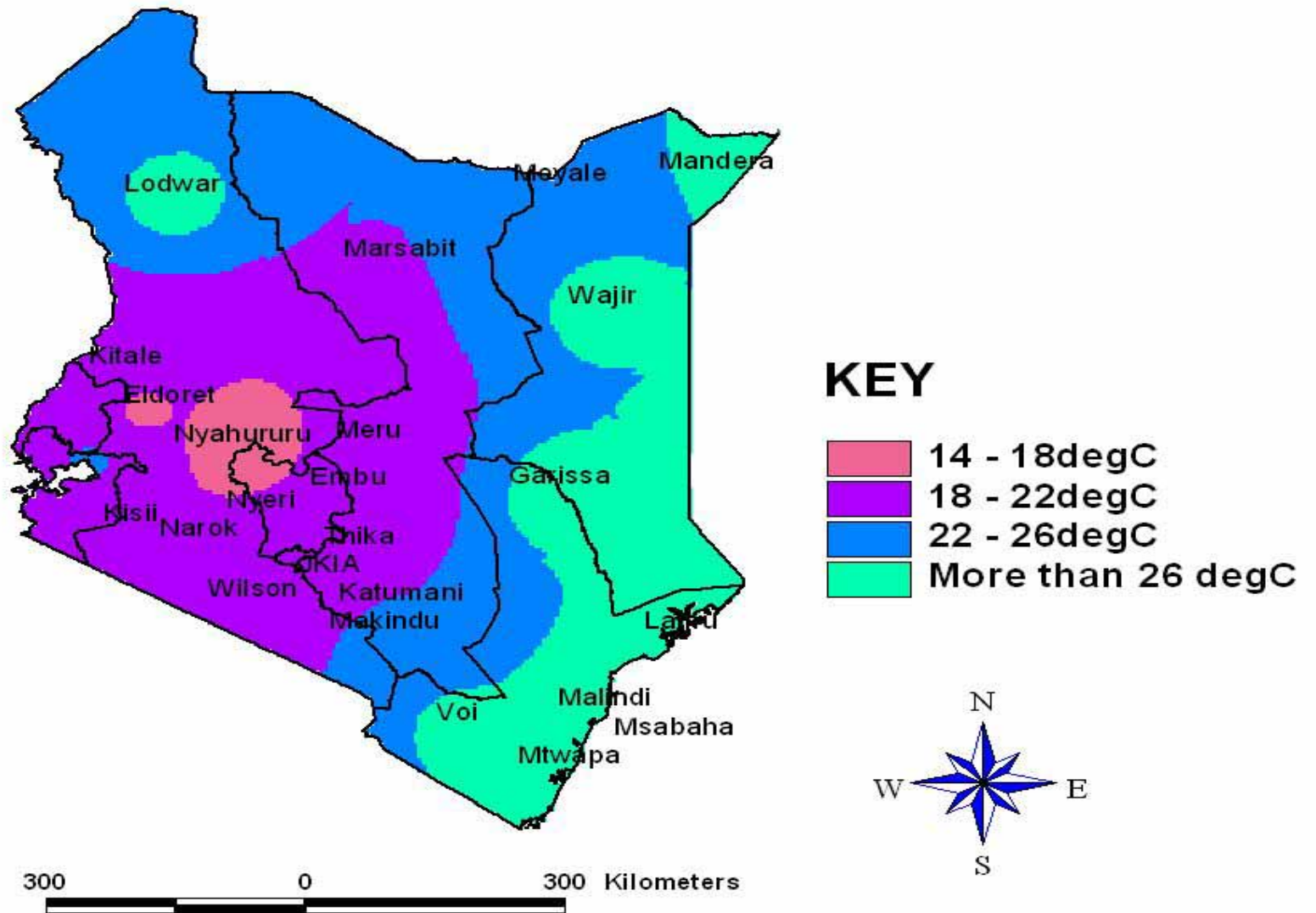


Fig 4: Mean Temperatures ((1st to 10th November 2008) deg. Celsius

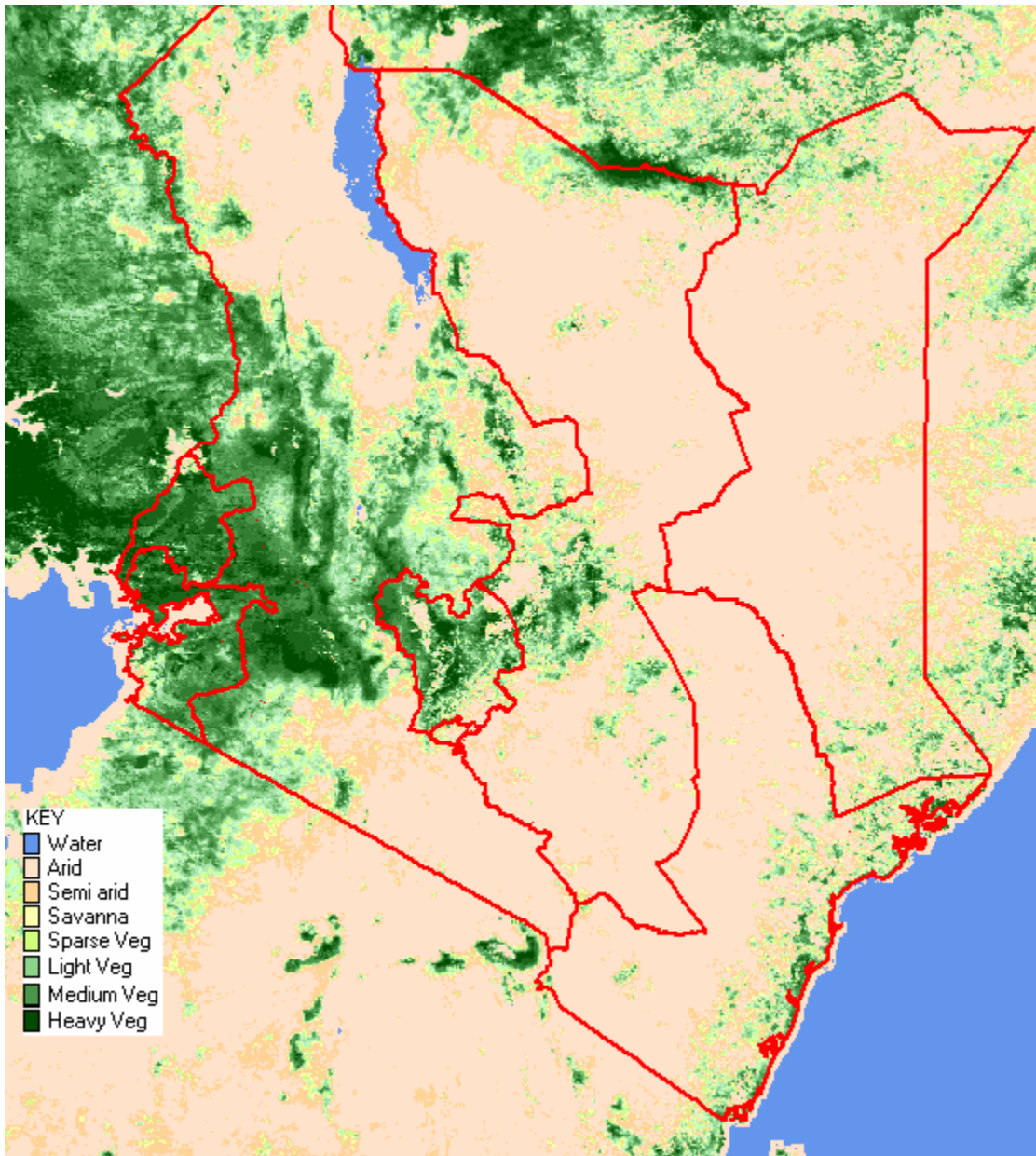


Fig.5: Normalized Difference Vegetation Index ((1st to 10th November 2008))

EXPECTED WEATHER AND CROP CONDITIONS DURING THE NEXT 10 DAYS (11th –20th November 2008).

During the next 10 days (11th –20th November 2008), Western, Nyanza and Central Rift Valley regions are expected to experience moderate to heavy rainfall over several places. Crops are expected to continue doing well and correspond to normal growth.

Central Highlands, Nairobi area and its environs, are expected to experience moderate to heavy rainfall in several places. Crops are expected to continue doing well and correspond to normal growth.

In Eastern Province regions of Embu and Meru districts bordering Mt Kenya are expected to experience moderate to heavy rainfall in several places. Crops are expected to continue doing well and correspond to normal growth.

In South-Eastern lowlands, moderate to heavy rainfall is expected over several places, resulting in improved pastures and water sources for human, livestock and wildlife use. Despite the rains vulnerable livelihoods will continue experiencing the impacts of drought that has hit the region.

The Coastal region is expected to experience moderate to heavy rainfall. Crops are expected to continue doing well and correspond to normal growth.

In the pastoral regions of Northwestern, Northeastern and South Rift Valley districts moderate to heavy rainfall is expected resulting in improved pastures regeneration and water sources for human and animal/wildlife use.

In summary wet conditions will continue being experienced over most parts of the Country. Crops are expected to continue doing well and correspond to normal growth. Harvesting is expected to continue in Western Kenya around Kitale and Eldoret with normal yields being expected.

This product should be used in conjunction with Kenya Meteorological Department weather forecasts. For more information, Contact

The Kenya Meteorological Department
Agrometeorological 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

©2008 The Kenya Meteorological Department