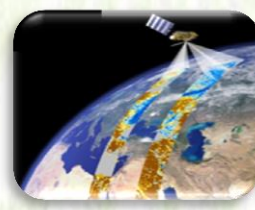


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TEN DAY AGROMETEOROLOGICAL BULLETIN

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FOREWARD

This Agro met Bulletin is prepared and disseminated by the Ethiopia Meteorology Institute (EMI). The aim is to provide those sectors of the community involved in Agriculture and related disciplines with the current weather situation in relation to known agricultural practices.

The information contained in the bulletin, if judiciously utilized, are believed to assist planners, decision makers and the farmers at large, through an appropriate media, in minimizing risks, increase efficiency, maximize yield. On the other hand, it is vital tool in monitoring crop/ weather conditions during the growing seasons, to be able to make more realistic assessment of the annual crop production before harvest.

The Ethiopia Meteorology Institute disseminates Ten day, monthly and seasonal weather reports in which all the necessary current information's relevant to agriculture are compiled.

We are of the opinion that careful and continuous use of this bulletin can benefit to raise ones agro climate consciousness for improving agriculture-oriented practices. Meanwhile, your comments and constructive suggestions are highly appreciated to make the objective of this bulletin a success.

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SUMMARY

During the first dekad of February 2025, According to the Agro-meteorology information collected from different part of the country dry weather condition has observed across many parts. This situation might favour areas where post-harvest agricultural activities are not fully completed. However, after the first half of the dekad the moisture condition was experienced over some areas of southern, central and western parts of the country experiencing better moisture. This condition could be taken as crucial toward the enhancement of soil moisture and creating conducive condition for land preparation of Belg crops.

During the second dekad of February 2025, Agricultural meteorological data collected indicate that there was moisture in many areas of the West, Central, and Northeast. This moisture created favourable conditions for field preparation, especially in the Belg-growing areas, and for sowing seeds in areas that are already engaged in Belg agricultural activities. On the other hand the condition was importance the water need of perennial plants, pasture and the availability of drinking water for the pastoral and agro pastoral community.

WEATHER ASSESSMENT

1.1. Rainfall amount (11 – 20 February, 2025)

During the second Dekad of February 2025 most part of the country have dry condition that received <5mm rain fall except some pocket areas of South and North Gonder, South Tigray, South Wello, Bahir Dar, East Gojjam, Afar Zone 4 and 2, North Shewa, West Wellega Gambella Zone 1,2&3, Gode ,Sheka, Keffa and Jimma Zones are received 5-25mm rain fall. some pocket areas of Afar Zone 2 and Illibabur Zones are received 25-50mm rain fall.

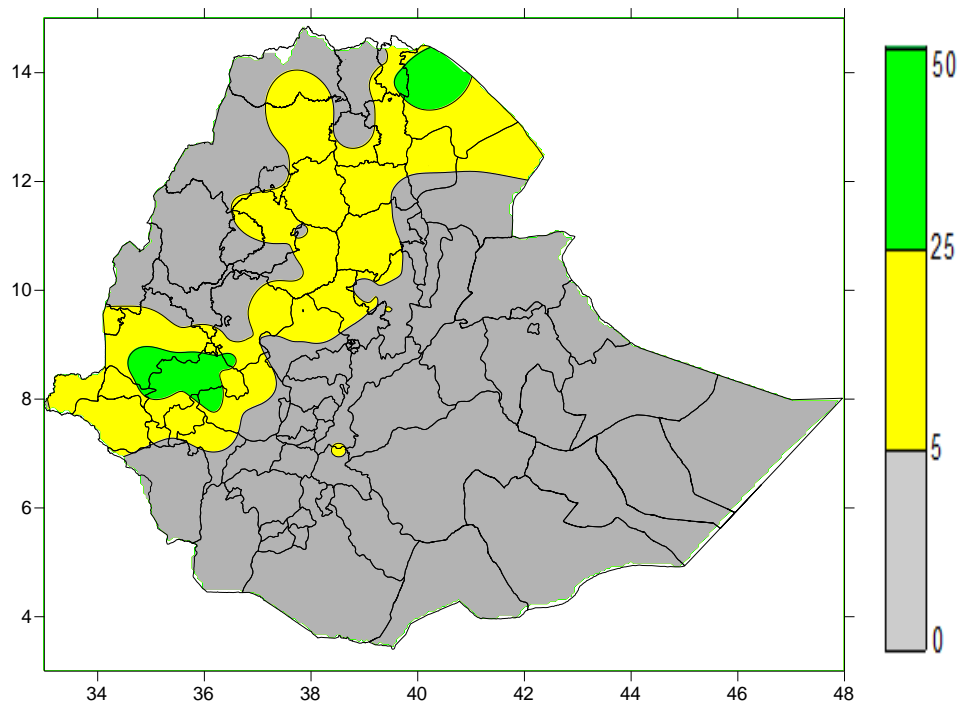


Figure 1. Rainfall distribution in mm (11- 20, February, 2025)

1.2. Rainfall Anomaly (11 – 20 February, 2025)

During Second Dekade of February 2025 most of the country exhibited much below Normal rain fall except Northern, North Western, Western, North eastern central and pocket areas of southern parts of the country exhibited Normal to Above Normal Rain fall.

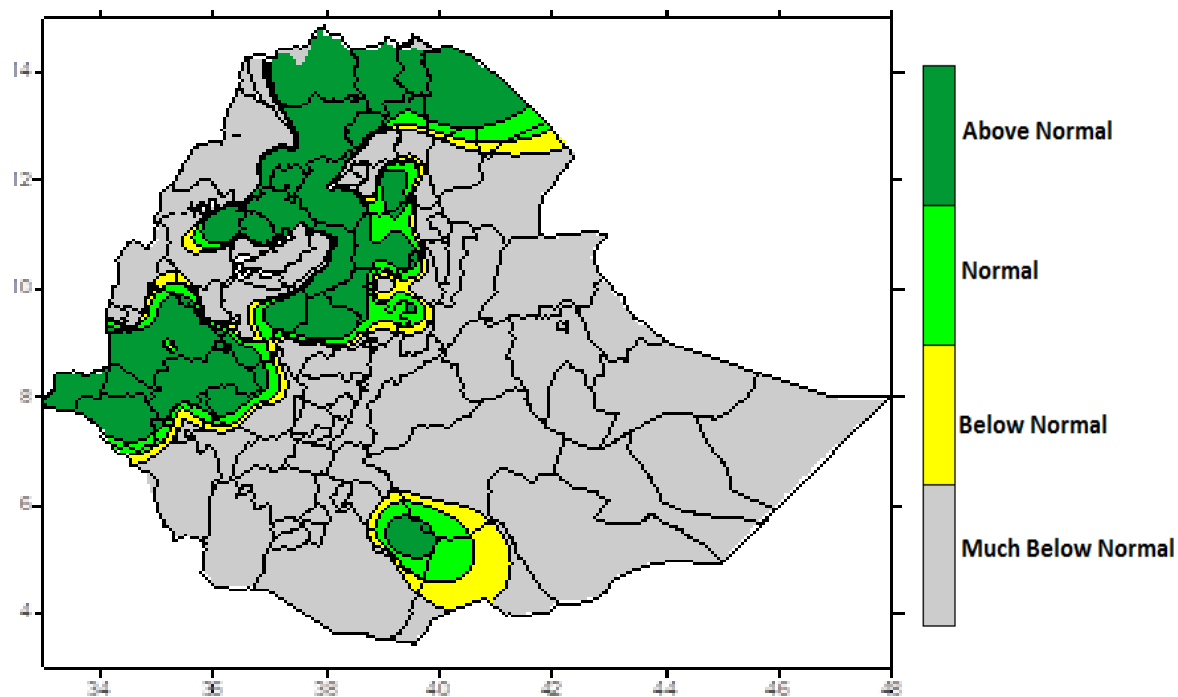


Figure 2: Percent of normal rainfall distribution (11 – 20 February, 2025)

Explanatory notes for the Legend

- < 50-Much below normal
- 50-75%-Below normal
- 75-125%- Normal
- > 125% - Above normal

1.3. Moisture Condition (11 – 20 February, 2025)

During the second dekad of February, 2025, the dry moisture conditions were dominated most parts of the country except western, central and north-eastern parts exhibited moderately dry to Humid moisture condition.

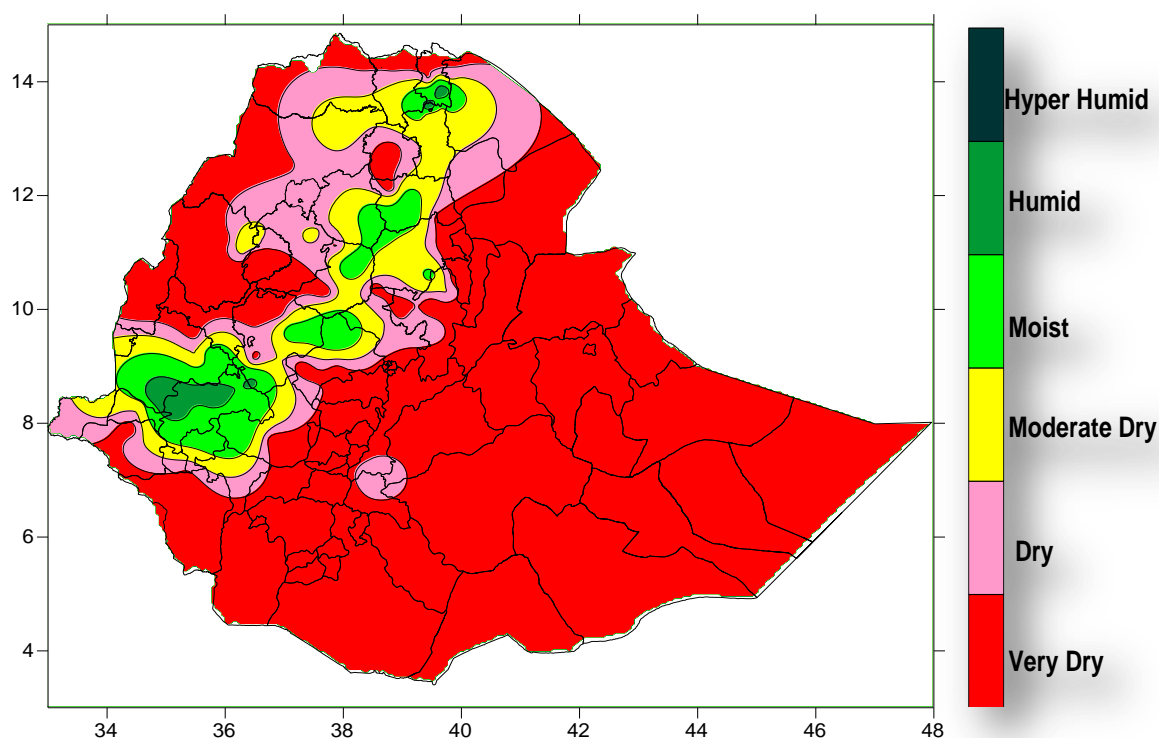


Figure.3. Moisture Status (11 – 20 February, 2025)

2. AGROMETEOROLOGICAL CONDITIONS AND IMPACT ON AGRICULTURE

2.1. VEGETATION CONDITION AND IMPACT ON AGRICULTURE

During the second dekad of January 2025, the moisture condition was prevailed over particularly over south-western, southern, central and north-eastern Belg growing areas of the country. Due to this the NDVI Fig.4 (the green plant coverage) and RLWRSI slightly increased dekad by dekad. The increased in the green plant coverage and Rangeland had positively contributed the availability of pasture and drinking water.

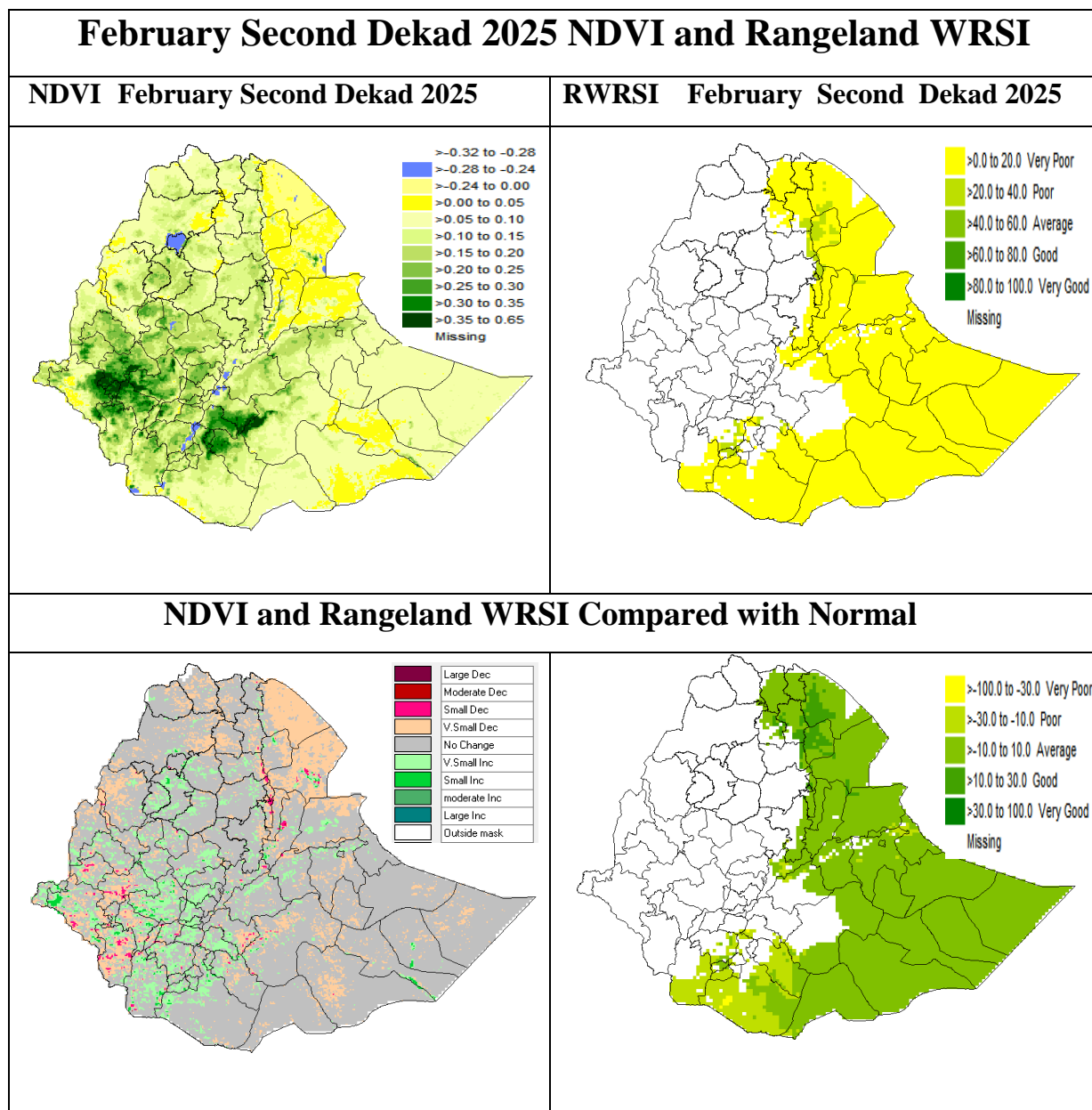


Fig.4. NDVI and Rangeland WRSI (%) and Compared to Normal 11 – 20 February, 2025

2.2. EXPECTED WEATHER IMPACT ON AGRICULTURE DURING THE COMING SECOND THIRD OF FEBRUARY 2025

Under normal conditions, during the third dekad of February, most Belg-growing areas begin to receive seasonal rainfall. As a result, most farmers engage in land preparation and sowing of Belg season crops.

In the coming eight days of February, a moderate amount of moisture is expected in the north-eastern, central, and south-western parts of the country. This situation will have a positive impact on water availability for perennial crops, as well as improve pasture conditions and the availability of drinking water in pastoral and semi-pastoral areas. Additionally, with the onset of the Belg season, the moisture received during this period will enhance soil moisture in Belg-growing areas, facilitating field preparation and the early sowing of Belg crops. Therefore, farmers and relevant stakeholders are advised to begin preliminary preparations for sowing, starting with land preparation.

3. DEFINITION OF TERMS

ABOVE NORMAL RAINFALL: - Rainfall in excess of 125% of the long-term mean

BELOW NORMAL RAINFALL: - Rainfall below 75 % of the long-term mean.

NORMAL RAINFALL: - Rainfall amount between 75 % and 125 % of the long-term mean.

BEGA: - It is characterized with sunny and dry weather situation with occasional falls. It extends from October to January. On the other hand, it is a small rainy season for the southern and south eastern lowlands under normal condition. During the season, morning and night times are colder and daytime is warmer.

BELG: - Small Rainy season that extends from February to May and covers southern, central, eastern and north-eastern parts of the country.

CROP WATER REQUIREMENTS: - the amount of water needed to meet the water loss through evapotranspiration of a disease-free crop, growing under non-restricting soil conditions including soil water and fertility.

DEKAD: - First or second ten days or the remaining days of a month.

EXTREME TEMPERATURE: - The highest or the lowest temperature among the recorded maximum or minimum temperatures respectively.

ITCZ: - Inter-tropical convergence zone (narrow zone where trade winds of the two hemispheres meet).

KIREMT: - Main rainy season that extends from June to September for most parts of the country with the exception of the south-eastern lowlands of the country.

RAINY DAY: - A Day with 1 or more mm of rainfall amount

