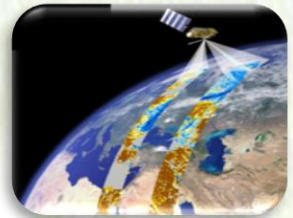


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Agrometeorological Bulletin

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FORE WARD

This Agro met Bulletin is prepared and disseminated by the Ethiopian 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 Agency disseminates ten daily, 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 third decade of April 2026, the moist to humid moisture that occurred over the Belg and Meher crop producing areas of southern, south western, south eastern, and western parts of the country provided significant benefits to the growth of Belg crops that had been planted earlier and were at different stages of development, according to analyzed agrometeorological information. The moisture also played a positive role in facilitating the sowing of long-cycle crops, supporting the growth of early-planted Meher crops, and meeting the water requirements of perennial crops. Furthermore, it made a substantial contribution to the availability of drinking water and grazing pasture, as well as to the implementation of agricultural activities. On the other hand, the heavy rainfall that occurred in Damo Gale Woreda of Wolayita Zone in the Southwest Region had negative impacts on human life, property, and crops by triggering landslides.

During the first dekad of May 2026, The analyzed agricultural meteorological data indicate that the light to heavy rainfall experienced in the South, Southwest, Southeast, north, west and Central regions of the country was beneficial for the growth of early-sown Belg crops at various stages of development. It also played a positive role in the sowing of long-term crops, the growth of early-sown Belg crops and the fulfilment of water requirements for perennial crops. It also contributed significantly to the supply of drinking water and pasture grass as well as agricultural work. On the other hand, the heavy rainfall mixed with snow in Rape Woreda of Gedeo Zone had a negative impact on plants and crops.

1. WEATHER ASSESSMENT

1.1. Rainfall amount (1 – 10 May 2026)

During first Dekad of May 2026, the rainfall distribution was over south Omo, Derashe, Konso, Basketo. Sidama, Keffa and Sheka zones are received 50-100 mm rainfall. Over Borena, Amaro, Wolayita, Bench Maji, Bale, Korah, Alaba, east Wellega, Oromia Special zone, Agew and Jimma zones are received 25–50 mm rainfall. Over Liben, Afder, Gode, Deghabur, Guji, Hadiya, Selti, Yem, Gurage, south west Shewa, Gambela zone 2, west Wellega, Agew, Metekel, Bahirdar, east Gojjam, north Gonder, south & west Tigray, Mekele,

afar zone 1 and Shinile zones are received 5-25 mm rainfall. The rest part of the country was received <5 mm rainfall.

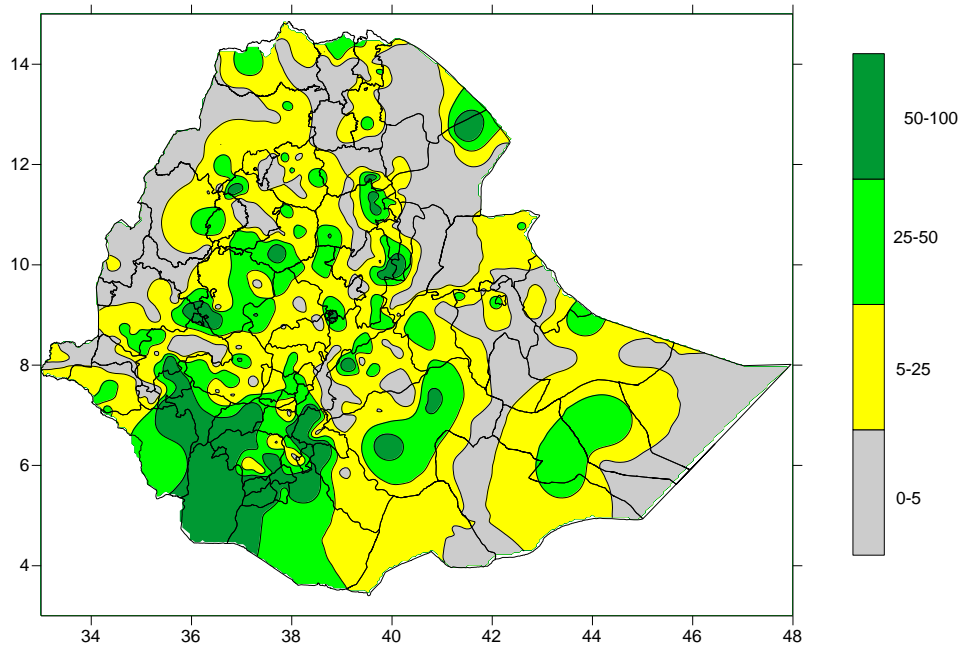


Fig 1. Rainfall distribution in mm (1 – 10) May 2026

1.2. Rainfall Anomaly (1 – 10 May, 2026)

During first decade of May 2026 percent of Normal rainfall was over South Omo, Derashe, Konso, Amaro, Gamogofa, Basketo, Sidama, east Shewa, west Shewa, east Gojjam, Agew, Bahirdar, afar zone 3 & 5, Oromia special zone, south & east Tigray, afar zone 2, Afder, Gode and Korahe zones was exhibited Normal to Above Normal rainfall. On the other hand, the rest part of the country was exhibited Much Below Normal to below Normal rainfall.

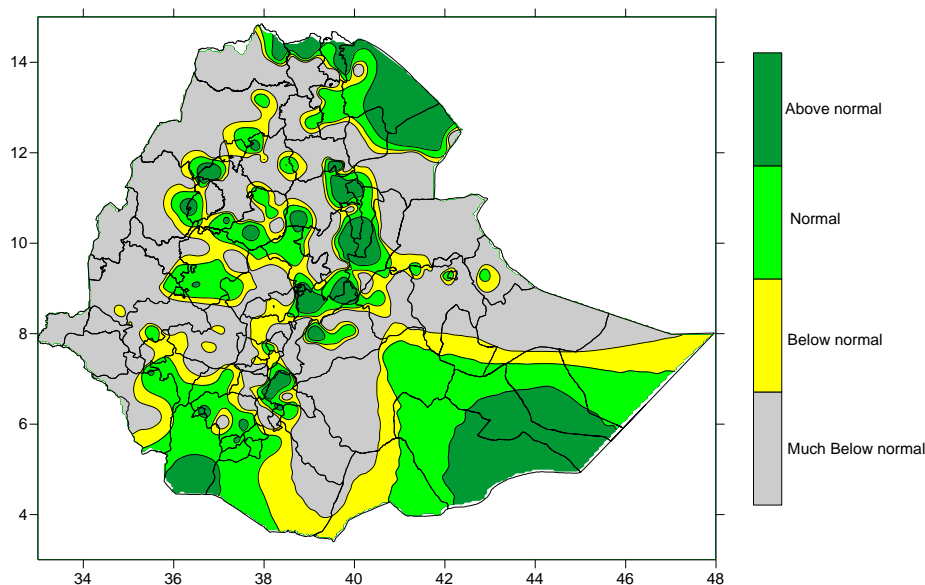


Fig.2 Percent of normal rainfall distribution (1 – 10 May, 2026)

Explanatory notes for the Legend

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

1.3. Moisture Condition (1 – 10 May 2026)

As indicated on the moisture status map below during the first dekad of May 2026, over Southern, south western, western, Central and south eastern parts of the country are exhibited Moist to Humid moisture condition. The other parts of the countries exhibited moderately dry to very dry.

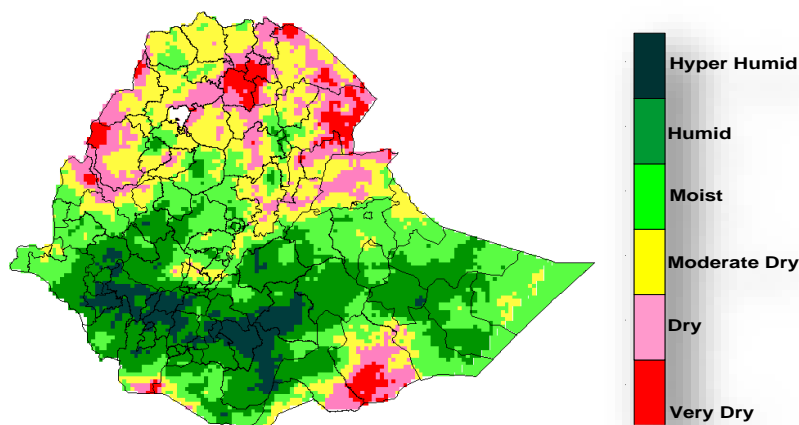


Fig. 3 moisture status for (1 – 10 May, 2026)

2. AGROMETEOROLOGICAL CONDITIONS AND IMPACT ON AGRICULTURE

2.1. OBSERVED WEATHER IMPACT ON AGRICULTURE DURING THE FIRST DEKAD OF MAY 2026

During the first dekad of May, due to the relative strengthening of rain bearing weather systems better moisture has been improving particularly southern, south western, western, central, south eastern and eastern parts of the country experienced moist to humid moisture conditions. The vegetation condition across the country increases (Fig.4. NDVI and Rangeland WRSI in %). This condition might have positive contribution to perform water requirements of Belg season crops. In addition, the condition had been favourable toward improving the availability of pasture and drinking water.

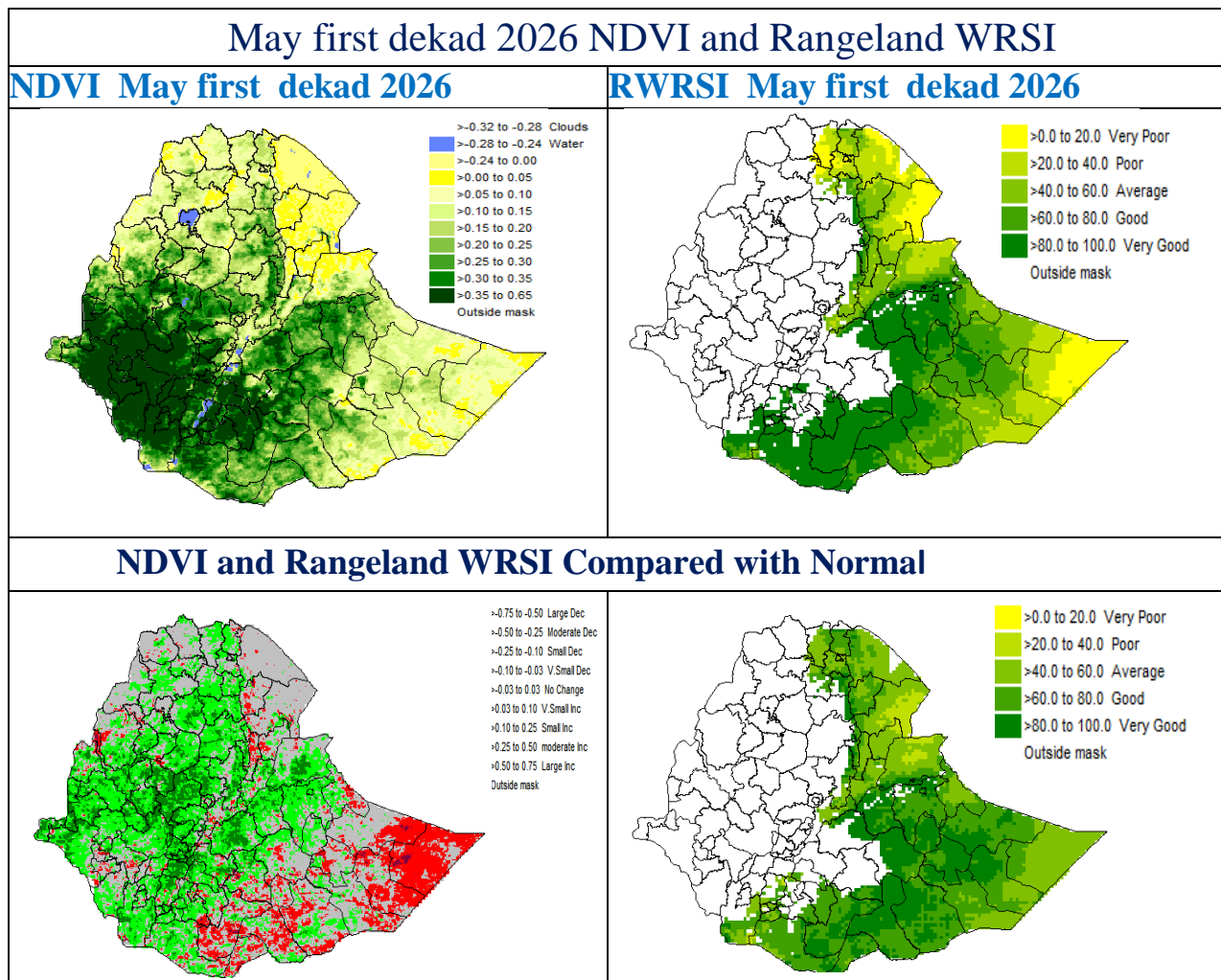


Fig.4. NDVI and Rangeland WRSI in % and Compared to Normal - May 1-10, 2026

2.2. EXPECTED WEATHER IMPACT ON AGRICULTURE DURING THE COMING SECOND DEKAD OF MAY 2026

In the coming second dekad of May 2026, will be favourable for the growers and consumers of spring crops and those who are starting their harvest operations early, especially in the south western and western regions of the country. Therefore, it is recommended that the following location-specific agricultural meteorological recommendations be implemented immediately to take advantage of the favourable weather conditions and minimize the expected negative impacts. This situation expects to improve moisture requirement of Belg and long cycle Meher crops found at different phases of growth, perennial plants, pasture and drinking water availability in pastoral and agro pastoral areas. Therefore, farmers and concerned bodies are advice to conserve available water efficiently and wisely use of moisture that will expect. However, the expected heavy fall on some places across the country would have cause soil erosion and water logging on crops field in low lying areas. Thus, proper attention should be undertaken to minimize the risk in areas where there is no proper drainage system and low-lying areas making channel in order to reduce the effect of excess water. On the contrary the excess moisture might have positive impact on normally water deficit areas and water harvesting where that can be used in time of deficit.

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.

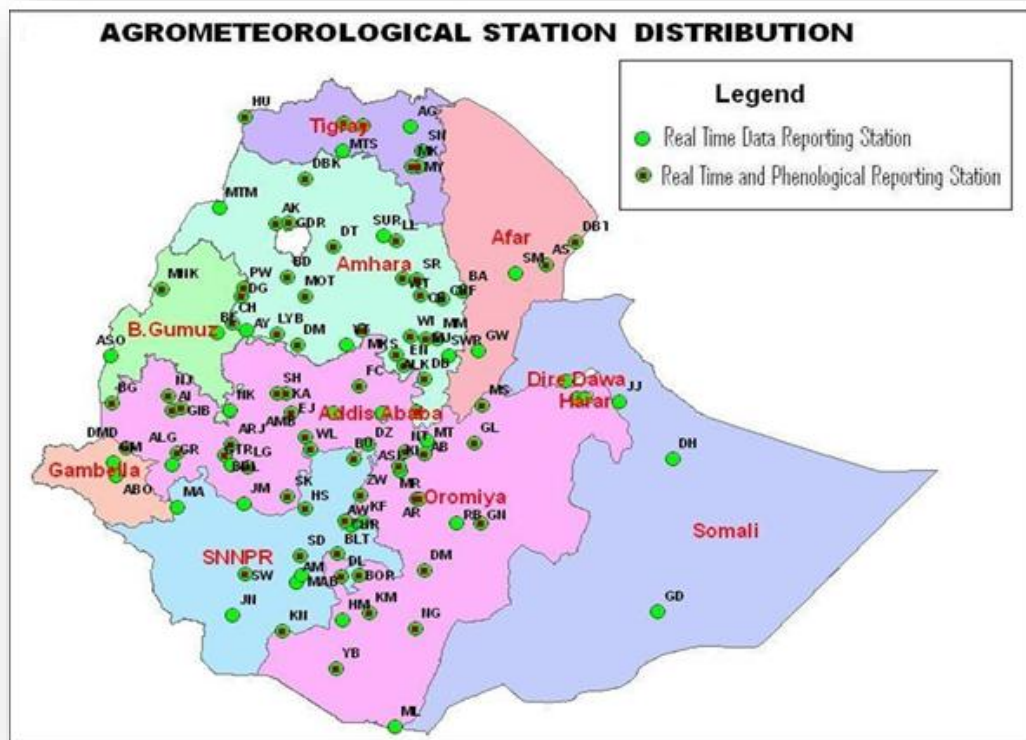
DEKAD: - First or second ten days or the remaining days of a month.

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



Station	Code	Station	Code	Station	Code	Station	Code
A. Robe	AR	D. Zeit	DZ	Humera	HU	Nazereth	NT
A.A. Bole	AA	D/Dawa	DD	Jijiga	JJ	Nedjo	NJ
Adigrat	AG	D/Mena	DOM	Jimma	JM	Negelle	NG
Adwa	AD	D/Odo	DO	Jinka	JN	Nekemte	NK
Aira	AI	D/Tabor	DT	K.Dehar	KD	Pawe	PW
Alemaya	AL	Dangla	DG	K/Mingist	KM	Robe	RB
AlemKetema	ALK	Dilla	DL	Kachise	KA	Sawla	SW
Alge	ALG	Dm.Dolo	DMD	Koffele	KF	Sekoru	SK
Ambo	AMB	Dubti	DBT	Konso	KN	Senkata	SN
Arba Minch	AM	Ejaji	EJ	Kulumsa	KL	Shambu	SH
Asaita	AS	Enwary	EN	Lalibela	LL	Shire	SHR
Asela	ASL	Fiche	FC	M.Meda	MM	Shola	SG
Assosa	ASO	Filtu	FL	M/Abaya	MAB	Gebeya	SR
Awassa	AW	Gambela	GM	Maichew	MY	Sirinka	SR
Aykel	AK	Gelemso	GL	Majete	MJ	Sodo	SD
B. Dar	BD	Ginir	GN	Masha	MA	WegelTena	WT
Bati	BA	Gode	GD	Masha	MA	Woliso	WL
Bedelle	BDL	Gonder	GDR	Mekele	MK	Woreilu	WI
BUI	BU	Gore	GR	Merraro	MR	Yabello	YB
Combolcha	CB	H/Mariam	HM	Metehara	MT	Ziway	ZW
D. Berehan	DB	H/Mariam	HM	Metema	MTM		
D. Habour	DH	Harer	HR	Mieso	MS		
D. Markos	DM	Holleta	HL	Moyale	ML		
		Hossaina	HS	M/Selam	MSL		