

## 10 DAY AGROMET BULLETIN

### SUMMARY OF THE PAST DEKAD 11-02-TO 20-02-2025

Mostly cloudy conditions were dominating from the 11<sup>th</sup> to the 20<sup>th</sup> of February 2024. A cloud band entered the country from the East and it resulted in widespread thunderstorms across the county. Highest rainfall accumulations recorded were **238mm (Zvishavane), 202mm (Gweru), 196mm (Matopos), 195mm (Kwekwe), 186mm (Buhera), 182mm (Buhera), 176mm (Belvedere), 173mm (Mutoko) and 153mm (Wedza)**. Most parts across the country received cumulative rainfall above 50mm for the period under review. The southern parts of the country had a cool south easterly airflow whilst the norther parts of the country had a north easterly airflow. Temperatures were mainly mild at first becoming hot in the afternoon. Vegetation conditions reported in most stations was generally good.

### 10-DAY WEATHER SUMMARY BY PROVINCE FOR THE PERIOD 11-02-2025 TO 20-02-2025

Province	Station	Clouds (Oktas)	Min/Max Temp. (C)		Relative Humidity range (%)		Rainfall total in 10 days (mm)	Wind direction	Wind speed (knots)	Evaporation (mm)	Sunshine hours	Vegetation Condition (Rain-fed)
Mashonaland Central (5 Stations)	Henderson	7	17	30	62	100	89.7	NE	03	-	-	Good
	Mvurwi	7	17	28	57	97	76.2	SE	02	-	-	Good
	Guruve	4	17	32	53	98	63.3	SE	03	-	-	Good
	Mt Darwin	6	19	32	51	100	66.9	E	02	-	-	Good
	Kanyemba	6	22	36	48	100	64.4	NE	02	-	-	Good
Mashonaland East (4 Stations)	Mutoko	6	18	28	37	100	173.3	E	04	51.4	-	Good
	Chivhu	6	16	30	52	100	99.3	NE	02	-	-	Good
	Marondera	7	14	29	51	100	68.4	NE	02	-	-	Good
	Wedza	6	18	30	61	100	152.9	N	03	-	-	Good
Mashonaland West (6 Stations)	Chinhoyi	7	20	30	-	-	69.2	NE	02	-	-	Good
	Chibero	6	18	29	64	100	125.4	SE	04	-	-	Good
	Karoi	7	15	28	57	100	0.7	NE	03	43.5	058	Good
	Kariba	6	22	35	46	98	125.8	VRB	04	46.5	045	Good
	Kadoma	7	18	30	50	100	139.4	NE	03	-	058	Good
	Mhondoro	5	18	31	51	97	182.0	SE	01	-	-	Good
Harare (2 Stations)	Belvedere	7	17	27	52	100	176.1	NE	02	42.1	041	Good
	Kutsaga	7	17	29	48	97	67.6	NE	03	52.1	062	Good
Midlands (4 Stations)	Gokwe	6	18	30	53	100	83.6	E	04	-	054	Good
	Gweru	7	16	29	56	100	201.8	NW	04	-	-	Good
	Kwekwe	5	19	29	54	94	194.8	NE	03	37.7	-	Good

	<b>Zvishavane</b>	7	21	29	65	97	237.5	SE	05	35.3	042	Fair
<b>Manicaland</b> (7 Stations)	<b>Rusape</b>	6	16	27	46	100	36.9	SE	04	45.8	-	Good
	<b>Nyanga</b>	7	12	26	53	97	107.7	NW	05	32.0	052	Good
	<b>Mukandi</b>	6	-	24	81	100	161.7	SE	04	-	-	Good
	<b>Buhera</b>	7	17	32	47	100	185.5	SE	02	-	-	Good
	<b>Chipinge</b>	6	19	-	57	100	136.6	SE	02	37.0	050	Good
	<b>Chisengu</b>	6	-	29	51	100	133.9	SE	04	-	040	Good
	<b>Chisumbanje</b>	5	22	32	55	97	63.0	E	04	48.1	075	Good
<b>Masvingo</b> (6 Stations)	<b>Makoholi</b>	7	17	32	52	100	237.1	NE	02	-	-	Good
	<b>Masvingo</b>	7	20	29	56	100	112.6	SE	08	35.5	042	Good
	<b>Zaka</b>	6	21	30	55	97	100.2	SE	03	-	-	Good
	<b>Rupike</b>											
	<b>Buffalo Range</b>	6	25	35	58	100	59.9	SE	05	43.4	060	Good
<b>Matabeleland North</b> (6 Stations)	<b>Binga</b>	7	21	33	62	100	186.5	VRB	02	26.7	053	Good
	<b>Lupane</b>											Good
	<b>Hwange</b>	6	20	28	52	98	58.2	VRB	06	-	050	Good
	<b>Tsholotsho</b>											
	<b>Nkayi</b>	7	14	31	52	98	105.0	SE	02	-	050	Good
	<b>Victoria Falls</b>	7	19	31	53	100	111.4	NE	07	-	034	Fair
<b>Matabeleland South</b> (5 Stations)	<b>Kezi</b>											Good
	<b>Matopos</b>	7	18	29	58	100	196.3	NE	05	-	-	Good
	<b>Beitbridge</b>	6	21	34	57	100	78.7	SE	05	38.4	-	Good
	<b>West Nicholson</b>	7	19	-	-	-	161.9	NE	04	-	033	Good
	<b>Plumtree</b>	7	17	29	53	100	131.1	NE	04	-	-	Good
<b>Bulawayo</b>	<b>Goetz</b>	7	17	29	53	100	106.7	NE	04	37.6	035	Fair

## NDVI AND LST ANOMALY

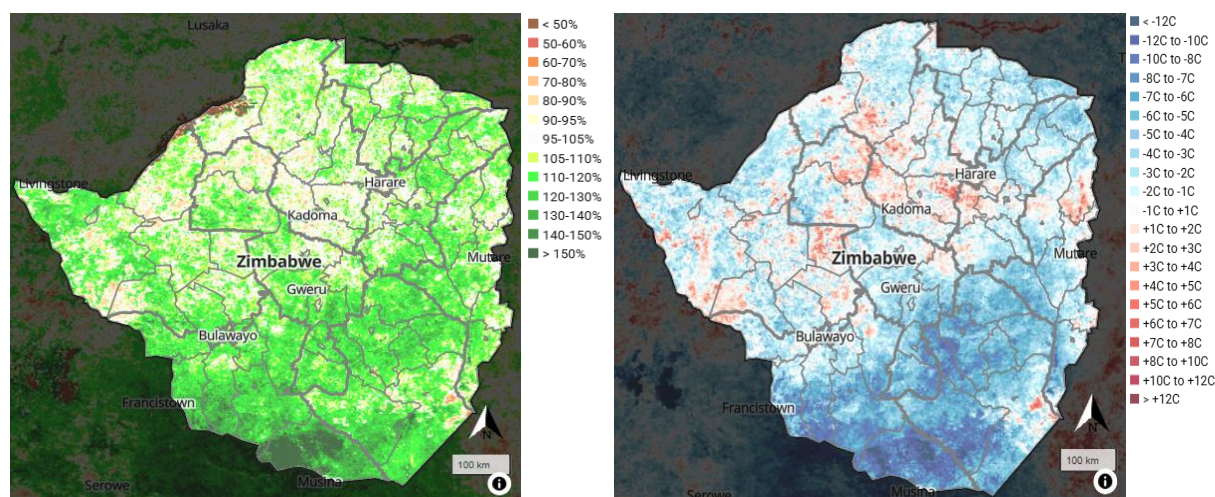


Figure 1: (a) Normalised Difference Vegetation Index (b) Land Surface Temperature anomaly (Courtesy of PRISM)

Vegetation condition in most parts of the country remains good relative to the long-term average as shown in Figure 1a. Most parts have a green colour, while the darkest shade was in Matabeleland South which continues to have the greatest positive

anomaly above 120%, following the significant rainfall received in the province. Following the trend from the previous dekad, the southern parts of the country experienced temperatures which were cooler, compared to the long-term average temperature for the dekad as shown in Figure 1b.

## SOIL WATER INDEX AND WATER REQUIREMENT SATISFACTION INDEX

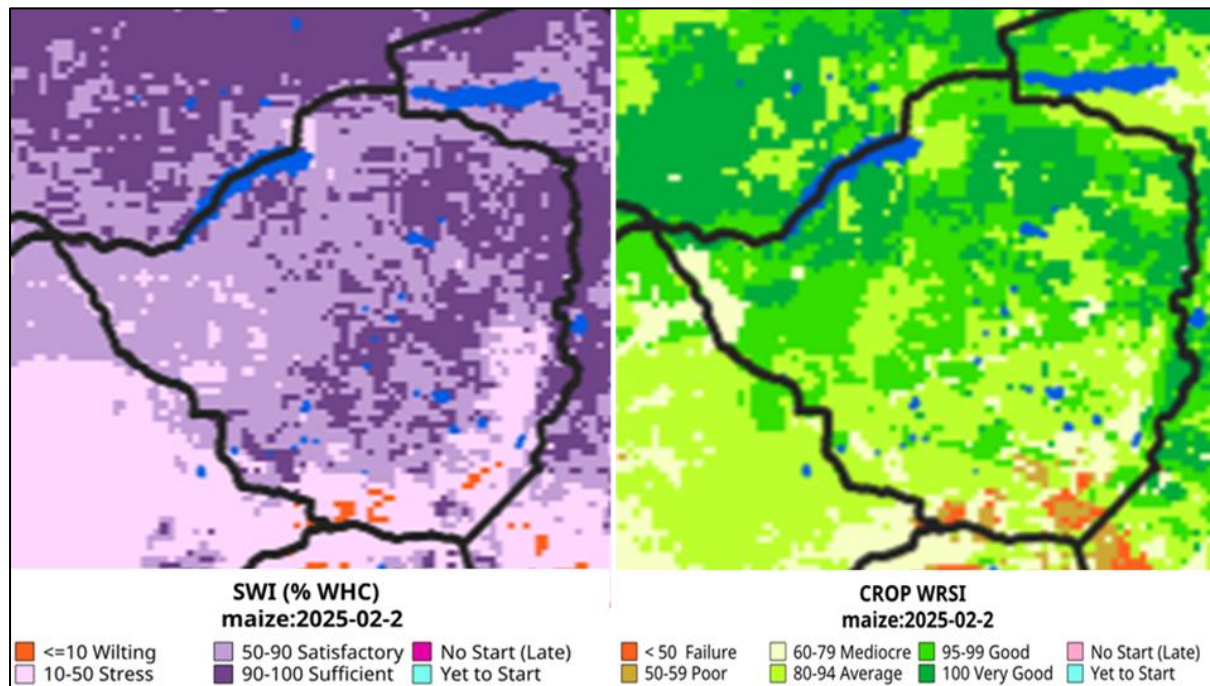


Figure 2: Soil Water Index and Water Requirement Satisfaction Index at the end of the second dekad of February 2025 (Courtesy of USGS FEWSNET).

The central and northern parts of the country exhibited WRSI values in the average (80% - 94%) to good (95% - 99%), indicating adequate moisture conditions for maize growth. These regions have generally received sufficient rainfall to support crop development. The Soil Water Index suggests that these areas have satisfactory (50%-90%) to sufficient (90%-100%) soil moisture. However, there were some localized areas in Matabeleland North, Matabeleland South and Masvingo showing mediocre water requirement satisfaction. This agrees with the Soil Water Index which shows that significant portions of Matabeleland South and Masvingo were in a 10-50% water stress. These conditions were caused by prolonged dry conditions at the onset of the season, leading to moisture deficits.



## WEATHER OUTLOOK: 26-28 FEBRUARY 2025

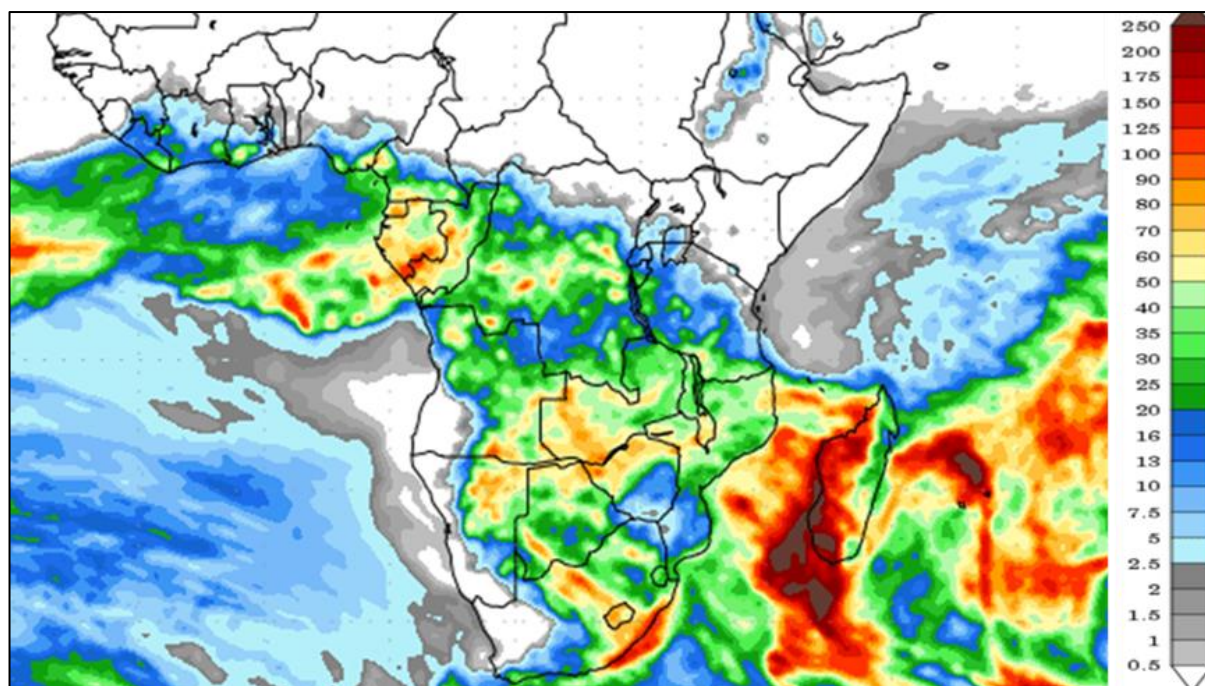


Figure 3: Accumulated precipitation for the period 26-02-2025 to 28-02-2025  
(Courtesy of National centre for Environmental Prediction)

As shown in figure 2, the northern parts of the country namely Matabeleland North, all Mashonaland Provinces, northern parts of Manicaland, Midlands and Harare Metropolitan Provinces are expected to receive higher rainfall accumulation than the Southern Provinces. The rainfall accumulation expected in these areas is 50mm and above for the forecast period hence heavier falls are probable in places which might lead to flash floods. The Southern parts are expected to receive less rainfall for the 10-day forecast. During this period thunder and lightning cannot be ruled out.

**Table 2: Provincial Weather outlook valid from 26-02-2025 to 28-02-2025**

Province	Agromet -Weather forecast	Rainfall Range (mm/day)	Wind Direction & Wind Speed (knots)	Relative Humidity (%)	Min/Max (°C)
Mashonaland Central	Mostly cloudy, mild in the morning with scattered afternoon thunderstorms.	>40mm	N'ly	80-100	15-28
Mashonaland East	Mostly cloudy, mild in the morning with scattered afternoon thunderstorms.	>40mm	N'ly	80-100	14-28

Mashonaland West	Mostly cloudy, mild in the morning with scattered afternoon thunderstorms.	>40mm	NE'ly	80-100	15-31
Harare	Mostly cloudy, mild in the morning with scattered afternoon thunderstorms.	>40mm	NE'ly	80-100	13-28
Midlands	Mostly cloudy, mild in the morning with scattered afternoon thunderstorms.	>40mm	NE'ly	70-100	14-27
Manicaland	Mostly cloudy, mild in the morning with scattered afternoon thunderstorms.	>40mm	N'ly	60-100	14-28
Masvingo	Mostly cloudy, mild in the morning with isolated afternoon thunderstorms.	>30mm	SE'ly	60-100	15-30
Matabeleland North	Mostly cloudy, mild in the morning with scattered afternoon thunderstorms.	>40mm	E'ly	80-100	15-29
Matabeleland South	Mostly cloudy, mild in the morning with scattered afternoon thunderstorms.	>30mm	SE'ly	60-100	15-29
Bulawayo	Mostly cloudy, mild in the morning with scattered afternoon thunderstorms.	>30mm	SE'ly	60-100	14-29

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## AGROMET ADVISORY

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- The public should watch for possible flooding, lightning strikes and strong winds and hailstorms as these incidences are inherent with thunderstorm activities.
- Farmers are, therefore, advised to put in place possible measures to mitigate such hazards on their crops and livestock.