

AGROMETEOROLOGICAL BULLETIN

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Revision No: 1

Effective Date: 01.07.2017

Page No: 1 of 5

Approved by:

**REPORTING PERIOD:
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HIGHLIGHTS

- **Not much rainfall received...**
- **Vegetation condition looking good....**
- **Most planting activities observed....**
- **Improved rainfall forecasted.....**
- **Warm to hot temperatures anticipated.....**
- **Not much improvement in soil moisture expected.....**

RAINFALL AND TEMPERATURES

RAINFALL

Much reduced rainfall was observed in some parts during the second dekad of November 2018. Most areas remained dry (Figure 1) and (Map1).

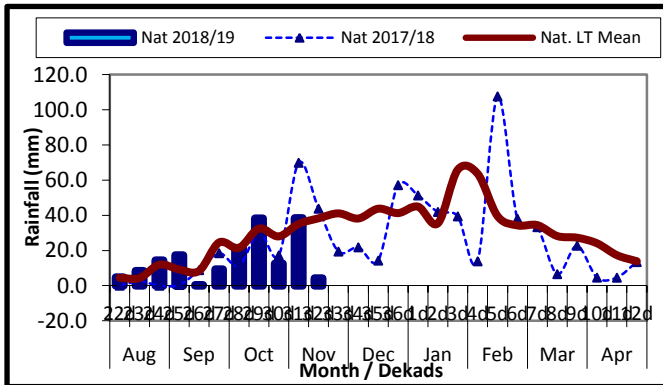
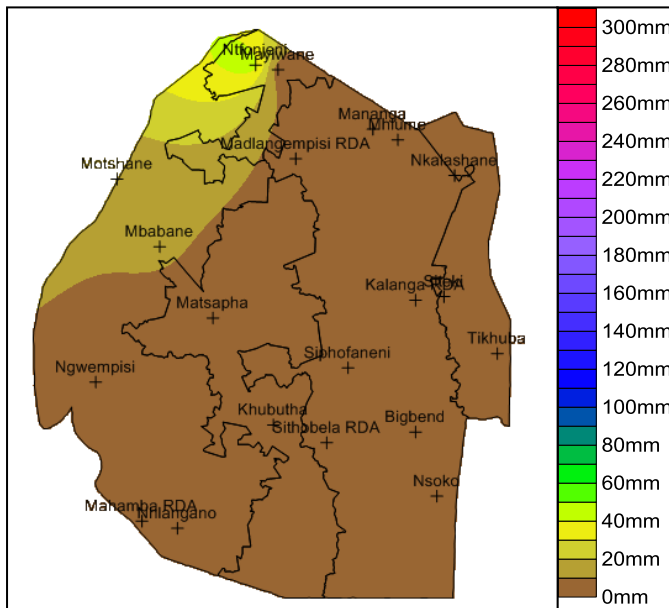


Figure 1: Rainfall distribution as 2nd dekad of November 2018



Map 1: Spatial rainfall distribution for 2nd dekad November 2018

All the Agroecological zones recorded insignificant rainfall during the reporting period. (Table 1).

Table 1: Rainfall (mm) for 2nd dekad November 2018

	HV	MV	LV	LP
2017/18	33	41	26	75
Average	52	35	30	36
2018/19	12	2	1	1
Anomaly	-40	-33	-29	-35

TEMPERATURES

Temperatures were mostly hot during the reporting period, ranging between 13°C and 31°C (Figure 2) and (Figure 3).

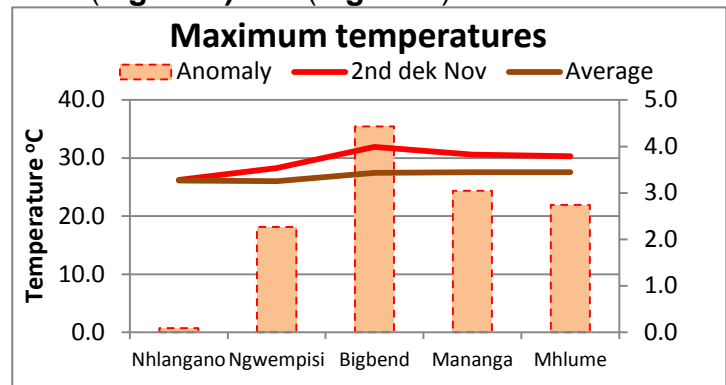


Figure 2: Minimum temperature as 2nd dekad of November 2018

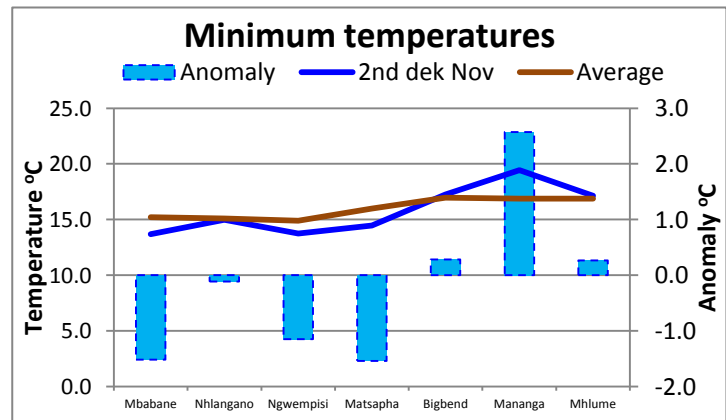


Figure 3: Maximum temperature as 2nd dekad of November 2018

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MAIZE AND OTHER CROPS

MAIZE CROP STAGE AND CONDITION

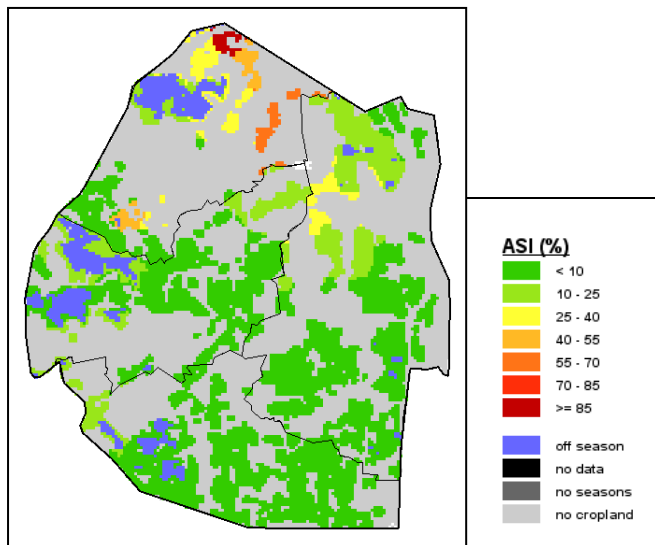
Few maize observed to have germinated and at emergence stage, mostly in the Highveld.

OTHER CROPS

No other crops have been planted.

CURRENT FARMING ACTIVITY

Farmers are planting maize, although they are delayed by the dry conditions. Most activities are land preparation and planting. Map 2 shows that most areas have their Agricultural Stress Index (ASI) at more than 10%.



Map 2: Agricultural Stress Index for 2nd dekad November 2018

Source: FAO-GIEWS

LIVESTOCK AND PASTURES

Livestock is reported in good condition save for challenges with drinking water. Vegetation shows minor stress from the dry conditions coupled with high temperatures (**Image 1**) but looks good compared to long-term average (**Image 2**).

WATER SITUATION

The high temperatures are causing reduction in water levels through increased evaporation and there is not much recharge.



Picture 1: Maguga Dam as of 2nd dekad November 2018



Picture 2: Hawane reservoir as of 2nd dekad November 2018

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MEDIUM-TERM OUTLOOK

RAINFALL

Improved rains are forecasted in the outlook period, mostly on the 28th and 29th of November 2018

TEMPERATURE

Temperature will continue to be high (hot to very hot) in the outlook period.

SOIL MOISTURE

Not much improvement in soil moisture anticipated in the outlook period.

WIND SPEED

Wind will be light to moderate breeze speeds in the outlook period.

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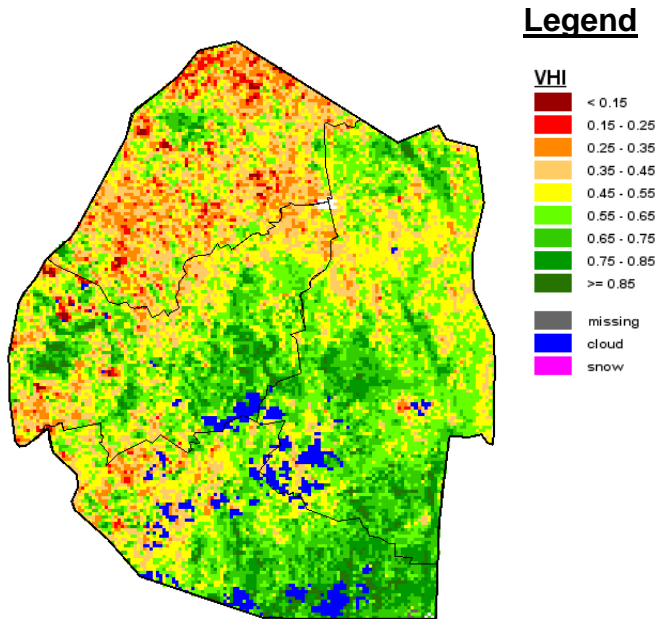


Image 1: Vegetation Health Index image (2nd Dekad November 2018)
Source: FAO-GIEWS

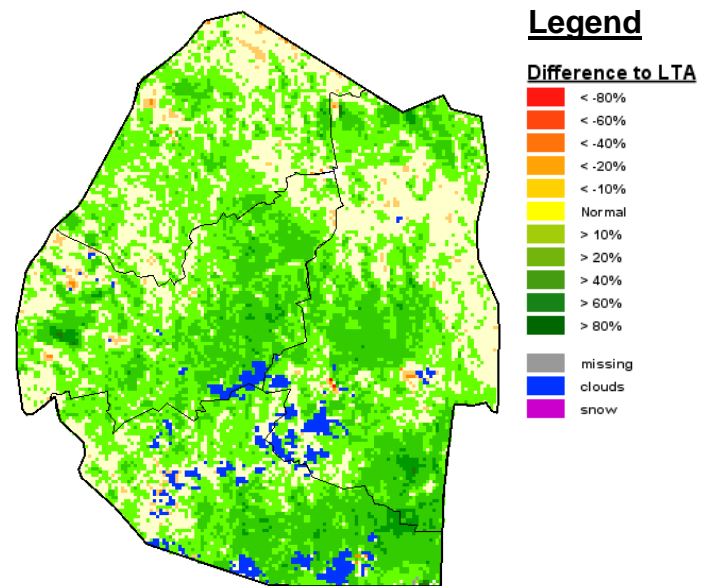


Image 2: Vegetation Anomaly image (2nd Dekad November 2018)
Source: FAO-GIEWS