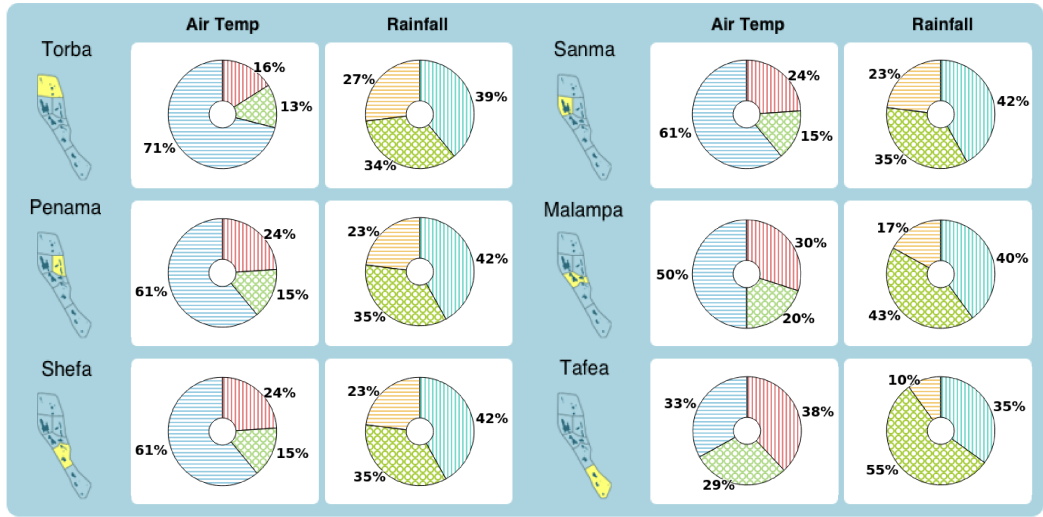
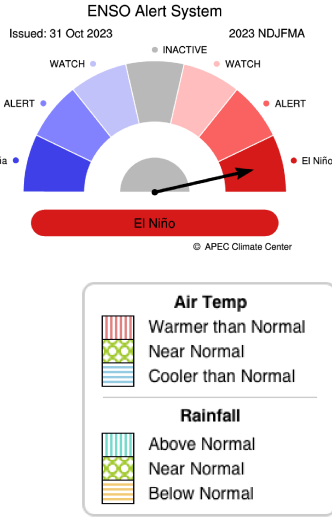


# VANUATU Agromet Bulletin

Vol.10, 20 October 2023

Vanuatu Meteorology & Geo-Hazards Department, Department of Agriculture & Rural Development

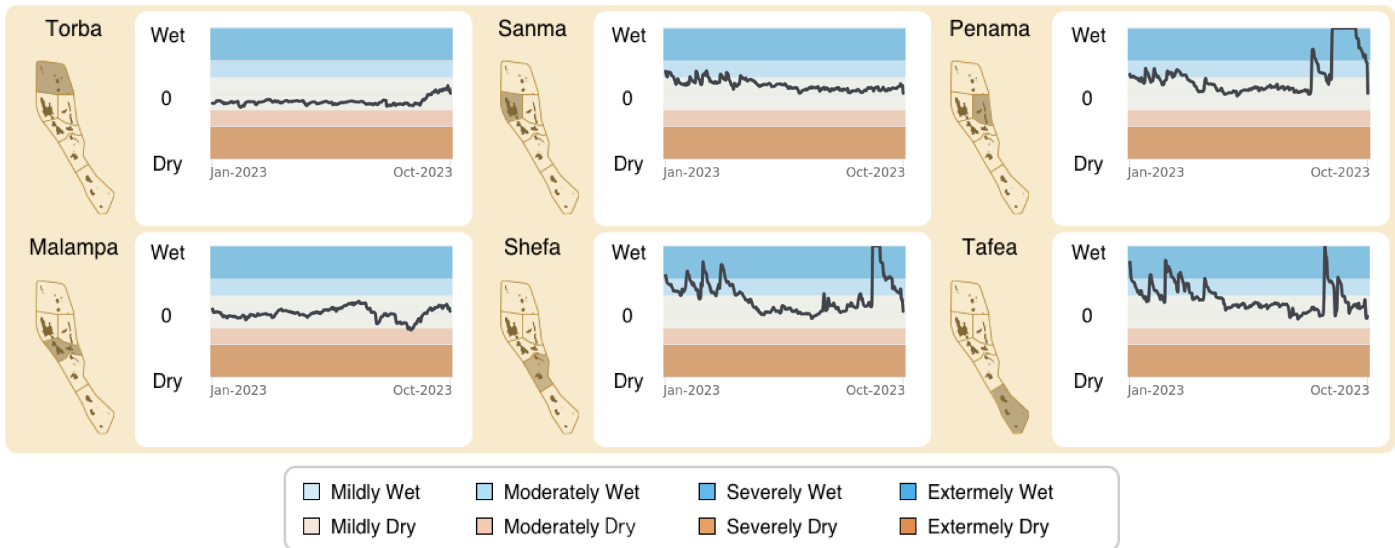
## Seasonal Forecasts(Nov~Jan)



The APCC ENSO Alert suggests "El Niño". In September 2023, above normal sea surface temperature anomalies spanned the equatorial Pacific. The Niño3.4 index is expected to be around 2°C and then gradually decrease to 1°C for November 2023 – April 2024. The probability for El Niño conditions is expected to be above 93% for the same period.

Sanma : Cooler and wetter climate, Torba : Cooler and wetter climate, Penama : Cooler and wetter climate  
 Malampa : Cooler and close to normal climate, Shefa : Cooler and wetter climate, Tafea : Warmer and close to normal climate

## Drought Monitoring



## Moon blog October kasem January 2023

Fes Kwata	Ful Moon	Las Kwata	Niu Moon
22 October	29 October	07 October	15 October
20 November	27 November	05 November	13 November
20 December	27 December	05 December	13 December
18 January	26 January	04 January	11 January

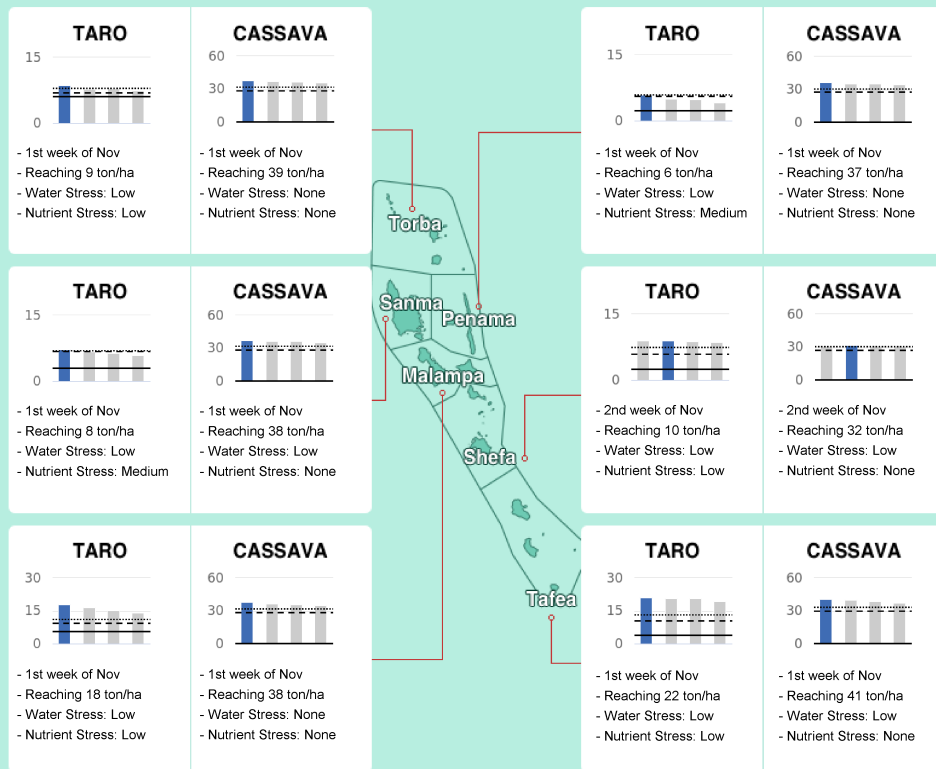
# Climate Smart Recommendations for Crop Cultivation

## Best Crop Planting Week

Blue bars indicate the optimal week for crop planting.

Compare the expected yield to monthly yield averages of the past performances (past 10-year, 5-year, and last-year average)

Yield(Fresh Weight,t/ha) ..... Past 10-year avg - - Past 5-year avg — Last year avg



There is recommended weeks for crop planting to the side.

According to the crop model based forecast, planting cassava during the first week of November in Tafea is projected to highest yield across the country. Yield is higher than last year, higher than the 10-year and 5-year average yield.

### Farming Advisory

#### Nutrient Stress(applicable to all seasons for all crops)

- Apply compost. Incorporate organic matters into the soil
- Apply organic mulch around the crop. Mulching helps conserve moisture, suppress weed growth, and it gradually release nutrients into the soil as the organic matter decomposes
- Practice crop rotation (e.g Mucuna-Taro rotation) and intercropping to enhance nutrient cycling and reduce the risk of nutrient depletion.

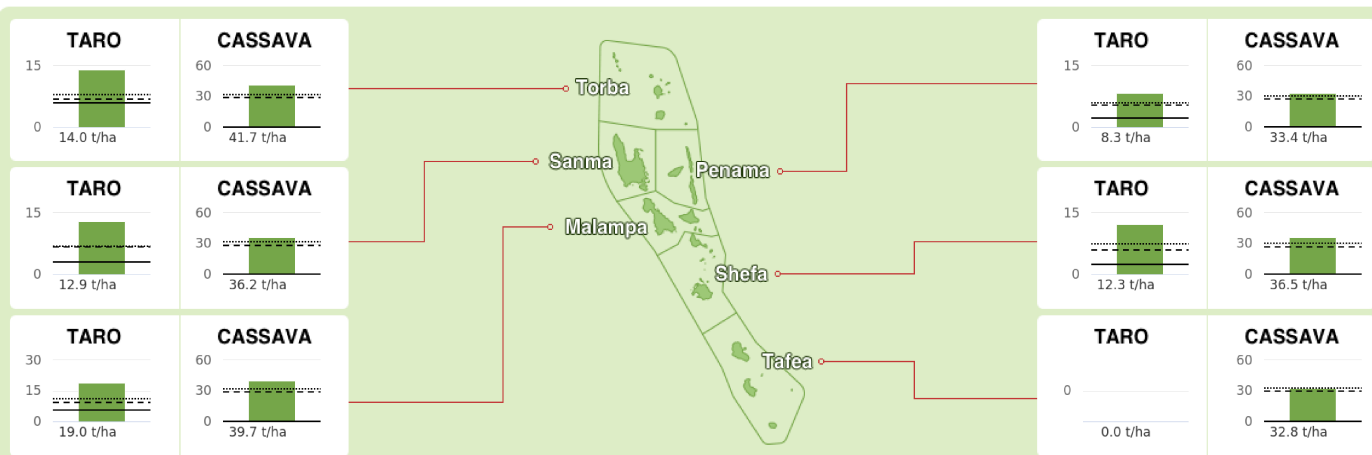
#### Water Stress

- Apply mulch around the crop after planting or plant directly in mulch to reduce moisture loss from the soil and regulate soil temperature.

More information can be found in the 'Decision Tree-based Advisory' tab under 'Farming Advisory' menu on OSCAR ([oscar.gov.vu](http://oscar.gov.vu))

## Predicted Yield in November

Yield(Flesh Weight, t/ha) ..... Past 10-year avg - - Past 5-year avg — Last year avg



- Above are the predicted crop yield in November.

- Malampa is projected to highest Taro fresh yield, reaching 20 ton/ha. Yield is higher than last year, higher than the 10-year and 5-year average yield.

- Torba is projected to highest Cassava fresh yield, reaching 42 ton/ha. Yield is higher than last year, higher than the 10-year and 5-year average yield.

\* Please note that the crop yield forecasts provided in these Agromet Bulletins are based on crop models, and may differ from actual results due to various factor. While every effort has been made to ensure the accuracy of the forecasts, they are subject to inherent uncertainties and may not always be accurate or reflect actual crop yields. Actual crop yields may differ from the forecasted values due to a variety of factors including but not limited to: disease outbreaks, pest infestation, and management practices. Therefore, this information is intended for guidance purposes only and should not be relied upon as a guarantee of actual crop yields.

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