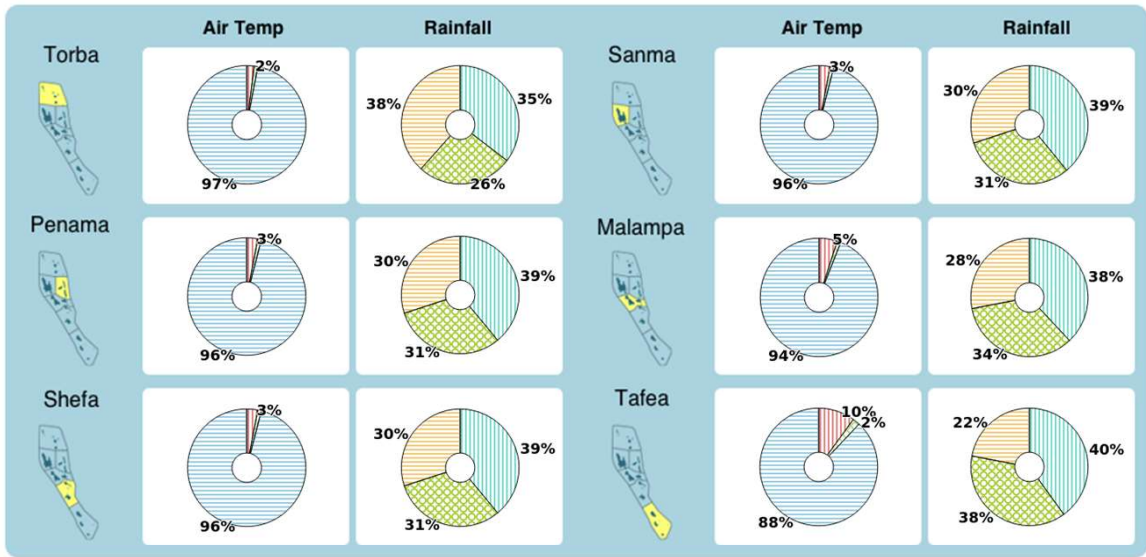
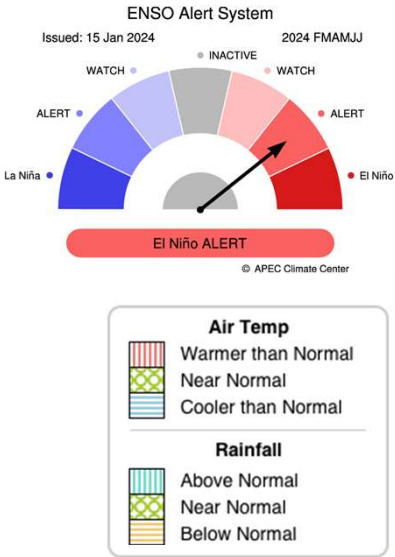


# VANUATU Agromet Bulletin

Vol.01, 20 January 2024

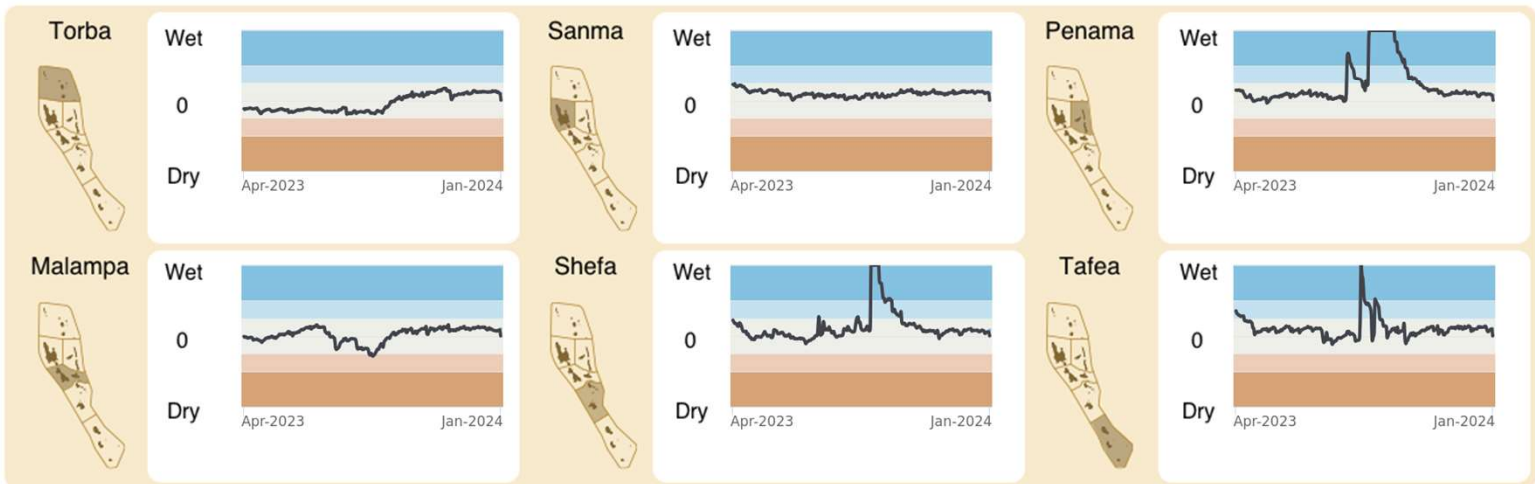
Vanuatu Meteorology & Geo-Hazards Department, Department of Agriculture & Rural Development

## Seasonal Forecasts(Feb~Apr)



- The APCC ENSO Alert suggests "El Niño Alert". In December 2023, above normal sea surface temperature anomalies spanned the equatorial Pacific. As the positive Niño3.4 index is expected to gradually decrease and then become negative for the whole forecast period, the probability for El Niño conditions is also expected to be 84% for February – April 2024 and then decrease. Meanwhile, the chance for ENSO-neutral conditions is expected to gradually increase and then become dominant.
- Sanma : Cooler and wetter climate, Torba : Cooler and drier climate, Penama : Cooler and wetter climate
- Malampa : Cooler and wetter climate, Shefa : Cooler and wetter climate, Tafea : Cooler and wetter climate

## Drought Monitoring



## Moon blog January kasem April 2024

Fes Kwata	Ful Moon	Las Kwata	Niu Moon
18 January 17 February 17 March 16 April	26 January 24 February 25 March 24 April	04 January 03 February 04 March 02 April 01 May	11 January 10 February 10 March 09 April

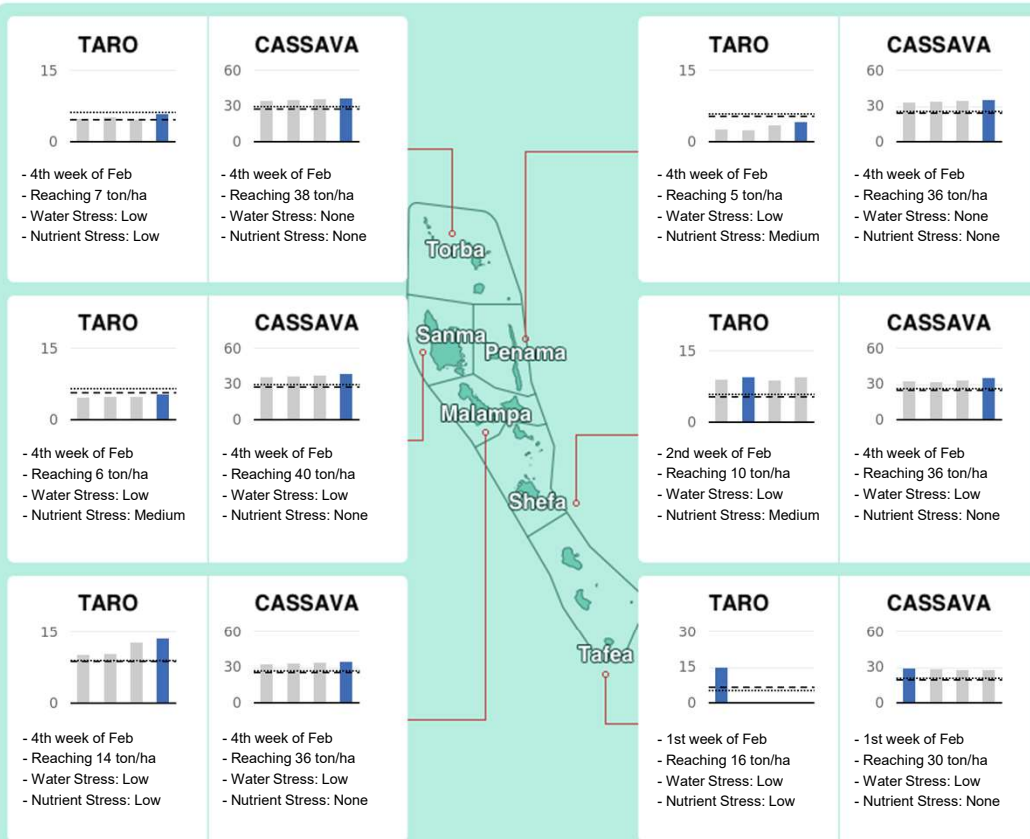
# Climate Smart Recommendations for Crop Cultivation

## Best Crop Planting Week

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

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)



There is recommended weeks for crop planting to the side. According to the crop model based forecast, planting cassava during the

### 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.

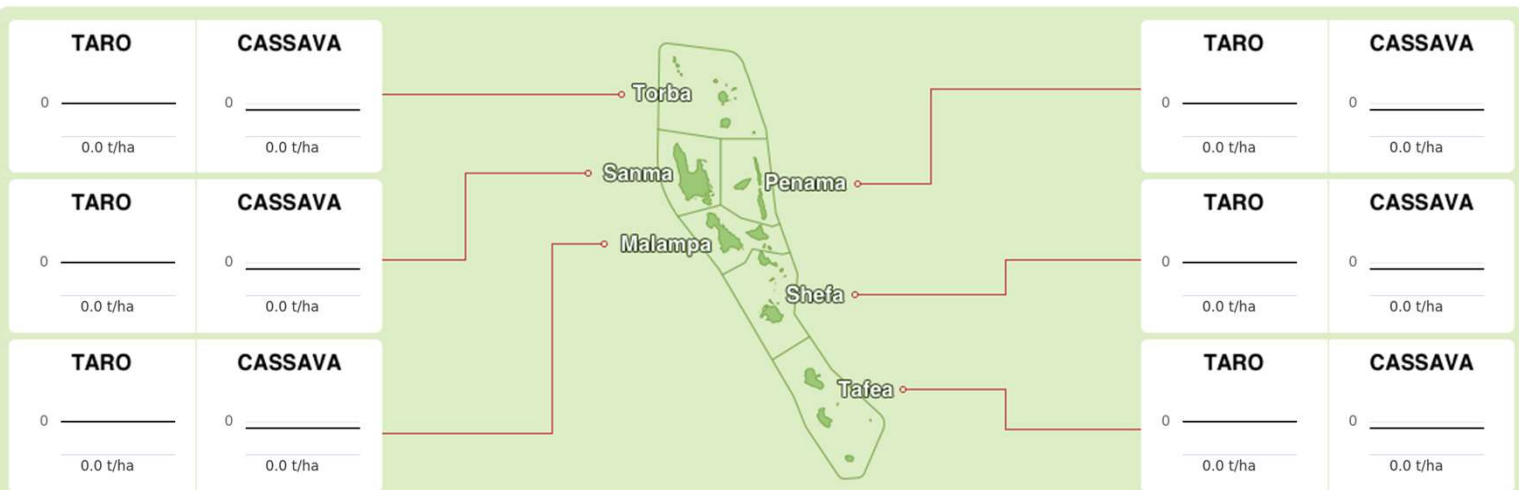
#### Water Stress

- 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 February

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



- Above are the predicted crop yield in February.

\* 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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