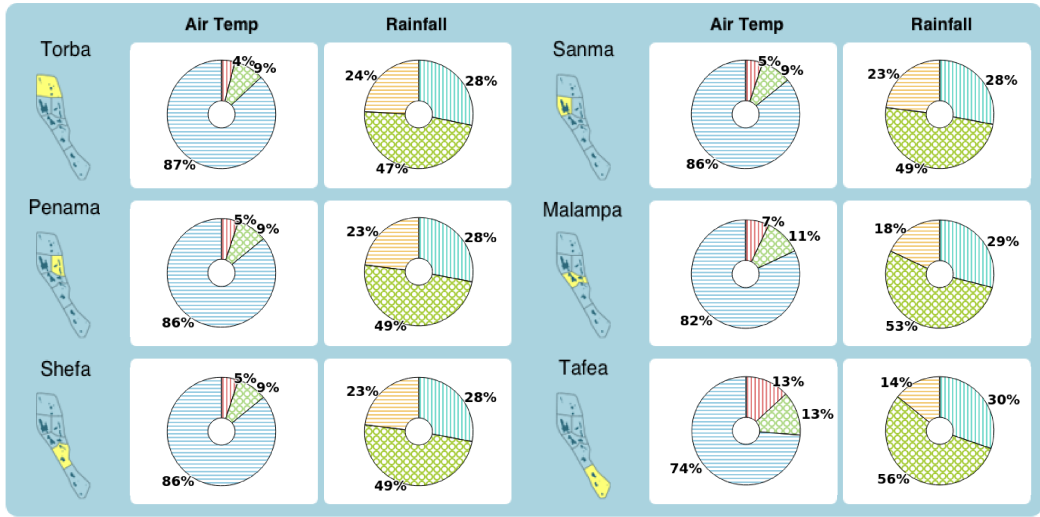
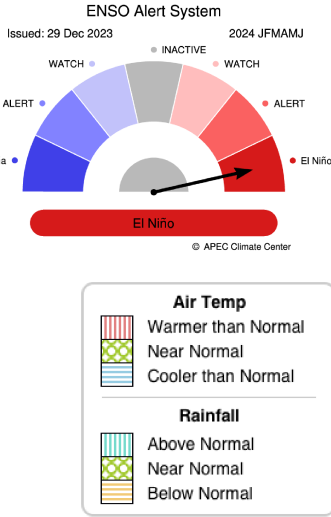


VANUATU Agromet Bulletin

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

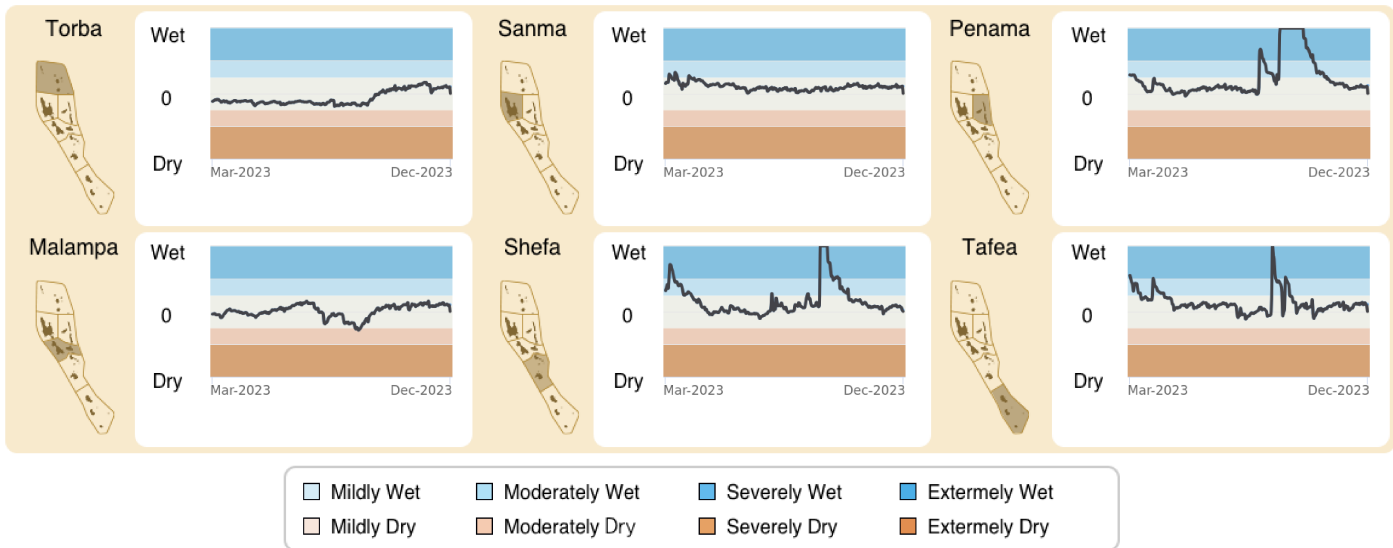
Seasonal Forecasts(Jan~Mar)



The APCC ENSO Alert suggests "El Niño". In November 2023, above normal sea surface temperature anomalies spanned the equatorial Pacific. The Niño3.4 index is expected to gradually decrease from 2°C to -0.2°C for January – June 2024. The probability for El Niño conditions is also expected to gradually decrease from 99.6% to 56.5% for the same period.

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

Drought Monitoring



Moon blog December kasem March 2023

Fes Kwata	Ful Moon	Las Kwata	Niu Moon
20 December	27 December	05 December	13 December
18 January	26 January	04 January	11 January
17 February	24 February	03 February	10 February
17 March	25 March	04 March	10 March

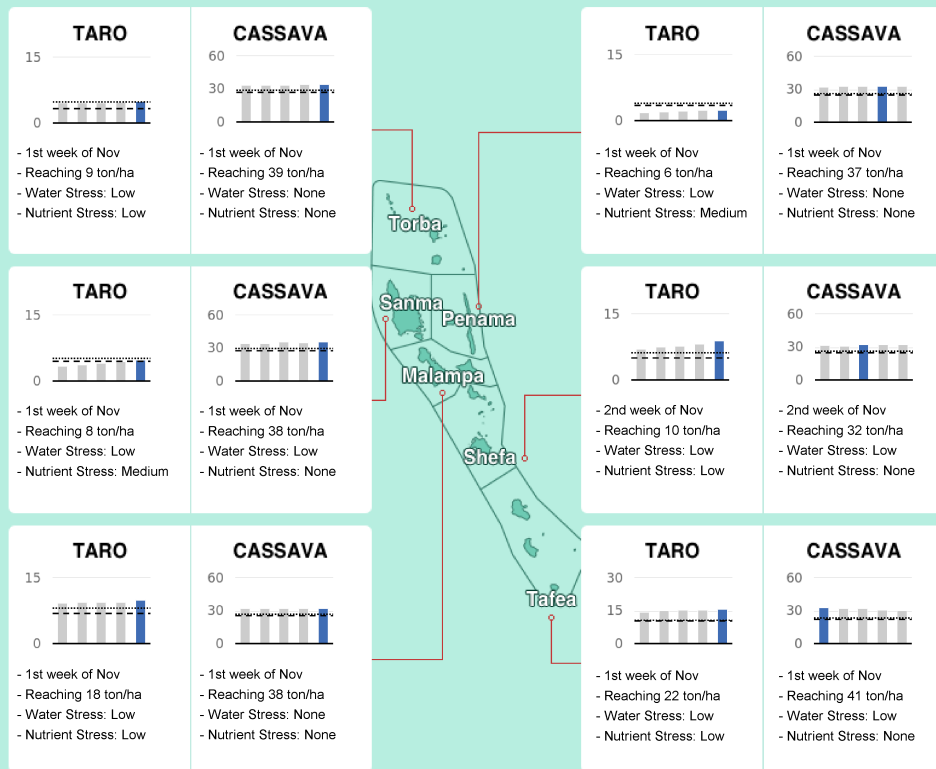
Climate Smart Recommendations for Crop Cultivation

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

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.

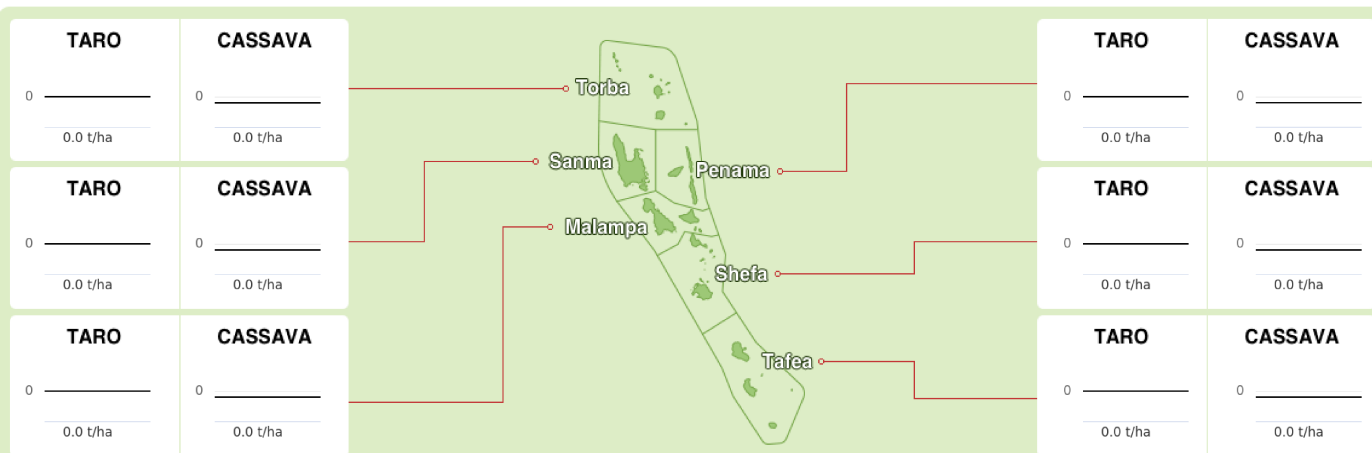
Water Stress

- 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)

Predicted Yield in January

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



- Above are the predicted crop yield in January.

* 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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