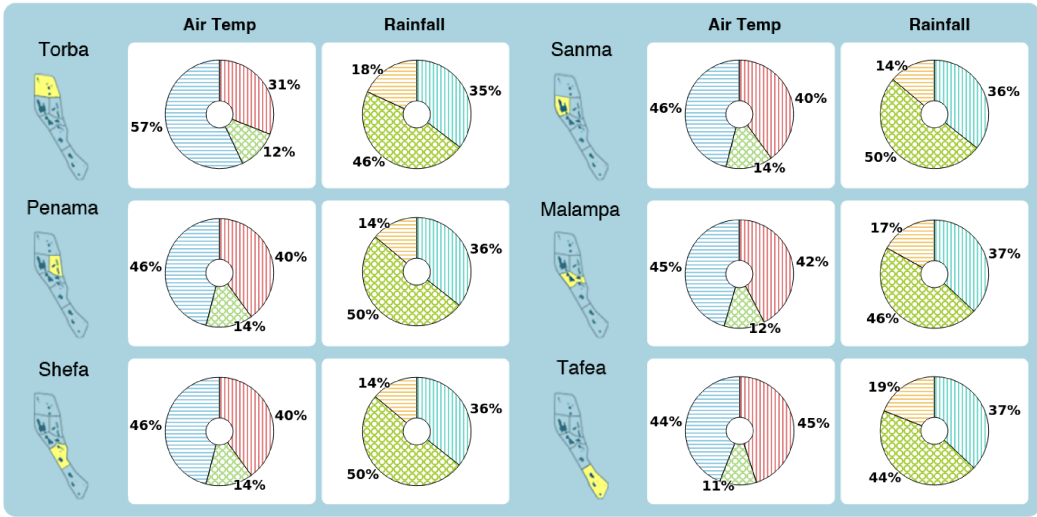
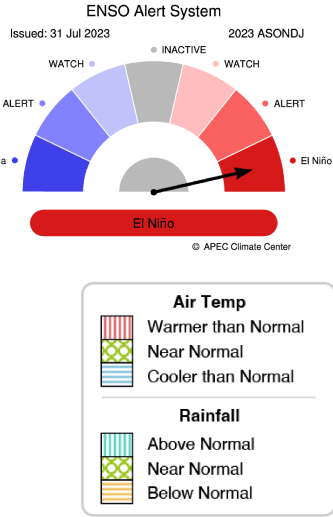


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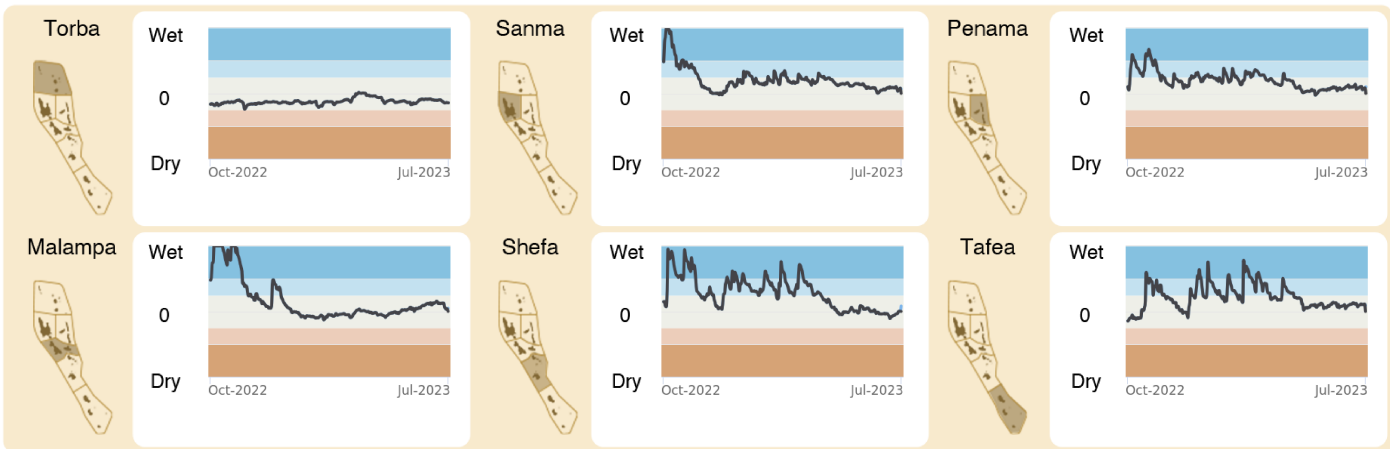
Vanuatu Meteorology & Geo-Hazards Department, Department of Agriculture & Rural Development

Seasonal Forecasts(Aug~Oct)



- The APEC ENSO Alert suggests "El Niño". In June 2023, above normal sea surface temperature anomalies spanned the equatorial Pacific. The Niño3.4 index is expected to be above 1.4°C for August 2023 - January 2024. The probability for El Niño conditions is expected to be above 97% 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 July kasep October 2023

Fes Kwata	Ful Moon	Las Kwata	Niu Moon
26 July	03 July	10 July	18 July
24 August	02 August	08 August	16 August
23 September	29 September	07 September	15 September
22 October	29 October	07 October	15 October

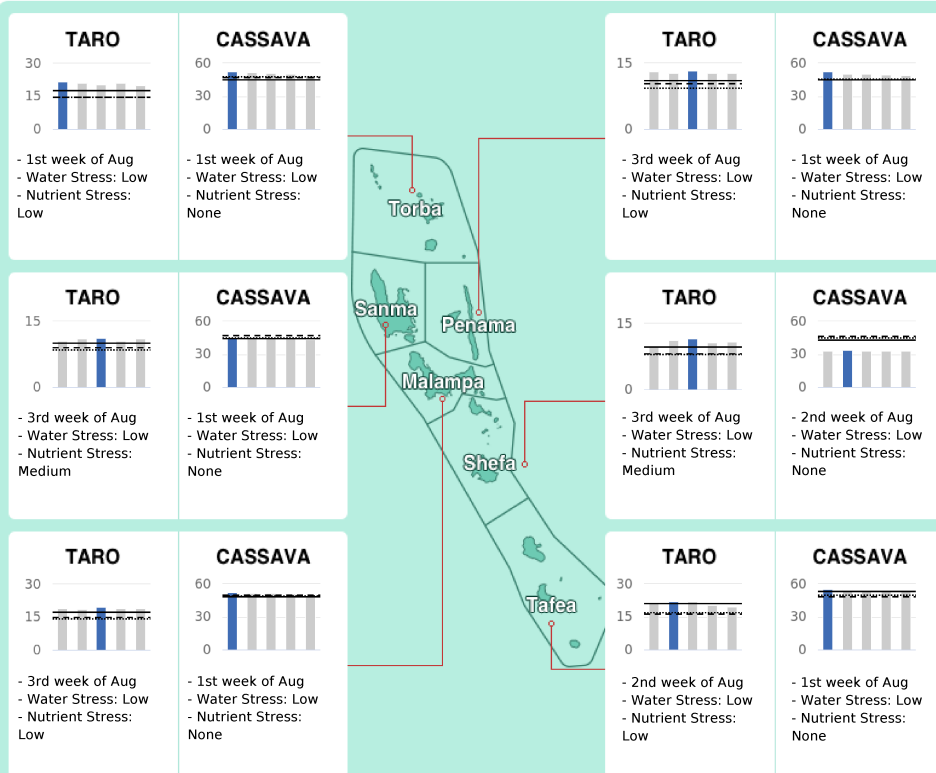
Climate Smart Recommendations for Crop Cultivation

Best Crop Planting Week

Blue bars indicate the best crop planting week.

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 August 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.

Nutrient Stress during all seasons for all crops

- Do Compost! Incorporate organic matters into the soil (e.g well-rotted manure, compost)
- Apply Mulch! Apply organic mulch around the crop after planting (e.g dried weed and leaves, vetiver grass, straw)

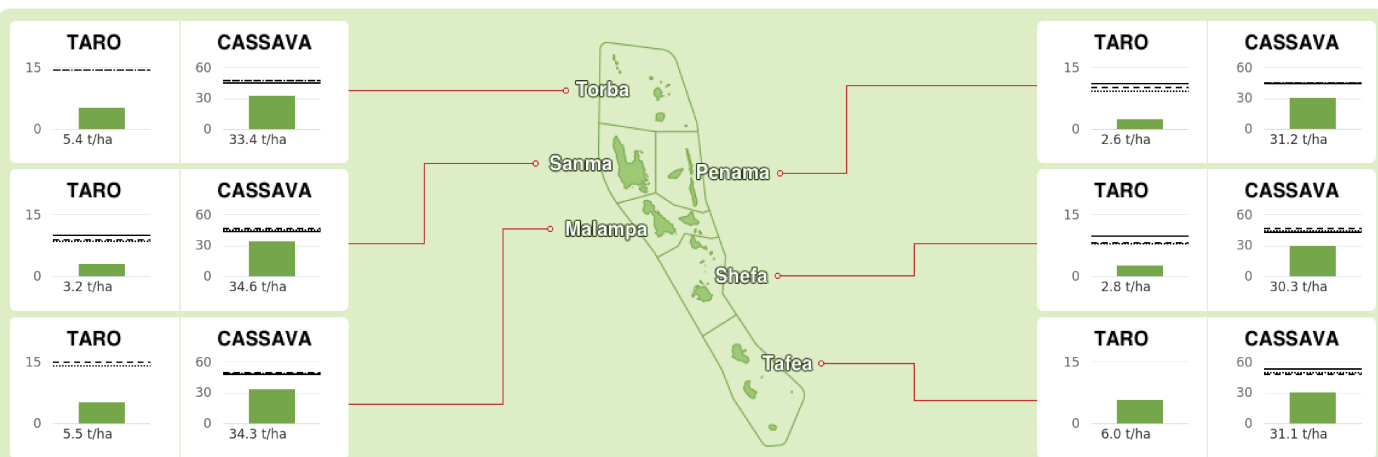
Water Stress during Cool-Dry Season

- Provide Water Source! Use of banana stems cut into cubes and then dig holes besides crop stems and apply cubes for plants to absorb water from banana cubs
- Practice Mucuna-Taro rotation! Establish Mucuna, slash it, then plant directly through the mulch

More information can be found in the decision tree based advisory of OSCAR (oscar.epinet.kr).

Predicted Yield in August

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



- Above are the predicted crop yield in August.

- Tafea is projected to highest Cassava fresh yield, reaching 6 ton/ha. Yield is lower than last year, lower than the 10-year and 5-year average yield.
- Sanma is projected to highest Cassava fresh yield, reaching 35 ton/ha. Yield is lower than last year, lower 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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