



Supporting Farmers Through Climate-Smart Agriculture

GCFSAP020



CLIMATE-RESILIENCE FOOD SECURITY FOR EVERY HOUSEHOLD ACROSS FSM



What is Climate-Smart Agriculture (CSA)?

Climate-Smart Agriculture (CSA) is an approach to farming that helps farmers adapt to changing climate conditions, increase crop productivity, and reduce risks from extreme weather such as droughts and heavy rainfall.

CSA focuses on simple and practical actions such as improving soil health, managing water wisely, and choosing the right crops for changing conditions. By applying CSA practices, farmers can better protect their crops, sustain their livelihoods, and contribute to long-term food security for their communities.

CSA Trainers in Yap



Climate Outlook for June to December

June to December is expected to bring drier-than-usual conditions in many areas, with limited rainfall and extended dry periods. These dry conditions may affect crop growth, reduce soil moisture, and increase water stress for farms. Hotter temperatures may also contribute to increased pest activity and crop damage. Farmers are encouraged to conserve water, monitor crop conditions closely, and prepare for prolonged dry weather.

How El Niño Affects FSM?

El Niño can significantly affect weather patterns across the Federated States of Micronesia (FSM). During El Niño, rainfall patterns often shift eastward, bringing drier-than-normal conditions and increasing the risk of drought across many islands. Reduced rainfall can affect water availability for farms, increase crop stress, and impact food production. El Niño may also affect marine environments and local economies that depend on healthy land and ocean resources.

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KEY RISKS TO WATCH

- Extended dry periods and drought conditions
- Water shortages due to reduced rainfall and drought conditions
- Crop stress due to heat and lack of moisture
- Increased pests affecting weakened crops
- Reduced crop yield and soil dryness

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RECOMMENDED ACTIONS FOR FARMERS

Water Management

- Collect and store rainwater whenever possible for later use
- Water crops early in the morning or late afternoon to reduce water loss
- Use simple irrigation methods to make water last longer

Soil Protection

- Apply mulch (dry leaves, grass, coconut husks) to help retain soil moisture
- Add compost or organic matter to improve soil health and water retention
- Avoid burning crop residues to protect soil quality

Crop Management

- Plant drought-tolerant and locally adapted crops
- Space crops properly to reduce competition for water
- Plant a variety of crops to reduce the risk of total crop loss

Pest and Disease Management

- Regularly inspect crops for pests, especially during hot and dry periods
- Remove damaged plants to prevent pests from spreading
- Keep farm areas clean and well-maintained





CSA Climate Advisory Newsletter



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Why this matters

Climate change is already affecting farming and food production. Taking small, practical steps now can help reduce risks, protect crops, and ensure a stable food supply for families and communities. Climate change is already affecting food production, marine resources, and local livelihoods across FSM. These changes can impact farmers, families, and communities that depend on healthy land and ocean resources. Climate-Smart Agriculture helps farmers adapt, protect crops, and strengthen food security for future generations.



We want your FEEDBACK!



**CSA Trainers
in Kosrae**

THE FSM FOOD SECURITY PROJECT WELCOMES ALL FEEDBACK, INCLUDING COMPLAINTS ABOUT ENVIRONMENTAL OR SOCIAL HARM CAUSED BY THIS PROJECT. TO LODGE YOUR FEEDBACK OR COMPLAINT, YOU CAN:

1. LODGE ONLINE AT THE FOLLOWING WEBSITES:

- MCT WEBSITE AT WWW.OURMICRONESIA.ORG GCF
- WEBSITE AT [HTTPS://IRM.GREENCLIMATE.FUND](https://IRM.GREENCLIMATE.FUND)

2. SEND FORMAL EMAIL TO MCT EXECUTIVE DIRECTOR AT director@ourmicronesia.org

3. DROP OFF IN GRIEVANCES BOXES AT:

- PALIKIR, POHNPEI, FSM R&D OFFICE PALIKIR, POHNPEI, FSM DECEMPALIKIR, POHNPEI, COM-FSM

STAY INFORMED! Visit us @ <https://fsm-data.sprep.org/project/fsm-gcf-sap020> to learn more about the GCFSAP020 – Climate-Resilient Food Security Project.



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