Getting started

- References
- Field and Lab resources
- Getting the most from the references
- What to take to the field
- What to do once your there

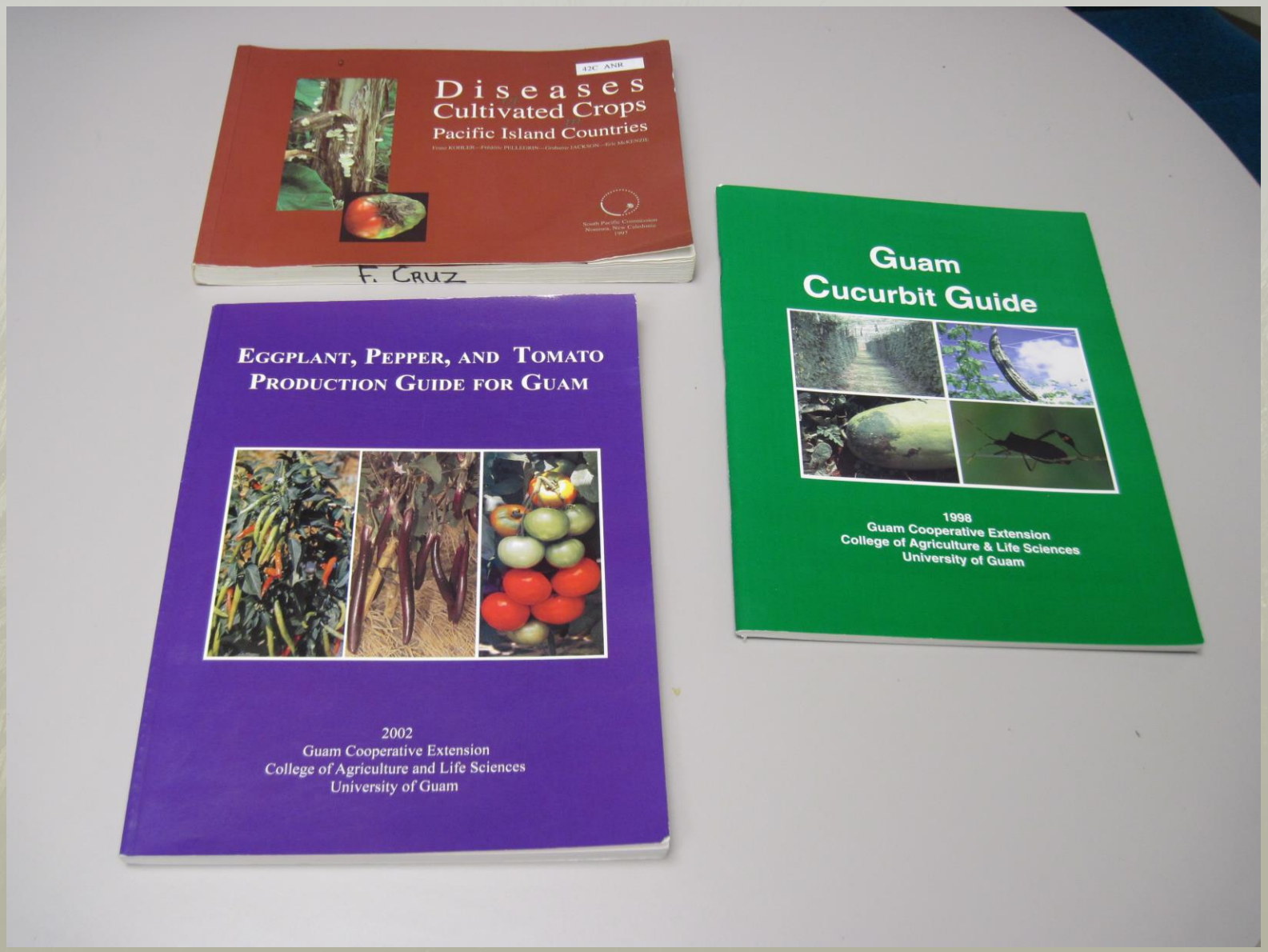
Literature Resources provided

- Collecting Plant Disease and Insect Pest Samples for Problem Diagnnsis
- Guam Vegetable production guides
- SPC Diseases of Cultivated Crop in Pacific Island Countries
- Powerpoint presentations (flash)
- General Guidelines for Collecting and sample submission (flash)
- Home Vegetable Production Guide (flash).
- Information Resources list (flash)
- Plant Diagnostic Sample submission form (flash)
- Final Agenda
- Workshop Sample form
- Bacterial streaming
- Sample storage
- Copier as Diagnostic tool
- How to make a wet mount
- Dr. G. Wall 2007 Guam Plant Disease list (flash)
- Wood, but and root rot Western Pacific islands (flash)
- Hypersensitivity bacterial test
- Bioassay for bacterial soft rot
- Preparing a wet mount
- Phytophthora Black Rot of orchid
-

Laboratory & field resources provided

- Clip board
- Flagging tape
- Hand lens
- Tote bag
- Note pad
- Zip lock bags, pen, sharpie,
- Basic dissection kit
- Folder for handout
- Computer flash drive

Getting the most from the manuals



SPC Diseases of Cultivated Crop in Pacific Island Countries

- Host
- Site of infection
- Importance of the disease
- Symptoms
- Treatment (on flash drive version)

Guam Vegetable production guides
Plant Problems and Solutions

- Trouble Shooting Problems
- Plant Diseases
- Animals Pests
- Insects & Mites
- Production

Things to take to the field
and
what to do once you arrive

Cercospora leaf spot on pepper

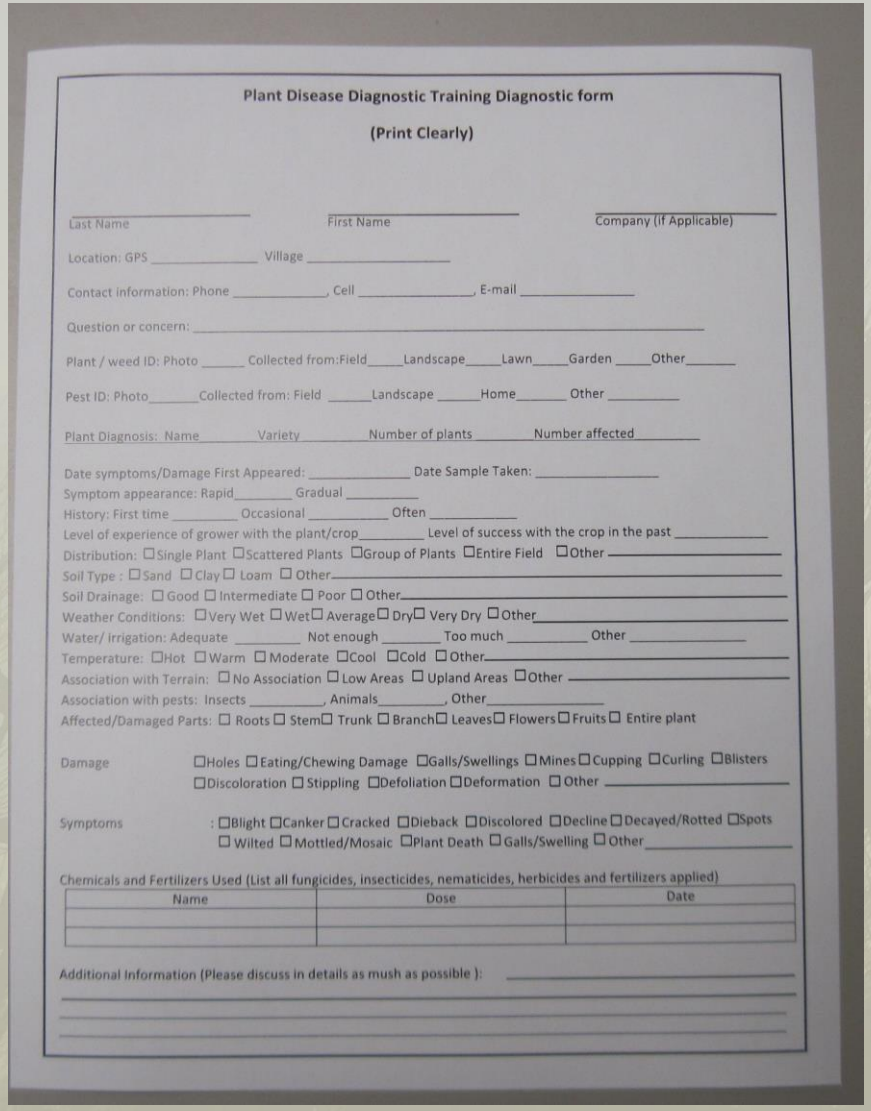
Two spotted spider mite – warm season
© Marlin C. Rice

Field related handouts provided

- Collecting Plant Disease and Insect Pest Samples for Problem Diagnosis
- Guam Vegetable production guides
- SPC Diseases of Cultivated Crop in Pacific Island Countries
- Workshop Sample form
-
- Sample storage
-

Things for the field

- Clip board
- Flagging tape (to mark plants for discussion)
- Hand lens
- Note pad
- Zip lock bags, pen, sharpie
- Pocket knife
- Camera
- Workshop sample information form



Plant Disease Diagnostic Training Diagnostic form

(Print Clearly)

Last Name _____ First Name _____ Company (if Applicable) _____

Location: GPS _____ Village _____

Contact information: Phone _____, Cell _____, E-mail _____

Question or concern: _____

Plant / weed ID: Photo _____ Collected from:Field____Landscape____Lawn____Garden ____Other_____

Pest ID: Photo_____Collected from: Field _____Landscape _____Home_____ Other _____

Plant Diagnosis: Name_____Variety_____Number of plants _____Number affected_____

Date symptoms/Damage First Appeared: _____ Date Sample Taken: _____

Symptom appearance: Rapid_____ Gradual _____

History: First time _____ Occasional _____ Often _____

Level of experience of grower with the plant/crop_____ Level of success with the crop in the past _____

Distribution: ☐Single Plant ☐Scattered Plants ☐Group of Plants ☐Entire Field ☐Other _____

Soil Type : ☐Sand ☐Clay ☐ Loam ☐ Other_____

Soil Drainage: ☐ Good ☐ Intermediate ☐ Poor ☐ Other_____

Weather Conditions: ☐Very Wet ☐ Wet☐ Average☐ Dry☐ Very Dry ☐Other_____

Water/ Irrigation: Adequate _____ Not enough _____ Too much _____ Other _____

Temperature: ☐Hot ☐Warm ☐ Moderate ☐Cool ☐Cold ☐ Other_____

Association with Terrain: ☐ No Association ☐ Low Areas ☐ Upland Areas ☐Other _____

Association with pests: Insects _____, Animals_____, Other_____

Affected/Damaged Parts: ☐ Roots ☐ Stem☐ Trunk ☐ Branch☐ Leaves☐ Flowers☐ Fruits☐ Entire plant

Damage ☐Holes ☐Eating/Chewing Damage ☐Galls/Swellings ☐Mines☐Cupping ☐Curling ☐Blisters
☐Discoloration ☐ Stippling ☐Defoliation☐Deformation ☐ Other _____

Symptoms : ☐Blight ☐Canker☐Cracked ☐Dieback ☐Discolored ☐Decline☐Decayed/Rotted ☐Spots
☐ Wilted ☐ Mottled/Mosaic ☐Plant Death ☐Galls/Swelling ☐Other_____

Chemicals and Fertilizers Used (List all fungicides, insecticides, nematicides, herbicides and fertilizers applied)

Name	Dose	Date

Additional Information (Please discuss in details as mush as possible): _____

Purpose of field trip

Learn about cultural practices

Get hands on experience

- **identifying symptoms and damage**
- **Collecting information**
- **Collecting sample**