

- Provision of seeds/plant materials and insect specimens or cultures for research purposes.
- Provide technical assistance through consultations and farm visits, as research evaluator and thesis adviser for undergraduate and graduate students.



- Linkages with research institutions, line agencies, SUCs, LGUs, NGOs and POs.

- On-the-Job training and farm practice for students (college and high school) on mango production and processing.



### Seed Security System

- Production of parent-source trees and quality planting materials (grafted mango).



- Distribution of NSIC registered quality planting materials (scion and grafted mango).

- Evaluation and accreditation of promising mother trees (MT).

- Conduct survey and evaluation and recommend for accreditation/re-accreditation of potential nursery operators.



- Maintenance of germplasm and existing foundation scion grove.

### TECHNICAL PERSONNEL

Name	Position/ Designation	Specialization
Yondre J. Yonder, MSc	Agric. II/ Officer-In-Charge	Plant propagation and Nursery management, Crop production
Helen G. Bignayan, BSA	Sr. Agric./ Research Coordinator	Crop protection, IPM, Biological-control
Erdie G. Gaitan, BSA	Agric. II	Cultural management, Plant Genetic Resources (PGR)
Wilfredo G. Zamora, BSAE	Agric. II/ Production In-Charge	Plant propagation and Nursery management
Ruth F. Jardeleza, BSChE	Agric. II	Biological control
Lilia P. Habaña, BSA	Agric. I	Plant Genetic Resources (PGR)
Rhod S. Orquia, BSAE	Agric. I/ Extension In-Charge	Cultural management, Postharvest handling



#### **For more information, please contact:**

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Republic of the Philippines  
DEPARTMENT OF AGRICULTURE  
BUREAU OF PLANT INDUSTRY



# NATIONAL MANGO RESEARCH AND DEVELOPMENT CENTER

San Miguel, Jordan, Guimaras  
Philippines



## National Mango Research & Development Center

... is the latest crop center included in the family of Bureau of Plant Industry, specializing in high value crop ... Mango.

### Background information:

Year established - 1969

Previous names

1970 - Guimaras Mango and Coconut Station

1972 - Guimaras Seed Farm

1977 - Guimaras Horticultural Research Station

1980 - Guimaras Experiment Station

1993 - National Mango Research & Development Center, through DA Order No. 1, Series of 1993 signed by DA Sec. Roberto S. Sebastian



### Land Area

Main compound - 8.872 ha. (San Miguel, Jordan)

Satellite stations:

8 ha. - Piña, Buenavista

1 ha. - Mclain, Buenavista



A globally competitive mango industry

Spearhead in the development and adoption of cost-effective and environment friendly mango technologies.

### MANDATES

Widen its scope and function encompassing all disciplines and targets of the mango industry.

Perform functions which must be broad as a national center and as specific to requirements and needs of the mango.

Study and develop cost-effective and applicable production technologies like plant propagation, crop protection, fertilization, water management, pruning, etc.

Develop 'Carabao' mango as top commercial crop.

Broaden its scope to include intensive works on post-harvest handling, maintain fruit quality and prolong shelf-life of mango.

Characterize physio-chemical aspects of mango in relation to quality before and after harvest.

Maintain germplasm collection for mango and continuous varietal improvement.

Serve as data bank for all aspects of the mango industry.

Spearhead and maintain strong linkages with local and international research institutions involved in mango R & D.

Provide the mango industry with relevant up-to-date information on RD&E.

### FUNCTIONS OF THE DIFFERENT UNITS

#### Research, Development and Extension (RD&E)

Generate and develop cost-effective and applicable production technologies to enhance productivity and export of quality fruits. This include disciplines on:



Plant Genetic Resources (PGR) - Genebanking of different mango varieties through collection, conservation, characterization, evaluation and documentation.



Varietal improvement - Breeding/Selection of improved strains of 'Carabao' mango.

Propagation - Multiplication of planting materials through appropriate research technologies.

Cultural management - Pruning, fertilization, irrigation, flower induction, flower and fruit management.

Crop protection - Survey and pest monitoring, biology, pesticide screening, Integrated Pest Management (IPM) and biological control.



Post-harvest handling - Proper harvesting based on maturity indices, post-harvest handling, disinfestations and packaging.

Implement activities to enhance technology promotion and dissemination, technical and material assistance, linkages and manpower capacity building.

Information dissemination on packaged of technologies through establishments of techno-demo farms, seminars, trainings and lecture/demo.



Participation to information campaigns, i.e. techno-fora, caravan, field days, agri-trade fairs and exhibits.

Development and distribution of IEC materials of packaged technologies on mango production.

