MAIN DUTY

Conduct Research and Development on Agricultural Engineering

FUNCTIONS

- R&D on Agricultural Engineering
- Design and Development
- Testing and Evaluation of Machinery
- Policy Analysis on Agricultural Mechanization
RESEARCH PROGRAM

1. R&D ON PRODUCTIVITY AND EFFICIENCY OF RESOURCE UTILIZATION

2. R&D ON PROCESSING AND INCREASING OF ADDED VALUE FOR AGRICULTURE PRODUCE

3. R&D ON ENERGY APPLICATION IN AGRICULTURE

4. DISSEMINATION AND EXTENTION OF NEW PROTOTYPE OF AGRIC. MACHINERY

5. SYSTEM MANAGEMENT IN AGRICULTURAL MECHANIZATION
MAIN RESEARCH OUTPUTS (2003-2004)
PRE HARVEST MACHINERY
Application of drip irrigation

Energi saving

Water use efficiency

High value crops
POST HARVEST MECHANIZATION

- VACUM FRYER
- ALLOEVERA
- MANGOSTEEN
- CACAO PROCESSING
Reaching Cacao Added Value Through Good Handling Practices

- Harvesting
- Pulpening
- Separation
- Drying and fermentation
- Grading
- Frying
- Milling
- Final Product

Main Product

Product Diversification

- Nata de Cacao
- Cacao butter
1. Cassava Slicer

Small farm mechanization for marginal land and low farm income farmers:

1. Increase productivity
2. Improved added value
3. Reduce post harvest losses
4. Improved indigenous technology

2. FOLDED THRESHER