

Seed Production by MOA

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Research Seed Activities

 Good quality seed is one of the main factors that determine the success of a crop.



Why MoA Research Has Been Producing Seeds?

- Crops and Varieties not commercially available (Pulses, Chahat, Pritam, Alton)
- To Support the export market
- Requirements under the Bilateral Quarantine Arrangement (BQA) Pathway
- Open Pollinated Varieties

Why MoA Research Has Been Producing Seeds?

- Expertise Technical Know How
- Infrastructure (Machines, Land Area, Irrigation, Nurseries, etc)
- Storage Facilities
- Member of Asia Pacific Seed Association (APSA).

Current Activities

Varietal Evaluation

 Testing performance, adaptability and disease tolerance of introduced varieties (Vegetables, Pulses, Maize Rice & Kumala) in collaboration with Breeding institutions – AVRDC, ICRISAT, CIMMYT, IRRI, etc.



2. Crop Breeding

- Breeding work on eggplant, chillies and okra to improve quality and disease tolerance (Anthracnose)
- Breeding on Passion fruit to improve fruit quality and attain self pollination
- Breeding on Taro for disease tolerance (TLB)



3.Varietal Maintenance and Production of Foundation Seeds

- Maize (Nirala)
- Chillies (Red Fire)
- Eggplant (Pritam & Chahat)

- Tomato (Alton, Alafua Large, Melrose)

3.Varietal Maintenance and Production of Foundation Seeds

- Cowpea (Mana & Tara)
- Pigeonpea (Kamica & Bharphur)
- Peanut (Local Spanish & Vishaal)
- Urd (Kiran)
- Mungbean (Samraat)

3.Varietal Maintenance and Production of Foundation Seeds

Sweet Corn (Hawaiian Super Sweet)

- Rice (7 varieties)

- Papaya (I variety)

4. Maintenance of Mother Plants

- Mangoes (5 commercial varieties)
- Citrus (7 commercial varieties)
- Breadfruit (2 commercial varieties)
- Exotic Fruits (Mangosteen, Rambutan, Abiu, etc)
- Indigenous Fruits (Kavika,Wi,Tarawau, etc)
- Coconut (7 varieties)
 Cocoa (2 varieties)



5. Production of Farmer Seeds

- Eggplant (80 kg)
- Tomato (50 kg)
- Chillies (20 kg)
- Maize (4,000 kg)
- Cowpea (800 kg)
- Pigeon pea (500 kg)
- Peanut (400 kg)



5. Production of Farmer Seeds

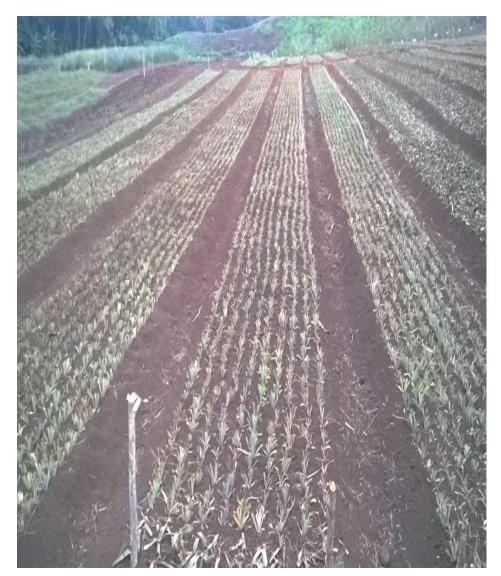
- Urd (50 kg)
- Mungbean (50 kg)
- Rice (35,000 kg)
- Yams (15,000 kg)
- Ginger (6,000 kg)



- Coconut (260,000 seed nuts)

6. Production of Seedlings

- **P**apaya 25,000
- Pineapple 350,000
- Citrus 2,000
- Assorted fruits 3,600
- Dalo 100,000
- Kumala cuttings 100,000
- Cassava 30,000



Seed Certification Scheme

 Monitoring and Seed certification of Papaya Seed production by Nature's way Cooperative.

Pasture Seeds

- Signal Grass 500 kg
- Setaria Grass 500 kg
- Seca Stylo 200 kg
- Forrage Sorghum Seeds 200 kg

All pasture seeds are imported from Australia





Opportunities ?????

Seed Production by Research

National Seed Policy

- <u>Seed policy\THE NATIONAL SEED</u> <u>POLICY FRAMEWORK.pdf</u>
- Development of local seed industry
- Formation of Seed Unit
- Seed quality assurance

Thank You