



# 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

## I. 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 (1 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

- Papaya – 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



Seed Production by Private sector

# National Seed Policy

- [Seed policy\THE NATIONAL SEED POLICY FRAMEWORK.pdf](#)
- Development of local seed industry
- Formation of Seed Unit
- Seed quality assurance



**Thank You**