

sustainable production

1. Irrigation and Water Management xxx (4)
  - a. Efficient Irrigation Systems
    - i. adapting existing gravity fed systems
    - ii. water capture
    - iii. adaptation of systems to local conditions
    - iv. Systems linked to local WOMEN manufacturers
    - v. technical/policy support
  - b. Clean Water
    - i. enabling policy/technical support
    - ii. development of appropriate technology for clean water (solarization, chlorination, biofilters, etc.)
    - iii. waste water utilization
  - c. Water Resource Management (conservation)
    - i. mulching, composting, water capture, policy, matching water and crop deficit irrigation drought/flood tolerance
2. Pest Management xxx (4)
  - a. Germplasm for resistance
    - i. local screening and selection
    - ii. selection and introduction of germplasm
    - iii. improved availability of seed and propagules
  - b. Biocontrol tools
    - i. local biocontrol agents for local pests (monitoring and ID)
    - ii. soil amendments
  - c. Diagnostics
    - i. develop diagnostic tools
    - ii. monitoring and identification of insects, weeds and diseases
3. Diversity of Production System xxx (4)
  - a. Improved Cropping Systems
    - i. crop rotations
    - ii. protected culture
    - iii. urban and periurban horticulture
    - iv. intercropping
    - v. multi-story cropping
  - b. New Crop Development
    - i. local genetic resources
    - ii. introgression/introduction germplasm
    - iii. indigenous crops

Aeroponics

Information Systems x (2)

Controlled or Protected Culture

Enabling Policy (social side)

Soil Management xx (3)

Germplasm x (2)

Organic

Certification

Climate Change (mitigation)