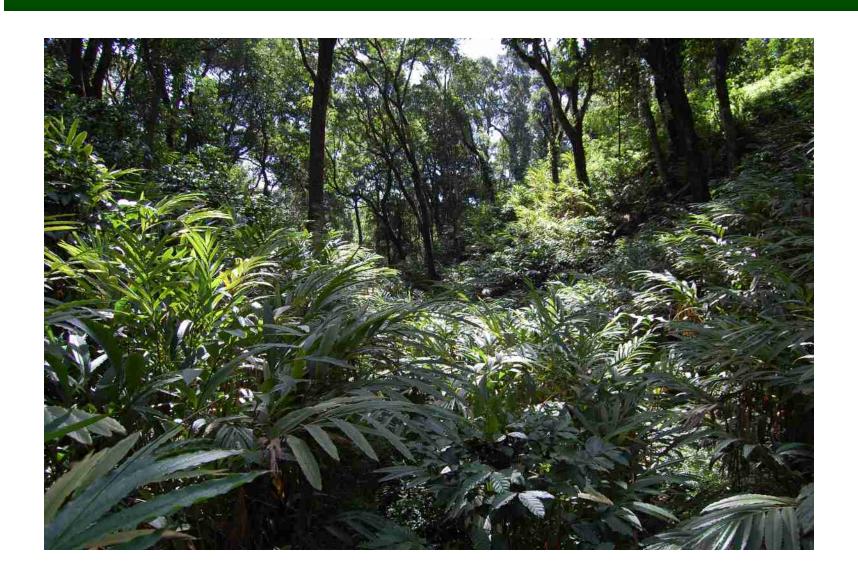
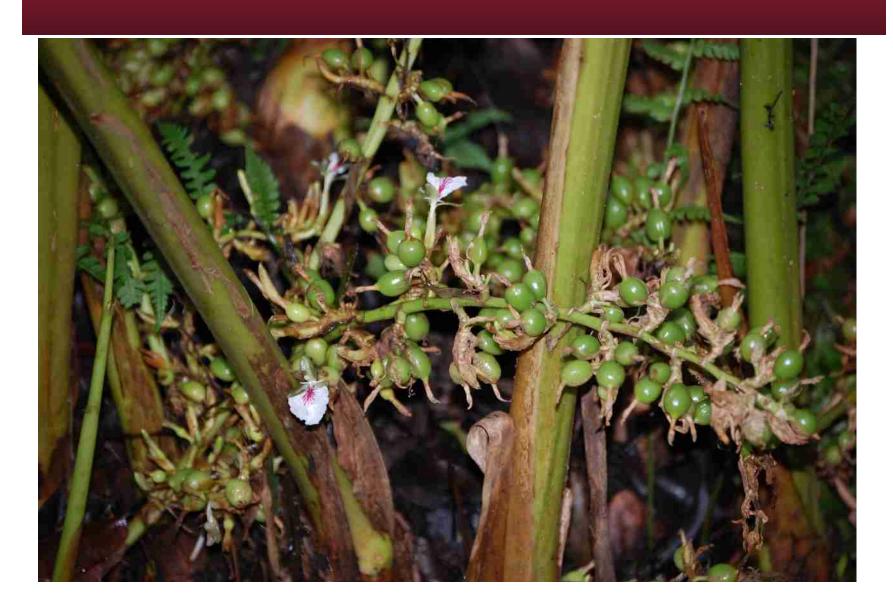
Enhancing Plant Defense for Pest and Disease Management

Anurag, Sujata and Maya Goel
Mojo Plantation, Kodagu
Karnataka

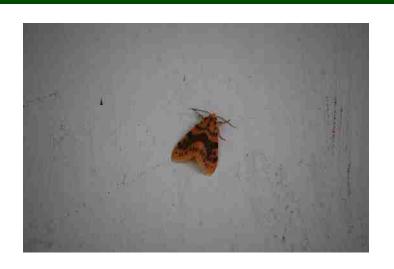
Mojo Plantation



Cardamom



Cardamom Stem Borer





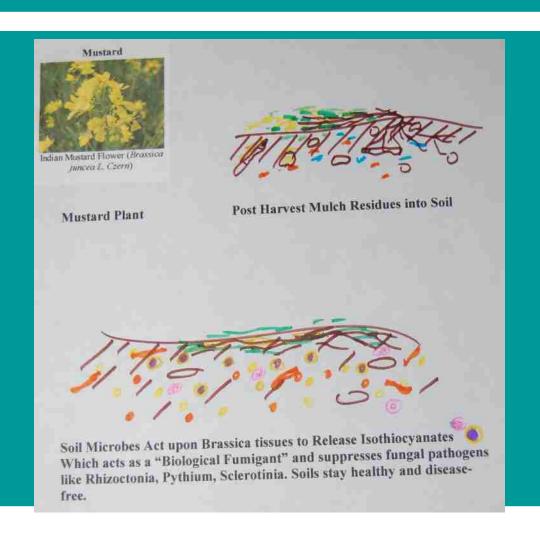
Plant Extracts for Pest Control

- Pongamia pinnata
- Annona reticulata
- Ocimum tenuiflora
- Nicotiana plumbaginifolia
- Lantana camara
- Vitex negundo

Traditional Pest Management

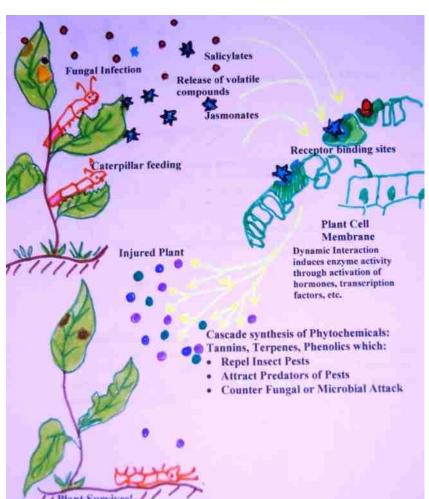
- Adathoda vasica
- Acorus calamus
- Alpina galanga
- Azadirachta indica
- Calotropis procera
- Cassia fistula
- Crotolaria retusa

Mustard Magic



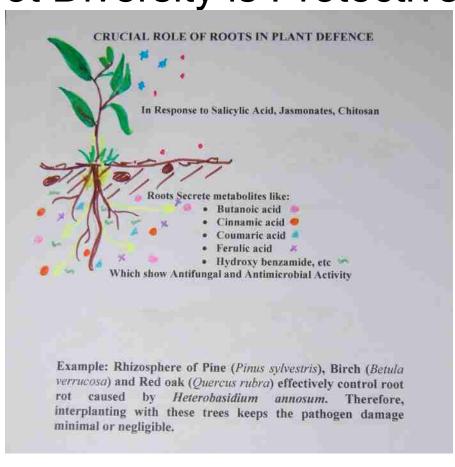
Induction of Defense Pathways

Jasmonate Pathway



Significance of Rhizosphere

Root Diversity is Protective



Biodiversity Creates a Foundation









Wasps and Spiders as Predators









Dragonflies and Fly









Logical Conclusions



- Multi-crop at all levels
- Keep cropped areas surrounded by fallow lands
- Encourage weed diversity.
 These are primary habitats for predators
- Encourage biodiversity through resource management
- Minimize sprays to nutritional and liquid manure applications
- ENABLE Nature to create a balance in your fields.