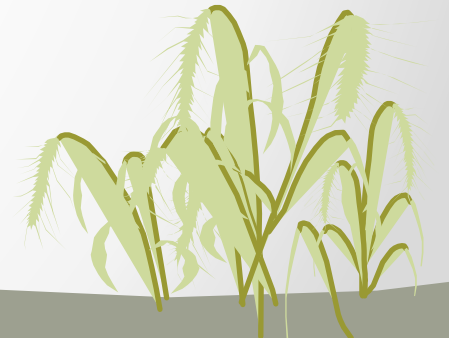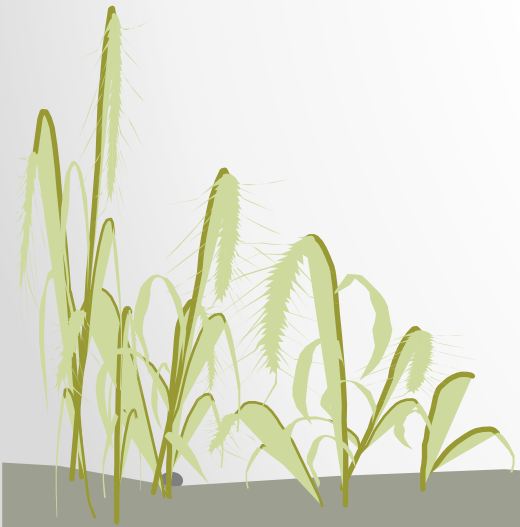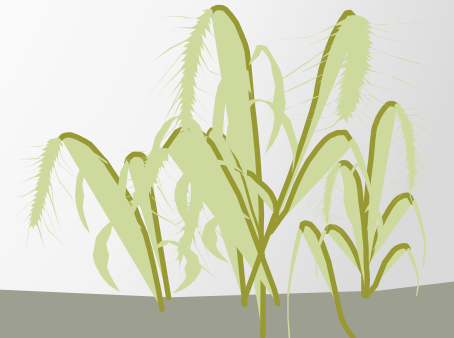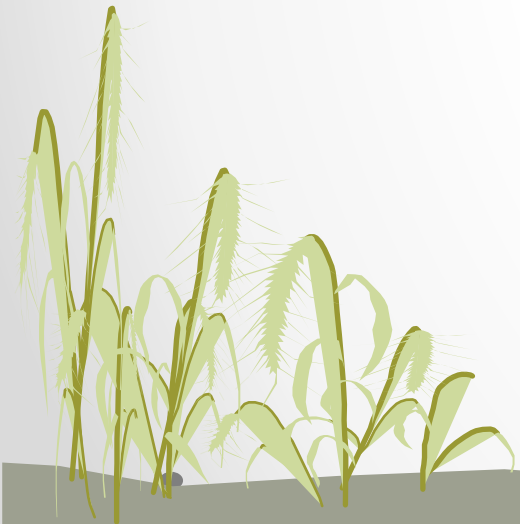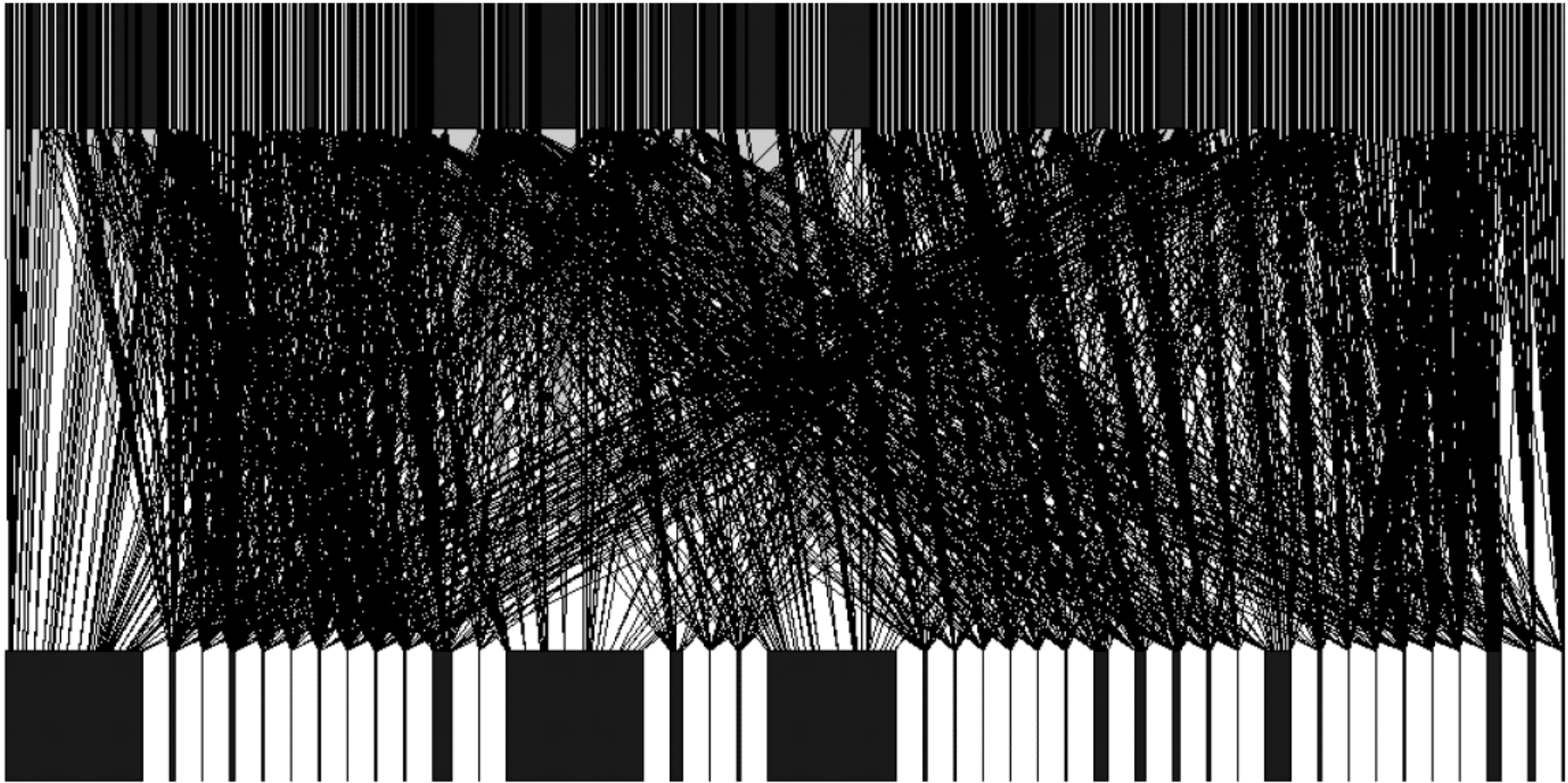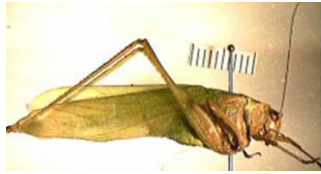# Entomology
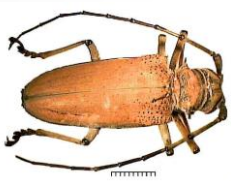
Study of insects

Common insect orders

- Coleoptera
  - Beetles
- Diptera
  - Flies & Mosquitoes
- Lepidoptera
  - Butterflies & Moths
- Hymenoptera
  - Bees & Ants
- Hemiptera
  - True bugs
- Orthoptera
  - Grasshoppers & Crickets
- Homoptera
  - Leaf hoppers & Aphids
- Odonata
  - Dragon flies
- Blattodea
  - Cockroaches
- Mantodea
  - Mantids (*Praying mandids*)
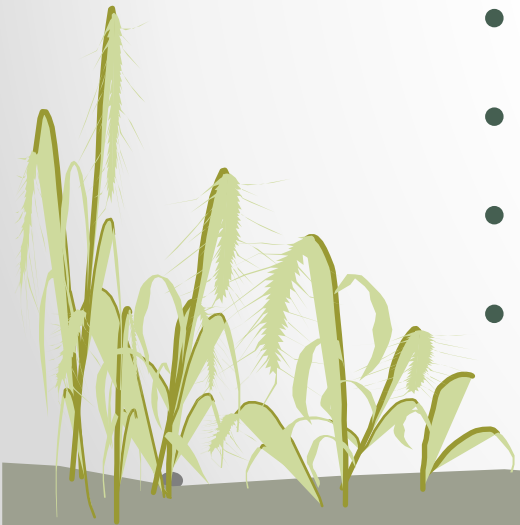- Isoptera
  - Termites

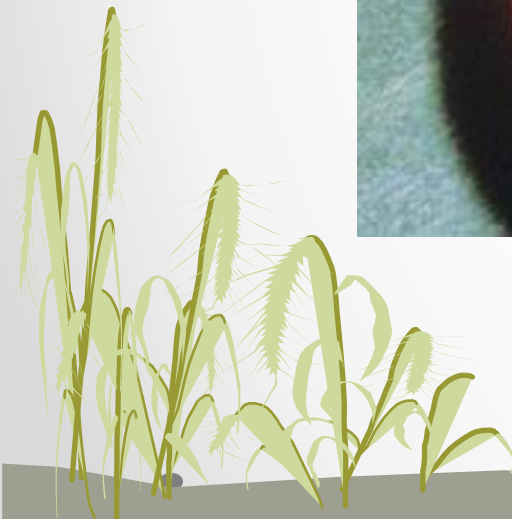# Food web including folivorous herbivores on 38 tree species in a New Guinean rainforest

Insect Monitoring techniques

- Light
- Baits (Tuna, cordial, etc.)
- Lures (Pheromones)
- Net
- Pitfall traps
- Malaise trap
- Whinkler
- Rearing
- Hand search (cutting woods and nests)

Fruit fly (Diptera: Tephritidae)

Fruitfly Pheromone trapping

Steiner traps
(ME, Cue & Zingerone lures)

Trap servicing
(48 hours)

Assortment, Identification & Reference collection
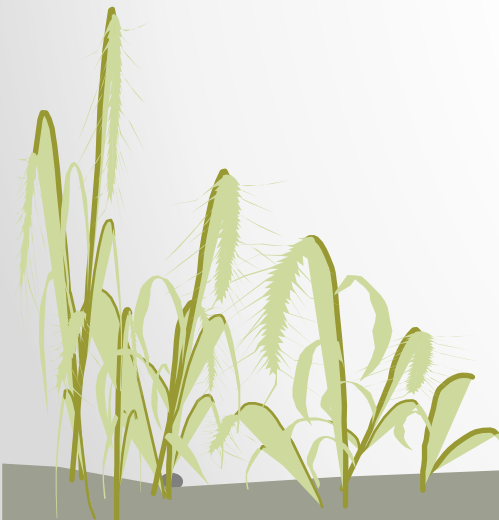
Moth Light Trapping

Light trap set-up

Collection of Geometrid moth using killing jars

Lab sorting, identification, data basing & reference collection

Field Sorting into Morpho-species
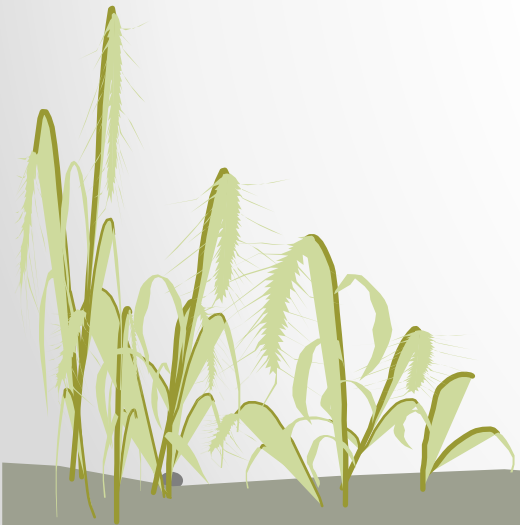
Ant Ground Sampling design

1. **Tuna Bait**

2. **Hand Collection**

Other sampling methods

- Whinkler
- Sweep net

END