

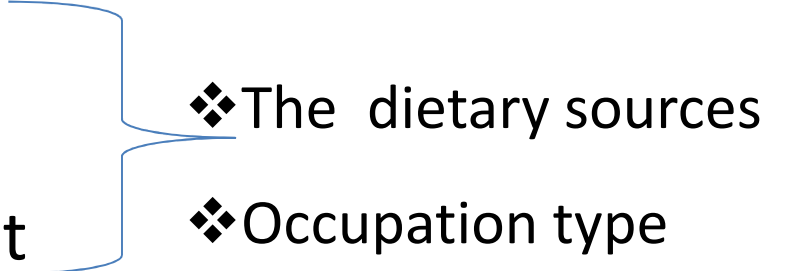
Group 5;  
Human health risk Assessment

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# Human health risk

- Objective;-
- To estimate the impact of pesticide on human health.
  - Dietary risk assessment (food and water).
  - Occupational health risk assessment (transport, storage and application).

# Questions /tasks

- Model/method for dietary risk assessment
  - Occupational risk assessment
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- ❖ The dietary sources
  - ❖ Occupation type

➤ Biopesticide risk assessment

- The dietary sources

- Pesticide application
- Consumption/productivity

## Dietary risk assessment (Food source to be assessed)

S/N	Food source Item	Specific foodstuff sources
1	Cereal	Teff, maize, sorghum and wheat
2	Pulses	Bean and pea
3	Oil crops	Sesame and cotton seed
4	Tuber and root crops	Potato and sweet potato
5	Fruits	Orange
6	vegetables	Tomato, onion and cabbage
7	Stimulants	Chat and coffee
8	Animal products	Milk, meat and fish
9	Honey	
10	Drinking water	

# Occupational health risk assessment

- Persons directly involved with pesticides
  - Store keepers
  - Daily laborers (loading/unloading)
  - Applicator
  - Retailer
  - Daily laborer (Flower farms and state farms)
  - Flag person/man
  - Shop keepers (retailers)
  - Pesticide factors
  - Distributors
  - Farmers

## Cont'd ....

- Store keeper
  - Flower farms, state farms, MOH and MOA, importers, private farms
- Daily laborers
  - Importer, MOH and MOA
- Pesticide applicators
  - Flower farm, state farm, commercial farm, vector control workers, pest control service providers, DAs

# Cont'd...

- Retailers
  - Crop protection officers at all levels
- Flag person
  - Large scale commercial farms
- Shop keepers
  - retailer shops
- Pesticide factory workers
  - Production workers, store keeper, loading and unloading

# Biopesticide health risk assessment

- Yes, we should deal human health risk assessment
  - Applicator



## Recommendation

- National MRL for various food items should be established
- Appropriate risk assessment method based on our country context should be developed for dietary.
- Occupational risk assessment should also...

**Thank you for your attention**

