

Data Requirements for YGD

Kindie Tesfaye

Types of data

Basic household characteristics

- Members
- Type of members (HHH, spouse, children)
- Level of education
- Farming experience

Plot information

- GPS location
- Area of the largest plot
- Crop type grown
- History of the plot (previous crop)

Types of data

Basic household assets

- Household assets
- Family labor supply
- Access to credit
- Social support

Location, plot area and crop type

- GPS location of largest field
- Area of the field
- Crop type

Types of data

Farm Management

- No. of plots
- Crop types
- Farming system

Crop Management

- Land preparation
 - Time
 - Frequency
 - Type of land preparation
 - Labor requirement

Types of data

Crop Management

- Sowing
 - Time
 - Type of sowing
 - Seed rate
 - Seed type (improved, local)
 - Labor requirement

Types of data

Crop Management

- Input use
 - Fertilizer
 - Type (organic, inorganic)
 - Method of application
 - Amount
 - Date of application
 - Labor input

Types of data

Weed Management

- Type/method of weed management
 - Time of weed control
 - Time
 - Labor input

Types of data

Irrigation Management

- Date of application
- Amount applied
- Method of application
- System (?) of Irrigation
(e.g., wet and dry)

Types of data

Crop Protection

- Disease control
 - Chemical /botanical
 - Amount applied
 - Frequency of application
 - Labor input

Types of data

Crop Protection

- Pest control
 - Chemical /botanical
 - Amount applied
 - Frequency of application
 - Labor input

Types of data

Production constraints

- List of production constraints
 - Soil related
 - Climate related
 - Pest and diseases
 - Poor management
 - Theft ?

Types of data

Crop cut and yield

- **Plot information**
 - Area of the plot to be harvested
 - Observations of the plot (condition of the plot (well managed, poorly managed, damaged, etc.).
- **Yield**
 - Date of crop harvest
 - Yield of harvested plot (moisture adjusted)

Discussion

- Perennial crops:
 - Crop management
 - Potential yield estimations
 - Season specific operations