Objectives

1. Obtain a preliminary understanding of farming systems and land tenure
2. Identify farmers’ perceptions of weather patterns
3. Obtain a preliminary understanding of major challenges and constraints facing farmers
4. Identify existing and potential CSA practices and assess demonstration plots
5. Identify opportunities for mainstreaming CSA
6. Identify gender dynamics

Activities

- Farmers Workshops
  + Listing crops/livestock and their uses
  + Village resource maps
  + Cropping calendars
  + Climate calendars
  + Historical calendars
  + Institutional mapping
  + Agriculture challenges for men, women and youth
- Expert Interviews
  + Farming systems
  + Demographics
  + Land tenure and access
  + Crop/livestock challenges
  + Land/crop/livestock management practices
- Farmer Interviews
  + Farm characteristics
  + Agriculture production & challenges
  + Household food security
  + Awareness and adoption of agriculture practices
- Farm Observations
  + Crop diversity
  + Soil properties
  + Topography
  + Socio-economic indicators
  + Demonstration plot visits

Example Outputs

- Institutional Mapping
- Cropping Calendar
- Outputs

The CSA-RA assesses multiple aspects of the farming systems and includes the below example outputs:

Institutional mapping diagram illustrates how the ‘male’ group in Bagamoyo, TZ ranked local institutes operating in the region. Color & size indicate importance (blue = high, yellow = medium and red = low).

Crop management activities for the two most important crops, reported by the men’s group in Kilolo, TZ. Symbols indicate who undertakes the activity (women, men, children, jointly).

Climate Calendar

The CSA-RA was developed as part of the CIAT-led, IFAD-funded project titled, “Increasing food security and farming system resilience in East Africa through wide-scale adoption of climate-smart agricultural practices”. Contacts: Leigh Winowiecki l.a.winowiecki@cgiar.org or Caroline Mwongera c.mwongera@cgiar.org

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