

Structured Questionnaire for Sheep Production Survey

Research Title: Husbandry and Performance of Local Sheep under Pastoral and Agro-Pastoral Production Systems in Southern Ethiopia

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Dear Respondent,

This questionnaire is designed to collect information on the husbandry and productivity of local sheep in Hamer and Benna-Tsema districts. We kindly request your honest and accurate responses. All information you provide will be used solely for research purposes and will be treated with strict confidentiality.

Thank you for your cooperation.

1. General information

Region: _____ Zone: _____ Woreda: _____ Kebele: _____ Agro-ecology: _____
Enumerator: _____ Date: _____

2. Household Demographics

2.1. Respondent Name: _____

2.2. Sex: 1 = Male, 2 = Female

2.3. Age (years): _____

2.4. Marital status: 1 = Single, 2 = Married, 3 = Widowed, 4 = Divorced

2.5. Household size (number of family members): _____

2.6. Educational level: 1 = Illiterate, 2 = Read & write, 3 = Primary school, 4 = Secondary school, 5 = College and above

2.7. Main occupation: _____

2.8. Current farming activities: 1 = Livestock only, 2 = Crop only, 3 = Mixed crop-livestock, 4 = Bee-keeping, 5 = Others (specify) _____

3. Land and livestock ownership

3.1. Landholding: Total area (ha): _____ - Land allocated for crops: _____ ha - Grazing/pasture: _____ ha - Fallow: _____ ha - Other uses: _____ ha

3.2. Flock Composition and Dynamics

1. Number of livestock owned: Cattle: _____ Sheep: _____ Goats: _____ Equines: _____ Poultry: _____

3.3. Sheep flock structure:

- Lambs (<3 months): _____
- Lambs (3–6 months): _____
- Lambs (6–12 months): _____
- Ewes (>1 year): _____
- Rams (>6 months): _____
- Castrates/fattening: _____

4. Objectives of Sheep Rearing

4.1. Purpose(s) of keeping sheep: Meat ☐ Milk ☐ Income ☐ Skin ☐ Manure ☐ Wealth ☐ Insurance ☐

Rank the importance of each purpose (1 = most important, 7 = least important):

5. Feeds and feeding Practices

1. Major feed sources: 1 = Natural pasture, 2 = Crop residue, 3 = Improved forage, 4 = Others (specify) _____

6. Housing Management 1. Do you house your sheep? Yes / No - Type of housing: 1 = Fenced enclosure, 2 = Open roof only, 3 = With family residence, 4. others _____

7. Reproductive History and Performance

7.1. Age at first lambing (months): _____

7.2. Lambing interval (months): _____

7.3.Average litter size: _____

7.4.Average age at puberty (months): _____