**Questionnaire**

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**Assessing the Sustainability of Different Livestock Production Systems of Small Farm Holders in Amibara District, Afar Region, Ethiopia.**

My objective is to characterize the different livestock production systems, identify sustainability indicators in Amibara District of the Afar region, Ethiopia, assess the sustainability of these systems in terms of economic, social and environmental aspects, based on these indicators, while identifying the major constraints and conditions that lead to unsustainable practices.

Region\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Household No.\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Zone\_\_\_\_\_\_\_\_\_\_\_\_\_\_District\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_village/location/PA/site\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. a) Household head name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Family size\_\_\_\_\_\_\_\_\_\_\_\_\_

1. a) Name of the respondent\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Sex\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) Age\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) Level of education of respondent

* + 1. Primary
    2. Secondary
    3. High school
    4. University graduate
    5. Postgraduate

e) Main occupation of head/ respondent? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Household size and labor

|  |  |  |  |
| --- | --- | --- | --- |
| Number of people in the household | | Sex | Labor size (to include relatives and hired workers) |
|  | | Male |  |
|  | | Female |  |
| Total |  |  |  |

1. Characteristics of the different Livestock farming systems

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Farming system | Land use (write option(s) that apply)  (communal, private improved pasture, private cropping, private natural pasture, crop residues, animal manufactured feed, tethering in land owned by others | Land tenure  (communal, private registered, private unregistered, rent, | Feed resources (open field pasture, farm grown pastures, feed introduced from outside the farm cereals, manufactured feed, cut and carry, tethering in communal land or land owned by others) | Livestock resources/ products (eggs, skins, hides, meat, cups, manure | Product use and livestock function  (ploughing, fertilizing, crossing, income, security, rituals, games, festivals, food) | Number of displacements/ year (Mobility) | Production  Technology (local or foreign/ adapted) | Area covered (ha) | Geographic location (masl) from CSA | No of people dependent on the farm for survival |
| Pastoralism |  |  |  |  |  |  |  |  |  |  |
| Agropastor-alism |  |  |  |  |  |  |  |  |  |  |
| Mixed SFH |  |  |  |  |  |  |  |  |  |  |
| Landless intensive |  |  |  |  |  |  |  |  |  |  |

1. The number of livestock species and number of animals per specie in the household over the past five years and order of importance (economic, social and environmental), Water consumption per animal per day.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Species** | **Period** | | | | | **Order of importance** | | | **Average water consumption per animal per day/liters** |
| **Environmental** | **Economic** | **Social** |  |
| 2007 | 2008 | 2009 | 2010 | 2011 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Cattle |  |  |  |  |  |  |  |  |  |
| Goat |  |  |  |  |  |  |  |  |  |
| Sheep |  |  |  |  |  |  |  |  |  |
| Horse |  |  |  |  |  |  |  |  |  |
| Donkey |  |  |  |  |  |  |  |  |  |
| Mule |  |  |  |  |  |  |  |  |  |
| Hinny |  |  |  |  |  |  |  |  |  |
| Camel |  |  |  |  |  |  |  |  |  |
| Pigs |  |  |  |  |  |  |  |  |  |
| Chicken |  |  |  |  |  |  |  |  |  |

1. What are your major objectives in production?
   1. Income generation a. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. Subsistence b. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. Prestige c.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. Security d.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   5. Insurance e.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   6. Cultural heritage f.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. If you could make a lot of money from livestock production at the expense of degrading your environment, would you do so or will you rather go for low productivity if it’s the only way to conserve the environment.
   1. Low productivity that conserves the environment
   2. High productivity for higher income that degrades the environment
3. Tick beside the type of crops you grow
   1. Cotton
   2. Maize
   3. Sorghum
   4. Wheat
   5. Barley
   6. Groundnuts
   7. Beans
   8. Fruit trees
   9. Yam
   10. Cassava
   11. Vegetables
4. Why do you grow these crops
   1. subsistence
   2. income
   3. Animal feed
   4. Other reason\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. What are your other sources of income?
   1. Civil service
   2. Trading
   3. Laborer
   4. Assistance from relatives
   5. Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. How long have you been a livestock farmer?

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1. Why did you choose to set your farm at this elevation (upland or lowland)?
   1. Possibility of mixed farming
   2. Adequate water supply
   3. Abundant pasture
   4. Availability of land
   5. Fertile soils
   6. Favorable temperature
2. Farm inputs/cost in ETB (local and imported) per year.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Farm inputs** | | | | |
| **Local** |  | **Imported** | | Both (Tick) |
| Labor |  | Labor |  |  |
| Feed |  | Feed |  |  |
| Capital |  | Capital |  |  |
| Training |  | Training |  |  |
| Organic Manure |  | Manure |  |  |
| Pesticides |  | Pesticides |  |  |
| Chemical fertilizers |  | Chemical fertilizers |  |  |
| Water |  | Water |  |  |
| Vaccines and drugs |  | Vaccines and drugs |  |  |
| Technology |  | Technology |  |  |
| Total cost (ETB) |  |  |  |  |

1. Farm Management
   1. Feed
      1. Crop residues as feed
      2. Enclosures for feed reserves
      3. Open field natural pasture
      4. Improved pasture
      5. Manufactured feed
      6. Cut and carry
      7. Ranching
      8. Animal manure to grow pasture
   2. Water supply
      1. Wells to store water
      2. Irrigation within the farm
      3. Reliance on rainfall only
      4. Pipe borne water
   3. Disease
      1. Vaccination
      2. Indigenous knowledge for disease control and treatment
      3. Regular medical examination
   4. Mobility
      1. Seasonal (twice) a year
      2. Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   5. Marketing
      1. Sell to middle men
      2. Sell directly to consumers
   6. Seasonal displacements (how many\_\_\_\_\_\_\_\_\_\_)
2. Agricultural training
   * 1. Formal professional
     2. Basic education
     3. Extension and community training
     4. Sensitization
3. Problems encountered on farm
   * 1. Water shortages and sporadic rainfall
     2. Feed shortages
     3. Poor soils
     4. Diseases
     5. Draught
     6. Tenure insecurity
     7. Lack of farm infrastructure (e.g for good irrigation)
     8. Conflict over communal pasture
     9. Exploitation from middle men if you sell to middle men
     10. Lack of farm to market roads
4. What will help your farm to be sustainable?
   * 1. Adequate water supply
     2. Improved pasture
     3. Gender equality in resource control
     4. Pesticide and fertilizer
     5. Government subsidies
     6. Agricultural training and extension
     7. Land reforms
     8. Constant market demand
5. Have you been able to continuously improve your productivity year in year out (Tick)
   1. Yes
   2. No
6. If no, why (Tick)
7. Environmental
   1. Sporadic rainfall and water shortages
   2. Draught
   3. Shortage of pasture
   4. Health impact from pesticides( diseases and epidemics)
   5. Degrading environment
   6. Limited grazing species and extinction
   7. Unfertile soils to grow pasture
8. Economic
9. Lack of income for investment
10. Lack of market (demand for farm products)
11. Labor scarcity
12. Lack of land and capital
13. Lack inputs (list them)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
14. Weak government policy
15. Social
16. Poor institutionalization
17. Gender discrimination over control of productive resources
18. Inequality in income opportunities
19. Tenure insecurity
20. Inequality in food distribution
21. If yes in (13) above what are the reasons
22. Environmental
    1. Adequate water supply
    2. Abundant pasture
    3. Successful vaccinations and disease control
    4. Biodiversity conservation
    5. Fertile soils
23. Economic
24. Lack of income for investment
25. Availability of market for farm products
26. Sufficient/cheap labor
27. Sufficient land and capital
28. Availability/affordability of inputs in-puts
29. Efficient government policy
30. Social
31. Good institutionalization
32. Gender equality
33. Equality in income opportunities
34. Tenure security
35. Equality in food distribution
36. Community self help
37. What are you doing to solve the problems in (13) above
    1. Microfinance
    2. Loans
    3. Planting trees
    4. Land registration
    5. Irrigation
    6. Currently undergoing agricultural training and extension
    7. Establishing community support groups
38. What kind of support do you have towards solving these problems from?
39. Government
    1. Seeds
    2. Finance
    3. Life animals
    4. Free education and training
    5. Grazing plants species to plant
    6. Irrigation infrastructure/water supply infrastructure
    7. Training on disease management
    8. Land registration
    9. Other inputs\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
40. NGOs
    1. Financial
    2. Education and training
    3. Seeds
    4. Life animals
    5. Other production resources (List them)
    6. Training on disease management
    7. Land registration
    8. Pesticides and fertilizers
    9. Irrigation infrastructure/water supply infrastructure

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1. Community Farming Groups and Associations
   1. Seeds
   2. Finance
   3. Life animals
   4. Free education and training
   5. Pesticides and fertilizers
   6. Grazing plants species to plant
   7. Irrigation infrastructure/water supply infrastructure
   8. Training on disease management
   9. Land registration
   10. Pesticides and fertilizers
2. What kind of support or intervention do you think can enable you to continuously improve your production such that the environment and social values are not destroyed?
   1. Irrigation canal
   2. Land registration Seeds
   3. Finance
   4. Life animals
   5. Free education and training
   6. Pesticides and fertilizers
   7. Grazing plants species to plant
   8. Irrigation infrastructure/water supply infrastructure
   9. Training on disease management
   10. Land registration
   11. Pesticides and fertilizers
   12. Guaranteed market demand
3. Why has your farm income been fluctuating over the past 5 years?
   1. Rainfall variability
   2. Improved and adequate Pasture
   3. Increase market demand for farm products
   4. No conflicts
   5. No drought
   6. Improved disease control
   7. Improved irrigation channels of water management
4. What general problems do you encounter in marketing?
   1. Post harvest losses
   2. Improper value adding
   3. Lack of farm to market roads
   4. Ban on some livestock products
   5. Overall decline in demand
5. Which farming system would you prefer if not the one you are engaged in?
   1. Pastoralism
   2. Agro pastoralism
   3. Mixed smallholder
   4. Landless intensive small scale

**Sustainability Indicators**

* 1. **Environmental indicators**

1. Measuring overgrazing and biodiversity conservation, water availability, pesticide impact

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fodder | | | | | | Water | | | Impact from pesticides use | | Biodiversity conservation | |
| **Amount of fodder available to the farmer per year (nF/kg)** | | **Amount of fodder consumed per animal specie per year (nFci/ kg)** | | | **Number of animals of each specie owned per last 12 months (nAi)** | **Rainfall in mm/year** | | **Water consumption/**  **animal/year** | **Amount of chemicals and pesticides used/year/**  **kg** | **Impacts (animal death,**  **disease spread, illness on**  **farmers, reducing soil**  **fertility, contamination**  **of water sources)** | **Biodiversity conservation** | |
| **No of grazing plant species over last 25years** | **No of species in 2011** |
|  | **Wet season** | **Dry season** |
|  | | Cattle |  |  |  | 2007 |  |  |  |  |  |  |
| Horse |  |  |  | 2008 |  |  |
| Goat |  |  |  | 2009 |  |  |
| Camel |  |  |  | 2010 |  |  |
| Donkey |  |  |  | 2011 |  |  |
| Mule |  |  |  |  |  |  |
| Hinny |  |  |  |  |  |  |
| Pigs |  |  |  |  |  |  |
| Sheep |  |  |  |  |  |  |
| Chicken |  |  |  |  |  |  |
| Total/kg | Total/kg | |  |  |  |  |  |  |

1. What improvements in water supply management over the past five years have increased water availability irrespective of rainfall data?
   1. Irrigation
   2. Construction of dams
   3. Digging wells
2. You probably face some environmental, social and economic problems individually, what is being done to solve these problems?
   1. Individual
3. Attending training seminars
4. Increasing working hours per year
5. Digging wells
6. Use of pesticides
7. Increase the use of fertilizers
   1. Community
8. Constructing irrigation channels
9. Membership in community self help groups sharing knowledge among members
10. Giving loans to farmers
11. Digging community wells
    1. National
12. Subventions to farmers
13. Compulsory agricultural extension and training
14. Land reforms
15. Farm infrastructure
16. Market subsidies
17. In your opinion, what are the basic inputs that you lack in adequate supply for your farm to be sustainable environmentally?
    1. Water
    2. Forage
    3. Pesticides
    4. Manure
    5. Fertilizers
    6. Land
    7. Seeds
    8. Labor
    9. Capital
18. Farm management decisions depend on inputs, land, labor, capital and training. What are the factors that will push you to engage in farm management practices which you think will be unsustainable in future
    1. Scarcity of land
    2. Scarcity of labor
    3. Lack of capital
    4. Lack of training
    5. Water shortages
    6. Poor soils
    7. Draught
    8. Disease spread
    9. Shortages of pasture(feed)
19. How many liters or kilograms of pesticides will not have a bad effect on your farm
    1. 0-20
    2. 20-40
    3. 40-60
    4. 60-80
    5. 80-100
20. How many kgs or litres of pesticides do you use per year?
    1. 0-20
    2. 20-40
    3. 40-60
    4. 60-80
    5. 80-100
21. How many Kg of fertilizers do you apply to improve your pasture?

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* 1. 0-50
  2. 50-100
  3. 100-150
  4. 150-200
  5. 200-250

1. What measures have you taken to ensure that the various species of plants grazed are conserved?
   1. Enclosures
   2. Controlled grazing
   3. Preserving seeds
   4. Buying manufactured imported feed
   5. Mobility to uninhabited grazing areas
2. List extinct grazing plant species over the past 25 years if you know any.
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Which year(s) did you have sufficient water supply for your farm and animals over the past 5 years?
   1. 2007
   2. 2008
   3. 2009
   4. 2010
   5. 2011
4. Do you practice cut and carry?
   1. Yes
   2. No
5. How does land tenure affect grazing during?
   1. Private certified land leads to efficient management of pasture
   2. Tragedy of commons over communal land
   3. Lease land leads to poor management of pasture
   4. Private uncertified land leads to efficient pasture management
6. How long does it take for your private grazing fields to be restocked with fodder after complete grazing?

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1. How long does it take for you to visit the completely grazed field again?

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1. What level of pesticides (kg) do you agree to be generally tolerable that beside the effects, it is still able to generate and environmental, social and economic balance?
   1. 0-20
   2. 20-40
   3. 40-60
   4. 60-80
   5. 80-100
2. In your opinion, what must be done to ensure adequate water supply for the animals all year round.

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* 1. **Social Indicators**

|  |  |  |
| --- | --- | --- |
| **Land tenure (% of farm land/ha)** | Total farm land |  |
| Leased |  |
| Private not titled |  |
| Private titled |  |
| Communal |  |
| **Gender Equality**  **(ratio of male:female)** | Marital status |  |
| Farm labor |  |
| Education and agricultural extension training |  |
| Control over productive resources |  |
| Representation in community cooperative |  |
| **Equality in income distribution** | ETB earned/pastoral household |  |
| ETB earned/ agro pastoral household |  |
| ETB earned/mixed small holder household |  |
| ETB earned/landless production household |  |
| **Equality in Food distribution** | No of meals consumed/day |  |
| Money spent of food purchase/day |  |

1. How has your tenure system changed over last 25 years?
2. Communal to private
3. Communal to private registered
4. Communal to lease
5. Landlord to tenant
6. Private certified to communal
7. Private certified to private unregistered
8. What are the conflicts associated with this change if any?
9. Destruction of crops by livestock
10. Armed conflicts over grazing land with neighboring tribes
11. Dispute among clan members
12. Confrontation with government officials
13. How much income do you get from your farm per year in ETB?
14. 0-3500
15. 3500-7000
16. 7000-10500
17. 10500-14000
18. 14000-17500
19. 17500-21000
20. 24500 and above
21. Who keeps and manages the farm income?
22. Husband
23. Wife
24. Son
25. Daughter
26. Farm income (ETB) spent on buying food?

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1. Cost (ETB) of farm produce consumed directly
2. 0-2000
3. 2000-4000
4. 4000-6000
5. 6000-8000
6. 8000-10000

**Economic Indicators**

1. Could you submit the market prices (ETB) for the different products you sell from your farm?
2. Meat/kg\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Milk/l\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Hides/kg\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Skins/kg\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Manure/kg\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Eggs/tray\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. Horns/cow\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Farm productivity** | No. of cattle and other livestock sold/year | | | |  |
| Kg of crops sold/year | | | |  |
| **Net income** | ETB earned/year (PQ-Cost) | | | |  |
| **Savings and investments** | ETB spent/year | | | |  |
| **Input self sufficiency** | Cost of local (generated within the farm or household) input in ETB | Labor | | |  |
| Other inputs |  | |  |
|  | |  |
|  | |  |
|  | |  |
| Cost of imported input in ETB | Labor | | |  |
| Other inputs | |  |  |
|  |  |
|  |  |
|  |  |

1. What is the labor cost per year if you had to employ someone locally to completely manage your farm?

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1. How much ETB do you spend per year earned from your farm over the last 5 years?
2. 2007\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 2008\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 2009\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. 2010\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. 2011\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. How much ETB do you add to your farm investments per year over the past 5 years?
8. 2007\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. 2008\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. 2009\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. 2010\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. 2011\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Thank you for your cooperation**